

501501 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER CALM-PT CLDY
 PHASE G MAP NL1403 SITE 0501 TIME TAKEN 11/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.642(47 38' 31") LONG 96.919(96 55' 8") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 2.00 DEPTH(M) 0.50 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:
 1-38 CLIMAX, N.W. N. DAKOTA 7.5' MAP SAMPLE TAKEN 50M UP FROM ROAD OVER 20M INTERVAL STARTING 25M ABOVE BARN;
 1-60 SOIL AND FERTILIZER;

501502 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER CALM-PT CLDY
 PHASE 2 MAP NL1403 SITE 0502 TIME TAKEN 11/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.598(47 35' 52") LONG 96.838(96 50' 16") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 0.50 DEPTH(M) 0.20 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR L-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:
 1-38 CLIMAX MINN-N. DAKOTA 7.5' MAP SAMPLE TAKEN 200M DOWN FROM ROAD OVER 20M INTERVAL STARTING BY FALLEN TREE;
 1-60 SOIL AND FERTILIZER;

501503 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE G MAP NL1403 SITE 0503 TIME TAKEN 11/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.600(47 36' 0") LONG 96.789(96 47' 20") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.40
 WATER: WIDTH(M) 0.50 DEPTH(M) 0.30 LEVEL HIGH
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 25

REMARKS:
 1-38 CLIMAX MINN-N DAKOTA 7.5' MAP SAMPLE TAKEN 30M SOUTH OF ROAD OVER 20M INTERVAL STARTING 20M DOWN FROM FOOT BRIDGE;
 1-60 SOIL AND FERTILIZER;

501504 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE G MAP NL1403 SITE 0504 TIME TAKEN 12/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.542(47 32' 31") LONG 96.755(96 45' 18") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 0.50 DEPTH(M) 0.30 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 CLIMAX, MINN-N. DAKOTA 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL STARTING AT FIRST TREE;
1-60 SOIL AND FERTILIZER;

501505 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0505 TIME TAKEN 13/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.494(47 29'38") LONG 96.921(96 55'15") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 05

REMARKS:

1-38 CALEDONIA N. DAKOTA 7.5' MAP SAMPLE TAKEN 30M FROM ROAD, OVER 20M INTERVAL NO LANDMARK;
1-60 SOIL AND FERTILIZER;

501506 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0506 TIME TAKEN 14/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.306(47 18'21") LONG 96.905(96 54'18") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QAL RESULTS REQ YES ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 05

REMARKS:

1-38 HALSTAD SW N. DAKOTA 7.5' MAP SAMPLE TAKEN 30M UP FROM TREES AT EDGE OF YARD OVER 20M INTERVAL;
1-60 SOIL AND FERTILIZER;
1-78 EUGENE PAULSRUD & HALSTAD, MINN. 56548;

501507 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0507 TIME TAKEN 14/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.280(47 16'48") LONG 96.832(96 49'55") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QAL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:
SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 20

REMARKS:

1-38 HALSTAD MINN-N. DAKOTA 7.5' MAP SAMPLE TAKEN 40M UP FROM TRACTOR ROAD CROSSING STREAM OVER 20M INTERVAL;
1-60 SOIL AND FERTILIZER;

501508 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0508 TIME TAKEN 14/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.270(47 16'12") LONG 96.789(96 47'20") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
WATER: WIDTH(M) 1.00 DEPTH(M) 0.50 LEVEL NORMAL
SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 HALSTAD MINN.-N. DAKOTA 7.5' MAP SAMPLE TAKEN 30M UP FROM HOUSE STARTING AT END OF POOL BY BIG TREE;
1-60 SOIL AND FERTILIZER;

501509 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0509 TIME TAKEN 15/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.175(47 10'30") LONG 96.689(96 41'20") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 FELTON NW MINN. 7.5' MAP SAMPLE TAKEN 25M UP FROM ROAD OVER 20M INTERVAL, NO LANDMARK;
1-60 SOIL AND FERTILIZER;

501510 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0510 TIME TAKEN 15/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.193(47 11'34") LONG 96.630(96 37'48") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 FELTON NW MINN. 7.5' MAP SAMPLE TAKEN 30M UPSTREAM FROM ROAD OVER 20M INTERVAL STARTING AT FIRST BEND;
1-60 SOIL AND FERTILIZER;

501511 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0511 TIME TAKEN 16/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.238(47 14'16") LONG 96.571(96 34'15") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
WATER: WIDTH(M) 1.00 DEPTH(M) 0.20 LEVEL POOLS
SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 BORUP MINN. 7.5' MAP SAMPLE TAKEN 30M FROM ROAD OVER 20M INTERVAL, NO LANDMARK;
1-60 SOIL AND FERTILIZER;

501512 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0512 TIME TAKEN 16/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.229(47 13'44") LONG 96.549(96 32'56") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 BORUP MINN 7.5' MAP SAMPLE TAKEN 25M UP FROM ROAD CROSSING OVER 20M INTERVAL NO LANDMARK;
1-60 SOIL AND FERTILIZER;

501513 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0513 TIME TAKEN 10/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.089 (47 5'20") LONG 96.562 (96 33'43") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 FELTON, MINN. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL STARTING AFTER TREES;
1-60 SOIL AND FERTILIZER;

501514 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0514 TIME TAKEN 10/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.644 (47 38'38") LONG 96.920 (96 55'12") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR L-OR-BN ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1330 DISSOLVED OXYGEN(PPM) 4.0
WATER TEMP(C) + 13.3 VISIBILITY(M) CLEAR PH 6.7 LO-ION PAPER
TOTAL ALKALINITY(PPM) 436 P ALKALINITY(PPM) 5 M ALKALINITY(PPM) 452
APPEARANCE CLEAR DISCHARGE(L/M) 30.00
PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION STEEL
METERS FROM HEAD 18 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 45 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 45 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 CLIMAX NW N. DAKOTA - MINN. 7.5 MAP SAMPLE TAKEN FROM FAUCET ON NORTH SIDE OF HOUSE. WELL 18M EAST OF HOUSE;
1-60 NEAR CROP FIELDS, SOME RUST IN PIPES;
1-78 ROD COOPER & BUXTON, N DAKOTA, 58218;

501515 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0515 TIME TAKEN 11/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.678 (47 40'40") LONG 96.897 (96 53'49") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QAL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	1790	DISSOLVED OXYGEN (PPM)	3.2
WATER TEMP (C)	+ 9.5	VISIBILITY (M)	CLEAR	PH 7.9	LO-ION PAPER
TOTAL ALKALINITY (PPM)	275	P ALKALINITY (PPM)	< 5	M ALKALINITY (PPM)	302
APPEARANCE	CLEAR	DISCHARGE (L/M)	10.00	SOURCE	PUBLICATION
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	NONE	PUMPING FREQUENCY	RARE
DEPTH TO PROD HORIZON (M)	53	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH (M)	53	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 CLIMAX NW N DAKOTA - MINN. 7.5' MAP SAMPLE TAKEN AT WELL HEAD UNDER WINDMILL 30M EAST OF HOUSE;
 1-60 WELL NEAR CROP FIELDS, SOME RUST IN PIPES;
 1-78 GENE SONDRÉAL & REYNOLDS, N. DAKOTA 58275;

501516 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0516 TIME TAKEN 12/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.7671 (47 40' 15") LONG 96.979 (96 58' 44") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	4360	DISSOLVED OXYGEN (PPM)	2.4
WATER TEMP (C)	+ 12.1	VISIBILITY (M)	CLEAR	PH 8.0	LO-ION PAPER
TOTAL ALKALINITY (PPM)	189	P ALKALINITY (PPM)	< 5	M ALKALINITY (PPM)	212
APPEARANCE	CLEAR	DISCHARGE (L/M)	5.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	HAND	CASING	STEEL	PIPE COMPOSITION	STEEL
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	NONE	PUMPING FREQUENCY	RARE
DEPTH TO PROD HORIZON (M)	36	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH (M)	36	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	USER		

REMARKS:

1-38 CLIMAX NW N. DAKOTA - MINN. 7.5' MAP SAMPLE TAKEN FROM HAND PUMP AT WELL 30M WEST OF HOUSE;
 1-60 NEAR CROP FIELDS, RUST;
 1-78 EVELYN BOTTEN & REYNOLDS, N. D. 58275;

501517 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 27.0 WEATHER CALM-PT CLDY
 PHASE 2 MAP NL1403 SITE 0517 TIME TAKEN 14/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.586 (47 35' 9") LONG 96.961 (96 57' 39") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	4270	DISSOLVED OXYGEN (PPM)	3.3
WATER TEMP (C)	+ 11.5	VISIBILITY (M)	CLEAR	PH 7.6	LO-ION PAPER
TOTAL ALKALINITY (PPM)	263	P ALKALINITY (PPM)	< 5	M ALKALINITY (PPM)	284
APPEARANCE	CLEAR	DISCHARGE (L/M)	10.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING GALVANIZED	PIPE COMPOSITION GALVANIZED
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	NONE	USE STOCK	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M)	60	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	60	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 CLIMAX S.W. N. DAKOTA - MINN. 7.5' MAP SAMPLE TAKEN AT PIPE 1M FROM HEAD WELL LOCATED AT S.W. CORNER OF BARN;
 1-60 NEAR CROP FIELDS;
 1-78 ERNEST HETTERVIG & BUXTON, N. DAKOTA 58218;

501518	TYPE WELL WATER	REPLICATE	SAMPLER TAN	AIR TEMP(C) + 26.0	WEATHER LT WIND-PT CLDY
	PHASE 2 MAP NL1403	SITE 0518	TIME TAKEN 14/25/07/79	RELIEF LOW	VEGETATION GRASS-MODERATE
	LOCATION: LAT 47.539(47 32'20")	LONG 96.941(96 56'27")		CONTAMINANTS AGRICULTURA	
	SURFACE GEOL UNIT QTL	RESULTS REQ YES	RELEASED 801015	SAMPLE: COLOR	-CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY(MICROMHOS/CM)	2250	DISSOLVED OXYGEN(PPM)	3.9
WATER TEMP(C) + 9.9	VISIBILITY(M)	CLEAR	PH 7.7	LO-ION PAPER
TOTAL ALKALINITY(PPM) 265	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	278
APPEARANCE CLEAR	DISCHARGE(L/M)	30.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON QPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING STEEL	PIPE COMPOSITION COPPER
METERS FROM HEAD	5	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSE/STOCK	PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M)	52	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	52	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 CLIMAX SW N. DAKOTA - MINN. 7.5' MAP SAMPLE TAKEN FROM FAUCET OUTSIDE HEDGE 6M NORTH OF HOUSE WELL LOCATED 5M WEST OF FAUCET;
 1-60 SUBMERSIBLE PUMP, NEAR CROP FIELDS WELL 2 1/2 YEARS OLD;
 1-78 LLOYD ABENTROTH & CUMMINGS, N. D.;

501519	TYPE WELL WATER	REPLICATE	SAMPLER TAN	AIR TEMP(C) + 25.0	WEATHER LT WIND-PT CLDY
	PHASE 2 MAP NL1403	SITE 0519	TIME TAKEN 15/25/07/79	RELIEF LOW	VEGETATION GRASS-MODERATE
	LOCATION: LAT 47.527(47 31'37")	LONG 96.992(96 59'31")		CONTAMINANTS AGRICULTURA	
	SURFACE GEOL UNIT QTL	RESULTS REQ NO	RELEASED 801015	SAMPLE: COLOR	-CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY(MICROMHOS/CM)	3860	DISSOLVED OXYGEN(PPM)	2.9
WATER TEMP(C) + 9.0	VISIBILITY(M)	CLEAR	PH 8.6	LO-ION PAPER
TOTAL ALKALINITY(PPM) 216	P ALKALINITY(PPM)	38	M ALKALINITY(PPM)	226
APPEARANCE CLEAR	DISCHARGE(L/M)	10.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON QPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING STEEL	PIPE COMPOSITION STEEL
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE IRRIGATION	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M)	54	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	54	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 CLIMAX S.W. N. DAKOTA - MINN. 7.5' MAP RODGER KNUDSEN, CUMMINGS, N.D. SAMPLE TAKEN FROM PUMP AT WELL HEAD BETWEEN BARNS
25M EAST OF HOUSES;
1-60 NEAR CROP FIELDS RUST AND DIRT IN PIPES EXCESS GREASE ON PUMP;

501520 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-OVERCAST
PHASE 2 MAP NL1403 SITE 0520 TIME TAKEN 16/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.484 (47 29' 2") LONG 96.932 (96 55' 55") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - - - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3130 DISSOLVED OXYGEN(PPM) 2.4
WATER TEMP(C) + 14.7 VISIBILITY(M) CLEAR PH 7.8 LO-ION PAPER
TOTAL ALKALINITY(PPM) 278 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 286
APPEARANCE CLEAR DISCHARGE(L/M) 30.00
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING PLASTIC PIPE COMPOSITION PLASTIC
METERS FROM HEAD 30 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 72 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 72 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION USER

REMARKS:

1-38 CALEDONIA, N. DAKOTA 7.5' MAP SAMPLE TAKEN FROM FAUCET ON NORTH SIDE OF HOUSE WELL LOCATED 5M SOUTH OF HOUSE;
1-60 SUBMERSIBLE PUMP, NEAR CROP FIELDS;
1-78 ROGER WRIGHT & CUMMINGS, N.D. 58223;

501521 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0521 TIME TAKEN 17/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.434 (47 26' 2") LONG 96.928 (96 55' 40") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - - - CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2320 DISSOLVED OXYGEN(PPM) 3.6
WATER TEMP(C) + 10.6 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
TOTAL ALKALINITY(PPM) 310 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 284
APPEARANCE CLEAR DISCHARGE(L/M) 30.00
PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION PLASTIC
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 50 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 50 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 CALEDONIA N. DAKOTA 7.5' MAP SAMPLE TAKEN FROM FAUCET AT HEAD 5M NORTH OF HOUSE;
1-60 NEAR CROP FIELDS;
1-78 BERNARD BOEDDERER & HILLSBORO, N.D.;

501523 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0523 TIME TAKEN 17/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.381(47 22'51") LONG 96.953(96 57'10") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 7990 DISSOLVED OXYGEN(PPM) 3.5
 WATER TEMP(C) + 17.8 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 368 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 375
 APPEARANCE CLEAR DISCHARGE(L/M) 40.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 48 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 48 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 CALEDONIA N. DAKOTA 7.5' MAP SAMPLE TAKEN FROM FAUCET AT WELL HEAD 10M EAST OF HOUSE;
 1-60 WELL NEAR CROP FIELDS;
 1-78 DON HETTERVIG & HILLSBORO, N.D.;

501524 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0524 TIME TAKEN 18/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.383(47 22'58") LONG 96.852(96 51' 7") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT DAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2010 DISSOLVED OXYGEN(PPM) 1.7
 WATER TEMP(C) + 15.7 VISIBILITY(M) CLEAR PH 7.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 374 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 386
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 100 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 61 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 61 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 SHELLY MINN - N. DAKOTA 7.5' MAP SAMPLE TAKEN FROM SINK INSIDE HOUSE WELL IS 100M EAST BEHIND BARNS;
 1-60 NEAR CROP FIELDS;
 1-78 CHRIS HETTERVIG & HALSTAD, MINN;

501525 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0525 TIME TAKEN 19/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.326(47 19'33") LONG 96.840(96 50'24") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT DAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1660 DISSOLVED OXYGEN(PPM) 0.2

WATER TEMP(C) + 7.5 VISIBILITY(M) CLEAR PH 7.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 360 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 372
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 57 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 57 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HALSTAD, MINN - N. DAKOTA 7.5' MAP SAMPLE TAKEN FROM FAUCET AT WELL HEAD 30M NORTH OF HOUSE;
 1-60 RUST, WELL NEAR CROP FIELDS;
 1-78 RANDY PAULSRUD & HALSTAD, MINN.;

501526 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0526 TIME TAKEN 19/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.332(47 19'55") LONG 96.923(96 55'22") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR L-OR-BN ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2640 DISSOLVED OXYGEN(PPM) 4.7
 WATER TEMP(C) + 17.9 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 511 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 524
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 125 WITH RESPECT TO PRESSURE TANK AFTER USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 60 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 60 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION USER

REMARKS:

1-38 HALSTAD S.W. N. DAKOTA 7.5' MAP SAMPLE TAKEN FROM HOSE AT GARAGE 125M NORTH OF WELL ON SOUTH SIDE OF HOUSE;
 1-60 SAMPLE TAKEN FROM HOSE, NEAR CROP FIELDS;
 1-78 LINDGREN FARMS & BOX 542 & HILLSBORO, N.D. 58045;

501527 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0527 TIME TAKEN 20/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.342(47 20'31") LONG 96.984(96 59' 2") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3280 DISSOLVED OXYGEN(PPM) 3.0
 WATER TEMP(C) + 9.1 VISIBILITY(M) CLEAR PH 9.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 338 P ALKALINITY(PPM) 134 M ALKALINITY(PPM) 342
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL

7-78 CLIFFORD LUSSEY & GRANDON N.D.
3-21 COPPER AND PLASTIC;

501530 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER CALM-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0530 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.253 (47 15' 10") LONG 97.518 (97 31' 4") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR D-BN-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 HOPE SE N. DAK. 7.5' MAP SAMPLE TAKEN 25M UP FROM ROAD OVER 20M INTERVAL NO LANDMARK;
 1-60 SOIL AND FERTILIZER;

501531 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0531 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.294 (47 17' 38") LONG 97.640 (97 38' 24") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR D-BN-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 HOPE N. DAK. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL NO LANDMARK;
 1-60 SOIL AND FERTILIZER;

501532 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0532 TIME TAKEN 15/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.314 (47 18' 50") LONG 97.737 (97 44' 13") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR D-BN-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 HOPE N. DAK. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL STARTING BY SMALL RISE WITH BUSH ON TOP;
 1-60 SOIL AND FERTILIZER SMALL GRAVEL PIT ABOUT 80M FROM SITE ON SOUTH SIDE OF ROAD;

501533 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0533 TIME TAKEN 16/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.338 (47 20' 16") LONG 97.667 (97 40' 1") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 HOPE N. DAK. 7.5' MAP SAMPLE TAKEN 25M FROM ROAD OVER 20M INTERVAL, NO LANDMARK;
1-60 SOIL AND FERTILIZER;

501534 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0534 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.366 (47 21 57") LONG 97.688 (97 41 16") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR L-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 HOPE N. DAKOTA 7.5' MAP SAMPLE TAKEN 25M UP FROM ROAD OVER 20M INTERVAL NO LANDMARK;
1-60 SOIL AND FERTILIZER;

501535 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0535 TIME TAKEN 16/25/07/79 RELIEF LOW VEGETATION MOSS-MODERATE
LOCATION: LAT 47.395 (47 23 42") LONG 97.667 (97 40 11") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SAND SAMPLE: COLOR L-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 SHERBROOKE N. DAK. 7.5' MAP SAMPLE TAKEN OVER 25M INTERVAL 100M UP FROM ROAD BY GROVE OF SMALL TREES;
1-60 SOIL AND FERTILIZER;

501536 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
PHASE G MAP NL1403 SITE 0536 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.440 (47 26 24") LONG 97.626 (97 37 33") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.20
SURFACE GEOL UNIT QPL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 0.40 LEVEL NORMAL
BED MATERIAL SAND SAMPLE: COLOR L-BN-GY ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 SHERBROOKE N. DAK. 7.5' MAP SAMPLE TAKEN 60M UP FROM ROAD OVER 20M INTERVAL STARTING AT SMALL POOL;
1-60 SOIL AND FERTILIZER;

501537 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0537 TIME TAKEN 17/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.458 (47 27 28") LONG 97.645 (97 38 42") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY

SURFACE GEOL UNIT DPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR C-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 SHERBROOKE N. DAK. 7.5' MAP SAMPLE TAKEN 35M UP FROM ROAD OVER 20M INTERVAL STARTING AT FIRST CURVE; 1-60 SOIL AND FERTILIZER;

501538 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY PHASE 2 MAP NL1403 SITE 0538 TIME TAKEN 17/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE LOCATION: LAT 47.471(47 28' 15") LONG 97.661(97 39' 39") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT DPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 SHERBROOKE N. DAK. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL NO LANDMARK; 1-60 SOIL AND FERTILIZER;

501539 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCST PHASE 2 MAP NL1403 SITE 0539 TIME TAKEN 17/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE LOCATION: LAT 47.467(47 28' 1") LONG 97.794(97 47' 38") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE

SURFACE GEOL UNIT DPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-GY LEVEL NORMAL ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 BLABON N. DAK. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL STARTING AT BROKEN TREE; 1-60 SOIL AND FERTILIZER;

501540 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCST PHASE 2 MAP NL1403 SITE 0540 TIME TAKEN 18/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE LOCATION: LAT 47.418(47 25' 4") LONG 97.752(97 45' 7") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT DPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR R-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 BLABON N. DAK. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL STARTING AT SMALL TREE; 1-60 SOIL AND FERTILIZER;

501541 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCST

PHASE 2 MAP NL 1403 SITE 0541 TIME TAKEN 18/26/07/79
LOCATION: LAT 47.399 (47 23' 56") LONG 97.815 (97 48' 54")

RELIEF LOW VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015

WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 BLADON N.D. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL STARTING AT FIRST BEND;
1-60 SOIL AND FERTILIZER;

501542 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN
PHASE 2 MAP NL 1403 SITE 0542 TIME TAKEN 18/26/07/79
LOCATION: LAT 47.341 (47 20' 27") LONG 97.834 (97 50' 2")

AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCST
RELIEF LOW VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015

WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 LUVERNE SE N. DAK. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL STARTING AT FENCE CORNER ON EAST SIDE;
1-60 SOIL AND FERTILIZER;

501543 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN
PHASE 2 MAP NL 1403 SITE 0543 TIME TAKEN 19/26/07/79
LOCATION: LAT 47.350 (47 21' 0") LONG 97.974 (97 58' 26")

AIR TEMP(C) + 24.0 WEATHER LT WIND-OVERCST
RELIEF GENTLE VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.20

SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015

WATER: WIDTH(M) 0.30 DEPTH(M) 0.20 LEVEL NORMAL
BED MATERIAL SILT SAMPLE: COLOR M-BN-GY ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 LUVERNE N. DAK. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL, NO LANDMARK;
1-60 SOIL AND FERTILIZER;

501544 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN
PHASE 2 MAP NL 1403 SITE 0544 TIME TAKEN 19/26/07/79
LOCATION: LAT 47.370 (47 22' 12") LONG 97.997 (97 59' 49")

AIR TEMP(C) + 24.0 WEATHER LT WIND-OVERCST
RELIEF GENTLE VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015

WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SAND SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 LUVERNE N. DAK. 7.5' MAP SAMPLE TAKEN 50M UP FROM POOL OVER 20M INTERVAL STARTING AT TREE ON SOUTH BANK;
1-60 SOIL AND FERTILIZER;

501545 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 24.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0545 TIME TAKEN 11/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.442(47 26'31") LONG 97.776(97 46'33") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 730 DISSOLVED OXYGEN(PPM) 7.5
 WATER TEMP(C) + 12.3 VISIBILITY(M) CLEAR PH 6.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 521 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 548
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 35 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION USER

REMARKS:

1-38 BLABON N. DAK. 7.5' MAP SAMPLE TAKEN AT FAUCET IN BARN NORTH OF HOUSE WELL AT N.W. CORNER OF BARN;
 1-60 SUBHERSTIBLE PUMP, NEAR CROP FIELDS;
 1-78 H.M. VERWEST & FINLEY, N.D.;

501546 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0546 TIME TAKEN 11/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.441(47 26'27") LONG 97.826(97 49'33") CONTAMINANTS SEWAGE
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 930 DISSOLVED OXYGEN(PPM) 5.9
 WATER TEMP(C) + 11.9 VISIBILITY(M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 384 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 410
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 8 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 8 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 BLABON 7.5' MAP, SAMPLE FROM PIPE INTO STOCK TANK BY RED SHED, WELL LOCATED 7M. WEST OF SHED UNDER PUMP;
 1-60 BARNYARD;
 1-78 MELVIN SAMPSON & FINLEY, N.D.;
 3-20 CONCRETE;

501547 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 21.0 WEATHER LT WIND-QUERCST
 PHASE 2 MAP NL1403 SITE 0547 TIME TAKEN 12/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.442(47 26'31") LONG 97.858(97 51'28") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR D-GY-BK ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP(C) + 7.6
 TOTAL ALKALINITY (PPM) 872
 APPEARANCE MURKY
 PRODUCING HORIZON OPG

CONDUCTIVITY (MICROMHOS/CM) 7540
 VISIBILITY (M) 0.00
 P ALKALINITY (PPM) <5
 DISCHARGE (L/M) 15.00
 CONFIDENCE PROBABLE

DISSOLVED OXYGEN (PPM) 3.2
 PH 7.2 LO-ION PAPER
 M ALKALINITY (PPM) 809
 SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DUG
 METERS FROM HEAD 0
 DEPTH TO PROD HORIZON (M) 6
 WELL DEPTH (M) 6

POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK NONE
 CONFIDENCE OF PRODUCING DEPTH POSSIBLE
 CONFIDENCE OF WELL DEPTH POSSIBLE

CASING OTHER
 USE NONE
 SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

PIPE COMPOSITION STEEL
 PUMPING FREQUENCY RARE

REMARKS:
 1-38 BLABON 7.5' MAP, SAMPLE FROM OLD RUSTY PUMP ON TOP OF WELL, 3M. S. OF GREEN AND WHITE SHED;
 1-60 WHEAT 50H.;
 1-77 SMELLS LIKE SOMETHING DEAD;
 1-78 LEROY OLSON & FINLEY, N.D. 58230;
 3-20 WOOD;

501548 TYPE WELL WATER REPLICATE SAMPLER TAN
 PHASE 2 MAP NL 1403 SITE 0548 TIME TAKEN 12/27/07/79
 LOCATION: LAT 47.488 (47 29' 16") LONG 97.942 (97 56' 31")
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 26.0 WEATHER LT WIND-OVERCAST
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA SAMPLE: COLOR - FCL - ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE
 WATER TEMP (C) + 8.1
 TOTAL ALKALINITY (PPM) 350
 APPEARANCE CLEAR
 PRODUCING HORIZON OPG

CONDUCTIVITY (MICROMHOS/CM) 570
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) <5
 DISCHARGE (L/M) 30.00
 CONFIDENCE PROBABLE

DISSOLVED OXYGEN (PPM) 4.6
 PH 7.4 LO-ION PAPER
 M ALKALINITY (PPM) 350
 SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DUG
 METERS FROM HEAD 5
 DEPTH TO PROD HORIZON (M) 5
 WELL DEPTH (M) 17

POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK AFTER
 CONFIDENCE OF PRODUCING DEPTH POSSIBLE
 CONFIDENCE OF WELL DEPTH POSSIBLE

CASING OTHER
 USE HOUSE/STOCK
 SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 SOURCE OF DEPTH INFORMATION USER

PIPE COMPOSITION COPPER
 PUMPING FREQUENCY CONSTANT

REMARKS:
 1-38 LUVERNE N.W. N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET ON WEST SIDE OF HOUSE. WELL 1M FROM N.W. CORNER OF HOUSE;
 1-60 CROP FIELDS;
 1-78 SIDNEY HARVEY & FINLEY, N.D.;
 3-20 CONCRETE OR WOOD;

501549 TYPE STREAM SEDIMENT REPLICATE SAMPLER TAN
 PHASE 2 MAP NL 1403 SITE 0549 TIME TAKEN 13/27/07/79
 LOCATION: LAT 47.458 (47 27' 28") LONG 97.999 (97 59' 56")

AIR TEMP (C) + 25.0 WEATHER LT WIND-QUERCST
 RELIEF GENTLE VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC) 0.10

WATER: WIDTH (M) 1.00 DEPTH (M) 0.40 LEVEL NORMAL
 BED MATERIAL SAND SAMPLE: COLOR L-BN-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET
 SAMPLE TREATMENT NONE
 NUMBER OF GRABS 7
 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 LUVERNE N.W. N. DAK. 7.5' MAP SAMPLE TAKEN 7.74 KM UP FROM ROAD OVER 30M INTERVAL STARTING EVEN WITH HILL TO NORTH;
1-60 SOIL AND FERTILIZER;

501550 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCAST
PHASE 2 MAP NL1403 SITE 0550 TIME TAKEN 13/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.443 (47 26' 34") LONG 97.954 (97 57' 14") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 540 DISSOLVED OXYGEN (PPM) 7.1
WATER TEMP (C) + 9.9 VISIBILITY (M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY (PPM) 246 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 256
APPEARANCE CLEAR DISCHARGE (L/M) 30.00
PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON (M) 5 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 5 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 LUVERNE N.W. N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET ON NORTH SIDE OF HOUSE WELL 2M SOUTH IN BASEMENT;
1-60 NEAR CROP FIELDS;
1-78 ERLING LUNDE & FINLEY, N.D.;

501551 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 22.0 WEATHER -OVERCAST
PHASE 2 MAP NL1403 SITE 0551 TIME TAKEN 14/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.400 (47 24' 0") LONG 97.965 (97 57' 54") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 870 DISSOLVED OXYGEN (PPM) 6.2
WATER TEMP (C) + 10.0 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
TOTAL ALKALINITY (PPM) 344 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 338
APPEARANCE CLEAR DISCHARGE (L/M) 35.00
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD 10 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK/IRRIG. PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 4 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 4 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LUVERNE NW 7.5' MAP, SAMPLE FROM FAUCET ON SE SIDE OF BARN, WELL 10M. E. OF BARN-BURIED;
1-60 FIELDS PLANTED;
1-78 LLOYD LAH & FINLEY, N.D. ;
3-20 TILE;

501552 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 21.0 WEATHER LT WIND-RAINY

PHASE 2 MAP NL 1403 SITE 0552 TIME TAKEN 14/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.398 (47 23' 52") LONG 97.913 (97 54' 46") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 750 DISSOLVED OXYGEN (PPM) 3.9
 WATER TEMP (C) + 4.5 VISIBILITY (M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 306 P ALKALINITY (PPH) <5 M ALKALINITY (PPH) 310
 APPEARANCE CLEAR DISCHARGE (L/M) 35.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING PLASTIC PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 4 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK/IRRIG. PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 25 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 25 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 LUVERNE NW N. DAK. 7.5' MAP SAMPLE TAKEN FROM HYDRANT NEAR WELL IN DUCK YARD NORTH OF HOUSE;
 1-60 SUBMERSIBLE PUMP, NEAR CROP FIELDS;
 1-78 WARREN PETERSON & FINLEY, N.D. 58230;

501553 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 21.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL 1403 SITE 0553 TIME TAKEN 15/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.385 (47 23' 6") LONG 97.774 (97 46' 26") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR L-OR-BN ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2970 DISSOLVED OXYGEN (PPH) 4.7
 WATER TEMP (C) + 8.8 VISIBILITY (M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 400 P ALKALINITY (PPH) <5 M ALKALINITY (PPH) 377
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 15 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 15 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION USER

REMARKS:
 1-38 BLABON N. DAK. 7.5' MAP SAMPLE TAKEN AT WELL HEAD UNDER WINDMILL AT NORTH END OF BARN;
 1-60 SUBMERSIBLE PUMP, NEAR CROP FIELDS;
 1-78 EVERETT BURCHILL & HOPE, N.D. ;
 3-20 WOOD;

501554 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 22.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL 1403 SITE 0554 TIME TAKEN 15/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.340 (47 20' 24") LONG 97.764 (97 45' 50") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1680 DISSOLVED OXYGEN (PPH) 6.4

WATER TEMP(C) + 8.0 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 288 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 304
 APPEARANCE CLEAR DISCHARGE(L/M) 40.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE IRRIGATION PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 18 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 18 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LUVERNE, S.E. N. DAK. 7.5' MAP SAMPLE TAKEN AT WELL HEAD IN PUMP HOUSE 25M EAST OF HOUSE;
 1-60 SAMPLED FROM RUBBER HOSE, NEAR CROP FIELDS;
 1-78 JOE SEHARD & HOPE, N.D.;

501555 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0555 TIME TAKEN 16/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.327(47 19'37") LONG 97.844(97 50'38") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3250 DISSOLVED OXYGEN(PPM) 2.5
 WATER TEMP(C) + 17.4 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 496 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 490
 APPEARANCE CLEAR DISCHARGE(L/M) 25.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 70 WITH RESPECT TO PRESSURE TANK AFTER USE IRRIGATION PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 9 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LUVERNE S.E. N. DAK. 7.5' MAP SAMPLE TAKEN AT KITCHEN SINK, WELL IS 70M NORTH OF HOUSE;
 1-60 NEAR CROP FIELDS;
 1-78 KENNETH IHRY & HOPE, N.D. 58046;
 3-20 CONCRETE AND BRICK;

501556 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 23.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0556 TIME TAKEN 17/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.327(47 19'37") LONG 97.844(97 53' 2") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2580 DISSOLVED OXYGEN(PPM) 2.8
 WATER TEMP(C) + 21.4 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 442 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 464
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 5 WITH RESPECT TO PRESSURE TANK AFTER USE IRRIGATION PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 12 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 46 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LUVERNE N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET ON QUANSET NEAREST TO HOUSE WELL 75 SM SOUTH OF QUANSET;
 1-60 NEAR BARLEY FIELDS;
 1-78 HARVEY JOHNSON & HOPE, N. DAKOTA;
 3-20 WOOD;

501557 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 21.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0557 TIME TAKEN 11/27/07/79 RELIEF GENTLE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.345 (47 20' 42") LONG 97.964 (97 57' 50") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1130 DISSOLVED OXYGEN(PPM) 3.3
 WATER TEMP(C) + 8.9 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 374 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 388
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE IRRIGATION PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 15 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 15 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LUVERNE N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET 2M EAST OF WELL WHICH IS 80M NORTH OF HOUSE;
 1-60 SUBMERSIBLE PUMP, NEAR CROP FIELDS;
 1-78 MR. HARVEY KROER & LUVERNE, N.D.;
 3-20 CONCRETE;
 3-21 PLASTIC AND COPPER;

501558 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 29.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0558 TIME TAKEN 12/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.302 (47 18' 7") LONG 97.896 (97 53' 45") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 380 DISSOLVED OXYGEN(PPM) 3.3
 WATER TEMP(C) + 11.0 VISIBILITY(M) CLEAR PH 6.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 358 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 365
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 120 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 19 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 19 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LUVERNE N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET 2M EAST OF WELL WHICH IS 80 M NORTH OF HOUSE;
 1-60 SUBMERSIBLE PUMP, NEAR CROP FIELDS;
 1-78 MR. HARVEY KROER & LUVERNE ND 58086;
 3-20 CONCRETE;
 3-21 PLASTIC AND COPPER;

501559 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0559 TIME TAKEN 13/28/0779 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.288 (47 17' 16") LONG 97.771 (97 46' 15") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2040 DISSOLVED OXYGEN(PPM) 8.3
 WATER TEMP(C) + 17.7 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 360 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 354
 APPEARANCE CLEAR DISCHARGE(L/H) 5.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE IRRIGATION PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OTHER
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LUVERNE SE N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET AT WELL HEAD 30M WEST OF HOUSE BY SMALL SHED;
 1-60 NEAR WHEAT FIELDS;
 1-78 LESTER ZERFACE & HOPE, N.D.;
 3-20 CONCRETE;

501560 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0560 TIME TAKEN 13/28/0779 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.288 (47 17' 16") LONG 97.699 (97 41' 56") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1420 DISSOLVED OXYGEN(PPM) 3.8
 WATER TEMP(C) + 16.6 VISIBILITY(M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 344 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 358
 APPEARANCE CLEAR DISCHARGE(L/H) 10.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION COPPER
 METERS FROM HEAD 4 WITH RESPECT TO PRESSURE TANK AFTER USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HOPE, N. DAK. 7.5' MAP SAMPLE TAKEN FROM TAP IN KITCHEN WELL DIRECTLY BELOW IN BASEMENT;
 1-60 NEAR CROP FIELDS, POSSIBLE RUST IN PIPES;
 1-78 EARL RUGG FARM & HOPE, N. DAK. 58046;

3-21 AND RUBBER;

501561 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0561 TIME TAKEN 14/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.293 (47 17' 34") LONG 97.610 (97 36' 36") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2310 DISSOLVED OXYGEN (PPM) 6.7
 WATER TEMP(C) + 11.5 VISIBILITY (M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 545 P ALKALINITY (PPM) 45 M ALKALINITY (PPM) 540
 APPEARANCE CLEAR DISCHARGE (L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION OTHER
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE IRRIGATION PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON (M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HOPE SE N. DAK. 7.5' MAP SAMPLE TAKEN AT WELL HEAD IN SMALL HOUSE 40M SOUTH OF HOUSE;
 1-60 SAMPLED FROM RUBBER HOSE, NEAR CROP FIELDS;
 1-78 MONS STORDAHL & HOPE, N.D.;
 3-21 RUBBER;

501562 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0562 TIME TAKEN 15/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.295 (47 17' 42") LONG 97.554 (97 33' 14") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 450 DISSOLVED OXYGEN (PPM) 2.3
 WATER TEMP(C) + 16.6 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 307 P ALKALINITY (PPM) 45 M ALKALINITY (PPM) 312
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 33 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 33 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HOPE SE N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET ON WEST SIDE OF HOUSE WELL 3M WEST;
 1-60 SAMPLED FROM RUBBER HOSE NEAR BARLEY AND SUNFLOWER FIELDS;
 1-78 GJLMORE JONDAHL & HOPE, N.D. 58046;

501563 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0563 TIME TAKEN 15/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE

LOCATION: LAT 47.347 (47 20' 27") LONG 97.562 (97 33' 43")
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
WATER TEMP(C) + 13.6
TOTAL ALKALINITY (PPH) 487
APPEARANCE CLEAR
PRODUCING HORIZON OPG
CONDUCTIVITY (MICROMHOS/CM) 4560
VISIBILITY (M) CLEAR
P ALKALINITY (PPH) 75
DISCHARGE (L/M) 30.00
DISSOLVED OXYGEN (PPH) 5.4
PH 7.1 LO-ION PAPER
M ALKALINITY (PPH) 492
CONFIDENCE POSSIBLE
SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG
METERS FROM HEAD 50
DEPTH TO PROD HORIZON (M) 8
WELL DEPTH (M) 8
POWER CLASSIFICATION ELECTRIC
WITH RESPECT TO PRESSURE TANK AFTER
CONFIDENCE OF PRODUCING DEPTH POSSIBLE
CONFIDENCE OF WELL DEPTH PROBABLE
CASING OTHER
USE IRRIGATION
SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
SOURCE OF DEPTH INFORMATION OWNER
PIPE COMPOSITION COPPER
PUMPING FREQUENCY INFREQUENT

REMARKS:

1-38 HOPE SE N. DAK. 7.5' MAP SAMPLE TAKEN AT FAUCET BY SHED 50M EAST OF HOUSE, WELL IN EAST OF HOUSE;
1-60 NEAR CROP FIELDS;
1-78 GORDON VADNIE & CLIFFORD, N.D. 58016;
3-20 WOOD;

501564 TYPE WELL WATER REPLICATE SAMPLER TAN
PHASE 2 MAP NL1403 SITE 0564 TIME TAKEN 16/28/07/79
LOCATION: LAT 47.339 (47 20' 20") LONG 97.618 (97 37' 4")
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 30.0 WEATHER LT WIND-PT CLDY
RELIEF LOW VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
WATER TEMP(C) + 13.5
TOTAL ALKALINITY (PPH) 386
APPEARANCE CLEAR
PRODUCING HORIZON OPG
CONDUCTIVITY (MICROMHOS/CM) 830
VISIBILITY (M) CLEAR
P ALKALINITY (PPH) 75
DISCHARGE (L/M) 30.00
DISSOLVED OXYGEN (PPH) 2.4
PH 7.3 LO-ION PAPER
M ALKALINITY (PPH) 400
CONFIDENCE POSSIBLE
SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG
METERS FROM HEAD 1
DEPTH TO PROD HORIZON (M) 7
WELL DEPTH (M) 7
POWER CLASSIFICATION ELECTRIC
WITH RESPECT TO PRESSURE TANK AFTER
CONFIDENCE OF PRODUCING DEPTH POSSIBLE
CONFIDENCE OF WELL DEPTH PROBABLE
CASING STEEL
USE STOCK/IRRIG.
SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
SOURCE OF DEPTH INFORMATION OWNER
PIPE COMPOSITION STEEL
PUMPING FREQUENCY FREQUENT

REMARKS:

1-38 HOPE SE N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET OVER TANK IN FROM WELL HEAD BY ELEVATORS 80M EAST OF HOUSE;
1-60 NEAR CROP FIELDS;
1-78 QUENTIN BRENDENMUHL & HOPE, N.D.;

501565 TYPE WELL WATER REPLICATE SAMPLER TAN
PHASE 2 MAP NL1403 SITE 0565 TIME TAKEN 16/28/07/79
LOCATION: LAT 47.340 (47 20' 24") LONG 97.685 (97 41' 6")
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 30.0 WEATHER LT WIND-PT CLDY
RELIEF LOW VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
WATER TEMP(C) + 16.8
CONDUCTIVITY (MICROMHOS/CM) 840
VISIBILITY (M) CLEAR
DISSOLVED OXYGEN (PPH) 2.2
PH 7.2 LO-ION PAPER

TOTAL ALKALINITY (PPM) 380 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 384
 APPEARANCE CLEAR DISCHARGE (L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE OTHER PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 10 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 HOPE N. DAK. 7.5' MAP SAMPLE TAKEN FROM TOILET TANK INSIDE, WELL DIRECTLY IN FRONT OF GARAGE;
 1-60 NEAR CROP FIELDS;
 1-78 HAROLD SALANDER & HOPE, N.D., 58046;
 3-26 TOILET ONLY;

501566 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0566 TIME TAKEN 17/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.398 (47 23'52") LONG 97.707 (97 42'25") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1340 DISSOLVED OXYGEN (PPM) 5.1
 WATER TEMP (C) + 11.3 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 320 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 326
 APPEARANCE CLEAR DISCHARGE (L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK NONE USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 10 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 SHERBROOKE N. DAK. 7.5' MAP SAMPLE TAKEN AT WELL HEAD UNDER WINDMILL 30M NORTH OF HOUSE;
 1-60 NEAR CATTLE AND CROP FIELDS;
 3-20 CONCRETE AND WOOD 1-78 RANDY HUSCHK & HOPE, N.D.;

501567 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 29.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0567 TIME TAKEN 18/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.399 (47 23'56") LONG 97.610 (97 36'36") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1320 DISSOLVED OXYGEN (PPM) 3.6
 WATER TEMP (C) + 13.8 VISIBILITY (M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 442 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 454
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRIVE POINT POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION COPPER

METERS FROM HEAD	3	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	6	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	6	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 HOPE NE N. DAK 7.5' MAP SAMPLE TAKEN AT SINK IN BASEMENT, WELL ALSO IN BASEMENT ON NORTH SIDE;
 1-60 NEAR WHEAT AND SUN FLOWER FIELDS;
 1-78 OTTO NATHAN & HOPE, N.D. 58046;

501568	TYPE WELL WATER	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 28.0	WEATHER	-PT CLDY
	PHASE 2	MAP NL 1403	SITE 0568	TIME TAKEN	18/28/07/79	RELIEF	LOW
	LOCATION:	LAT 47.395 (47 23'42")	LONG 97.559 (97 33'32")	CONTAMINANTS	AGRICULTURA		
	SURFACE GEOL UNIT	QPL	RESULTS REQ	YES	RELEASED	BO1015	SAMPLE: COLOR M-OR-BN
							ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	4500	DISSOLVED OXYGEN(PPM)	3.8
WATER TEMP(C)	+ 9.5	VISIBILITY(M)	0.50	PH	6.9
TOTAL ALKALINITY(PPM)	400	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	412
APPEARANCE	MURKY	DISCHARGE(L/M)	5.00	CONFIDENCE	POSSIBLE
PRODUCING HORIZON	QPL	CONFIDENCE	POSSIBLE	SOURCE	GEOLOGICAL INFERENCE

WELL INFORMATION:

TYPE	UNKNOWN	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	STEEL
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	NONE	PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON(M)	6	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE	
WELL DEPTH(M)	6	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	USER	

REMARKS:

1-38 HOPE NE N. DAK 7.5' MAP SAMPLE TAKEN FROM PUMP AT WELL HEAD BY WESTERN MOST BARN SOUTH OF HOUSE;
 1-60 RUST, NEAR CROP FIELDS 3-20 CONCRETE;
 1-78 DALE HAPPEL & CLIFFORD, N.D. 58016;

501569	TYPE WELL WATER	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 27.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL 1403	SITE 0569	TIME TAKEN	19/28/07/79	RELIEF	LOW
	LOCATION:	LAT 47.443 (47 26'34")	LONG 97.532 (97 31'55")	CONTAMINANTS	AGRICULTURA		
	SURFACE GEOL UNIT	QPL	RESULTS REQ	YES	RELEASED	BO1015	SAMPLE: COLOR -CL
							ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	780	DISSOLVED OXYGEN(PPM)	5.3
WATER TEMP(C)	+ 16.9	VISIBILITY(M)	CLEAR	PH	7.7
TOTAL ALKALINITY(PPM)	275	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	284
APPEARANCE	CLEAR	DISCHARGE(L/M)	30.00	CONFIDENCE	POSSIBLE
PRODUCING HORIZON	QPL	CONFIDENCE	POSSIBLE	SOURCE	GEOLOGICAL INFERENCE

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	12	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M)	13	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE	
WELL DEPTH(M)	13	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 HOPE NE N. DAK 7.5' MAP SAMPLE TAKEN FROM FAUCET ON SOUTH SIDE OF HOUSE WELL 1M OFF WEST SIDE OF HOUSE;
 1-60 WHEAT AND BARLEY FIELDS;

3-20 CONCRETE 7-78 GEORGE HANSON & PORTLAND, N. D.

501570 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0570 TIME TAKEN 19/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.448 (47 26' 52") LONG 97.622 (97 37' 19") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 810 DISSOLVED OXYGEN (PPH) 3.5
 WATER TEMP(C) + 13.5 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPH) 300 P ALKALINITY(PPH) <5 M ALKALINITY(PPH) 324
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON OPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 70 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 11 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 15 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 HOPE NE N. DAK 7.5' MAP SAMPLE TAKEN AT WELL HEAD 80M EAST OF HOUSE NORTH OF BARN;
 1-60 NEAR WHEAT AND BARLEY FIELDS;
 1-78 WALLACE FUGLEBERG & HOPE, N.D.;
 3-20 WOOD;

501571 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0571 TIME TAKEN 19/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.442 (47 26' 31") LONG 97.683 (97 40' 58") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3820 DISSOLVED OXYGEN (PPH) 1.8
 WATER TEMP(C) + 20.3 VISIBILITY(M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY(PPH) 378 P ALKALINITY(PPH) <5 M ALKALINITY(PPH) 372
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 100 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 16 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 16 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 SHERBROOKE N. DAK, 7.5' MAP SAMPLE TAKEN FROM FAUCET ON SOUTH SIDE OF HOUSE WELL UNDER WINDMILL 100M WEST OF HOUSE;
 1-60 WHEAT AND SUNFLOWER FIELDS;
 1-78 E. B. BALDWIN & HOPE, N.D.

501572 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0572 TIME TAKEN 19/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE

LOCATION: LAT 47.486 (47 29' 9") LONG 97.707 (97 42' 25")
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
WATER TEMP (C) + 12.7
TOTAL ALKALINITY (PPM) 557
APPEARANCE CLEAR
PRODUCING HORIZON OPG
CONDUCTIVITY (MICROMHOS/CM) 2660
VISIBILITY (M) CLEAR
P ALKALINITY (PPM) <5
DISCHARGE (L/H) 30.00
CONFIDENCE POSSIBLE
DISSOLVED OXYGEN (PPM) 4.2
PH 7.3 LO-ION PAPER
M ALKALINITY (PPM) 570
SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED
METERS FROM HEAD 3
DEPTH TO PROD HORIZON (M) 15
WELL DEPTH (M) 15
POWER CLASSIFICATION ELECTRIC
WITH RESPECT TO PRESSURE TANK AFTER
CONFIDENCE OF PRODUCING DEPTH POSSIBLE
CONFIDENCE OF WELL DEPTH POSSIBLE
CASING UNKNOWN
USE IRRIGATION
PIPE COMPOSITION STEEL
PUMPING FREQUENCY INFREQUENT
SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
SOURCE OF DEPTH INFORMATION USER

REMARKS:

1-38 SHERBROOKE N. DAK. 7.5' MAP SAMPLE TAKEN A FAUCET 3M NORTH OF WELL HEAD AT SMALL SHED 40M WEST OF HOUSE;
1-60 WHEAT AND SUNFLOWER FIELDS SUBMERSIBLE PUMP;
1-78 JACOBSON STOCK FARM & FINLEY, N.D.;

501573 TYPE WELL WATER REPLICATE SAMPLER TAN
PHASE 2 MAP NL 1403 SITE 0573 TIME TAKEN 11/29/07/79
LOCATION: LAT 47.481 (47 28' 51") LONG 97.539 (97 32' 20")
SURFACE GEOL UNIT OPL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 25.0 WEATHER -OVERCAST
RELIEF LOW VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
WATER TEMP (C) + 8.9
TOTAL ALKALINITY (PPM) 357
APPEARANCE CLEAR
PRODUCING HORIZON OPL
CONDUCTIVITY (MICROMHOS/CM) 1570
VISIBILITY (M) CLEAR
P ALKALINITY (PPM) <5
DISCHARGE (L/H) 5.00
CONFIDENCE POSSIBLE
DISSOLVED OXYGEN (PPM) 4.3
PH 6.1 LO-ION PAPER
M ALKALINITY (PPM) 350
SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED
METERS FROM HEAD 0
DEPTH TO PROD HORIZON (M) 18
WELL DEPTH (M) 18
POWER CLASSIFICATION ELECTRIC
WITH RESPECT TO PRESSURE TANK NONE
CONFIDENCE OF PRODUCING DEPTH POSSIBLE
CONFIDENCE OF WELL DEPTH PROBABLE
CASING OTHER
USE NONE
PIPE COMPOSITION STEEL
PUMPING FREQUENCY RARE
SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 HOPE NE N DAKOTA 7.5' MAP SAMPLE TAKEN AT WELL HEAD UNDER WINDMILL BY STREAM EAST OF HOUSE;
1-60 POTATO AND WHEAT FIELDS, OLD PUMP JACK RUST AND OIL;
3-20 WOOD 1-78 NORRIS OLE & PORTLAND, N.D.;

501574 TYPE WELL WATER REPLICATE SAMPLER TAN
PHASE 2 MAP NL 1403 SITE 0574 TIME TAKEN 14/29/07/79
LOCATION: LAT 47.234 (47 14' 2") LONG 97.537 (97 32' 13")
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 28.0 WEATHER LT WIND-PT CLDY
RELIEF LOW VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
WATER TEMP (C) + 16.5
TOTAL ALKALINITY (PPM) 379
CONDUCTIVITY (MICROMHOS/CM) 7100
VISIBILITY (M) CLEAR
P ALKALINITY (PPM) <5
DISSOLVED OXYGEN (PPM) 4.4
PH 6.9 LO-ION PAPER
M ALKALINITY (PPM) 384

APPEARANCE	CLEAR	DISCHARGE(L/M)	75.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	50	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	16	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	16	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 PAGE N. DAKOTA 7.5' MAP SAMPLE TAKEN AT KITCHEN SINK WELL LOCATED 45M SOUTH OF HOUSE BY POWER POLE;
 1-60 NEAR WHEAT FIELDS;
 1-78 CARL A. JOHNSON & PAGE, N.D. 58064;
 3-21 AND COPPER;

501575	TYPE WELL WATER	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 29.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL 1403	SITE 0575	TIME TAKEN	15/02/07/79	RELIEF	LOW
		LOCATION: LAT 47.248 (47 14' 52")	LONG 97.586 (97 35' 9")	CONTAMINANTS	AGRICULTURA	VEGETATION	GRASS-MODERATE
	SURFACE GEOL UNIT	OPG	RESULTS REQ YES	RELEASED	801015	SAMPLE: COLOR	- -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	680	DISSOLVED OXYGEN(PPM)	5.2
WATER TEMP(C)	+ 9.1	VISIBILITY(M)	CLEAR	PH	7.2
TOTAL ALKALINITY(PPM)	400	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	396
APPEARANCE	CLEAR	DISCHARGE(L/M)	40.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	STEEL
METERS FROM HEAD	6	WITH RESPECT TO PRESSURE TANK	AFTER	USE	IRRIGATION	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	34	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	34	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 PAGE N. DAK 7.5' MAP SAMPLE TAKEN FROM FAUCET AT CENTER PLOT. WELL 6M EAST;
 1-60 NEAR CORN FIELD, SUBMERSIBLE PUMP;
 1-78 SATROM BROS & PAGE, ND;
 3-26 IRRIGATION WELL FOR CORN FIELD;
 3-27 PUMPING FOR 400 HOURS WHEN SAMPLED;

501576	TYPE WELL WATER	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 29.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL 1403	SITE 0576	TIME TAKEN	16/29/07/79	RELIEF	LOW
		LOCATION: LAT 47.229 (47 13' 44")	LONG 97.685 (97 41' 6")	CONTAMINANTS	AGRICULTURA	VEGETATION	GRASS-MODERATE
	SURFACE GEOL UNIT	OPG	RESULTS REQ YES	RELEASED	801015	SAMPLE: COLOR	- -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	940	DISSOLVED OXYGEN(PPM)	4.4
WATER TEMP(C)	+ 15.7	VISIBILITY(M)	CLEAR	PH	7.4
TOTAL ALKALINITY(PPM)	334	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	330
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	15	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	6	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	6	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 COLGATE N. DAKOTA 7.5' MAP SAMPLE TAKEN AT KITCHEN SINK, WELL IN BASEMENT;
 1-60 NEAR SUNFLOWER AND WHEAT FIELDS;
 1-78 ABBY JOHNSON & HOPE, N.D. 58046;
 3-21 AND COPPER;

501577	TYPE	STREAM SEDIMENT	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 29.0	WEATHER	-PT CLDY
	PHASE 2	MAP NL1403	SITE 0577	TIME TAKEN 17/29/07/79	RELIEF	LOW	VEGETATION	GRASS-MODERATE
	LOCATION: LAT	47.140 (47 8'24")	LONG	97.707 (97 42'25")	CONTAMINANTS	AGRICULTURA	STREAM FLOW(M/SEC)	
	SURFACE GEOL UNIT	OPG	RESULTS REQ NO	, RELEASED 801015	WATER: WIDTH(M)		DEPTH(M)	LEVEL DRY
					BED MATERIAL	SILT	SAMPLE: COLOR M-BN-BK	ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 COLGATE N. DAK. 7.5 MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL NO LANDMARK;
 1-60 SOIL AND FERTILIZER BARLEY FIELDS;

501578	TYPE	STREAM SEDIMENT	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 29.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0578	TIME TAKEN 17/29/07/79	RELIEF	LOW	VEGETATION	GRASS-MODERATE
	LOCATION: LAT	47.073 (47 4'22")	LONG	97.664 (97 39'50")	CONTAMINANTS	AGRICULTURA	STREAM FLOW(M/SEC)	
	SURFACE GEOL UNIT	OPG	RESULTS REQ NO	, RELEASED 801015	WATER: WIDTH(M)		DEPTH(M)	LEVEL DRY
					BED MATERIAL	SILT	SAMPLE: COLOR D-BN-BK	ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 19

REMARKS:

1-38 PAGE SW N DAKOTA 7.5' MAP SAMPLE TAKEN 35M UP FROM ROAD OVER 20M INTERVAL, NO LANDMARK;
 1-60 SOIL AND FERTILIZER - WHEAT;

501579	TYPE	STREAM SEDIMENT	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 29.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0579	TIME TAKEN 18/29/07/79	RELIEF	LOW	VEGETATION	GRASS-MODERATE
	LOCATION: LAT	47.037 (47 2'13")	LONG	97.591 (97 35'27")	CONTAMINANTS	AGRICULTURA	STREAM FLOW(M/SEC)	
	SURFACE GEOL UNIT	OPG	RESULTS REQ NO	, RELEASED 801015	WATER: WIDTH(M)		DEPTH(M)	LEVEL DRY
					BED MATERIAL	SILT	SAMPLE: COLOR Q-BN-BY	ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 05

REMARKS:

1-38 PAGE SE N. DAK. 7.5' MAP SAMPLE TAKEN 30M UP FROM ROAD OVER 20M INTERVAL NO LANDMARK;
 1-60 SOIL AND FERTILIZER SUNFLOWER FIELDS;

501580 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 19.0 WEATHER -OVERCAST
 PHASE 2 MAP NL1403 SITE 0580 TIME TAKEN 11/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.158 (47 9'28") LONG 97.560 (97 33'36") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 670 DISSOLVED OXYGEN(PPM) 4.5
 WATER TEMP(C) + 16.8 VISIBILITY(M) CLEAR PH 5.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 346 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 346
 APPEARANCE CLEAR DISCHARGE(L/M) 400.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING PLASTIC PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 42 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 42 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PAGE N. DAK. 7.5' MAP SAMPLE TAKEN AT WELL HEAD, NORTH END OF QUANSET ACROSS FROM HOUSE;
 1-60 SUBMERSIBLE PUMP, WHEAT FIELDS;
 1-78 DONALD GARNAS & PAGE, N.D. 58064;

501581 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 24.0 WEATHER -OVERCAST
 PHASE 2 MAP NL1403 SITE 0581 TIME TAKEN 11/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.197 (47 11'49") LONG 97.568 (97 34' 4") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 670 DISSOLVED OXYGEN(PPM) 2.7
 WATER TEMP(C) + 12.0 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 370 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 364
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING PLASTIC PIPE COMPOSITION STEEL
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 31 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 31 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PAGE N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET IN EAST OF WELL IN CIRCLE DRIVEWAY;
 1-60 SUBMERSIBLE PUMP WHEAT FIELDS;
 1-78 DOUGLAS BOWER & PAGES N.D. 58064;
 3-21 AND PLASTIC.

501582 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 24.0 WEATHER -OVERCAST
 PHASE 2 MAP NL1403 SITE 0582 TIME TAKEN 12/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.199 (47 11'56") LONG 97.643 (97 38'34") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP(C) + 12.8 CONDUCTIVITY(MICROMHOS/CM) 770 DISSOLVED OXYGEN(PPM) 4.6
 VISIBILITY(M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 335 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 344
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 36 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 36 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 COLGATE N. DAK. 7.5' MAP SAMPLE TAKEN FROM WELL HEAD ON NORTH SIDE OF HOUSE;
 1-60 WHEAT AND SUNFLOWER FIELDS;
 1-78 BRAD OLSTAD & PAGE R.R. 1 N.D.;

501583 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 24.0 WEATHER -OVERCAST
 PHASE 2 MAP NL1403 SITE 0583 TIME TAKEN 12/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.209 (47 12'32") LONG 97.670 (97 40'12") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1570 DISSOLVED OXYGEN(PPM) 8.5
 WATER TEMP(C) + 14.7 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 369 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 376
 APPEARANCE CLEAR DISCHARGE(L/M) 35.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK AFTER USE OTHER PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 12 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 12 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION USER

REMARKS:
 1-38 COLGATE N. DAK. 7.5' MAP SAMPLE TAKEN AT FAUCET 1M NORTH OF WELL ON WEST WALL OF QUANSET NEAREST HOUSE;
 1-60 SUBMERSIBLE PUMP WHEAT AND SUNFLOWER FIELDS;
 1-78 GALEN SATROM & PAGE, N.D.;

501584 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 25.0 WEATHER -OVERCAST
 PHASE 2 MAP NL1403 SITE 0584 TIME TAKEN 13/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.153 (47 9'10") LONG 97.686 (97 41' 9") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 890 DISSOLVED OXYGEN(PPM) 3.1
 WATER TEMP(C) + 17.9 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 392
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	GALVANIZED	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	AFTER	USE	NONE	PUMPING FREQUENCY	RARE
DEPTH TO PROD HORIZON(M)	10	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	10	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 COLGATE N. DAK. 7.5' MAP SAMPLE TAKEN AT PUMP OVER WELL IN BASEMENT;
 1-60 NEAR WHEAT FIELDS;
 1-78 KENNETH WARNER & PAGE, N.D.;

501586	TYPE WELL WATER	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 26.0	WEATHER	-OVERCAST
PHASE 2 MAP NL1403 SITE 0586 TIME TAKEN 14/30/07/79				RELIEF	LOW	VEGETATION	GRASS-MODERATE
LOCATION: LAT 47.153 (47 9' 10") LONG 97.611 (97 36' 39")				CONTAMINANTS	AGRICULTURA	SAMPLE: COLOR	- - -CL - - -ODOR NONE
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015							

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	710	DISSOLVED OXYGEN(PPM)	3.2
WATER TEMP(C)	+ 14.6	VISIBILITY(M)	CLEAR	PH	7.2 LO-ION PAPER
TOTAL ALKALINITY(PPM)	370	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	368
APPEARANCE	CLEAR	DISCHARGE(L/M)	30.00	SOURCE GEOLOGICAL INFERENCE	
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	STEEL
METERS FROM HEAD	20	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	26	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	26	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 PAGE N.D. 7.5 MAP SAMPLE TAKEN FROM FAUCET ON EAST SIDE OF HOUSE. WELL LOCATED ON WEST SIDE;
 1-60 SUNFLOWER AND WHEAT FIELDS;
 1-78 HARRY UMSTED & PAGE, N.D.;

501587	TYPE WELL WATER	REPLICATE	SAMPLER TAN	AIR TEMP(C)	+ 26.0	WEATHER	-OVERCAST
PHASE 2 MAP NL1403 SITE 0587 TIME TAKEN 14/30/07/79				RELIEF	LOW	VEGETATION	GRASS-MODERATE
LOCATION: LAT 47.123 (47 7' 22") LONG 97.545 (97 32' 42")				CONTAMINANTS	AGRICULTURA	SAMPLE: COLOR	- - -CL - - -ODOR NONE
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015							

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	480	DISSOLVED OXYGEN(PPM)	4.0
WATER TEMP(C)	+ 11.9	VISIBILITY(M)	CLEAR	PH	7.3 LO-ION PAPER
TOTAL ALKALINITY(PPM)	330	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	348
APPEARANCE	CLEAR	DISCHARGE(L/M)	25.00	SOURCE PUBLICATION	
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	PLASTIC	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	48	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	48	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	USER		

REMARKS:

1-38 PAGE 5E N DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET ON SOUTH OF HOUSE WELL 1M SOUTH;
 1-60 HOG FARM, SUBMERSIBLE PUMP, WHEAT FIELDS;
 1-78 HAROLD NELSON & PAGE, N.D.;

501588 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER -OVERCAST
 PHASE 2 MAP NL1403 SITE 0588 TIME TAKEN 15/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.107(47 6'25") LONG 97.638(97 38'16") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 960 DISSOLVED OXYGEN(PPM) 2.6
 WATER TEMP(C) + 20.5 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 300 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 312
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 30 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 PAGE SW N. DAK. 7.5' MAP WM. NELSON, PAGE, N.D. SAMPLE TAKEN FROM FAUCET AT WELL HEAD 10M SOUTH OF BARN;
 1-60 SUBMERSIBLE PUMP, BARLEY, WHEAT, AND SUNFLOWER FIELDS;

501589 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0589 TIME TAKEN 15/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.109(47 6'32") LONG 97.696(97 41'45") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 690 DISSOLVED OXYGEN(PPM) 5.7
 WATER TEMP(C) + 10.5 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 244 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 240
 APPEARANCE CLEAR DISCHARGE(L/M) 5.00
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 7 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 7 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PAGE SW N. DAKOTA 7.5' MAP SAMPLE TAKEN FROM PUMP OVER WELL BY SHED 40M SOUTH OF HOUSE;
 1-60 OLD PUMP AND PIPES, WHEAT FIELDS;
 1-78 FRED SUHR & PAGE BOX 44 & N.D.;

501590 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP(C) + 26.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0590 TIME TAKEN 16/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE

LOCATION: LAT 47.057 (47 3' 25") LONG 97.686 (97 41' 9") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3390 DISSOLVED OXYGEN (PPM) 2.3
WATER TEMP (C) + 9.4 VISIBILITY (M) CLEAR PH 7.2 LO-ION PAPER
TOTAL ALKALINITY (PPM) 276 P ALKALINITY (PPM) 25 M ALKALINITY (PPM) 284
APPEARANCE CLEAR DISCHARGE (L/M) 10.00
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 20 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 20 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PAGE SW N. DAK. 7.5' MAP SAMPLE TAKEN FROM PUMP OVER WELL 20M NORTH OF HOUSE;
1-60 OLD PUMP AND PIPES, WHEAT FIELDS;
1-78 CLARENCE GRIEGER & TOWER CITY, N.D.;
3-20 CONCRETE;

501591 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 26.0 WEATHER -PT CLDY
PHASE 2 MAP NL1403 SITE 0591 TIME TAKEN 16/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.011 (47 0' 39") LONG 97.664 (97 39' 50") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1140 DISSOLVED OXYGEN (PPM) 4.4
WATER TEMP (C) + 10.7 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
TOTAL ALKALINITY (PPM) 357 P ALKALINITY (PPM) 25 M ALKALINITY (PPM) 356
APPEARANCE CLEAR DISCHARGE (L/M) 40.00
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON (M) 27 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 27 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 PAGE SW N. DAKOTA 7.5' MAP SAMPLE TAKEN AT FAUCET 1M SE OF WELL 3M SOUTH OF HOUSE;
1-60 OLD WELL AND PIPES WHEAT AND SUNFLOWER FIELDS SUBMERSIBLE PUMP;
1-78 ROY DUNHAM & TOWER CITY, N.D.;

501592 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 26.0 WEATHER -PT CLDY
PHASE 2 MAP NL1403 SITE 0592 TIME TAKEN 17/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.051 (47 3' 3") LONG 97.633 (97 37' 58") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1600 DISSOLVED OXYGEN (PPM) 3.5
WATER TEMP (C) + 10.5 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER

TOTAL ALKALINITY (PPM) 364 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 370
 APPEARANCE CLEAR DISCHARGE (L/M) 40.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 24 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 24 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 PAGE SW N. DAK. 7.5' MAP SAMPLE TAKEN AT FAUCET 2M SOUTH OF WELL LOCATED 40M EAST OF HOUSE;
 1-60 OLD PUMP AND PIPES WHEAT AND SUNFLOWERS;
 1-78 WARREN BAYLEY & PAGE, N. DAK.;

501593 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 27.0 WEATHER -PT CLDY
 PHASE 2 MAP NL 1403 SITE 0593 TIME TAKEN 18/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.058 (47 3'28") LONG 97.579 (97 34'44") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 690 DISSOLVED OXYGEN (PPM) 5.2
 WATER TEMP (C) + 16.4 VISIBILITY (M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 328 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 334
 APPEARANCE CLEAR DISCHARGE (L/M) 40.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 25 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 25 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 PAGE SE N. DAK. 7.5' MAP SAMPLE TAKEN FROM FAUCET ON PATIO SOUTH SIDE OF HOUSE RIGHT NEXT TO WELL;
 1-60 NEAR CROP FIELDS;
 1-78 GEORGE GRINDBERG & PAGE, N.D.;

501594 TYPE WELL WATER REPLICATE SAMPLER TAN AIR TEMP (C) + 27.0 WEATHER -PT CLDY
 PHASE 2 MAP NL 1403 SITE 0594 TIME TAKEN 18/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.008 (47 0'28") LONG 97.563 (97 33'46") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1600 DISSOLVED OXYGEN (PPM) 5.5
 WATER TEMP (C) + 17.3 VISIBILITY (M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 421 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 400
 APPEARANCE CLEAR DISCHARGE (L/M) 25.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT

DEPTH TO PROD HORIZON(M)	12	CONFIDENCE OF PRODUCING DEPTH POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	40	CONFIDENCE OF WELL DEPTH	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE

REMARKS:

1-38 PAGE 3E N. DAK. 7.5' MAP SAMPLE TAKEN AT KITCHEN SINK. WELL LOCATED 60M N.W. OF HOUSE BY GRAIN FIELDS;
 1-60 SUNFLOWER FIELDS;
 1-78 LARRY BUHR & BUFFALO, N.D. 58007;
 3-20 CONCRETE;

501595	TYPE	STREAM SEDIMENT	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 30.0	WEATHER	LT WIND-PT CLDY
	PHASE	2	MAP NL 1403	SITE 0595	TIME TAKEN	6/31/07/79	RELIEF	LOW
	LOCATION:	LAT 47.095(47 5'42")	LONG 97.770(97 46'12")				VEGETATION	GRASS-DENSE
							CONTAMINANTS	AGRICULTURA
							WATER: WIDTH(M)	DEPTH(M)
	SURFACE GEOL UNIT	OPG	RESULTS REQ NO	RELEASED	801015		BED MATERIAL	SILT
							SAMPLE: COLOR	M-GY-BN
								LEVEL DRY
								ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 PILLSBURY S.E. N.D. 7.5' MAP, SAMPLE TAKEN 25M. UPSTREAM FROM ROAD, INTERVAL OVER 20M. STARTING 30M. SOUTH OF GALVANIZED SHED;
 1-60 ROW CROPS;

501596	TYPE	WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 30.0	WEATHER	LT WIND-CLEAR
	PHASE	2	MAP NL 1403	SITE 0596	TIME TAKEN	6/31/07/79	RELIEF	LOW
	LOCATION:	LAT 47.104(47 6'14")	LONG 97.832(97 49'55")				VEGETATION	DECIDUOUS-MODERATE
							CONTAMINANTS	AGRICULTURA
	SURFACE GEOL UNIT	QTL	RESULTS REQ YES	RELEASED	801015		SAMPLE: COLOR	-CL
								ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	3900	DISSOLVED OXYGEN(PPM)	4.3
WATER TEMP(C)	+ 14.0	DISCHARGE(L/H)	10.00	PH	6.9
TOTAL ALKALINITY(PPM)	522	CONFIDENCE	POSSIBLE	LO-ION PAPER	
APPEARANCE	CLEAR	SOURCE	GEOL. INFERENCE	M ALKALINITY(PPM)	523
PRODUCING HORIZON	QTL				

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY
DEPTH TO PROD HORIZON(M)	18	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE	CONSTANT
WELL DEPTH(M)	18	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 PILLSBURY S.E. N.D. 7.5' SAMPLE TAKEN FROM HOSE OFF HOUSE FAUCET, WELL LOCATED UNDER CEMENT CAP 1M. WEST OF HOUSE, 8M. EAST OF ROAD;
 1-60 ROW CROPS AND LIVESTOCK;
 1-78 GORDON SUNDSTROM & ORISKA, N.D. 58063;
 3-20 CEMENT CASING;

501597	TYPE	STREAM SEDIMENT	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 27.0	WEATHER	LT WIND-CLEAR
	PHASE	2	MAP NL 1403	SITE 0597	TIME TAKEN	17/31/07/79	RELIEF	LOW
	LOCATION:	LAT 47.074(47 4'26")	LONG 97.788(97 47'16")				VEGETATION	GRASS-DENSE
							CONTAMINANTS	AGRICULTURA
							STREAM FLOW(M/SEC)	

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR L-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 PILLSBURY S.E. N.D. 7.5' MAP, SAMPLE TAKEN 60M. UPSTREAM FROM ROAD, INTERVAL OVER 20M. STARTING 10M. EAST OF STREAM
JUNCTION;
1-60 ROW CROPS;

501598 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 29.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0598 TIME TAKEN 17/31/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.065(47 3'54") LONG 97.771(97 46'15") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - - -CL ODOR NONE
SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1020 DISSOLVED O₂ TEN(PPM) 4.9
WATER TEMP(C) + 17.6 STABILITY(M) CLEAR PH 7.2 LO-ION PAPER
TOTAL ALKALINITY(PPM) 332 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 331
APPEARANCE CLEAR DISCHARGE(L/H) 13.00
PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 5 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 5 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PILLSBURY S.E. N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED UNDER LIVING ROOM IN BASEMENT 7M. NORTH OF
DRIVEWAY;
1-60 ROW CROPS;
1-78 FRED GAGE & DRISKA, N.D. 58063;
3-20 CEMENT CASING;

501599 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0599 TIME TAKEN 18/31/07/79 RELIEF LOW VEGETATION -MODERATE
LOCATION: LAT 47.008(47 0'28") LONG 97.774(97 46'26") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 PILLSBURY S.E. N.D. 7.5' MAP, SAMPLE TAKEN 25M. UPSTREAM FROM ROAD, INTERVAL OVER 20M. STARTING 25M. NORTH OF ROAD WARNING
SIGN;
1-55 SUGAR BEETS;
1-60 ROW CROPS;

501600 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0600 TIME TAKEN 10/31/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.009 (47 0'32") LONG 97.791 (97 47'27") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 5120 DISSOLVED OXYGEN (PPM) 5.8
 WATER TEMP (C) + 9.0 VISIBILITY (M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 514 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 513
 APPEARANCE CLEAR DISCHARGE (L/M) 10.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 18 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 18 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PILLSBURY S.E. N.D. 7.5' MAP, SAMPLE TAKEN FROM PUMP ABOVE WELL HEAD, WELL LOCATED BELOW OLD WINDMILL 15M. SOUTHEAST OF HOUSE;
 1-60 ROW CROPS AND STOCK;
 1-78 DOROTHY MILLER & ORISKA, N.D. 58063;

501601 TYPE WELL WATER REPLICATE SAMPLER GR5 AIR TEMP(C) + 34.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0601 TIME TAKEN 10/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.529 (47 31'44") LONG 97.559 (97 33'32") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 920 DISSOLVED OXYGEN (PPM) 4.1
 WATER TEMP (C) + 12.9 VISIBILITY (M) CLEAR PH 6.4 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 244 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 242
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON OPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 9 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 9 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 NORTHWOOD SE 7.5' QUAD, FROM HYDRANT OVER WELL (WELL IN PIT) UNDER WINDMILL TOWER;
 1-78 RICHARD FUGLEBERG & PORTLAND, ND 58274;
 3-20 CONCRETE CASING;

501602 TYPE WELL WATER REPLICATE SAMPLER GR5 AIR TEMP(C) + 28.0 WEATHER LT WIND-PJ CLDY
 PHASE 2 MAP NL1403 SITE 0602 TIME TAKEN 11/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.528 (47 31'40") LONG 97.619 (97 37' 8") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR L-GN-YL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP(C) + 10.9 CONDUCTIVITY(MICROMHOS/CM) 4790 DISSOLVED OXYGEN(PPM) 7.3
 VISIBILITY(M) CLEAR PH 6.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 740 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 750
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE UNKNOWN POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 9 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 NORTHWOOD SE 7.5' QUAD, FROM PUMP OVER WELL NEXT TO CORRAL;
 1-60 POSSIBLE CONTAMINATION FROM LIVESTOCK;
 1-78 BENNIE GRANDALEN & PORTLAND, ND 58274;

501603 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0603 TIME TAKEN 12/27/07/79 RELIEF LOW VEGETATION BRUSH-MODERATE
 LOCATION: LAT 47.585(47 35' 6") LONG 97.627(97 37' 32") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPL RESULTS REQ NO, RELEASED 801015 SAMPLE: COLOR - - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4970 DISSOLVED OXYGEN(PPM) 3.5
 WATER TEMP(C) + 15.8 VISIBILITY(M) CLEAR PH 6.8 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 220 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 200
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE UNKNOWN POWER CLASSIFICATION HAND CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE MUNICIPAL PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 GOLDEN LAKE 7.5' QUAD FROM HAND PUMP AT PICNIC AREA OWNER NOT KNOWN;
 3-26 WELL APPEARS TO BE A MUNICIPAL WELL AT PICNIC AREA;

501604 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 25.5 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0604 TIME TAKEN 13/27/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.612(47 36' 43") LONG 97.559(97 33' 32") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3440 DISSOLVED OXYGEN(PPM) 4.9
 WATER TEMP(C) + 11.3 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 340 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 332
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED

METERS FROM HEAD	15	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	26	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	26	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 NORTHWOOD SE 7.5' QUAD FROM PIPE TO CATTLE TANK NEAR RED BARN, PUMP IN WHITE SHED;
 1-60 PAST HISTORY OF NITRATE CONTAMINATION BY CATTLE;
 1-78 JOHN A. PETERSON & BOX 108B RURAL ROUTE 2 & HATTON, ND, 58240;
 3-20 CONCRETE CASING;

501605	TYPE WELL WATER	REPLICATE	SAMPLER GR5	AIR TEMP(C)	+ 26.0	WEATHER	LT WIND-RAINY
	PHASE 2	MAP NL1403	SITE 0605	TIME TAKEN	14/27/07/79	RELIEF	LOW
	LOCATION;LAT	47.615(47 36'54")	LONG	97.614(97 36'50")	CONTAMINANTS	AGRICULTURA	
	SURFACE GEOL UNIT	QPL	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	4200	DISSOLVED OXYGEN(PPM)	5.6
WATER TEMP(C)	+ 10.1	VISIBILITY(M)	CLEAR	PH	6.9 LO-ION PAPER
TOTAL ALKALINITY(PPM)	684	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	666
APPEARANCE	CLEAR	DISCHARGE(L/M)	80.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QPL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY
DEPTH TO PROD HORIZON(M)	10	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE	
WELL DEPTH(M)	10	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE	

REMARKS:

1-38 NORTHWOOD SE 7.5' QUAD, FROM HYDRANT OVER WELL IN THE MIDDLE OF A CIRCULAR DRIVEWAY;
 1-60 OWNER REPORTS PAST CONTAMINATION BY LIVESTOCK;
 1-78 ALAN HOLT & HATTON, ND 58042;
 3-20 CONCRETE CASING;

501606	TYPE WELL WATER	REPLICATE	SAMPLER GR5	AIR TEMP(C)	+ 23.0	WEATHER	CALM-OVERCAST
	PHASE 2	MAP NL1403	SITE 0606	TIME TAKEN	15/27/07/79	RELIEF	LOW
	LOCATION;LAT	47.715(47 42'54")	LONG	97.512(97 30'43")	CONTAMINANTS	NONE	
	SURFACE GEOL UNIT	QAL	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	2070	DISSOLVED OXYGEN(PPM)	2.3
WATER TEMP(C)	+ 14.1	VISIBILITY(M)	CLEAR	PH	7.6 LO-ION PAPER
TOTAL ALKALINITY(PPM)	244	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	242
APPEARANCE	CLEAR	DISCHARGE(L/M)	8.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QPL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	UNKNOWN	POWER CLASSIFICATION	HAND	CASING OTHER	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	HOUSEHOLD	PUMPING FREQUENCY
DEPTH TO PROD HORIZON(M)	10	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE	
WELL DEPTH(M)	10	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE	

REMARKS:

1-38 NORTHWOOD 7.5' QUAD, FROM HAND PUMP OVER WELL SE OF HOUSE;
 1-78 RICHARD BERTHOLD & NORTHWOOD, ND 58267;
 3-20 CONCRETE CASING;

501607 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 26.5 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0607 TIME TAKEN 17/27/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.689 (47 41' 20") LONG 97.589 (97 35' 20") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT GAL RESULTS REQ NO , RELEASED 801015 SAMPLE: COLOR D-GN-BK ODOR H2S

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2620 DISSOLVED OXYGEN(PPM) 0.3
 WATER TEMP(C) + 9.5 VISIBILITY(M) 0.30 PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 580 P ALKALINITY(PPM) <5 H ALKALINITY(PPM) 580
 APPEARANCE MURKY DISCHARGE(L/M) CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE
 PRODUCING HORIZON GAL

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION OTHER CASING NONE PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 17 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 17 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 NORTHWOOD 7.5' QUAD, FROM OLD WELL NEAR CORRALL;
 1-38 FARM DESERTED, OWNER NAME UNKNOWN;
 1-60 OLD CORRAL NEXT TO WELL AND CULTIVATED FIELDS IN AREA;
 3-19 NO PUMP (WATER FROM BUCKET);

501609 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0609 TIME TAKEN 18/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.690 (47 41' 24") LONG 97.558 (97 33' 28") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 SAMPLE: COLOR M-QR-GY ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1280 DISSOLVED OXYGEN(PPM) 1.7
 WATER TEMP(C) + 10.4 VISIBILITY(M) 3.00 PH 7.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 302 P ALKALINITY(PPM) <5 H ALKALINITY(PPM) 284
 APPEARANCE MURKY DISCHARGE(L/M) 10.00 CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QTL

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION HAND CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 NORTHWOOD 7.5' QUAD, FROM HAND PUMP OVER WELL, S OF DESERTED FARM, OWNER'S NAME AND ADDRESS UNKNOWN;
 1-60 GRAZING SHEEP;
 1-77 ODOR OF IRON (RUST IN WATER);

501610 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0610 TIME TAKEN 11/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.528 (47 31' 40") LONG 97.666 (97 39' 57") CONTAMINANTS NONE
 SURFACE GEOL UNIT GPL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 7630 DISSOLVED OXYGEN (PPM) 3.7
 WATER TEMP (C) + 11.0 VISIBILITY (M) CLEAR PH 6.2 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 407 P ALKALINITY (PPH) 25 H ALKALINITY (PPH) 400
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON GPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE UNKNOWN POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 47 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 10 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 GOLDEN LAKE 7.5' QUAD, FROM HYDRANT NEXT TO GARAGE, WELL UNDER OLD WINDMILL TOWER;
 1-78 CHESTER HOE & FINLEY, ND 58230;

501611 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.5 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0611 TIME TAKEN 12/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.558 (47 33' 28") LONG 97.687 (97 41' 13") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2640 DISSOLVED OXYGEN (PPM) 1.3
 WATER TEMP (C) + 15.6 VISIBILITY (M) CLEAR PH 6.4 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 518 P ALKALINITY (PPH) 25 H ALKALINITY (PPH) 484
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK BEFORE USE STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 24 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 24 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GOLDEN LAKE 7.5' QUAD, FROM HYDRANT OVER WELL IN BROWN SHED;
 1-60 CHICKENS, SUBMERSTIBLE PUMP;
 1-78 EMIL BRAGER & FINLEY, ND 58230;

501612 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 31.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0612 TIME TAKEN 13/28/07/79 RELIEF GENTLE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.600 (47 36' 0") LONG 97.717 (97 43' 1") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OGO RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3700 DISSOLVED OXYGEN (PPM) 0.2
 WATER TEMP (C) + 11.1 VISIBILITY (M) CLEAR PH 6.7 LO-ION PAPER

TOTAL ALKALINITY (PPM)	464	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	452
APPEARANCE	CLEAR	DISCHARGE (L/M)	10.00		
PRODUCING HORIZON	QGO	CONFIDENCE	POSSIBLE	SOURCE GEOL. INFERENCE	

WELL INFORMATION:					
TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION STEEL
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE STOCK	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M)	19	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE	
WELL DEPTH (M)	19	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION OWNER	

REMARKS:

1-38 GOLDEN LAKE 7.5' QUAD, FROM HYDRANT OVER WELL BEHIND OLD BARN;
 1-60 GRAZING LIVESTOCK;
 1-78 CARL MELDAHL & SHARON, ND 58277;
 3-20 CONCRETE CASING;

501613	TYPE WELL WATER	REPLICATE	SAMPLER GRS	AIR TEMP (C) + 31.0	WEATHER LT WIND-PT CLDY
	PHASE 2 MAP NL1403	SITE 0613	TIME TAKEN 13/28/07/79	RELIEF LOW	VEGETATION DECIDUOUS-MODERATE
	LOCATION: LAT 47.663 (47 39'46") LONG 97.685 (97 41'6")			CONTAMINANTS NONE	
	SURFACE GEOL UNIT QPG	RESULTS REQ NO	RELEASED 801015	SAMPLE: COLOR - CL ODOR NONE	

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	2910	DISSOLVED OXYGEN (PPM)	7.8
WATER TEMP (C)	+ 10.7	VISIBILITY (M)	CLEAR	PH 7.0	LO-ION PAPER
TOTAL ALKALINITY (PPM)	340	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	344
APPEARANCE	CLEAR	DISCHARGE (L/M)	15.00	SOURCE PUBLICATION	
PRODUCING HORIZON	QPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	UNKNOWN	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE NONE	PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON (M)	10	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION PUBLICATION	
WELL DEPTH (M)	10	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION PUBLICATION	

REMARKS:

1-38 NORTHWOOD NW 7.5' QUAD, FROM PUMP OVER WELL IN BACK YARD;
 1-38 HARRY RASUSSEN, NORTHWOOD, ND;
 3-20 CONCRETE CASING;

501614	TYPE WELL WATER	REPLICATE	SAMPLER GRS	AIR TEMP (C) + 32.0	WEATHER LT WIND-PT CLDY
	PHASE 2 MAP NL1403	SITE 0614	TIME TAKEN 14/28/07/79	RELIEF LOW	VEGETATION GRASS-MODERATE
	LOCATION: LAT 47.674 (47 40'26") LONG 97.705 (97 42'18")			CONTAMINANTS NONE	
	SURFACE GEOL UNIT QPG	RESULTS REQ NO	RELEASED 801015	SAMPLE: COLOR U-GN-BK ODOR NONE	

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	2940	DISSOLVED OXYGEN (PPM)	3.3
WATER TEMP (C)	+ 7.0	VISIBILITY (M)	CLEAR	PH 11.0	LO-ION PAPER
TOTAL ALKALINITY (PPM)	326	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	306
APPEARANCE	CLEAR	DISCHARGE (L/M)		SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	QPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	UNKNOWN	POWER CLASSIFICATION	OTHER	CASING OTHER	PIPE COMPOSITION GALVANIZED
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METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	NONE	PUMPING FREQUENCY	RARE
DEPTH TO PROD HORIZON(M)	12	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	12	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 NORTHWOOD NW 7.5' QUAD, FROM WELL WITH BROKEN HAND PUMP OVER IT IN YARD OWNER NOT KNOWN;
 3-19 NO PUMP (BOTTLE USED TO SAMPLE);
 3-20 WOODEN CASING;

501615	TYPE WELL WATER	REPLICATE	SAMPLER GRS	AIR TEMP(C)	+ 30.0	WEATHER	LT WIND-CLEAR
	PHASE 2	MAP NL1403	SITE 0615	TIME TAKEN	14/28/0779	RELIEF	FLAT
		LOCATION: LAT	47.745 (47 44'42")	LONG	97.207 (97 12'25")	VEGETATION	GRASS-MODERATE
		SURFACE GEOL UNIT	QTL	RESULTS REQ	YES	CONTAMINANTS	AGRICULTURA
				RELEASED	801015	SAMPLE: COLOR	- -CL
						ODOR	OTHER

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	4670	DISSOLVED OXYGEN(PPM)	0.7
WATER TEMP(C)	+ 10.7	VISIBILITY(M)	CLEAR	PH	6.9
TOTAL ALKALINITY(PPM)	220	P ALKALINITY(PPM)	<5	LO-TON PAPER	
APPEARANCE	CLEAR	DISCHARGE(L/M)	5.00	M ALKALINITY(PPM)	212
PRODUCING HORIZON	KGFL	CONFIDENCE	PROBABLE	SOURCE	GEOLOGICAL INFERENCE

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ARTESIAN	CASING	GALVANIZED	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	IRRIGATION	PUMPING FREQUENCY	INFREQUENT
DEPTH TO PROD HORIZON(M)	100	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	100	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	USER		

REMARKS:

1-38 BUXTON NW 7.5' QUAD, FROM WELL UNDER HAND PUMP (PUMP NOT WORKING - ARTESIAN FLOW);
 1-60 GRAIN CROPS;
 1-77 SLIGHT ODOR OF IRON;
 1-78 DON J. PASCO & THOMPSON, ND 58278;

501616	TYPE WELL WATER	REPLICATE	SAMPLER GRS	AIR TEMP(C)	+ 31.5	WEATHER	CALM-CLEAR
	PHASE 2	MAP NL1403	SITE 0616	TIME TAKEN	16/28/0779	RELIEF	LOW
		LOCATION: LAT	47.729 (47 43'44")	LONG	97.132 (97 7'55")	VEGETATION	GRASS-MODERATE
		SURFACE GEOL UNIT	QPG	RESULTS REQ	YES	CONTAMINANTS	AGRICULTURA
				RELEASED	801015	SAMPLE: COLOR	- -CL
						ODOR	NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	4720	DISSOLVED OXYGEN(PPM)	1.3
WATER TEMP(C)	+ 11.4	VISIBILITY(M)	CLEAR	PH	7.1
TOTAL ALKALINITY(PPM)	256	P ALKALINITY(PPM)	<5	LO-TON PAPER	
APPEARANCE	CLEAR	DISCHARGE(L/M)	5.00	M ALKALINITY(PPM)	266
PRODUCING HORIZON	QPG	CONFIDENCE	HIGH	SOURCE	PUBLICATION

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	NONE	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	45	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	45	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 BUXTON NW 7.5' QUAD, FROM FLOWING WELL AT STOCK TANK NEXT TO CORRAL;

1-60 CORRAL;
1-78 ROBERT SCHUMACHER & RURAL ROUTE & REYNOLDS, N.D. 58275;

501617 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER -CLEAR
PHASE 2 MAP NL1403 SITE 0617 TIME TAKEN 16/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.729 (47 43'44") LONG 97.107 (97 6'25") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2850 DISSOLVED OXYGEN (PPM) 4.0
WATER TEMP (C) + 72.6 VISIBILITY (M) CLEAR PH 7.2 LO-ION PAPER
TOTAL ALKALINITY (PPM) 536 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 495
APPEARANCE CLEAR DISCHARGE (L/M) 10.00
PRODUCING HORIZON KGFL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE UNKNOWN POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 5 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 143 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
WELL DEPTH (M) 143 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 NORTHWOOD 7.5' QUAD, FROM PIPE TO STOCK TANK, WELL UNDER OLD WINDMILL;
1-60 STOCK CORRAL;
1-78 JAMES CUNNINGHAM & THOMPSON, ND 58278;
3-20 WOODEN CASING;

501618 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 31.0 WEATHER LT WIND-CLEAR
PHASE 6 MAP NL1403 SITE 0618 TIME TAKEN 16/28/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.698 (47 41'52") LONG 97.222 (97 13'19") CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC) NONE
SURFACE GEOL UNIT QPG RESULTS REQ NO, RELEASED 801015 WATER: WIDTH (M) 2.00 DEPTH (M) 0.30 LEVEL NORMAL
BED MATERIAL SAND SAMPLE: COLOR M-BK-BN ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 BUXTON NW 7.5' QUAD, ABOUT 50M FROM HOUSE STARTING NEXT TO LARGE TREE;
1-60 GRAIN CROPS;
1-77 ODOR OF DECAYING VEGETATION;

501619 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0619 TIME TAKEN 17/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.686 (47 41' 9") LONG 97.224 (97 13'26") CONTAMINANTS NONE
SURFACE GEOL UNIT QPG RESULTS REQ NO, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 6030 DISSOLVED OXYGEN (PPM) 2.2
WATER TEMP (C) + 10.4 VISIBILITY (M) CLEAR PH 7.1 LO-ION PAPER
TOTAL ALKALINITY (PPM) 686 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 680
APPEARANCE CLEAR DISCHARGE (L/M) 12.00

PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING NONE PIPE COMPOSITION STEEL
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 72 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 72 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 BUXTON NW 7.5' QUAD, FROM PIPE INTO STOCK TANK NEXT TO PUMP (W OF RED BARN) H. OLSON, REYNOLDS, ND;

501620 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0620 TIME TAKEN 17/28/07/79 RELIEF FLAT VEGETATION DECTDUOUS-MODERATE
 LOCATION: LAT 47.687(47 41'13") LONG 97.161(97 9'39") CONTAMINANTS NONE SAMPLE: COLOR U-GN-YL ODOR NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1870 DISSOLVED OXYGEN(PPM) 1.7
 WATER TEMP(C) + 11.9 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 510 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 498
 APPEARANCE CLEAR DISCHARGE(L/M) 60.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 24 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 24 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 BUXTON NW 7.5' QUAD, FROM PUMP OVER WELL NEAR BARN;
 1-78 THEODORE ACKERMAN & REYNOLDS, ND 58275;

501621 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 29.5 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0621 TIME TAKEN 18/28/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.623(47 37'22") LONG 97.181(97 10'51") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4830 DISSOLVED OXYGEN(PPM) 0.9
 WATER TEMP(C) + 13.7 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 220 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 218
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON OPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 74 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 74 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 BUXTON SW 7.5' QUAD FROM PIPE AT STOCK TANK NEXT TO CORRAL, WELL NEXT TO CORRAL;

1-60 STOCK CORRAL;
1-78 MRS. CHRIST KNUDSVIG & BUXTON, ND 58218;

501622 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 24.0 WEATHER -PT CLDY
PHASE 2 MAP NL 1403 SITE 0622 TIME TAKEN 11/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.155 (47 9'18") LONG 96.229 (96 13'44") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.20 LEVEL LOW
BED MATERIAL SILT SAMPLE: COLOR D-GY-BK ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 FLOW 7.5' QUAD, ABOUT 25M UPSTREAM OF RD, STARTING NEXT TO CLUMP OF TREES FOR 15M;
1-60 WHEAT;

501623 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 25.0 WEATHER -PT CLDY
PHASE 2 MAP NL 1403 SITE 0623 TIME TAKEN 11/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.133 (47 7'58") LONG 96.217 (96 12'39") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SAND SAMPLE: COLOR L-YL-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 FLOW 7.5' QUAD, ABOUT 80M FROM RD, FOR ABOUT 20M;
1-60 WHEAT;

501624 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 25.0 WEATHER -PT CLDY
PHASE 2 MAP NL 1403 SITE 0624 TIME TAKEN 11/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.091 (47 5'27") LONG 96.215 (96 12'54") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SAND SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 TILDE LAKE 7.5' QUAD, ABOUT 25M UPSTREAM OF RD STARTING NEXT TO TREE FOR ABOUT 15M;
1-60 CORN AND SUNFLOWERS;

501625 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0625 TIME TAKEN 12/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.065 (47 3'54") LONG 96.207 (96 12'25") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SAND SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 TILDE LAKE 7.5' QUAD, STARTING ABOUT 25M UPSTREAM OF RD FOR 20M; 1-60 GRAIN AND SUNFLOWERS;

501626 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY PHASE G MAP NL1403 SITE 0626 TIME TAKEN 12/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE LOCATION: LAT 47.037 (47 2' 13") LONG 96.183 (96 10' 58") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.30 SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.30 LEVEL NORMAL BED MATERIAL CLAY SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 TILDE LAKE 7.5' QUAD, ABOUT 200M DOWN STREAM OF RD. FOR ABOUT 15M; 1-60 GRAIN;

501627 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY PHASE G MAP NL1403 SITE 0627 TIME TAKEN 12/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE LOCATION: LAT 47.013 (47 0' 46") LONG 96.070 (96 4' 12") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY BED MATERIAL SILT SAMPLE: COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 FLOM SE 7.5' QUAD, ABOUT 500M DOWNSTREAM OF RD AND 100M S OF FARM FOR 15M; 1-60 GRAIN;

501628 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 27.5 WEATHER LT WIND-PT CLDY PHASE 2 MAP NL1403 SITE 0628 TIME TAKEN 13/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE LOCATION: LAT 47.064 (47 3' 50") LONG 96.169 (96 10' 8") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY BED MATERIAL SAND SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 TILDE LAKE 7.5' QUAD, STARTING ABOUT 25M UPSTREAM OF RD. FOR 15M; 1-60 GRAIN;

501629 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY PHASE G MAP NL1403 SITE 0629 TIME TAKEN 13/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE LOCATION: LAT 47.085 (47 5' 6") LONG 96.172 (96 10' 19") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) WATER: WIDTH(M) DEPTH(M) LEVEL DRY

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 TILDE LAKE 7.5' QUAD, ABOUT 25M UPSTREAM OF RD FOR ABOUT 15M;
1-60 SUNFLOWERS AND GRAIN;

501630 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0630 TIME TAKEN 13/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.097 (47 5'49") LONG 96.174 (96 10'26") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SAND SAMPLE: COLOR L-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 TILDE LAKE 7.5' QUAD, ABOUT 150M DOWN STREAM OF RD. FOR 15M;
1-60 GRAIN AND SUNFLOWERS;

501631 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0631 TIME TAKEN 13/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.708 (47 6'28") LONG 96.182 (96 10'55") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 TILDE LAKE 7.5' QUAD, STARTING ABOUT 25M UPSTREAM OF RD. FOR ABOUT 15M;
1-60 SUNFLOWERS AND GRAIN;

501632 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 27.0 WEATHER -PT CLDY
PHASE 2 MAP NL1403 SITE 0632 TIME TAKEN 14/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.197 (47 11'49") LONG 96.114 (96 6'50") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.50

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.30 LEVEL NORMAL
BED MATERIAL SAND SAMPLE: COLOR L-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 FLOM NE 7.5' QUAD ABOUT 200M DOWNSTREAM OF RD, STARTING NEXT TO BUSHES ON STEEP BANK FOR ABOUT 20M;
1-60 GRAIN, SUNFLOWERS, AND GRAZING CATTLE;

501633 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY

PHASE 2 MAP NL1403 SITE 0633 TIME TAKEN 14/24/07/79
 LOCATION: LAT 47.201 (47 12' 3") LONG 96.088 (96 5' 16")

RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015

WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SAND SAMPLE: COLOR M-YL-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 05

REMARKS:

1-38 FLOM NE 7.5' QUAD, STARTING ABOUT 20M UPSTREAM OF RD FOR ABOUT 15M;
 1-60 GRAIN AND SUNFLOWERS;

501634 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS
 PHASE 2 MAP NL1403 SITE 0634 TIME TAKEN 14/24/07/79
 LOCATION: LAT 47.249 (47 14' 56") LONG 96.206 (96 12' 21")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION GRASS-MODERATE

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015

CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 1.00 DEPTH(M) 0.50 LEVEL NORMAL
 BED MATERIAL SAND SAMPLE: COLOR M-GY-BK ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 FLOM 7.5' QUAD, STARTING ABOUT 25M UPSTREAM OF RD. FOR ABOUT 15M;
 1-60 GRAIN;
 1-77 ODOR OF DECAYING VEGETATION;

501635 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS
 PHASE 2 MAP NL1403 SITE 0635 TIME TAKEN 15/24/07/79
 LOCATION: LAT 47.238 (47 14' 18") LONG 96.325 (96 19' 30")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION GRASS-MODERATE

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015

CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.30
 WATER: WIDTH(M) 2.00 DEPTH(M) 0.50 LEVEL NORMAL
 BED MATERIAL SAND SAMPLE: COLOR D-BK-GY ODOR H2S

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 SYRE 7.5' QUAD ABOUT 25M UPSTREAM OF BRIDGE STARTING A FENCE FOR 15M;
 1-60 GRAZING CATTLE;

501636 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS
 PHASE 2 MAP NL1403 SITE 0636 TIME TAKEN 15/24/07/79
 LOCATION: LAT 47.173 (47 10' 22") LONG 96.406 (96 24' 21")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015

CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 1.00
 WATER: WIDTH(M) 1.00 DEPTH(M) 0.20 LEVEL NORMAL
 BED MATERIAL CLAY SAMPLE: COLOR M-YL-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 ULEN NW 7.5' QUAD, ABOUT 25M UPSTREAM OF RD, STARTING NEXT TO ROW OF TREES FOR ABOUT 15M;
 1-60 GRAIN AND SUNFLOWER CORPS;

501637 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0637 TIME TAKEN 16/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.149(47 8'56") LONG 96.406(96 24'21") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 1.00 LEVEL NORMAL
 BED MATERIAL SAND SAMPLE: COLOR M-BK-BN ODOR OTHER
 SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 ULEN NW 7.5' QUAD, STARTING ABOUT 50M UPSTREAM OF RD NEXT TO LAROME TREE FOR ABOUT 20M;
 1-60 SUNFLOWER AND GRAIN CROPS;
 1-77 ODOR OF DECAYING VEGETATION;

501638 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0638 TIME TAKEN 16/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.058(47 3'28") LONG 96.500(96 30' 0") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR D-BK-BN ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 25

REMARKS:

1-38 ULEN SW 7.5' QUAD, ABOUT 30M UPSTREAM OF RD FOR ABOUT 15M (NOTE; CHANNEL ALTERED BY PLOWING);
 1-60 SUNFLOWER CROP;

501639 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0639 TIME TAKEN 11/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.570(47 34'12") LONG 97.072(97 4'19") CONTAMINANTS NONE SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015
 GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4590 DISSOLVED OXYGEN(PPM) 1.5
 WATER TEMP(C) + 9.9 VISIBILITY(M) CLEAR PH 6.8 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 264 P ALKALINITY(PPM) 5 M ALKALINITY(PPM) 246
 APPEARANCE CLEAR DISCHARGE(L/M) 4.00
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 50 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH(M) 50 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 BUXTON 7.5' QUAD, CLEM MOGUR, BUXTON N.D. 58218, FROM FLOWING WELL AT OLD TANK IN YARD SW OF HOUSE;
 1-38 CLEM MOGUR, BUXTON, N.D. 58218;

501640 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0640 TIME TAKEN 11/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE

LOCATION: LAT 47.584 (47 35' 2") LONG 97.077 (97 0' 39")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP(C) + 9.3
 TOTAL ALKALINITY (PPM) 292
 APPEARANCE CLEAR
 PRODUCING HORIZON QTL
 CONDUCTIVITY (MICROMHOS/CM) 2400
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) <5
 DISCHARGE (L/M) 20.00
 CONFIDENCE POSSIBLE
 DISSOLVED OXYGEN (PPM) 7.9
 PH 8.6 LO-ION PAPER
 M ALKALINITY (PPM) 290
 SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED
 METERS FROM HEAD 0
 DEPTH TO PROD HORIZON (M) 10
 WELL DEPTH (M) 10
 POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK NONE
 CONFIDENCE OF PRODUCING DEPTH POSSIBLE
 CONFIDENCE OF WELL DEPTH POSSIBLE
 CASING STEEL
 USE STOCK
 SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 SOURCE OF DEPTH INFORMATION GEOL. INFERENCE
 PIPE COMPOSITION GALVANIZED
 PUMPING FREQUENCY CONSTANT

REMARKS:

1-38 BUXTON 7.5' QUAD, FROM HYDRANT OVER WELL IN WHITE SHED NEXT TO BARN;
 1-60 CATTLE GRAZING;
 1-78 DALE GRINDELAND & BUXTON, N.D. 58218;

501641 TYPE WELL WATER REPLICATE SAMPLER GRS
 PHASE 2 MAP NL 1403 SITE 0641 TIME TAKEN 12/25/07/79
 LOCATION: LAT 47.540 (47 32' 24") LONG 97.083 (97 4' 58")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 33.5 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP (C) + 7.7
 TOTAL ALKALINITY (PPM) 560
 APPEARANCE CLEAR
 PRODUCING HORIZON QTL
 CONDUCTIVITY (MICROMHOS/CM) 1030
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) <5
 DISCHARGE (L/M) 60.00
 CONFIDENCE POSSIBLE
 DISSOLVED OXYGEN (PPM) 9.5
 PH 7.0 LO-ION PAPER
 M ALKALINITY (PPM) 558
 SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG
 METERS FROM HEAD 0
 DEPTH TO PROD HORIZON (M) 5
 WELL DEPTH (M) 5
 POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK NONE
 CONFIDENCE OF PRODUCING DEPTH POSSIBLE
 CONFIDENCE OF WELL DEPTH PROBABLE
 CASING OTHER
 USE HOUSEHOLD
 SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 SOURCE OF DEPTH INFORMATION OWNER
 PIPE COMPOSITION PLASTIC
 PUMPING FREQUENCY FREQUENT

REMARKS:

1-38 BUXTON 7.5' QUAD, FROM WELL AT BASE OF LARGE TREE;
 1-60 SUNFLOWERS AND GRAIN;
 1-78 WALTER BREND & CUMMINGS, ND 58223;
 3-20 TILE CASING;
 3-21 SOME GARDEN HOSE;

501642 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS
 PHASE 2 MAP NL 1403 SITE 0642 TIME TAKEN 13/25/07/79
 LOCATION: LAT 47.541 (47 32' 27") LONG 97.100 (97 6' 0")
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015

AIR TEMP (C) + 33.5 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA
 WATER: WIDTH (M) DEPTH (M)
 BED MATERIAL SILT
 STREAM FLOW (M/SEC)
 SAMPLE: COLOR M-BK-BN LEVEL DRY
 ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 BUXTON 7.5' QUAD, ABOUT 25M UPSTREAM OF RD FOR ABOUT 20M;
1-60 GRAIN CROPS AND SOIL RUN-OFF FROM FIELDS;

501643 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-OVERCAST
PHASE 2 MAP NL1403 SITE 0643 TIME TAKEN 13/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.521 (47 31' 15") LONG 97.157 (97 9' 25") CONTAMINANTS NONE
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROHOS/CM) 3740 DISSOLVED OXYGEN(PPH) 2.2
WATER TEMP(C) + 10.6 VISIBILITY(M) CLEAR PH 6.7 LO-ION PAPER
TOTAL ALKALINITY(PPH) 242 F ALKALINITY(PPH) 75 H ALKALINITY(PPH) 224
APPEARANCE CLEAR DISCHARGE(L/M) 20.00 SOURCE PUBLICATION
PRODUCING HORIZON KGLF CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE OTHER PUMPING FREQUENCY INFREQUENT
DEPTH TO PROD HORIZON(M) 90 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL INFERENCE
WELL DEPTH(M) 90 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 BUXTON SW 7.5' QUAD FROM HYDRANT AT WELL HEAD W OF HOUSE;
1-78 ORDELL JOHNSON & CUMMINGS, NO 58223;

501644 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-OVERCAST
PHASE 2 MAP NL1403 SITE 0644 TIME TAKEN 14/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.514 (47 30' 50") LONG 97.210 (97 12' 36") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR D-BK-BN ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 BUXTON SW 7.5' QUAD, ABOUT 25M UPSTREAM OF RD FOR ABOUT 15M;
1-60 GRAIN CROPS;
1-77 ODOR OF DECAYING VEGETATION;

501645 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-OVERCAST
PHASE 2 MAP NL1403 SITE 0645 TIME TAKEN 14/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.520 (47 31' 12") LONG 97.234 (97 14' 2") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH(M) 3.00 DEPTH(M) 1.00 LEVEL NORMAL
BED MATERIAL CLAY SAMPLE: COLOR L-BK-GY ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 BUXTON SW 7.5' QUAD, ABOUT 30M FROM DRIVEWAY (UPSTREAM) STARTING OPPOSITE (R) HOUSE FOR ABOUT 15M;
 1-60 GRAIN CROPS;
 1-77 ODOR OF DECAYING VEGETATION;

501646 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0646 TIME TAKEN 15/25/0779 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.560 (47 33'36") LONG 97.116 (97 6'57") CONTAMINANTS NONE
 SURFACE GEOL UNIT DPG RESULTS REQ YES, RELEASED BOTOTS SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 590 DISSOLVED OXYGEN(PPM) 5.7
 WATER TEMP(C) + 21.5 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 240 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 244
 APPEARANCE CLEAR DISCHARGE(L/M) 5.00
 PRODUCING HORIZON DPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD TNK WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 BUXTON 7.5' QUAD, FROM FAUCET ON FRONT OF HOUSE, WELL S OF HOUSE;
 1-78 CHARLES HONG & BUXTON, ND 58218;
 3-20 CONCRETE CASING;
 3-24 HOLDING TANK ON LINE;

501647 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 27.5 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0647 TIME TAKEN 16/25/0779 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.629 (47 37'44") LONG 97.015 (97 0'54") CONTAMINANTS MINING
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED BOTOTS SAMPLE: COLOR U-BN-YL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 310 DISSOLVED OXYGEN(PPM) 2.5
 WATER TEMP(C) + 13.6 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 120 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 121
 APPEARANCE CLEAR DISCHARGE(L/M)
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION OTHER CASING GALVANIZED PIPE COMPOSITION OTHER
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 REYNOLDS 7.5' QUAD, FROM WELL UNDER OLD WINDMILL AT ABANDONED FARM, OWNER UNKNOWN;
 1-60 GRAIN CROPS NEAR;
 3-19 NO POWER, WATER RETRIEVED BY LITER BOTTLE;
 3-21 NO PIPE;
 3-34 OLD PUMP WITH 20' OF PIPE NEXT TO WELL INDICATES DEPTH OF 3M;

501648 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 28.5 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0648 TIME TAKEN 17/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.663(47 39'46") LONG 97.025(97 1'30") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROHMOS/CM) 860 DISSOLVED OXYGEN(PPM) 5.8
 WATER TEMP(C) + 17.1 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPH) 430 P ALKALINITY(PPH) 25 H ALKALINITY(PPH) 414
 APPEARANCE CLEAR DISCHARGE(L/M) 60.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	OTHER	CASING	OTHER	PIPE COMPOSITION	OTHER
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	7	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	7	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 REYNOLDS 7.5' QUAD, FROM WELL UNDER OLD WINDMILL SE OF HOUSE;
 1-60 BARNYARD WASTES STEEL PUMP FROM DRILLED WELL;
 1-78 GEORGE MORN & REYNOLDS RD 58275;
 3-18 3' FOOT DOG WELL WITH DRILLED WELL (NOT FUNCTIONING) INSIDE;
 3-19 PUMP BROKEN, WATER OBTAINED BY BAILING (PLASTIC LITER BOTTLE);
 3-20 CONCRETE CASING, DRILLED WELL CASING UNKNOWN;
 3-21 NO PIPE EVIDENT SOME GALVANIZED ABOVE WATER LEVEL;

501649 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 29.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0649 TIME TAKEN 17/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.715(47 42'54") LONG 97.048(97 2'52") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 REYNOLDS 7.5' QUAD, ABOUT 25M FROM RD FOR ABOUT 15M;
 1-60 GRAIN CROPS;

501650 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.5 WEATHER LT WIND-PT CLDY
 PHASE G MAP NL1403 SITE 0650 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.529(47 31'44") LONG 97.523(97 31'22") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QPL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 1.00 LEVEL NORMAL
 BED MATERIAL CLAY SAMPLE: COLOR D-BN-BK ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 NORTHWOOD SE 7.5' QUAD, ABOUT 25M UPSTREAM OF STARTING AT A SMALL TREE FOR ABOUT 15M;
 1-60 GRAIN CROPS;
 1-77 ODOR OF DECAYING VEGETATION;

501651 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0651 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.519 (47 31' 8") LONG 97.543 (97 32' 34") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT OPL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE COLOR D-BN-BK ODOR OTHER

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 NORTHWOOD SE 7.5' QUAD ABOUT 300M FROM RD STARTING AT A BEND WITH A CLUMP OF TREES FOR ABOUT 20M;
 1-60 GRAZING LIVESTOCK AND GRAIN CROPS;
 1-77 ODOR OF DECAYING VEGETATION;

501652 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0652 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.509 (47 30' 32") LONG 97.623 (97 37' 22") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 1.00 DEPTH(M) 0.30 LEVEL LOW
 SURFACE GEOL UNIT OPL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE COLOR D-BK-BN ODOR OTHER

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 NORTHWOOD SE 7.5' QUAD, ABOUT 25M UPSTREAM OF RD FROM A BEND S FOR ABOUT 15M;
 1-60 GRAIN;
 1-77 ODOR OF DECAYING VEGETATION;

501653 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0653 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.528 (47 31' 40") LONG 97.647 (97 38' 49") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT OPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 GOLDEN LAKE 7.5' QUAD, STARTING ABOUT 25M UPSTREAM OF RD FOR ABOUT 15M;
 1-60 GRAIN;

501654 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0654 TIME TAKEN 15/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.639 (47 38' 20") LONG 97.686 (97 41' 9") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT OPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL SAND SAMPLE COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 NORTHWOOD NW 7.5' QUAD, FROM ABOUT 50M UPSTREAM OF BRIDGE FOR ABOUT 15M;
1-60 GRAIN;

501655 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0655 TIME TAKEN 15/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.663 (47 39'46") LONG 97.670 (97 40'12") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR L-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 NORTHWOOD NW 7.5' QUAD, STARTING ABOUT 25M FROM RD (UPSTREAM) FOR ABOUT 15M;
1-60 SUNFLOWERS AND GRAIN;

501656 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0656 TIME TAKEN 15/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.690 (47 41'24") LONG 97.714 (97 42'50") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 1.00
WATER: WIDTH(M) 0.30 DEPTH(M) 0.20 LEVEL NORMAL
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR M-BK-BN ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 NORTHWOOD NW 7.5' QUAD, ABOUT 70M UPSTREAM OF CONFLUENCE FOR 15M;
1-60 GRAIN AND GRAZING LIVESTOCK;
1-77 ODOR OF DECAYING VEGETATION;

501657 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 31.0 WEATHER CALM-PT CLDY
PHASE 2 MAP NL1403 SITE 0657 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.706 (47 42'21") LONG 97.719 (97 43' 8") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 ABOUT 800M FROM RD AND 50M UPSTREAM FROM CONFLUENCE FOR ABOUT 15M;
1-60 GRAZING LIVESTOCK AND SUNFLOWERS;

501658 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0658 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.724 (47 43'26") LONG 97.731 (97 43'51") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
WATER: WIDTH(M) 1.00 DEPTH(M) 0.30 LEVEL NORMAL
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-BK-BN ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 35

REMARKS:

1-38 NORTHWOOD NW 7.5' QUAD, ABOUT 750M UPSTREAM OF BRIDGE STARTING ABOVE POOL FOR ABOUT 15M;
 1-60 GRAZING LIVESTOCK AND GRAIN;
 1-77 ODOR OF DECAYING VEGETATION;

501659 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0659 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.749 (47 44' 56") LONG 97.633 (97 37' 58") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 NORTHWOOD NW 7.5' QUAD, ABOUT 50M UPSTREAM OF RD FOR 15M;
 1-60 GRAIN;

501660 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0660 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.732 (47 43' 55") LONG 97.625 (97 37' 30") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 15

REMARKS:

1-38 NORTHWOOD NW 7.5' QUAD, STARTING ABOUT 40M UPSTREAM OF RD FOR 15M;
 1-60 GRAIN;

501661 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0661 TIME TAKEN 17/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.721 (47 43' 15") LONG 97.624 (97 37' 26") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 15

REMARKS:

1-38 NORTHWOOD 7.5 QUAD, STARTING ABOUT 30M FROM RD AT EDGE OF CULTIVATED FIELD FOR 15M;
 1-60 GRAIN;

501662 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0662 TIME TAKEN 17/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE

LOCATION: LAT 47.7683 (47 40' 58") LONG 97.5761 (97 34' 33")

CONTAMINANTS - AGRICULTURA

STREAM FLOW (M/SEC)

SURFACE GEOL UNIT QAL RESULTS REQ NO , RELEASED 801015

WATER: WIDTH (M) 3.00
BED MATERIAL SILT

DEPTH (M) 1.00

LEVEL DRY

SAMPLE: COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 NORTHWOOD 7.5' QUAD, STARTING 25M UPSTREAM OF RD FOR 15M;
1-60 GRAIN;

501663 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS
PHASE G MAP NL1403 SITE 0663 TIME TAKEN 12/26/07/79
LOCATION: LAT 47.672 (47 40' 19") LONG 97.625 (97 37' 30")

AIR TEMP (C) + 27.0

WEATHER LT WIND-PT CLDY

RELIEF LOW

VEGETATION GRASS-MODERATE

CONTAMINANTS AGRICULTURA

STREAM FLOW (M/SEC) NONE

SURFACE GEOL UNIT QPL RESULTS REQ NO , RELEASED 801015

WATER: WIDTH (M) 3.00

DEPTH (M) 1.00

LEVEL NORMAL

BED MATERIAL SAND

SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 NORTHWOOD 7.5' QUAD, STARTING ABOUT 25M UPSTREAM OF BRIDGE FOR 15M;
1-60 GRAIN;

501664 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS
PHASE G MAP NL1403 SITE 0664 TIME TAKEN 12/26/07/79
LOCATION: LAT 47.588 (47 35' 16") LONG 97.559 (97 33' 32")

AIR TEMP (C) + 27.0

WEATHER LT WIND-PT CLDY

RELIEF LOW

VEGETATION DECIDUOUS-MODERATE

CONTAMINANTS AGRICULTURA

STREAM FLOW (M/SEC) 0.30

SURFACE GEOL UNIT QPL RESULTS REQ NO , RELEASED 801015

WATER: WIDTH (M) 3.00

DEPTH (M) 1.00

LEVEL NORMAL

BED MATERIAL CLAY

SAMPLE: COLOR D-GY-BK ODOR OTHER

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 NORTHWOOD SE 7.5' QUAD, STARTING ABOUT 25M UPSTREAM OF BRIDGE WHERE BANKING FLATTENS OUT FOR ABOUT 15M;
1-60 GRAZING LIVESTOCK, GRAIN, AND SUNFLOWERS;
1-77 ODOR OF DECAYING VEGETATION;

501665 TYPE WELL WATER REPLICATE SAMPLER GRS
PHASE 2 MAP NL1403 SITE 0665 TIME TAKEN 12/29/07/79
LOCATION: LAT 47.022 (47 1' 19") LONG 96.879 (96 52' 44")
SURFACE GEOL UNIT QAL RESULTS REQ YES , RELEASED 801015

AIR TEMP (C) + 21.0

WEATHER LT WIND-OVERCAST

RELIEF FLAT

VEGETATION DECIDUOUS-MODERATE

CONTAMINANTS NONE

SAMPLE: COLOR U-YL-GN ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1430 DISSOLVED OXYGEN (PPM) 3.2
WATER TEMP (C) + 18.1 VISIBILITY (M) CLEAR PH 6.0 LO-JON PAPER
TOTAL ALKALINITY (PPM) 520 P ALKALINITY (PPM) < 5 M ALKALINITY (PPM) 500
APPEARANCE CLEAR DISCHARGE (L/M) 10.00
PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	GALVANIZED	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	AFTER	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	38	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	38	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 ARGUSVILLE 7.5' QUAD, FROM FAUCET ON E SIDE OF BLOCK PUMP HOUSE E OF HOUSE;
 1-77 ODOR OF IRON;
 1-78 OSCAR SIMONSON ? ARGUSVILLE, ND 58005;

501666	TYPE WELL WATER	REPLICATE	SAMPLER GRS	AIR TEMP(C)	+ 25.0	WEATHER	LT WIND-OVERCAST
	PHASE 2	MAP NL1403	SITE 0666	TIME TAKEN	12/29/07/79	RELIEF	FLAT
	LOCATION: LAT	47.080 (47 5'48")	LONG	96.861 (96 51'39")	CONTAMINANTS	OTHER	
	SURFACE GEOL UNIT	QTL	RESULTS REQ	YES	RELEASED	801015	
					SAMPLE: COLOR	-CL	ODOR H2S

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1450	DISSOLVED OXYGEN(PPM)	4.0
WATER TEMP(C)	+ 10.8	VISIBILITY(M)	CLEAR	PH	6.8
TOTAL ALKALINITY(PPM)	446	P ALKALINITY(PPM)	25	M ALKALINITY(PPM)	444
APPEARANCE	CLEAR	DISCHARGE(L/M)	60.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	3	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	ALL TYPES	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	58	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	58	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 GEORGETOWN 7.5' QUAD, FROM HYDRANT NE OF HOUSE, WELL NEAR WHITE SHED;
 1-60 SUBMERSTABLE PUMP;
 1-78 MRS. IDA OHNSTAD & 401 30TH AVE. N. APT 9 & FARGO, ND 58102;

501667	TYPE WELL WATER	REPLICATE	SAMPLER GRS	AIR TEMP(C)	+ 25.0	WEATHER	LT WIND-OVERCAST
	PHASE 2	MAP NL1403	SITE 0667	TIME TAKEN	13/29/07/79	RELIEF	FLAT
	LOCATION: LAT	47.094 (47 5'38")	LONG	96.940 (96 56'24")	CONTAMINANTS	OTHER	
	SURFACE GEOL UNIT	QTL	RESULTS REQ	YES	RELEASED	801015	
					SAMPLE: COLOR	-CL	ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	3840	DISSOLVED OXYGEN(PPM)	3.3
WATER TEMP(C)	+ 10.9	VISIBILITY(M)	CLEAR	PH	6.7
TOTAL ALKALINITY(PPM)	394	P ALKALINITY(PPM)	25	M ALKALINITY(PPM)	370
APPEARANCE	CLEAR	DISCHARGE(L/M)	30.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	AFTER	USE	ALL TYPES	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	57	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	57	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 ARGUSVILLE 7.5' QUAD, FROM HYDRANT NEXT TO WELL IN CONCRETE BLOCK PIT W OF HOUSE;

1-60 SUBMERSTIBLE PUMP;
1-78 DON WISCHER & ARGUSVILLE, ND 58005;
3-20 GARDEN HOSE ALSO USED;

501668 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCST
PHASE 2 MAP NL1403 SITE 0668 TIME TAKEN 14/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.092(47 5'31") LONG 96.848(96 50'52") CONTAMINANTS NONE
SURFACE GEOL UNIT QAL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1760 DISSOLVED OXYGEN(PPM) 2.3
WATER TEMP(C) + 12.9 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
TOTAL ALKALINITY(PPM) 270 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 272
APPEARANCE CLEAR DISCHARGE(L/M) 60.00
PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 37 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 37 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GEORGETOWN 7.5' QUAD, FROM HYDRANT NEXT TO WHITE SHED, WELL JUST S OF HOUSE;
1-60 SUBMERSTIBLE PUMP;
1-78 OHNSTAD BROS. & ARGUSVILLE, ND 58005;

501669 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCST
PHASE 2 MAP NL1403 SITE 0669 TIME TAKEN 15/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.116(47 6'57") LONG 96.985(96 59' 6") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3590 DISSOLVED OXYGEN(PPM) 4.9
WATER TEMP(C) + 11.7 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER
TOTAL ALKALINITY(PPM) 385 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 350
APPEARANCE CLEAR DISCHARGE(L/M) 30.00
PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 40 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 45 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 45 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 ARGUSVILLE 7.5' QUAD FROM HYDRANT IN BARN, WELL IN YARD SE OF HOUSE;
1-78 MRS. ALFRED NOE & BOX 12 & ALFRED, ND;

501670 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 23.0 WEATHER LT WIND-OVERCST
PHASE 2 MAP NL1403 SITE 0670 TIME TAKEN 15/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE

LOCATION: LAT 47.751 (47 9' 3") LONG 96.984 (96 59' 2") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3970 DISSOLVED OXYGEN (PPM) 5.6
 WATER TEMP (C) + 11.8 VISIBILITY (M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 280 P ALKALINITY (PPM) 75 M ALKALINITY (PPM) 284
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 66 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 66 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GARDNER 7.5' QUAD, FROM HYDRANT NEXT TO WELL HEAD IN YARD S OF HOUSE;
 1-78 CECIL BARKER & GARDNER, ND 58036;

501672 TYPE WELL WATER REPLICATE SAMPLER GAS AIR TEMP (C) + 23.0 WEATHER OVERCAST
 PHASE 2 MAP NL1403 SITE 0672 TIME TAKEN 16/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.769 (47 10' 8") LONG 96.920 (96 55' 12") CONTAMINANTS OTHER
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 4040 DISSOLVED OXYGEN (PPM) 2.0
 WATER TEMP (C) + 19.6 VISIBILITY (M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 240 P ALKALINITY (PPM) 75 M ALKALINITY (PPM) 260
 APPEARANCE CLEAR DISCHARGE (L/M) 20.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 10 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 48 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 48 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GARDNER 7.5' QUAD, FROM FAUCET ON S SIDE OF HOUSE, WELL S OF HOUSE;
 1-60 SUBMERSIBLE PUMP;

501673 TYPE WELL WATER REPLICATE SAMPLER GAS AIR TEMP (C) + 26.0 WEATHER PT CLDY
 PHASE 2 MAP NL1403 SITE 0673 TIME TAKEN 16/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.766 (47 9' 57") LONG 96.869 (96 52' 8") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2210 DISSOLVED OXYGEN (PPM) 2.4
 WATER TEMP (C) + 16.7 VISIBILITY (M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 387 P ALKALINITY (PPM) 75 M ALKALINITY (PPM) 380
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	GALVANIZED	PIPE COMPOSITION	STEEL
METERS FROM HEAD	2	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	66	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	66	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 GARDNER 7.5' QUAD, FROM FAUCET ON W SIDE OF HOUSE, WELL IN PUMP HOUSE NEXT TO HOUSE;
 1-78 OTTO HUAL & GARDNER, ND 58036;

501674 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0674 TIME TAKEN 17/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.191(47 11'27") LONG 96.848(96 50'52") CONTAMINANTS OTHER
 SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	2390	DISSOLVED OXYGEN(PPM)	1.1
WATER TEMP(C)	+ 13.2	VISIBILITY(M)	CLEAR	PH 7.5	LO-ION PAPER
TOTAL ALKALINITY(PPM)	462	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	454
APPEARANCE	CLEAR	DISCHARGE(L/M)	30.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	100	WITH RESPECT TO PRESSURE TANK	AFTER	USE	ALL TYPES	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	51	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	51	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 PERLEY 7.5' QUAD, FROM HYDRANT NEXT TO FENCE E OF HOUSE, WELL BEHIND GARAGE;
 1-60 SUBHERSIBLE PUMP;
 1-77 ODOR OF IRON;
 1-78 ALDEN RENSUOLD & ARDNER, ND 58005;

501675 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0675 TIME TAKEN 17/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.196(47 11'45") LONG 96.894(96 53'38") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	3660	DISSOLVED OXYGEN(PPM)	2.4
WATER TEMP(C)	+ 16.9	VISIBILITY(M)	CLEAR	PH 7.3	LO-ION PAPER
TOTAL ALKALINITY(PPM)	312	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	314
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00	SOURCE	PUBLICATION
PRODUCING HORIZON	QPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	15	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	72	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	72	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 GARDNER 7.5' QUAD, FROM KITCHEN FAUCET, WELL E OF HOUSE (77' DEOR OF TRDN (78' ALAN ELLENSON & GARDNER, ND 58036)

501676 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 28.5 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL 1403 SITE 0676 TIME TAKEN 12/30/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.239 (47 14' 20") LONG 96.963 (96 57' 46") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3470 DISSOLVED OXYGEN (PPM) 1.5
 WATER TEMP(C) + 16.9 VISIBILITY (M) CLEAR PH 5.9 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 256 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 260
 APPEARANCE CLEAR DISCHARGE (L/M) 20.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD 50 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 45 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 45 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 GARDNER 7.5' QUAD, FROM FAUCET IN KITCHEN, PUMP IN PUMP HOUSE E OF HOUSE, MRS SHIRLEY HOFFERT;

501677 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 26.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL 1403 SITE 0677 TIME TAKEN 12/30/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.246 (47 14' 45") LONG 96.879 (96 52' 44") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1990 DISSOLVED OXYGEN (PPM) 3.2
 WATER TEMP(C) + 12.0 VISIBILITY (M) CLEAR PH 6.5 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 272 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 270
 APPEARANCE CLEAR DISCHARGE (L/M) 35.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 50 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 50 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 GARDNER 7.5' QUAD, HYDRANT NEXT TO CORRAL, PUMP IN PUMP HOUSE;

1-60 CORRAL WASTES;

1-78 VICTOR JOHNSON & GRANDIN, ND 58038;

501678 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 26.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL 1403 SITE 0678 TIME TAKEN 13/30/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.210 (47 12' 36") LONG 96.972 (96 58' 19") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	4040	DISSOLVED OXYGEN (PPM)	4.7
WATER TEMP (C)	+ 17.4	VISIBILITY (M)	CLEAR	PH 6.8	LO-ION PAPER
TOTAL ALKALINITY (PPM)	444	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	444
APPEARANCE	CLEAR	DISCHARGE (L/M)	20.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	UNKNOWN	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	25	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON (M)	60	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION		GEOL. INFERENCE	
WELL DEPTH (M)	60	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION		GEOL. INFERENCE	

REMARKS:

1-38 GARDNER 7.5' MAP, FROM FAUCET ON W SIDE OF HOUSE WELL NW OF HOUSE;
 1-78 ALLEN NEPSTAD & GRANDAN, ND 58038;

501679	TYPE WELL WATER	REPLICATE	SAMPLER GRS	AIR TEMP (C)	+ 27.0	WEATHER	CALM-CLEAR
	PHASE 2	MAP NL1403	SITE 0679	TIME TAKEN	14/30/07/79	RELIEF	FLAT
	LOCATION: LAT	47.058 (47 3' 28")	LONG	96.964 (96 57' 50")	CONTAMINANTS	NONE	VEGETATION GRASS-MODERATE
	SURFACE GEOL UNIT	OTL	RESULTS REQ NO	, RELEASED 801015		SAMPLE: COLOR	-CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	2310	DISSOLVED OXYGEN (PPM)	2.8
WATER TEMP (C)	+ 11.8	VISIBILITY (M)	CLEAR	PH 7.1	LO-ION PAPER
TOTAL ALKALINITY (PPM)	340	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	352
APPEARANCE	CLEAR	DISCHARGE (L/M)	15.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	GALVANIZED	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON (M)	57	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION		GEOL. INFERENCE	
WELL DEPTH (M)	57	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION		OWNER	

REMARKS:

1-38 ARGUSVILLE 7.5' QUAD, FROM HYDRANT NEXT TO WELL S OF BARN, BURT MADSON, ARGUSVILLE, ND;

501680	TYPE WELL WATER	REPLICATE	SAMPLER GRS	AIR TEMP (C)	+ 28.0	WEATHER	CALM-CLEAR
	PHASE 2	MAP NL1403	SITE 0680	TIME TAKEN	14/30/07/79	RELIEF	FLAT
	LOCATION: LAT	47.034 (47 2' 2")	LONG	96.983 (96 58' 58")	CONTAMINANTS	NONE	VEGETATION GRASS-MODERATE
	SURFACE GEOL UNIT	OTL	RESULTS REQ YES	, RELEASED 801015		SAMPLE: COLOR	-CL ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	4220	DISSOLVED OXYGEN (PPM)	3.6
WATER TEMP (C)	+ 14.3	VISIBILITY (M)	CLEAR	PH 7.2	LO-ION PAPER
TOTAL ALKALINITY (PPM)	338	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	330
APPEARANCE	CLEAR	DISCHARGE (L/M)	60.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	GALVANIZED	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	3	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	INFREQUENT

DEPTH TO PROD HORIZON(M) 50 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 50 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 ARGUSVILLE 7.5' QUAD, FROM HYDRANT W OF HOUSE, WELL IN PUMPHOUSE W OF HOUSE;
 1-77 SLIGHT ODOR OF IRON;
 1-78 HAZEL KNOLL & ARGUSVILLE, ND 58005;

501681 TYPE WELL WATER REPLICATE SAMPLER GAS AIR TEMP(C) + 31.0 WEATHER CLEAR
 PHASE 2 MAP NL1403 SITE 0681 TIME TAKEN 14/07/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.153(47 9'10") LONG 97.917(97 55'11") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1630 DISSOLVED OXYGEN(PPM) 3.6
 WATER TEMP(C) + 13.7 VISIBILITY(M) CLEAR PH 6.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 500 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 490
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 30 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 SIBLEY 7.5' QUAD FROM HYDRANT NEXT TO WELL W OF BARN;
 1-77 ODOR OF IRON;
 1-78 JAMES A. LEADBETTER & LUVERNE, ND 58056;
 3-20 CONCRETE CASING;

501682 TYPE WELL WATER REPLICATE SAMPLER GAS AIR TEMP(C) + 30.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0682 TIME TAKEN 14/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.153(47 9'10") LONG 97.943(97 56'34") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1830 DISSOLVED OXYGEN(PPM) 6.9
 WATER TEMP(C) + 11.7 VISIBILITY(M) CLEAR PH 6.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 452 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 450
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 24 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 24 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 SIBLEY 7.5' QUAD, FROM HYDRANT OVER WELL;
 1-77 SLIGHT ODOR OF IRON;

1-78 RANDY KOCH & LUVERNE, ND 58056;
 3-20 WOODEN CASING;
 3-21 SOME GARDEN HOSE;

501683 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 31.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0683 TIME TAKEN 15/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.190(47 11'24") LONG 97.948(97 56'52") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1620 DISSOLVED OXYGEN(PPM) 1.7
 WATER TEMP(C) + 24.9 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 428 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 420
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00 SOURCE PUBLICATION
 PRODUCING HORIZON GAL CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRIVE POINT POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 9 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 SIBLEY 7.5' QUAD, FROM HYDRANT NEXT TO WELL PIT IN PUMP HOUSE W OF HOUSE;
 1-78 RICHARD KUNZE & LUVERNE, ND 58056;
 3:20 CONCRETE CASING;

501684 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0684 TIME TAKEN 15/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.197(47 11'49") LONG 97.902(97 54' 7") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR L-BN-BK ODOR OTHER

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2670 DISSOLVED OXYGEN(PPM) 0.9
 WATER TEMP(C) + 12.5 VISIBILITY(M) 5.00 PH 6.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 476 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 475
 APPEARANCE MURKY DISCHARGE(L/M) CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE
 PRODUCING HORIZON OPG

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION OTHER CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 15 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 15 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 SIBLEY 7.5' QUAD, FROM WELL UNDER OLD WINDMILL AT DESERTED FARM 1-60 CATTLE GRAZING;
 1-77 ODOR OF PETROLEUM PRODUCTS;
 1-78 KENNETH JACOBSEN & HOPE, ND 58046;
 3-19 BUCKET USED;

501685 TYPE WELL WATER REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0685 TIME TAKEN 16/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.229(47 13'44") LONG 97.898(97 53'52") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3700 DISSOLVED OXYGEN(PPH) 0.3
 WATER TEMP(C) + 15.4 VISIBILITY(M) CLEAR PH 6.7 LO-ION PAPER
 TOTAL ALKALINITY(PPH) 480 P ALKALINITY(PPH) <5 H ALKALINITY(PPH) 510
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 36 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 36 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 SIBLEY 7.5' QUAD, FROM HYDRANT NEXT TO PUMP HOUSE W OF HOME;
 1-78 KENNETH JACOBSEN & HOPE, ND 58046;
 3-20 CONCRETE AND WOOD;

501686 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0686 TIME TAKEN 16/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.239(47 14'20") LONG 97.897(97 53'49") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO, RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR D-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 25

REMARKS:

1-38 SIBLEY 7.5' MAP, ABOUT 25M UPSTREAM OF RD FOR 15M;
 1-60 GRAIN;

501687 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 29.0 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 0687 TIME TAKEN 16/01/08/79 RELIEF GENTLE VEGETATION BRUSH-MODERATE
 LOCATION: LAT 47.218(47 13' 4") LONG 97.950(97 57' 0") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QPG RESULTS REQ NO, RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 1.00 LEVEL POOLS
 BED MATERIAL SAND SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL(%) 15

REMARKS:

1-38 SIBLEY 7.5' QUAD, ABOUT 500M FROM RD STARTING AT BEND UPSTREAM OF A POOL FOR 15M;
 1-60 GRAIN AND GRAZING ANIMALS;

501688 TYPE STREAM SEDIMENT REPLICATE SAMPLER GRS AIR TEMP(C) + 30.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0688 TIME TAKEN 16/01/08/79 RELIEF GENTLE VEGETATION GRASS-MODERATE

LOCATION: LAT 47.71 (47 42' 39") LONG 97.939 (97 56' 20")

CONTAMINANTS - AGRICULTURA

STREAM FLOW (M/SEC)

SURFACE GEOL UNIT OPG RESULTS REQ NO , RELEASED BOTOTS

WATER: WIDTH (M)

DEPTH (M)

LEVEL DRY

BED MATERIAL SAND

SAMPLE: COLOR M-BK-BN

ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY

SAMPLE TREATMENT NONE

NUMBER OF GRABS 7

ORGANIC MATERIAL (%) 15

REMARKS:

1-38 SIBLEY 7.5' QUAD, ABOUT 25M FROM RD, STARTING AT FENCE FOR 15M;

1-60 GRAZING STOCK;

501701 TYPE WELL WATER

REPLICATE

SAMPLER ADB

AIR TEMP (C) + 28.0

WEATHER LT WIND-PT CLDY

PHASE 2 MAP NL1403 SITE 0701 TIME TAKEN 11/27/07/79

RELIEF FLAT

VEGETATION GRASS-MODERATE

LOCATION: LAT 47.764 (47 45' 50") LONG 97.175 (97 10' 30")

CONTAMINANTS AGRICULTURA

SURFACE GEOL UNIT OPG RESULTS REQ YES , RELEASED BOTOTS

SAMPLE: COLOR - - -CL - ODOR H2S

GENERAL WATER INFORMATION:

TREATMENT NONE

CONDUCTIVITY (MICROMHOS/CM) 5490

DISSOLVED OXYGEN (PPM) 6.6

WATER TEMP (C) + 9.0

VISIBILITY (M) CLEAR

PH 7.0 LO-ION PAPER

TOTAL ALKALINITY (PPM) 223

P ALKALINITY (PPM) <5

M ALKALINITY (PPM) 222

APPEARANCE CLEAR

DISCHARGE (L/M) 4.00

PRODUCING HORIZON OPG

CONFIDENCE POSSIBLE

SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG

POWER CLASSIFICATION ARTESIAN

CASING STEEL

PIPE COMPOSITION STEEL

METERS FROM HEAD 0

WITH RESPECT TO PRESSURE TANK NONE

USE NONE

PUMPING FREQUENCY FREQUENT

DEPTH TO PROD HORIZON (M) 57

CONFIDENCE OF PRODUCING DEPTH PROBABLE

SOURCE OF PRODUCING INFORMATION OWNER

WELL DEPTH (M) 57

CONFIDENCE OF WELL DEPTH PROBABLE

SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GRAND FORKS S.W. 7.5' TOPO, SAMPLE TAKEN FROM WELL BOH. WEST OF HOUSE;

1-60 ROW CROPS;

1-78 GLADYS WINTERS & ROUTE 2 & THOMPSON, NORTH DAKOTA # 58278;

501702 TYPE WELL WATER

REPLICATE

SAMPLER ADB

AIR TEMP (C) + 30.0

WEATHER LT WIND-PT CLDY

PHASE 2 MAP NL1403 SITE 0702 TIME TAKEN 12/27/07/79

RELIEF FLAT

VEGETATION GRASS-MODERATE

LOCATION: LAT 47.797 (47 47' 49") LONG 97.198 (97 11' 52")

CONTAMINANTS AGRICULTURA

SURFACE GEOL UNIT OPG RESULTS REQ YES , RELEASED BOTOTS

SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE

CONDUCTIVITY (MICROMHOS/CM) 1170

DISSOLVED OXYGEN (PPM) 7.6

WATER TEMP (C) + 13.6

VISIBILITY (M) CLEAR

PH 7.1 LO-ION PAPER

TOTAL ALKALINITY (PPM) 400

P ALKALINITY (PPM) <5

M ALKALINITY (PPM) 400

APPEARANCE CLEAR

DISCHARGE (L/M) 15.00

PRODUCING HORIZON OPG

CONFIDENCE HIGH

SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG

POWER CLASSIFICATION ELECTRIC

CASING OTHER

PIPE COMPOSITION COPPER

METERS FROM HEAD 0

WITH RESPECT TO PRESSURE TANK NONE

USE STOCK

PUMPING FREQUENCY FREQUENT

DEPTH TO PROD HORIZON (M) 6

CONFIDENCE OF PRODUCING DEPTH PROBABLE

SOURCE OF PRODUCING INFORMATION OWNER

WELL DEPTH (M) 6

CONFIDENCE OF WELL DEPTH PROBABLE

SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GRAND FORKS S.W. 7.5' TOPO, SAMPLE TAKEN FROM WELL 50M. SOUTH OF HOUSE;
 1-60 STOCK, ROW CROPS, FARM MACHINERY, RUBBER HOSE;
 1-78 SZEPELAK BRO. & ROUTE 2 & THOMPSON, NORTH DAKOTA & 58278;
 3-20 CONCRETE;

501703 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0703 TIME TAKEN 10/27/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.774 (47 46'26") LONG 97.231 (97 13'51") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED BOTDIS SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3100 DISSOLVED OXYGEN(PPM) 1.5
 WATER TEMP(C) + 10.8 VISIBILITY(M) CLEAR PH 6.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 558 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 558
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON OTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GRAND FORKS S.W. 7.5' TOPO, SAMPLE TAKEN FROM WELLHEAD LOCATED IN SHALLO, RED PUMPHOUSE 10M. SOUTH OF 1ST RED BARN;
 1-60 STOCK, PUMP, FARM MACHINERY;
 1-78 TERRY HOUST & ROUTE 2 & THOMPSON, NORTH DAKOTA & 58278;
 3-20 HOOD;

501704 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0704 TIME TAKEN 12/27/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.853 (47 51'10") LONG 97.194 (97 11'38") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OTL RESULTS REQ YES, RELEASED BOTDIS SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 5830 DISSOLVED OXYGEN(PPM) 3.6
 WATER TEMP(C) + 9.8 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 230 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 230
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING UNKNOWN PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 36 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 36 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 GRAND FORKS S.W. 7.5' TOPO, SAMPLE TAKEN FROM WELL LOCATED 3M. EAST OF REAR BARN;
 1-60 STOCK, ROW CROPS;
 1-78 GERALD CAIN & ROUTE 1 & BOX 187 & GRAND FORKS, NORTH DAKOTA & 58201;

501705 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER -RAINY
 PHASE 2 MAP NL1403 SITE 0705 TIME TAKEN 13/27/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.904(47 54' 14") LONG 97.222(97 13' 19") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 6270 DISSOLVED OXYGEN(PPM) 4.4
 WATER TEMP(C) + 8.0 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 223 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 223
 APPEARANCE CLEAR DISCHARGE(L/M) 4.00
 PRODUCING HORIZON KQFL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ARTESIAN CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 54 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 54 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 KELLY 7.5' TOPO, SAMPLE TAKEN FROM WELL LOCATED 30M. SSW OF BARN;
 1-60 STOCK, ROW CROPS;
 1-78 WILSON RAY FARM & BOX 131 & GRAND FORKS, NORTH DAKOTA & 58201;

501706 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 28.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0706 TIME TAKEN 14/27/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.950(47 57' 0") LONG 97.219(97 13' 8") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT GAL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 5220 DISSOLVED OXYGEN(PPM) 1.6
 WATER TEMP(C) + 8.9 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 240 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 240
 APPEARANCE CLEAR DISCHARGE(L/M) 5.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 35 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH(M) 35 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 KELLEY 7.5' TOPO, SAMPLE TAKEN FROM WELLHEAD LOCATED 1M. NORTH OF LOWER GARAGE;
 1-60 RIVER, ROW CROPS, URBAN, AIRPORT;
 1-78 TOM JOHNSON & BOX 83 & ROUTE 2 & GRAND FORKS, NORTH DAKOTA & 58201;

501707 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0707 TIME TAKEN 13/28/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.976(47 58' 33") LONG 97.754(97 45' 14") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 3.00 DEPTH(M) 0.50 LEVEL LOW
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR H2S

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 NIAGARA 7.5' TOPO, SAMPLE TAKEN 40M. UPSTREAM OF ROAD, 20M. INTERVAL FROM SOUTHERLY BEND IN BED;
1-60 SOIL, ROW CROPS, GRAVEL PITS, RAILROAD;

501708 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0708 TIME TAKEN 13/28/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.999 (47 59' 56") LONG 97.775 (97 46' 30") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT OPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 NIAGARA 7.5' TOPO, SAMPLE TAKEN 25M. UPSTREAM OF ROAD, 20M. INTERVAL FROM GROVE;
1-60 SOIL, ROW CROPS, GRAVEL PITS, URBAN, RAILROAD;

501709 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0709 TIME TAKEN 14/28/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.892 (47 53' 31") LONG 97.909 (97 54' 32") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT OPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 LAKE PICKARD 7.5' TOPO, SAMPLE TAKEN 25M. UPSTREAM OF ROAD, 20M. INTERVAL FROM FENCE;
1-60 SOIL, ROW CROPS, HEAVY DUTY ROAD; GRAVEL PIT;

501710 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 27.0 WEATHER CALM-OVERCAST
PHASE 2 MAP NL 1403 SITE 0710 TIME TAKEN 12/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.774 (47 46' 26") LONG 97.550 (97 33' 0") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT OPL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 870 DISSOLVED OXYGEN(PPM) 2.0
WATER TEMP(C) + 12.6 VISIBILITY(M) CLEAR PH 6.8 LO-ION PAPER
TOTAL ALKALINITY(PPM) 340 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 340
APPEARANCE CLEAR DISCHARGE(L/M) 6.00 SOURCE GEOL. INFERENCE
PRODUCING HORIZON OPL CONFIDENCE POSSIBLE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 15 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 5 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
WELL DEPTH(M) 5 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 KEPTON 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 3M. EAST OF HOUSE;

1-60 ROW CROPS, PUMP;

1-78 DALE HANSON & NORTHWOOD, NORTH DAKOTA & 58267;

3-20 CONCRETE;

501711	TYPE WELL WATER	REPLICATE	SAMPLER ADB	AIR TEMP(C) + 27.0	WEATHER CALM-OVERCAST
	PHASE 2	MAP NL1403	SITE 0711	TIME TAKEN 12/29/07/79	RELIEF FLAT
	LOCATION: LAT	47.780 (47 46'48")	LONG	97.600 (97 36' 0")	VEGETATION DECIDUOUS-MODERATE
	SURFACE GEOL UNIT	OTL	RESULTS REQ	YES, RELEASED 801015	CONTAMINANTS AGRICULTURA
					SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	910	DISSOLVED OXYGEN(PPM)	5.4
WATER TEMP(C)	+ 13.7	VISIBILITY(M)	CLEAR	PH 6.7	LO-ION PAPER
TOTAL ALKALINITY(PPM)	312	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	310
APPEARANCE	CLEAR	DISCHARGE(L/M)	6.00		
PRODUCING HORIZON	OTL	CONFIDENCE	POSSIBLE	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	COPPER
METERS FROM HEAD	20	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	4	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER	
WELL DEPTH(M)	4	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 KEPTON 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, EAST SIDE OF HOUSE, WELL LOCATE 2M. WEST OF HOUSE;

1-60 ROW CROPS, PUMP;

1-78 CARLOTT FUNSETH & NORTHWOOD, NORTH DAKOTA & 58267;

3-20 CONCRETE;

501712	TYPE WELL WATER	REPLICATE	SAMPLER ADB	AIR TEMP(C) + 27.0	WEATHER LT WIND-OVERCAST
	PHASE 2	MAP NL1403	SITE 0712	TIME TAKEN 14/29/07/79	RELIEF FLAT
	LOCATION: LAT	47.776 (47 46'33")	LONG	97.680 (97 40'48")	VEGETATION DECIDUOUS-MODERATE
	SURFACE GEOL UNIT	OGO	RESULTS REQ	YES, RELEASED 801015	CONTAMINANTS AGRICULTURA
					SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	2820	DISSOLVED OXYGEN(PPM)	4.2
WATER TEMP(C)	+ 15.3	VISIBILITY(M)	CLEAR	PH 7.0	LO-ION PAPER
TOTAL ALKALINITY(PPM)	360	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	360
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00		
PRODUCING HORIZON	OGO	CONFIDENCE	POSSIBLE	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	COPPER
METERS FROM HEAD	4	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	7	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER	
WELL DEPTH(M)	7	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 LARIMORE 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 2M. NNW OF HOUSE;

1-60 STOCK, ROW CROPS;

1-78 ALFRED GRATTON & NORTHWOOD, NORTH DAKOTA & 58267;

3-20 CONCRETE;

501713 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0713 TIME TAKEN 14/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.816(47 48' 57") LONG 97.666(97 39' 57") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QAL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1440 DISSOLVED OXYGEN(PPM) 4.7
 WATER TEMP(C) + 8.9 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 370 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 370
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QAL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LARIMORE SW 7.5' TOPO, SAMPLE TAKEN FROM WELL LOCATED 10M. SOUTH OF HOUSE;
 1-60 ROW CROPS;
 1-78 WARREN PRIOR & LARIMORE, NORTH DAKOTA & 58251;
 3-20 ROCK;

501714 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0714 TIME TAKEN 14/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.823(47 49' 22") LONG 97.624(97 37' 26") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1020 DISSOLVED OXYGEN(PPM) 5.5
 WATER TEMP(C) + 14.2 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 360 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 360
 APPEARANCE CLEAR DISCHARGE(L/M) 12.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION COPPER
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 KEMPTON 7.5' TOPO, SAMPLE TAKEN FROM FAUCET, OUTSIDE SOUTH END OF HOUSE, WELL LOCATED 2M. SOUTH OF FAUCET;
 1-60 STOCK, URBAN, ROW CROPS;
 1-78 KENNETH REISTAD & NORTHWOOD, NORTH DAKOTA & 58267;
 3-20 CONCRETE;

501715 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0715 TIME TAKEN 15/29/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.817(47 49' 1") LONG 97.523(97 31' 22") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	880	DISSOLVED OXYGEN (PPM)	4.4
WATER TEMP (C) + 17.5	VISIBILITY (M)	CLEAR	PH 7.3	LO-ION PAPER
TOTAL ALKALINITY (PPM) 400	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	400
APPEARANCE CLEAR	DISCHARGE (L/M)	12.00	SOURCE PUBLICATION	
PRODUCING HORIZON QPL	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 6	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSEHOLD	PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON (M) 6	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER
WELL DEPTH (M) 6	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 KEMPTON 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 4M. NORTH OF HOUSE;
 1-60 ROW CROPS, PUMP;
 1-78 ARLIE PEDERSON & NORTHWOOD, NORTH DAKOTA & 58267;
 3-20 CONCRETE;

501716 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP (C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1402 SITE 0716 TIME TAKEN 14/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.859 (47 51'32") LONG 97.538 (97 32'16") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	640	DISSOLVED OXYGEN (PPM)	1.8
WATER TEMP (C) + 9.0	VISIBILITY (M)	CLEAR	PH 7.7	LO-ION PAPER
TOTAL ALKALINITY (PPM) 240	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	240
APPEARANCE CLEAR	DISCHARGE (L/M)	12.00	SOURCE PUBLICATION	
PRODUCING HORIZON QTL	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE DUG	POWER CLASSIFICATION	ELECTRIC	CASING GALVANIZED	PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 0	WITH RESPECT TO PRESSURE TANK	NONE	USE STOCK	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 3	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER
WELL DEPTH (M) 3	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 KEMPTON 7.5' TOPO, SAMPLE TAKEN FROM PUMP AT WELL LOCATED 1M. NNW OF SMALL GARAGE SSW OF INTERSECTION;
 1-60 STOCK, ROW CROPS;
 1-78 ADRIAN BAILEY & ARULLA, NORTH DAKOTA & 58214;

501717 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP (C) + 29.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL 1403 SITE 0717 TIME TAKEN 16/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.873 (47 52'22") LONG 97.602 (97 36' 7") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	630	DISSOLVED OXYGEN (PPM)	2.7
WATER TEMP (C) + 14.0	VISIBILITY (M)	CLEAR	PH 7.4	LO-ION PAPER
TOTAL ALKALINITY (PPM) 360	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	360
APPEARANCE CLEAR	DISCHARGE (L/M)	30.00	SOURCE PUBLICATION	
PRODUCING HORIZON QPL	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	GALVANIZED	PIPE COMPOSITION	STEEL
METERS FROM HEAD	30	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	8	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	8	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 KEMPTON 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 29M. SSW OF HOUSE;
 1-60 ROW CROPS, PUMP, SAND;
 1-78 HAROLD FUSON & RTE 1, BOX 91 & LARIMORE, NORTH DAKOTA & 58251;

501718	TYPE	WELL WATER	REPLICATE	SAMPLER	ADB	AIR TEMP(C)	+ 29.0	WEATHER	LT WIND-OVERCST
	PHASE 2	MAP NL1403	SITE 0718	TIME TAKEN	16/29/07/79	RELIEF	FLAT	VEGETATION	GRASS-MODERATE
	LOCATION:	LAT 47.859(47 51'32")	LONG 97.710(97 42'36")	CONTAMINANTS	AGRICULTURA	SAMPLE:	COLOR	-CL	ODOR NONE
	SURFACE GEOL UNIT	OPG	RESULTS REQ	YES	RELEASED	801015			

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	3950	DISSOLVED OXYGEN(PPM)	6.7
WATER TEMP(C)	+ 12.9	VISIBILITY(M)	CLEAR	PH	7.1 LO-TON PAPER
TOTAL ALKALINITY(PPM)	390	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	390
APPEARANCE	CLEAR	DISCHARGE(L/M)	15.00	SOURCE	PUBLICATION
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	OTHER	PIPE COMPOSITION	UNKNOWN
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	AFTER	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	12	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	12	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 LARIMORE, S.W. 7.5' TOPO, SAMPLE TAKEN FROM PUMP AT WELL LOCATED IN SMALL WHITE PUMP HOUSE 15M. SOUTH OF HOUSE;
 1-60 ROW CROPS, PUMP;
 1-78 MASON & RTE 1, BOX 106 & LARIMORE, NORTH DAKOTA & 58251;
 3-20 CONCRETE;

501719	TYPE	WELL WATER	REPLICATE	SAMPLER	ADB	AIR TEMP(C)	+ 26.0	WEATHER	LT WIND-OVERCST
	PHASE 2	MAP NL1403	SITE 0719	TIME TAKEN	17/29/07/79	RELIEF	FLAT	VEGETATION	DECIDUOUS-MODERATE
	LOCATION:	LAT 47.911(47 54'39")	LONG 97.677(97 40'37")	CONTAMINANTS	AGRICULTURA	SAMPLE:	COLOR	-CL	ODOR NONE
	SURFACE GEOL UNIT	OPL	RESULTS REQ	YES	RELEASED	801015			

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1280	DISSOLVED OXYGEN(PPM)	2.1
WATER TEMP(C)	+ 14.4	VISIBILITY(M)	CLEAR	PH	7.2 LO-TON PAPER
TOTAL ALKALINITY(PPM)	400	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	400
APPEARANCE	CLEAR	DISCHARGE(L/M)	15.00	SOURCE	PUBLICATION
PRODUCING HORIZON	OPL	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	OTHER	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	7	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	8	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	8	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 LARIMORE WEST 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, WEST SIDE OF HOUSE; WELL LOCATED 7M. EAST OF HOUSE;
 1-60 ROW CROPS, PUMP, FARM MACHINERY;
 1-78 KENNETH FARRELL & LARIMORE, NORTH DAKOTA & 58251;
 3-20 CONCRETE;

501720 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 26.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0720 TIME TAKEN 17/29/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.901 (47 54' 3") LONG 97.602 (97 36' 7") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 690 DISSOLVED OXYGEN(PPM) 2.4
 WATER TEMP(C) + 15.2 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 309 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 309
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00 SOURCE PUBLICATION
 PRODUCING HORIZON QPL CONFIDENCE HIGH

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 6 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 8 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 8 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LARIMORE EAST 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 6M. SSE OF HOUSE;
 1-60 ROW CROPS, URBAN, PUMP, SAND, RAILROAD;
 1-78 FRANK MARKOVIC & LARIMORE, NORTH DAKOTA & 58251;
 3-20 CONCRETE;

501721 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 25.0 WEATHER -RAINY
 PHASE 2 MAP NL1403 SITE 0721 TIME TAKEN 18/29/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.916 (47 54' 57") LONG 97.557 (97 33' 25") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1150 DISSOLVED OXYGEN(PPM) 4.3
 WATER TEMP(C) + 11.6 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 338 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 338
 APPEARANCE CLEAR DISCHARGE(L/M) 6.00 SOURCE PUBLICATION
 PRODUCING HORIZON QPL CONFIDENCE HIGH

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING PLASTIC PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD 120 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 4 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 4 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LARIMORE EAST 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 120M. SE OF HOUSE;
 1-60 STOCK, PUMP, SAND, URBAN;
 1-78 JOHN McDONALD & ARVILLA, NORTH DAKOTA & 58214;
 3-20 BRICK;

501722 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 26.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0722 TIME TAKEN 18/29/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.944 (47 56' 38") LONG 97.559 (97 33' 32") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 630 DISSOLVED OXYGEN(PPM) 5.6
 WATER TEMP(C) + 12.7 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 230 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 230
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 9 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LARIMORE EAST 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, NORTH SIDE OF HOUSE, WELL LOCATED IN BASEMENT OF HOUSE;
 1-60 ROW CROPS, PUMP;
 1-78 JIM WARZYNSKI & LARIMORE, NORTH DAKOTA & 58251;

501723 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 26.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0723 TIME TAKEN 19/29/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.952 (47 57' 7") LONG 97.620 (97 37' 12") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 840 DISSOLVED OXYGEN(PPM) 6.5
 WATER TEMP(C) + 15.2 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 300 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 300
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON KGCN CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 25 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 150 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 150 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LARIMORE EAST 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED UNDER FRONT DOOR, EAST SIDE OF HOUSE;
 1-60 ROW CROPS, PUMP;
 1-78 JIM SMITH & ROUTE 1 & LARIMORE, NORTH DAKOTA & 58251;

501724 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 26.0 WEATHER LT WIND-OVERCST
 PHASE 2 MAP NL1403 SITE 0724 TIME TAKEN 19/29/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.963 (47 57' 46") LONG 97.688 (97 41' 16") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QAL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 930 DISSOLVED OXYGEN(PPM) 2.3

WATER TEMP(C)	+ 73.1	VISIBILITY(M)	CLEAR	PH	7.6	LO-ION PAPER
TOTAL ALKALINITY(PPM)	343	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)		343
APPEARANCE	CLEAR	DISCHARGE(L/H)	15.00	SOURCE PUBLICATION		
PRODUCING HORIZON	QAL	CONFIDENCE	HIGH			

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER		PIPE COMPOSITION	COPPER
METERS FROM HEAD	36	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	6	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION		OWNER	
WELL DEPTH(M)	6	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION		OWNER	

REMARKS:

1-38 LARIMORE WEST 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, WEST SIDE OF HOUSE, WELL LOCATED 36M. WEST OF HOUSE;
 1-60, ROW CROPS, PUMP, FARM MACHINERY, STOCK;
 1-78 RUSSELL SWEENEY & LARIMORE, NORTH DAKOTA & 58251;
 3-20 BRASS;

501725	TYPE WELL WATER	REPLICATE	SAMPLER ADB	AIR TEMP(C)	+ 27.0	WEATHER	LT WIND-OVERCAST
	PHASE 2	MAP NL1403	SITE 0725	TIME TAKEN	12/30/07/79	RELIEF	FLAT
		LOCATION: LAT	47.778(47 46' 40")	LONG	97.947(97 56' 49")	VEGETATION	GRASS-MODERATE
		SURFACE GEOL UNIT	QPG	RESULTS REQ	YES	CONTAMINANTS	AGRICULTURA
					RELEASED	801015	SAMPLE: COLOR - - -CL - - -ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	4970	DISSOLVED OXYGEN(PPM)	2.3
WATER TEMP(C)	+ 16.7	VISIBILITY(M)	CLEAR	PH	6.2
TOTAL ALKALINITY(PPM)	400	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	400
APPEARANCE	CLEAR	DISCHARGE(L/H)	12.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	QPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER		PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	6	WITH RESPECT TO PRESSURE TANK	AFTER	USE	NONE	PUMPING FREQUENCY	RARE
DEPTH TO PROD HORIZON(M)	18	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION		OWNER	
WELL DEPTH(M)	18	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION		OWNER	

REMARKS:

1-38 NIAGARA S.W. 7.5' TOPO, SAMPLE TAKEN FROM FAUCET LOCATED 6M. WEST OF GARAGE, WELL 7M. WEST OF HOUSE;
 1-60 PUMP, ROW CROPS;
 1-78 MELFRED LOCKEN & ANETA, NORTH DAKOTA &;
 3-20 HOOD;

501726	TYPE WELL WATER	REPLICATE	SAMPLER ADB	AIR TEMP(C)	+ 27.0	WEATHER	LT WIND-QUERCST
	PHASE 2	MAP NL1403	SITE 0726	TIME TAKEN	12/30/07/79	RELIEF	FLAT
		LOCATION: LAT	47.769(47 46' 8")	LONG	97.920(97 55' 12")	VEGETATION	GRASS-MODERATE
		SURFACE GEOL UNIT	QGO	RESULTS REQ	YES	CONTAMINANTS	AGRICULTURA
					RELEASED	801015	SAMPLE: COLOR - - -CL - - -ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1320	DISSOLVED OXYGEN(PPM)	3.7
WATER TEMP(C)	+ 10.9	VISIBILITY(M)	CLEAR	PH	6.7
TOTAL ALKALINITY(PPM)	390	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	390
APPEARANCE	CLEAR	DISCHARGE(L/H)	15.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	QGO	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	9	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY
DEPTH TO PROD HORIZON(M)	12	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER	CONSTANT
WELL DEPTH(M)	12	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 NIAGARA S.W. 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, SOUTH SIDE OF HOUSE, WELL LOCATED 1M. NNW OF HOUSE;
 1-60, ROW CROPS, PUMP, STORAGE BINS;
 1-78 ELMER HILLESLAND & 2709 SOUTH 10TH ST. & GRAND FORKS, NORTH DAKOTA & 58201;
 3-20 CONCRETE;

501727	TYPE WELL WATER	REPLICATE	SAMPLER ADB	AIR TEMP(C)	+ 28.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0727	TIME TAKEN	14/30/07/79	RELIEF	FLAT
	LOCATION: LAT	47.825 (47 49' 30")	LONG	97.867 (97 52' 1")		CONTAMINANTS	AGRICULTURA
	SURFACE GEOL UNIT	QGO	RESULTS REQ	YES	RELEASED	801015	
						SAMPLE: COLOR	- -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1870	DISSOLVED OXYGEN(PPH)	0.9
WATER TEMP(C)	+ 11.8	VISIBILITY(M)	CLEAR	PH	6.8 LO-ION PAPER
TOTAL ALKALINITY(PPH)	510	P ALKALINITY(PPH)	<5	M ALKALINITY(PPH)	510
APPEARANCE	CLEAR	DISCHARGE(L/M)	15.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	QGO	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	3	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY
DEPTH TO PROD HORIZON(M)	9	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER	CONSTANT
WELL DEPTH(M)	9	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, SOUTH SIDE OF HOUSE, WELL LOCATED 3M. SOUTH OF HOUSE;
 1-60 RIVER, STOCK, ROW CROPS;
 1-78 RUTH CAROLL & NORTHWOOD, NORTH DAKOTA & 58267;
 3-20 CONCRETE;

501728	TYPE WELL WATER	REPLICATE	SAMPLER ADB	AIR TEMP(C)	+ 29.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0728	TIME TAKEN	14/30/07/79	RELIEF	FLAT
	LOCATION: LAT	47.817 (47 49' 1")	LONG	97.956 (97 57' 21")		CONTAMINANTS	AGRICULTURA
	SURFACE GEOL UNIT	QGO	RESULTS REQ	YES	RELEASED	801015	
						SAMPLE: COLOR	- -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1380	DISSOLVED OXYGEN(PPH)	2.0
WATER TEMP(C)	+ 16.5	VISIBILITY(M)	CLEAR	PH	7.1 LO-ION PAPER
TOTAL ALKALINITY(PPH)	470	P ALKALINITY(PPH)	<5	M ALKALINITY(PPH)	470
APPEARANCE	CLEAR	DISCHARGE(L/M)	12.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	QGO	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	STEEL
METERS FROM HEAD	60	WITH RESPECT TO PRESSURE TANK	AFTER	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	21	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	21	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 NIAGARA S.W. 7.5' TOPO, SAMPLE TAKEN FROM UTILITY FAUCET INSIDE HANGAR, WELL LOCATED JUST NNW OF HOUSE;
 1-60 FARM MACHINERY, FUEL STORAGE, PUMP, STOCK, ROW CROPS;
 1-78 CHARLES GEHRKE & ANETA, NORTH DAKOTA & 58212;

501729 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0729 TIME TAKEN 15/30/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.868(47 52' 4") LONG 97.972(97 58' 19") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT DGD RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2630 DISSOLVED OXYGEN(PPM) 0.6
 WATER TEMP(C) + 12.9 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 530 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 530
 APPEARANCE CLEAR DISCHARGE(L/M) 75.00
 PRODUCING HORIZON KGMP CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING PLASTIC PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 15 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 36 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 36 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 NIAGARA S.W. 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 15 M. SSE OF HOUSE;
 1-60 STOCK, ROW CROPS, PUMP;
 1-78 EDWIN MEYER & PETERSBURG, NORTH DAKOTA & 58272;

501730 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0730 TIME TAKEN 16/30/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.883(47 52' 58") LONG 97.878(97 52' 40") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 5550 DISSOLVED OXYGEN(PPM) 3.5
 WATER TEMP(C) + 10.0 VISIBILITY(M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 382 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 382
 APPEARANCE CLEAR DISCHARGE(L/M) 40.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 5 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LAKE PICKARD 7.5' TOPO, SAMPLE TAKEN FROM FAUCET 2M. SOUTH OF BARN, WELL LOCATED 6M. SOUTH OF BARN;
 1-60, STOCK, ROW CROPS, PUMP;
 1-78 JOHN HELTE & NIAGARA, NORTH DAKOTA & 58266;
 3-20 REDWOOD;

501731 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0731 TIME TAKEN 17/30/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.905 (47 54' 18") LONG 97.874 (97 52' 26") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROHOS/CM) 1970 DISSOLVED OXYGEN(PPM) 5.4
 WATER TEMP(C) + 12.1 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 390 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 390
 APPEARANCE CLEAR DISCHARGE(L/M) 12.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 93 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 12 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 12 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 NIAGARA 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, EAST SIDE OF HOUSE, WELL LOCATED 90M. WEST OF HOUSE;
 1-60, ROW CROPS, PUMP;
 1-78 KEITH WELTE & LARIMORE, NORTH DAKOTA & 58251;
 3-20 CONCRETE;

501732 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0732 TIME TAKEN 17/30/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.916 (47 54' 57") LONG 97.967 (97 58' 1") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROHOS/CM) 2460 DISSOLVED OXYGEN(PPM) 3.5
 WATER TEMP(C) + 10.7 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 400
 APPEARANCE CLEAR DISCHARGE(L/M) 50.00
 PRODUCING HORIZON KGMP CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 24 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH(M) 24 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 LAKE PICKARD 7.5' TOPO, SAMPLE TAKEN FROM FAUCET 1M. NORTH OF SMALL RED PUMP HOUSE, WELL LOCATED IN PUMP HOUSE 10M. SOUTH
 OF RED BARN;
 1-60 STOCK, ROW CROPS, PUMP;
 1-78 ELTON MAGNUS & PETERSBURG, NORTH DAKOTA & 58272;

501733 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0733 TIME TAKEN 19/30/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.952 (47 57' 7") LONG 97.902 (97 54' 7") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	1040	DISSOLVED OXYGEN (PPM)	2.2
WATER TEMP (C)	+ 9.7	VISIBILITY (M)	CLEAR	PH 7.4	LO-ION PAPER
TOTAL ALKALINITY (PPM)	400	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	400
APPEARANCE	CLEAR	DISCHARGE (L/M)	20.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON (M)	12	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER	
WELL DEPTH (M)	12	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 LAKE PICKARD 7.5' TOPO, SAMPLE TAKEN FROM WELL LOCATED IN WHITE PUMP HOUSE 10M. SOUTH OF BARN, I-60, STOCK, ROW CROPS, PUMP;
 1-78 ROSCO KELLY & NIAGARA, NORTH DAKOTA & 58266;
 3-20 WOOD;

501734 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP (C) + 26.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL 1403 SITE 0734 TIME TAKEN 12/31/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.963 (47 57'46") LONG 97.804 (97 48'14") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	3890	DISSOLVED OXYGEN (PPM)	4.9
WATER TEMP (C)	+ 16.4	VISIBILITY (M)	CLEAR	PH 6.4	LO-ION PAPER
TOTAL ALKALINITY (PPM)	400	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	400
APPEARANCE	CLEAR	DISCHARGE (L/M)	12.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRIILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	6	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSEHOLD	PUMPING FREQUENCY	INFREQUENT
DEPTH TO PROD HORIZON (M)	5	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER	
WELL DEPTH (M)	5	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 NIAGARA 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, NORTH SIDE OF HOUSE, WELL LOCATED 6M. NNE OF HOUSE;
 1-60, STOCK, RIVER, ROW CROPS;
 1-78 MELVIN VERKUATLAN & NIAGARA, NORTH DAKOTA & 58266;
 3-20 CONCRETE;

501735 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP (C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL 1403 SITE 0735 TIME TAKEN 14/31/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.907 (47 54'25") LONG 97.817 (97 49' 1") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	5000	DISSOLVED OXYGEN (PPM)	L L
WATER TEMP (C)	+ 10.2	VISIBILITY (M)	CLEAR	PH 7.0	LO-ION PAPER
TOTAL ALKALINITY (PPM)	300	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	300
APPEARANCE	CLEAR	DISCHARGE (L/M)	15.00		

PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION OTHER
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE NONE	PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON(M)	27	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER
WELL DEPTH(M)	27	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 NIAGARA 7.5' TOPO, SAMPLE TAKEN FROM OLD WELL PIT LOCATED 12M. NNW OF HOUSE ;
 1-60 STOCK, ROW CROPS;
 1-78 HAROLD LARSEN & NIAGARA, NORTH DAKOTA & 58266;
 3-20 WOOD;
 3-21 NONE;

501736 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0736 TIME TAKEN 14/31/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.868 (47 52' 4") LONG 97.818 (97 49' 4") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED BOTOTS SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY(MICROMHOS/CM)	1220	DISSOLVED OXYGEN(PPM)	5.9
WATER TEMP(C)	VISIBILITY(M)	CLEAR	PH 7.4 LO-ION PAPER	
TOTAL ALKALINITY(PPM)	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	400
APPEARANCE CLEAR	DISCHARGE(L/M)	30.00		
PRODUCING HORIZON OPG	CONFIDENCE	POSSIBLE	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION PLASTIC
METERS FROM HEAD	3	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSE/STOCK	PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M)	9	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER
WELL DEPTH(M)	9	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN FROM FAUCET 3M. NNE OF SMALL WHITE PUMP HOUSE, WELL LOCATED IN PUMPHOUSE;
 1-60 STOCK, ROW CROPS, PUMP, FARM MACHINERY;
 1-78 KEITH BOULDEN & LARIPORE, NORTH DAKOTA & 58251;
 3-20 CONCRETE;

501737 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 28.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0737 TIME TAKEN 15/31/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.812 (47 48' 43") LONG 97.818 (97 49' 4") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OGO RESULTS REQ YES, RELEASED BOTOTS SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY(MICROMHOS/CM)	1070	DISSOLVED OXYGEN(PPM)	3.5
WATER TEMP(C)	VISIBILITY(M)	CLEAR	PH 7.6 LO-ION PAPER	
TOTAL ALKALINITY(PPM)	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	348
APPEARANCE CLEAR	DISCHARGE(L/M)	12.00		
PRODUCING HORIZON OGO	CONFIDENCE	POSSIBLE	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION STEEL
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METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	9	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	9	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN AT WELL LOCATED 3M EAST OF GARAGE;
 1-60, ROW CROPS, PUMP;
 1-78 DUDLEY WILLIAMS & NORTHWOOD, NORTH DAKOTA & 58267;
 3-20 CONCRETE;

501738	TYPE WELL WATER	REPLICATE	SAMPLER ADB	AIR TEMP(C) + 28.0	WEATHER	CALM-CLEAR
	PHASE 2 MAP NL1403	SITE 0738	TIME TAKEN 16/31/07/79	RELIEF GENTLE	VEGETATION	GRASS-MODERATE
	LOCATION: LAT 47.764 (47 45'50")	LONG 97.816 (97 48'57")		CONTAMINANTS	AGRICULTURA	
	SURFACE GEOL UNIT	OPG	RESULTS REQ YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	2040	DISSOLVED OXYGEN(PPM)	2.7
WATER TEMP(C)	+ 9.9	VISIBILITY(M)	CLEAR	PH 7.8	LO-ION PAPER
TOTAL ALKALINITY(PPM)	460	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	460
APPEARANCE	CLEAR	DISCHARGE(L/M)	30.00	SOURCE	PUBLICATION
PRODUCING HORIZON	KGMP	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	COPPER
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	HOUSEHOLD	PUMPING FREQUENCY	INFREQUENT
DEPTH TO PROD HORIZON(M)	50	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	50	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN FROM WELL LOCATED 4M. NORTH OF RED BARN;
 1-60, ROW CROPS, FARM MACHINERY, HISSLE SILO;
 1-78 HERBERT WELTE & RTE 1 & ANETA, NORTH DAKOTA & 58212;

501739	TYPE WELL WATER	REPLICATE	SAMPLER ADB	AIR TEMP(C) + 29.0	WEATHER	CALM-CLEAR
	PHASE 2 MAP NL1403	SITE 0739	TIME TAKEN 16/31/07/79	RELIEF FLAT	VEGETATION	GRASS-MODERATE
	LOCATION: LAT 47.781 (47 46'51")	LONG 97.775 (97 46'30")		CONTAMINANTS	AGRICULTURA	
	SURFACE GEOL UNIT	OPG	RESULTS REQ YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	5000	DISSOLVED OXYGEN(PPM)	3.3
WATER TEMP(C)	+ 15.7	VISIBILITY(M)	CLEAR	PH 7.1	LO-ION PAPER
TOTAL ALKALINITY(PPM)	738	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	738
APPEARANCE	CLEAR	DISCHARGE(L/M)	12.00	SOURCE	GEOL INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	OTHER	PIPE COMPOSITION	UNKNOWN
METERS FROM HEAD	3	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	14	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	14	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, NORTH SIDE OF HOUSE, WELL LOCATED 3M. WEST OF HOUSE;

1-60, ROW CROPS, PUMP;
1-78 MEDIUM MARTINSON & NORTHWOOD, NORTH DAKOTA & 58267;
3-20 CONCRETE;

501741 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER CALM-CLEAR
PHASE 2 MAP NL1403 SITE 0741 TIME TAKEN 17/31/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.805(47 48' 18") LONG 97.753(97 45' 10") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT OPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3680 DISSOLVED OXYGEN(PPM) 3.1
WATER TEMP(C) + 13.5 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
TOTAL ALKALINITY(PPM) 510 P ALKALINITY(PPM) <5 H ALKALINITY(PPM) 510
APPEARANCE CLEAR DISCHARGE(L/M) 12.00
PRODUCING HORIZON OGO CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 11 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
WELL DEPTH(M) 11 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN FROM OUTSIDE FAUCET, WEST SIDE OF HOUSE, WELL LOCATED 4M. NNW OF HOUSE;
1-60, STOCK, ROW CROPS, PUMP, CONSTRUCTION;
1-78 MARTIN YAHNA & NORTHWOOD, NORTH DAKOTA & 58267;
3-20 CONCRETE;

501742 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER CALM-PT CLDY
PHASE 2 MAP NL1403 SITE 0742 TIME TAKEN 17/31/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.875(47 52' 30") LONG 97.768(97 46' 47") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT OPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4340 DISSOLVED OXYGEN(PPM) 3.6
WATER TEMP(C) + 11.8 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
TOTAL ALKALINITY(PPM) 510 P ALKALINITY(PPM) <5 H ALKALINITY(PPM) 510
APPEARANCE CLEAR DISCHARGE(L/M) 10.00
PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION STEEL
METERS FROM HEAD WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON(M) 5 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
WELL DEPTH(M) 5 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN FROM WELL LOCATED 1.5M. SSE OF HOUSE;
1-60, ROW CROPS;
1-78 MRS. ROBERT HELLS & LARJMORE, NORTH DAKOTA & 58251;
3-20 CEMENT;

501743 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0743 TIME TAKEN 18/31/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.908 (47 54'28") LONG 97.754 (97 45'14") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 7520 DISSOLVED OXYGEN(PPM) 2.4
 WATER TEMP(C) + 15.9 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 360 P ALKALINITY(PPM) 75 M ALKALINITY(PPM) 360
 APPEARANCE CLEAR DISCHARGE(L/M) 12.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 4 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 4 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 NIAGARA 7.5' TOPO, SAMPLE TAKEN FROM WELL INSIDE PIG BARN;
 1-60 STOCK, ROW CROPS;
 1-78 FRANK LARSON & LARIMARE, NORTH DAKOTA & 58251;
 3-20 IRON;

501744 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0744 TIME TAKEN 18/31/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.947 (47 56'49") LONG 97.752 (97 45' 7") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1720 DISSOLVED OXYGEN(PPM) 4.1
 WATER TEMP(C) + 16.4 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) 75 M ALKALINITY(PPM) 400
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QAL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 270 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 8 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 8 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 NIAGARA 7.5' TOPO, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 240M. SOUTH OF RED BARN;
 1-60, RIVER, STOCK, PUMP, ROW CROPS;
 1-78 JAMES HEMMINGSEN & MCCANNA, NORTH DAKOTA & 58253;
 3-20 CONCRETE;

501745 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0745 TIME TAKEN 12/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.865 (47 51'54") LONG 97.517 (97 31' 1") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH(M) 4.00 DEPTH(M) 0.50 LEVEL LOW
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 KEMPION 7.5' TOPO, SAMPLE TAKEN 25M. UPSTREAM OF BRIDGE, 20M. INTERVAL FROM MIDDLE OF CATTAIL PATCH;
1-60, SOIL, AGRICULTURE;

501746 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0746 TIME TAKEN 14/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.727 (47 46'37") LONG 97.663 (97 39'46") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QGO RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 LARIMORE SW 7.5' TOPO, SAMPLE TAKEN 100M. UPSTREAM OF ROAD, 20M. INTERVAL FROM EASTERLY BEND;
1-60, SOIL, ROW CROPS;

501747 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0747 TIME TAKEN 14/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.809 (47 48'32") LONG 97.668 (97 40' 4") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 LARIMORE S.W. 7.5' TOPO, SAMPLE TAKEN 30M. UPSTREAM OF ROAD, 20M. INTERVAL FROM 1ST COTTONWOOD TREE;
1-60, SOIL, ROW CROPS;

501748 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 6 MAP NL1403 SITE 0748 TIME TAKEN 15/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.828 (47 49'40") LONG 97.732 (97 43'55") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 LARIMORE S.W. 7.5' TOPO, SAMPLE TAKEN 30M. UPSTREAM OF JEEP TRAIL, 20M. INTERVAL FROM NORTHERLY BEND IN BED;
1-60, SOIL, ROW CROPS;

501749 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0749 TIME TAKEN 15/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.858 (47 51'28") LONG 97.690 (97 41'24") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT OPG RESULTS REG NO ,RELEASED 801015

WATER: WIDTH(M) BED MATERIAL SILT

DEPTH(M) SAMPLE: COLOR D-GY-BN

LEVEL DRY ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 LARIMORE S.W. 7.5' TOPO, SAMPLE TAKEN 25M. UPSTREAM OF ROAD, 20M. INTERVAL (NO LANDMARK);
1-60 SOIL, ROW CROPS, REFUSE;

501750 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
PHASE 2 MAP NL1403 SITE 0750 TIME TAKEN 15/25/07/79
LOCATION: LAT 47.872(47 52'19") LONG 97.688(97 41'16")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
RELIEF FLAT VEGETATION GRASS-MODERATE

CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT OPG RESULTS REG NO ,RELEASED 801015

WATER: WIDTH(M) BED MATERIAL SILT

DEPTH(M) SAMPLE: COLOR D-GY-BN

LEVEL DRY ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 LARIMORE S.W. 7.5' TOPO, SAMPLE TAKEN 25M. UPSTREAM OF ROAD, 20M. INTERVAL FROM BRANCH;
1-60, SOIL, ROW CROPS;

501751 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
PHASE 2 MAP NL1403 SITE 0751 TIME TAKEN 15/25/07/79
LOCATION: LAT 47.900(47 54' 0") LONG 97.703(97 42'10")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
RELIEF FLAT VEGETATION GRASS-MODERATE

CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT OPG RESULTS REG NO ,RELEASED 801015

WATER: WIDTH(M) BED MATERIAL CLAY

DEPTH(M) SAMPLE: COLOR D-GY-BN

LEVEL DRY ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 9 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 LARIMORE WEST 7.5' TOPO, SAMPLE TAKEN 45M. DOWNSTREAM OF ROAD, 20M. INTERVAL FROM FORK;
1-60, SOIL, ROW CROPS;

501752 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
PHASE 2 MAP NL1403 SITE 0752 TIME TAKEN 15/25/07/79
LOCATION: LAT 47.917(47 55' 1") LONG 97.712(97 42'43")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
RELIEF FLAT VEGETATION GRASS-MODERATE

CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT OPG RESULTS REG NO ,RELEASED 801015

WATER: WIDTH(M) BED MATERIAL SAND

DEPTH(M) SAMPLE: COLOR D-GY-BN

LEVEL DRY ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 LARIMORE WEST 7.5' TOPO, SAMPLE TAKEN 25M. UPSTREAM OF ROAD, 20M. INTERVAL FROM 10M. WEST OF FENCE;
1-60, SOIL, STOCK, ROW CROPS;

501753 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0753 TIME TAKEN 16/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.943(47 56'34") LONG 97.724(97 43'26") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QAL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 35

REMARKS:

1-38 LARIMORE WEST, 7.5' TOPO, SAMPLE TAKEN 60M. UPSTREAM OF ROAD, 20M. INTERVAL FROM NNW BEND IN BED;
 1-60, SOIL, ROW CROPS, RAILROAD BED, STOCK;

501754 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0754 TIME TAKEN 16/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.946(47 56'45") LONG 97.733(97 43'58") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QAL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 3.00 DEPTH(M) 0.25 LEVEL POOLS
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 9 ORGANIC MATERIAL(%) 45

REMARKS:

1-38 LARIMORE WEST, 7.5' TOPO, SAMPLE TAKEN 25M. UPSTREAM OF ROAD, 20M. INTERVAL FROM SOUTHERLY BEND IN BED;
 1-60, SOIL, ROW CROPS, STOCK;

501755 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 32.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0755 TIME TAKEN 17/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.860(47 51'36") LONG 97.238(97 14'16") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 4.00 DEPTH(M) 0.50 LEVEL POOLS
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 GRAND FORKS SW 7.5' TOPO, SAMPLE TAKEN 30M. UPSTREAM OF ROAD, 20M. INTERVAL FROM REFUSE PILE;
 1-60, SOIL, ROW CROPS, REFUSE;

501756 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 32.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0756 TIME TAKEN 17/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.879(47 52'44") LONG 97.133(97 7'58") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-BN-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 25

REMARKS:

1-38 KELLY 7.5' TOPO, SAMPLE TAKEN 30M. UPSTREAM OF ROAD, 20M. INTERVAL FROM BEND IN BED;
 1-60, SOIL, ROW CROPS;

501757 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE G MAP NL1403 SITE 0757 TIME TAKEN 15/24/07/79 AIR TEMP(C) + 32.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.826(47 49'33") LONG 97.016(97 0'57") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 4.00 DEPTH(M) 0.25 LEVEL LOW
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-BK-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 30

REMARKS:
 1-38 THOMPSON-N. DAK. MINN. 7.5' TOPO, SAMPLE TAKEN 50M. UPSTREAM OF ROAD, 20M. INTERVAL FROM 25M. UPSTREAM OF FORK;
 1-60, SOIL, ROW CROPS, REFUSE;

501758 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE G MAP NL1403 SITE 0758 TIME TAKEN 15/24/07/79 AIR TEMP(C) + 32.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.787(47 47'13") LONG 97.018(97 1' 4") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 4.00 DEPTH(M) 0.50 LEVEL LOW
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 40

REMARKS:
 1-38 THOMPSON 7.5' TOPO, SAMPLE TAKEN 40M. UPSTREAM OF ROAD, 20. M. INTERVAL FROM 1ST EASTERLY BEND IN BED;
 1-60, SOIL, ROW CROPS, REFUSE;

501759 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE 2 MAP NL1403 SITE 0759 TIME TAKEN 16/24/07/79 AIR TEMP(C) + 32.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.767(47 46' 1") LONG 97.199(97 11'56") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR M-BN-YL ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 25

REMARKS:
 1-38 GRAND FORKS, S.W. 7.5' TOPO, SAMPLE TAKEN 35 M. UPSTREAM OF ROAD, 20. M. INTERVAL FROM SOUTHERLY BEND IN BED;
 1-60, SOIL, ROW CROPS;

501760 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE 2 MAP NL1403 SITE 0760 TIME TAKEN 16/24/07/79 AIR TEMP(C) + 32.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.822(47 49'19") LONG 97.150(97 9' 0") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 25

REMARKS:
 1-38 GRAND FORKS, S.W. 7.5' TOPO, SAMPLE TAKEN 50M. UPSTREAM OF ROAD, 20M. INTERVAL FROM START OF GROVE;
 1-60, SOIL, ROW CROPS;

501761 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE 2 MAP NL1403 SITE 0761 TIME TAKEN 17/24/07/79 AIR TEMP(C) + 32.0 WEATHER LT WIND-PT CLDY
 LOCATION: LAT 47.840(47 50'24") LONG 97.226(97 13'33") RELIEF FLAT VEGETATION GRASS-DENSE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.50
 WATER: WIDTH(M) 1.00 DEPTH(M) 0.25 LEVEL NORMAL
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 20

REMARKS:
 1-38 GRAND FORKS SW 7.5' TOPO, SAMPLE TAKEN 55 M. UPSTREAM OF ROAD, 20 M. INTERVAL FROM 2ND TRACTOR CROSSING;
 1-60, ROW CROPS, SOIL;

501762 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE 2 MAP NL1403 SITE 0762 TIME TAKEN 15/27/07/79 AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 LOCATION: LAT 47.956(47 57'21") LONG 97.056(97 3'21") RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.25
 WATER: WIDTH(M) 3.00 DEPTH(M) 0.50 LEVEL LOW
 SURFACE GEOL UNIT QAL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 45

REMARKS:
 1-38 GRAND FORKS 7.5' TOPO, SAMPLE TAKEN 30M. UPSTREAM OF BRIDGE, 20 M. INTERVAL FROM WESTERLY BEND IN BED;
 1-60, SOIL, ROW CROPS, REFUSE, URBAN;

501763 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE G MAP NL1403 SITE 0763 TIME TAKEN 12/24/07/79 AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 LOCATION: LAT 47.766(47 45'57") LONG 96.780(96 46'48") RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 3.00 DEPTH(M) 0.50 LEVEL LOW
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-BK-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 35

REMARKS:
 1-38 FISHER 7.5' TOPO, SAMPLE TAKEN 35 M. DOWNSTREAM OF OLD BARN, 20 M. INTERVAL FROM EASTERLY BEND IN BED;
 1-60, SOIL, ROW CROPS, EXCAVATION UPSTREAM;

501764 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE 2 MAP NL1403 SITE 0764 TIME TAKEN 12/24/07/79 AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 LOCATION: LAT 47.765(47 45'54") LONG 96.785(96 47' 6") RELIEF FLAT VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 40

REMARKS:
 1-38 FISHER 7.5' TOPO, SAMPLE TAKEN 180M DOWNSTREAM OF ROAD, 20M INTERVAL FROM WIDE EASTERLY BEND IN BED;
 1-60 SOIL, ROW CROPS;

501765 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE 2 MAP NL1403 SITE 0765 TIME TAKEN 12/24/07/79 AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.781(47 48' 51") LONG 96.965(96 57' 54") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 1.00 DEPTH(M) 0.25 LEVEL LOW
 SURFACE GEOL UNIT QAL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-BK-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 BYGLAND 7.5' TOPO, SAMPLE TAKEN 190M DOWNSTREAM OF ROAD, 20M INTERVAL FROM WESTERLY BEND IN BED;
 1-60 SOIL, ROW CROPS;

501766 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE 2 MAP NL1403 SITE 0766 TIME TAKEN 13/24/07/79 AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.802(47 48' 7") LONG 96.986(96 59' 9") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 2.00 DEPTH(M) 0.25 LEVEL LOW
 SURFACE GEOL UNIT QAL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 35

REMARKS:

1-38 BYGLAND 7.5' TOPO, SAMPLE TAKEN 30M UPSTREAM OF ROAD, 20M INTERVAL FROM EASTERLY BEND IN BED;
 1-60 SOIL, ROW CROPS;

501767 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE G MAP NL1403 SITE 0767 TIME TAKEN 13/24/07/79 AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.809(47 48' 32") LONG 96.932(96 55' 55") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 WATER: WIDTH(M) 3.00 DEPTH(M) 0.25 LEVEL POOLS
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-BK-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 35

REMARKS:

1-38 BYGLAND 7.5' TOPO, SAMPLE TAKEN 80M UPSTREAM OF ROAD, 20M INTERVAL FROM 3RD POOL;
 1-60 SOIL, ROW CROPS;

501768 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB
 PHASE G MAP NL1403 SITE 0768 TIME TAKEN 14/24/07/79 AIR TEMP(C) + 32.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.863(47 51' 46") LONG 96.929(96 55' 44") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 3.00 DEPTH(M) 0.25 LEVEL LOW
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-BK-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 35

REMARKS:

1-38 BYGLAND 7.5' TOPO, SAMPLE TAKEN 25M UPSTREAM FROM LINE TO HOUSE, 20M INTERVAL AT SSH BEND IN BED;
 1-60 SOIL, ROW CROPS, REFUSE;

501769 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0769 TIME TAKEN 14/26/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.759 (47 45' 32") LONG 96.963 (96 57' 46") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROHMOS/CM) 2000 DISSOLVED OXYGEN (PPH) 3.7
 WATER TEMP (C) + 8.8 VISIBILITY (M) CLEAR PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 488 P ALKALINITY (PPH) 25 H ALKALINITY (PPH) 492
 APPEARANCE CLEAR DISCHARGE (L/M) 30.00
 PRODUCING HORIZON QAL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DUG POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 10 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH (M) 10 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 BYGLAND 7.5' TOPO, SAMPLE TAKEN FROM PUMP 10M NORTH OF LARGE RED BARN, WELL DIRECTLY BELOW PUMP;
 1-60 ROW CROPS, STOCK;
 1-78 EDWARD A. HANSON & THOMPSON, NORTH DAKOTA & 58278;
 3-28 COMING FROM QUICKSAND;

501770 TYPE WELL WATER REPLICATE SAMPLER ADB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0770 TIME TAKEN 14/26/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.759 (47 51' 32") LONG 96.999 (96 59' 56") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROHMOS/CM) 740 DISSOLVED OXYGEN (PPH) 5.9
 WATER TEMP (C) + 13.9 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 520 P ALKALINITY (PPH) 25 H ALKALINITY (PPH) 500
 APPEARANCE CLEAR DISCHARGE (L/M) 6.00
 PRODUCING HORIZON QAL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DUG POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD 35 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 9 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 9 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 BYGLAND 7.5' TOPO, SAMPLE TAKEN FROM FAUCET AT KITCHEN SINK, WELL LOCATED 35M SSE OF HOUSE IN CENTER OF CIRCULAR DRIVEWAY;
 1-60 RIVER, PUMP;
 1-78 JAMES CLARK & GRAND FORKS, NORTH DAKOTA & 58201;

501771 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER CALM-PT CLDY
 PHASE 2 MAP NL1403 SITE 0771 TIME TAKEN 10/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.834 (47 50' 2") LONG 96.585 (96 35' 6") CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC)
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH (M) DEPTH (M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR L-WH-YL ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 CROOKSTON 15' TOPO, SAMPLE TAKEN 25M UPSTREAM, 20M INTERVAL FROM SOUTHERLY BEND IN BED;
1-60 ROW CROPS, SOIL; RAILROAD TRACKS;

501772 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0772 TIME TAKEN 11/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.965 (47 57'54") LONG 96.705 (96 42'18") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 CROOKSTON 15' TOPO, SAMPLE TAKEN 95M UPSTREAM OF ROAD, 20M INTERVAL FROM SOUTHERLY BEND IN BED;
1-60 ROW CROPS, SOIL;

501782 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0782 TIME TAKEN 14/28/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.790 (47 47'24") LONG 97.915 (97 54'54") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
WATER: WIDTH(M) 8.00 DEPTH(M) 0.25 LEVEL POOLS
SURFACE GEOL UNIT QGO RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 55

REMARKS:

1-38 NIAGARA S.W. 7.5' TOPO, SAMPLE TAKEN 35M UPSTREAM OF ROAD, 20M INTERVAL FROM 2ND REED PATCH;
1-60 SOIL, ROW CROPS, GRAVEL PIT;

501783 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE G MAP NL1403 SITE 0783 TIME TAKEN 15/31/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.804 (47 48'14") LONG 97.839 (97 50'20") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
WATER: WIDTH(M) 2.00 DEPTH(M) 0.50 LEVEL LOW
SURFACE GEOL UNIT QGO RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN 40M UPSTREAM OF ROAD, 20M INTERVAL FROM EASTERN BEND IN BED;
1-60 ROW CROPS, REFUSE, SOIL;

501784 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0784 TIME TAKEN 14/28/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.823 (47 49'22") LONG 97.776 (97 46'33") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN 25M UPSTREAM OF ROAD, 20M INTERVAL FROM SOUTHERLY BEND IN BED;
 1-60 SOIL, ROW CROPS;

501785 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0785 TIME TAKEN 15/28/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.853(47 51' 10") LONG 97.798(97 47' 52") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN 25M UPSTREAM OF ROAD, 20M INTERVAL FROM BSW BEND IN BED;
 1-60 SOIL, ROW CROPS;

501786 TYPE STREAM SEDIMENT REPLICATE SAMPLER ADB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0786 TIME TAKEN 15/28/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.868(47 52' 4") LONG 97.798(97 47' 52") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 LOGAN CENTER 7.5' TOPO, SAMPLE TAKEN 75M WEST OF ROAD, 20M INTERVAL FROM FENCE LINE;
 1-60 STOCK, SOIL, ROW CROPS;

501801 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER CALM-PT CLDY
 PHASE 2 MAP NL1403 SITE 0801 TIME TAKEN 11/27/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.544(47 32' 38") LONG 97.417(97 25' 1") CONTAMINANTS NONE

SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR L-BN-YL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1810 DISSOLVED OXYGEN(PPM) 4.5
 WATER TEMP(C) + 9.3 VISIBILITY(M) 2.00 PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 958 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 966
 APPEARANCE MURKY DISCHARGE(L/M) 10.00 SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING PLASTIC PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE IRRIGATION PUMPING FREQUENCY INFREQUENT

DEPTH TO PROD HORIZON(M) 28 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH(M) 28 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 HATTON SW 7.5' MAP, SAMPLE FROM PUMP 30M NE OF HOUSE, WELL BELOW IT;
 1-78 AGNES C. BRAATEN, & PORTLAND N.D. 58274;

501802 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0802 TIME TAKEN 11/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.532(47 31'55") LONG 97.470(97 28'12") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 80105 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4390 DISSOLVED OXYGEN(PPM) 6.0
 WATER TEMP(C) + 9.4 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 460 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 442
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HATTON SW 7.5' MAP, SAMPLE FROM PIPE IN CORAL 3M E. OF BARN, WELL 30M N.E. OF HOUSE;
 1-60 BARLEY, WHEAT, PINTO BEANS;
 1-78 ROLF BERG & PORTLAND, N.D. 58274;
 3-20 HOOD;

501803 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL 1403 SITE 0803 TIME TAKEN 12/27/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.687(47 41'13") LONG 97.458(97 27'28") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 80105 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1170 DISSOLVED OXYGEN(PPM) 9.1
 WATER TEMP(C) + 10.1 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 296 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 304
 APPEARANCE CLEAR DISCHARGE(L/M) 5.00
 PRODUCING HORIZON QPL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE HOUSE/IRRIG. PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 7 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 7 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE FROM PUMP 20M. N. OF HOUSE, WELL BENEATH;
 1-78 ODIN JOHNSON & HATTON, N.D. 58240;
 3-20 CONCRETE;

501804 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0804 TIME TAKEN 13/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.704 (47 42'14") LONG 97.475 (97 28'30") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QPL RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.10 LEVEL LOW
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START 10M. BEFORE REEDS, OVER 14M. INTERVAL;
 1-60 WHEAT;

501805 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 23.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0805 TIME TAKEN 14/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.715 (47 42'54") LONG 97.458 (97 27'28") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 670 DISSOLVED OXYGEN(PPM) 6.4
 WATER TEMP(C) + 16.4 VISIBILITY(M) CLEAR PH 7.5 TO-TON PAPER
 TOTAL ALKALINITY(PPM) 368 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 382
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 7 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 7 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE FROM FAUCET 30M. W. OF HOUSE, WELL 5M. E. OF BARN;
 1-60 BARLY, PINTO BEANS, SUNFLOWERS;
 1-78 ROBERT OPDAHL & NORTHWOOD N.D. 58267;
 3-20 BRICK;

501806 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0806 TIME TAKEN 14/27/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.716 (47 42'57") LONG 97.460 (97 27'36") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QPL RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) 3.00 DEPTH(M) 0.20 LEVEL LOW
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE 35M. UPSTREAM OF ROAD, START AT REEDS, OVER 20M. INTERVAL;
 1-60 BARLEY, WHEAT;

501807 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-RAINY

PHASE 2 MAP NL1403 SITE 0807 TIME TAKEN 15/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.717(47 43' 1") LONG 97.408(97 24' 28") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2320 DISSOLVED OXYGEN(PPM) 8.0
 WATER TEMP(C) + 8.1 VISIBILITY(M) CLEAR PH 7.7 LON-PAPER
 TOTAL ALKALINITY(PPM) 302 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 328
 APPEARANCE CLEAR DISCHARGE(L/H) 10.00
 PRODUCING HORIZON QPL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK NONE USE HOUSE/STOCK PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 7 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 7 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE FROM PUMP 50M. NE OF HOUSE, WELL BENEATH PUMP IN FIELD;
 1-60 WHEAT, SUNFLOWERS, SURFACE WATER;
 1-78 GARY OFFERDAHL & HATTON N.D. 58240;
 3-20 CEMENT;

501808 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0808 TIME TAKEN 15/27/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.685(47 41' 6") LONG 97.417(97 25' 1") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2620 DISSOLVED OXYGEN(PPM) 7.1
 WATER TEMP(C) + 8.1 VISIBILITY(M) CLEAR PH 7.3 LON-PAPER
 TOTAL ALKALINITY(PPM) 340 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 344
 APPEARANCE CLEAR DISCHARGE(L/H) 5.00
 PRODUCING HORIZON QPL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE FROM PUMP 15M. S. OF HOUSE, WELL BELOW IT;
 1-60 WHEAT FIELD 30M. S.
 1-78 MARTIN HANSON & HATTON N.D. 58240;
 3-20 CEMENT;

501809 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PJ CLDY
 PHASE 2 MAP NL1403 SITE 0809 TIME TAKEN 16/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.711(47 42' 39") LONG 97.967(97 58' 1") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP(C) + 8.5
 TOTAL ALKALINITY (PPH) 390
 APPEARANCE CLEAR
 PRODUCING HORIZON KGMP

CONDUCTIVITY (MICROMHOS/CM) 2470
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPH) <5
 DISCHARGE (L/M) 20.00
 CONFIDENCE HIGH

DISSOLVED OXYGEN (PPH) 7.7
 PH 7.4 LO-ION PAPER
 H ALKALINITY (PPH) 400

SOURCE PUBLICATION

WELL INFORMATION:
 TYPE DUG
 METERS FROM HEAD 1
 DEPTH TO PROD HORIZON (M) 28
 WELL DEPTH (M) 28

POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK NONE
 CONFIDENCE OF PRODUCING DEPTH HIGH
 CONFIDENCE OF WELL DEPTH HIGH

CASING OTHER
 USE STOCK
 SOURCE OF PRODUCING INFORMATION PUBLICATION
 SOURCE OF DEPTH INFORMATION PUBLICATION

PIPE COMPOSITION GALVANIZED
 PUMPING FREQUENCY FREQUENT

REMARKS:
 1-38 ANETA 7.5' MAP, SAMPLE 50M. NW. OF SILVER STORAGE HOUSE, WELL IN RED PUMP HOUSE;
 1-60 WHEAT, BARLEY, SUNFLOWERS;
 1-78 FREEMAN JOHNSON & ANETA, N.D. 58212;
 3-20 CONCRETE;

501810 TYPE WELL WATER REPLICATE SAMPLER RLB
 PHASE 2 MAP NL1403 SITE 0810 TIME TAKEN 17/27/07/79
 LOCATION: LAT 47.716 (47 42' 57") LONG 97.887 (97 53' 13")
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 24.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURAL

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE
 WATER TEMP(C) + 7.2
 TOTAL ALKALINITY (PPH) 346
 APPEARANCE CLEAR
 PRODUCING HORIZON OPG

CONDUCTIVITY (MICROMHOS/CM) 2510
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPH) <5
 DISCHARGE (L/M) 10.00
 CONFIDENCE HIGH

DISSOLVED OXYGEN (PPH) 5.7
 PH 7.3 LO-ION PAPER
 H ALKALINITY (PPH) 348

SOURCE PUBLICATION

WELL INFORMATION:
 TYPE DRILLED
 METERS FROM HEAD 2
 DEPTH TO PROD HORIZON (M) 12
 WELL DEPTH (M) 15

POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK NONE
 CONFIDENCE OF PRODUCING DEPTH POSSIBLE
 CONFIDENCE OF WELL DEPTH HIGH

CASING OTHER
 USE HOUSEHOLD
 SOURCE OF PRODUCING INFORMATION GEOL INFERENCE
 SOURCE OF DEPTH INFORMATION PUBLICATION

PIPE COMPOSITION GALVANIZED
 PUMPING FREQUENCY FREQUENT

REMARKS:
 1-38 ANETA 7.5' MAP, SAMPLE FROM PIPE IN TROUGH, WELL 30M. NE OF HOUSE;
 1-60 WHEAT, NUCLEAR MISSILE SILO 2KM;
 1-78 PERRY SATHER & ANETA N.D. 58212;
 3-20 WOOD;

501811 TYPE WELL WATER REPLICATE SAMPLER RLB
 PHASE 2 MAP NL1403 SITE 0811 TIME TAKEN 18/27/07/79
 LOCATION: LAT 47.715 (47 42' 54") LONG 97.847 (97 50' 49")
 SURFACE GEOL UNIT OGO RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 23.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURAL

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE
 WATER TEMP(C) + 17.1
 TOTAL ALKALINITY (PPH) 538
 APPEARANCE CLEAR
 PRODUCING HORIZON OGO

CONDUCTIVITY (MICROMHOS/CM) 1180
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPH) <5
 DISCHARGE (L/M) 20.00
 CONFIDENCE PROBABLE

DISSOLVED OXYGEN (PPH) 3.0
 PH 7.5 LO-ION PAPER
 H ALKALINITY (PPH) 522

SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	COPPER
METERS FROM HEAD	10	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY
DEPTH TO PROD HORIZON(M)	3	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE	
WELL DEPTH(M)	3	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 FINLEY NE 7.5' MAP, SAMPLE FROM FAUCET ON S. SIDE OF HOUSE, WELL 20M. S.W. OF NE HOUSE;
 1-60 WHEAT;
 1-78 TED SKURDELL & ANETA N.D. 58212;
 3-20 CONCRETE;

501812 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 23.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0812 TIME TAKEN 19/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.718(47 43' 4") LONG 97.766(97 45' 57") CONTAMINANTS AGRICULTURAL
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL - -ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	800	DISSOLVED OXYGEN(PPM)	2.9
WATER TEMP(C)	+ 8.7	VISIBILITY(M)	CLEAR	PH	7.7 LO-ION PAPER
TOTAL ALKALINITY(PPM)	390	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	386
APPEARANCE	CLEAR	DISCHARGE(L/M)	20.00	SOURCE	PUBLICATION
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	7	WITH RESPECT TO PRESSURE TANK	NONE	USE	NONE	PUMPING FREQUENCY
DEPTH TO PROD HORIZON(M)	15	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE	
WELL DEPTH(M)	15	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 FINLEY NE 7.5' MAP, SAMPLE FROM PIPE 30M. NE OF HOUSE, WELL 2M. S. OF BARN;
 1-60 WHEAT, BARLEY, SUNFLOWERS;
 1-78 PETERSN & NORTHWOOD, N.D. 58267;

501813 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0813 TIME TAKEN 11/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.528(47 31' 40") LONG 97.809(97 48' 32") CONTAMINANTS AGRICULTURAL
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL - -ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1350	DISSOLVED OXYGEN(PPM)	3.8
WATER TEMP(C)	+ 10.8	VISIBILITY(M)	CLEAR	PH	7.7 LO-ION PAPER
TOTAL ALKALINITY(PPM)	470	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	502
APPEARANCE	CLEAR	DISCHARGE(L/M)	30.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	PROBABLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	10	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK/JRRLG	PUMPING FREQUENCY
DEPTH TO PROD HORIZON(M)	13	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE	
WELL DEPTH(M)	13	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 FINLEY 7.5' MAP, SAMPLE FROM FAUCET IN SE CORNER OF BARN, WELL E. OF BARN;
 1-60 HAY;
 1-78 ORVID MICKERSON & FINLEY N.D. 58230;

501814 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0814 TIME TAKEN 12/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.515(47 30'54") LONG 97.902(97 54' 7") CONTAMINANTS OTHER SAMPLE COLOR U-PL-FOR ODOR NONE
 SURFACE GEOL UNIT GPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 650 DISSOLVED OXYGEN(PPM) 4.6
 WATER TEMP(C) + 15.3 VISIBILITY(M) CLEAR PH 7.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 306 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 298
 APPEARANCE CLEAR DISCHARGE(L/H) 20.00
 PRODUCING HORIZON KGMP CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK FROM USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 40 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 40 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 SHARON 7.5' MAP, SAMPLE FROM FAUCET IN BASEMENT N.E. CORNER, WELL BURIED 5M. N. OF HOUSE;
 1-60 SUBMERSIBLE PUMP;
 1-78 JOYCE JERSTAD & FINLEY, N.D. 58230;
 3-25 FROM BASE OF TANK;

501815 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0815 TIME TAKEN 13/28/07/79 RELIEF MODERATE VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.516(47 30'57") LONG 97.974(97 58'26") CONTAMINANTS NONE SAMPLE COLOR - -CL- ODOR NONE
 SURFACE GEOL UNIT KRET RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1130 DISSOLVED OXYGEN(PPM) 5.5
 WATER TEMP(C) + 10.6 VISIBILITY(M) CLEAR PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 308 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 304
 APPEARANCE CLEAR DISCHARGE(L/H) 5.00
 PRODUCING HORIZON KRET CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK NONE USE MUNICIPAL PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 8 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 8 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION USER

REMARKS:

1-38 SHARON 7.5' MAP, SAMPLE PUMP 10M. N. OF ROAD, WELL 2M. S. OF FENCE;
 1-78 KERMIT CARLSON & FINLEY N.D. 58230;
 3-20 CONCRETE;

501817 TYPE STREAM SEDIMENT REPLICATE SAMPLER RUB
 PHASE 2 MAP NL1403 SITE 0817 TIME TAKEN 14/28/07/79 AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.529 (47 31'44") LONG 97.984 (97 59' 2") CONTAMINANTS NONE STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT KRET RESULTS REQ NO, RELEASED BOTOTS WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 35

REMARKS:
 1-38 SHARON 7.5' MAP, SAMPLE 25M. UPSTREAM OF ROAD, START AT FENCE, OVER 20M. INTERVAL;

501818 TYPE WELL WATER REPLICATE SAMPLER RUB
 PHASE 2 MAP NL1403 SITE 0818 TIME TAKEN 15/28/07/79 AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.576 (47 34'33") LONG 97.977 (97 58'15") CONTAMINANTS AGRICULTURAL
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED BOTOTS SAMPLE COLOR L-YL-BN ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4380 DISSOLVED OXYGEN(PPM) 11.5
 WATER TEMP(C) + 9.5 VISIBILITY(M) 2.00 PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 370 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 362
 APPEARANCE MURKY DISCHARGE(L/M) 5.00 SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK NONE USE STOCK/PILING PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 15 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 15 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 SHARON 7.5' MAP, SAMPLE PUMP 5M. S.W. OF BARN, WELL 30M. W. OF HOUSE;
 1-60 WHEAT, FLAX, BARLEY;
 1-78 ALEX CURRY & SHARON N.D. 58277;

501819 TYPE WELL WATER REPLICATE SAMPLER RUB
 PHASE 2 MAP NL1403 SITE 0819 TIME TAKEN 15/28/07/79 AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.610 (47 36'36") LONG 97.973 (97 58'22") CONTAMINANTS AGRICULTURAL
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED BOTOTS SAMPLE COLOR U-GY-BK ODOR H2S

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1720 DISSOLVED OXYGEN(PPM) 3.3
 WATER TEMP(C) + 11.0 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 504 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 482
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00 SOURCE PUBLICATION
 PRODUCING HORIZON QPG CONFIDENCE HIGH

WELL INFORMATION:
 TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 2 HIGH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 13 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 13 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 SHARON 7.5' MAP, SAMPLE FAUCET 20M. W. OF HOUSE, WELL BENEATH CEMENT TOP;
 1-60 WHEAT;
 1-78 HARLAN FOSSE & SHARON N.D. 58277;
 3-20 CONCRETE;

501820 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0820 TIME TAKEN 16/28/07/79 RELIEF GENTLE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.561 (47 33' 39") LONG 97.879 (97 52' 44") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ NO , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 530 DISSOLVED OXYGEN(PPM) 3.6
 WATER TEMP(C) + 14.0 VISIBILITY(M) CLEAR PH 8.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 392 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 384
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00 SOURCE GEOL. INFERENCE
 PRODUCING HORIZON OPG CONFIDENCE PROBABLE

WELL INFORMATION:

TYPE DRIVE POINT POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE MUNICIPAL PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 26 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 26 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION USER

REMARKS:

1-38 SHARON 7.5' MAP, NO ADDRESS SAMPLE FROM FAUCET ON N. SIDE OF CLUBHOUSE, WELL 2M. N.

501821 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0821 TIME TAKEN 17/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.579 (47 34' 44") LONG 97.834 (97 50' 2") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1360 DISSOLVED OXYGEN(PPM) 5.7
 WATER TEMP(C) + 11.2 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 360 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 366
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00 SOURCE PUBLICATION
 PRODUCING HORIZON OPG CONFIDENCE HIGH

WELL INFORMATION:

TYPE OTHER POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK AFTER USE ALL TYPES PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 12 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 12 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 FINLEY 7.5' MAP, SAMPLE FROM FAUCET 30M E. OF HOUSE ON PUMP HOUSE, WELL IN PUMP HOUSE;
 1-60 BARLEY, WHEAT, SUBMERSIBLE;
 1-78 ALVIN NYGARD & NYGAARD, ND 58277;
 3-18 BORED;
 3-20 CONCRETE;

501822 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0822 TIME TAKEN 17/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.596(47 35'45") LONG 97.815(97 48'54") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) 0.50 DEPTH(M) 0.20 LEVEL POOLS
 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 FINLEY 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START UPSTREAM OF TREE, OVER 20M. INTERVAL;
 1-60 SUNFLOWERS;

501823 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0823 TIME TAKEN 18/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.573(47 34'22") LONG 97.772(97 46'19") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4670 DISSOLVED OXYGEN(PPM) 5.8
 WATER TEMP(C) + 9.5 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 600 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 618
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 18 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH(M) 18 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 FINLEY 7.5' MAP, SAMPLE FROM FAUCET 40M. S.W. OF HOUSE, WELL NEXT TO CORAL;
 1-60 HAY;
 1-78 JEROME LESLIE & FINLEY, N.D. 58230;
 3-20 CONCRETE;

501824 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0824 TIME TAKEN 18/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.523(47 31'22") LONG 97.773(97 46'22") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2750 DISSOLVED OXYGEN(PPM) 10.2
 WATER TEMP(C) + 14.3 VISIBILITY(M) CLEAR PH 7.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 360 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 342
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 15 WITH RESPECT TO PRESSURE TANK AFTER USE IRRIGATION PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE

WELL DEPTH(M) TO CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 FINLEY 7.5' MAP, SAMPLE FAUCET ON S. SIDE OF HOUSE, WELL 15M. SW OF HOUSE;
 1-60 WHEAT, SUNFLOWERS;
 1-78 LYLE MIDSTOKKE & RURAL RTE 1 & FINLEY, N.D. 58230;
 3-20 CONCRETE;

501825 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0825 TIME TAKEN 11/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.000 (47 0' 0") LONG 97.452 (97 27' 7") CONTAMINANTS URBAN STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 1.00 DEPTH(M) 0.40 LEVEL LOW
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 AYR 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START AT BEGINNING OF STRAIGHT SECTION OVER 20M. INTERVAL;
 1-60 TOWN OF AYR;

501826 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0826 TIME TAKEN 12/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.004 (47 0' 14") LONG 97.389 (97 23' 20") CONTAMINANTS MINING STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 1.00 DEPTH(M) 0.10 LEVEL LOW
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 20

REMARKS:

1-38 AYR 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START AT LARGE TREE ON N. BANK, OVER 20M. INTERVAL;
 1-60 GRAVEL PITS 1 KM UPSTREAM;

501827 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0827 TIME TAKEN 12/29/07/79 RELIEF GENTLE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.047 (47 2' 49") LONG 97.346 (97 20' 45") CONTAMINANTS MINING STREAM FLOW(M/SEC) 0.20
 WATER: WIDTH(M) 0.10 DEPTH(M) 0.10 LEVEL LOW
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 15

REMARKS:

1-38 AYR SE 7.5' MAP, SAMPLE 30M. UPSTREAM OF BRIDGE, START WHERE GULLY ENTERS N., OVER 25M. INTERVAL;
 1-60 GRAVEL PITS 2KM. UPSTREAM, SUNFLOWERS;

501828 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0828 TIME TAKEN 13/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE

LOCATION: LAT 47.075 (47 4' 30") LONG 97.367 (97 22' 1")
 CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015
 WATER: WIDTH(M) 1.00 STREAM FLOW(M/SEC) NONE
 DEPTH(M) 0.40 LEVEL LOW
 BED MATERIAL SILT SAMPLE: COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 AYR SE 7.5' MAP, SAMPLE 40M. UPSTREAM OF ROAD, START ABOVE BUSHES, OVER 10M. INTERVAL;
 1-60 SUNFLOWERS;

501829 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0829 TIME TAKEN 14/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.092 (47 5' 31") LONG 97.367 (97 22' 1")
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 AYR SE 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START 20M. UPSTREAM OF FENCE, OVER 20M. INTERVAL;
 1-60 WHEAT, TOWN OF ERLE;

501830 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0830 TIME TAKEN 14/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.138 (47 8' 16") LONG 97.349 (97 20' 56")
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR M-OR-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 AYR NE 7.5' MAP, SAMPLE 50M. UPSTREAM OF ROAD, START ONE THIRD UP THE STRAIGHT SECTION, OVER 25M. INTERVAL;
 1-60 SUN FLOWERS;

501831 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0831 TIME TAKEN 15/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.168 (47 10' 4") LONG 97.409 (97 24' 32")
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QPL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 AYR NW 7.5' MAP, SAMPLE 100M. UPSTREAM OF ROAD, START IN LARGE POOL, OVER 20M. INTERVAL;
 1-60 WHEAT;

501832 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0832 TIME TAKEN 16/29/07/79 RELIEF GENTLE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.181(47 10'51") LONG 97.420(97 25'12") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 AYR NW 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START WITH BIN W., OVER 20M. INTERVAL;
 1-60 WHEAT;

501833 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0833 TIME TAKEN 16/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.194(47 11'38") LONG 97.431(97 25'51") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 AYR NW 7.5' MAP, SAMPLE 25M. UPSTREAM OF ROAD, START 5M. UPSTREAM OF WIRES, OVER 10M. INTERVAL;
 1-60 SUN FLOWER FIELD;

501834 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER -OVERCAST
 PHASE 2 MAP NL1403 SITE 0834 TIME TAKEN 17/29/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.232(47 13'55") LONG 97.410(97 24'36") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QPL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 0.50 DEPTH(M) 0.10 LEVEL POOLS
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 50

REMARKS:

1-38 AYR NW 7.5' MAP, SAMPLE 30M. UPSTREAM OF TRACKS, START ABOVE POOL, OVER 20M. INTERVAL;
 1-60 SUN FLOWERS;

501835 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0835 TIME TAKEN 17/29/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.243(47 14'34") LONG 97.411(97 24'39") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 690 DISSOLVED OXYGEN(PPM) 4.1
 WATER TEMP(C) + 11.6 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 280 P. ALKALINITY(PPM) <5 M. ALKALINITY(PPM) 282
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION GALVANIZED
METERS FROM HEAD	2	WITH RESPECT TO PRESSURE TANK	AFTER	USE STOCK	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M)	33	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	PUBLICATION
WELL DEPTH(M)	33	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	PUBLICATION

REMARKS:

1-38 AYR NW 7.5' MAP, SAMPLE FAUCET 30M S. OF HOUSE, WELL BENEATH WINDMILL;
 1-78 MRS. PAULEEN RUST & RURAL RTE. & GALESBURG ND 58035;
 3-20 CONCRETE;

501836	TYPE WELL WATER	REPLICATE	SAMPLER RLB	AIR TEMP(C) + 24.0	WEATHER LT WIND-OVERCST
	PHASE 2 MAP NL1403	SITE 0836	TIME TAKEN 18/29/07/79	RELIEF LOW	VEGETATION GRASS-MODERATE
	LOCATION: LAT 47.238 (47 14' 16")	LONG 97.353 (97 21' 10")		CONTAMINANTS AGRICULTURA	
	SURFACE GEOL UNIT QPG	RESULTS REQ YES	RELEASED 801015		SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY(MICROMHOS/CM)	440	DISSOLVED OXYGEN(PPM)	2.8
WATER TEMP(C) + 15.0	VISIBILITY(M)	CLEAR	PH 7.2	LO-ION PAPER
TOTAL ALKALINITY(PPM) 314	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	318
APPEARANCE CLEAR	DISCHARGE(L/M)	15.00		
PRODUCING HORIZON QPG	CONFIDENCE	PROBABLE	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING GALVANIZED	PIPE COMPOSITION COPPER
METERS FROM HEAD	3	WITH RESPECT TO PRESSURE TANK	AFTER	USE IRRIGATION	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M)	14	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	PUBLICATION
WELL DEPTH(M)	14	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	PUBLICATION

REMARKS:

1-38 AYR NE 7.5' MAP, SAMPLE FROM FAUCET ON N. SIDE OF HOUSE, WELL ON N.E. CORNER UNDER A BUSH;
 1-60 SUNFLOWERS, WHEAT, BARLEY;
 1-78 MRS. JUNELLE MOEN, & GALESBURG N.D. 58035;

501837	TYPE WELL WATER	REPLICATE	SAMPLER RLB	AIR TEMP(C) + 23.0	WEATHER -OVERCST
	PHASE 2 MAP NL1403	SITE 0837	TIME TAKEN 10/30/07/79	RELIEF LOW	VEGETATION DECIDUOUS-MODERATE
	LOCATION: LAT 47.613 (47 36' 46")	LONG 97.819 (97 49' 8")		CONTAMINANTS AGRICULTURA	
	SURFACE GEOL UNIT QGO	RESULTS REQ YES	RELEASED 801015		SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY(MICROMHOS/CM)	2920	DISSOLVED OXYGEN(PPM)	4.2
WATER TEMP(C) + 8.1	VISIBILITY(M)	CLEAR	PH 7.1	LO-ION PAPER
TOTAL ALKALINITY(PPM) 376	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	388
APPEARANCE CLEAR	DISCHARGE(L/M)	15.00		
PRODUCING HORIZON QPG	CONFIDENCE	POSSIBLE	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING STEEL	PIPE COMPOSITION GALVANIZED
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	NONE	USE STOCK	PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON(M)	20	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	20	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 FINLEY 7.5' MAP, SAMPLE PIPE IN TROUGH 30M. W. OF HOUSE, WELL 2M. E. OF BARN;
 1-60 WHEAT, BARLEY;
 1-78 JULIAN JOHNSON & RURAL RTE & SHARON, N.D. 58277;

501838 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER OVERCAST
 PHASE 2 MAP NL1403 SITE 0838 TIME TAKEN 11/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.616 (47 36'57") LONG 97.876 (97 52'33") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1750 DISSOLVED OXYGEN (PPM) 3.4
 WATER TEMP(C) + 14.2 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 380 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 398
 APPEARANCE CLEAR DISCHARGE(L/M) 5.00 SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE

WELL INFORMATION:

TYPE OTHER POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK NONE USE IRRIGATION PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 20 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 20 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 SHARON 7.5' MAP, SAMPLE BY 1 LITER BOTTLE FROM WELL, WELL 20M. NE OF HOUSE;
 1-38 N.O. NERDAHL & SHARON, N.D. 58277;
 1-60 SUN FLOWERS, SURFACE WATER;
 3-18 BORED;
 3-20 CONCRETE;

501839 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0839 TIME TAKEN 12/30/07/79 RELIEF MODERATE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.616 (47 36'57") LONG 97.875 (97 52'30") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 SHARON 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START AT TREES, OVER 20M. INTERVAL;
 1-60 WHEAT;

501840 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0840 TIME TAKEN 13/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.660 (47 39'36") LONG 97.900 (97 54' 0") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 5630 DISSOLVED OXYGEN (PPM) 6.3
 WATER TEMP(C) + 7.9 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 744 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 738

APPEARANCE CLEAR DISCHARGE(L/H) 40.00
 PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 20 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 20 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 SHARON T.5 MAP, SAMPLE 30M. E. OF HOUSE OUT OF PUMP, WELL BELOW WOODEN BOX;
 1-60 WHEAT, SUNFLOWERS, SURFACE WATER;
 1-78 JAMES KLOSTER & SHARON, N.D. 58277;
 3-20 HOOD:

501841 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0841 TIME TAKEN 13/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.661 (47 39'39") LONG 97.943 (97 56'34") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED BOTTS SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1030 DISSOLVED OXYGEN(PPM) 5.6
 WATER TEMP(C) + 7.6 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 424
 APPEARANCE CLEAR DISCHARGE(L/H) 2.00
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DUG POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 12 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 12 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 ANETA T.5 MAP, SAMPLE TAKEN BY LITER BOTTLE FROM WELL 40M. E. OF HOUSE, WELL 3M. S. OF BARN;
 1-60 SUNFLOWERS WHEAT, TOWN OF ANETA 4 KM;
 1-78 TOM BRAKKE & RURAL RTE & ANETA N.D. 58212;
 3-20 HOOD:

501842 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER -PT CLDY
 PHASE 2 MAP NL 1403 SITE 0842 TIME TAKEN 14/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.661 (47 39'39") LONG 97.825 (97 49'30") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QGO RESULTS REQ YES, RELEASED BOTTS SAMPLE: COLOR U-OR-YL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1210 DISSOLVED OXYGEN(PPM) 5.3
 WATER TEMP(C) + 12.1 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 524 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 528
 APPEARANCE MURKY DISCHARGE(L/H) 25.00
 PRODUCING HORIZON QGO CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE UNKNOWN POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION PLASTIC

METERS FROM HEAD 40 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK/TARRIG PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 9 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 FINLEY NE 7.5' MAP, SAMPLE FAUCET ON W. SIDE OF SHED 30M. N. OF HOUSE, WELL IN WHITE PUMP HOUSE 70M. N. OF HOUSE;
 1-60 WHEAT;
 1-78 EARL PALMER & SHARON N.D. 58277;

501843 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER -PT CLDY
 PHASE 2 MAP NL 1403 SITE 0843 TIME TAKEN 15/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.667 (47 40' 1") LONG 97.774 (97 46' 26") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED BOTOTS SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1100 DISSOLVED OXYGEN(PPM) 4.0
 WATER TEMP(C) + 7.5 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 590 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 582
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON OPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 100 WITH RESPECT TO PRESSURE TANK FROM USE HOUSEHOLD PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 FINLEY N.E. 7.5' MAP, SAMPLE FAUCET IN BASEMENT SE CORNER, WELL IN FIELD 100M. SE. OF HOUSE;
 1-60 WHEAT, BARLEY;
 1-78 RODNEY PETERSON & NORTHWOOD N.D.;
 3-20 CONCRETE;
 3-25 FROM BASE OF TANK;

501844 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0844 TIME TAKEN 16/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.629 (47 37' 44") LONG 97.772 (97 46' 19") CONTAMINANTS OTHER
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED B01015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1650 DISSOLVED OXYGEN(PPM) 3.9
 WATER TEMP(C) + 9.7 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 426
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 5 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 10 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 FINLEY 7.5' MAP, SAMPLE FROM HOSE 40M. W. OF HOUSE, WELL 20M. N. OF BINS;
1-60 SUBMERSIBLE PUMP, HOSE, WHEAT, SUNFLOWERS;
1-78 KEITH JOHNSON & SHARON, N.D. 58277;

501845 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0845 TIME TAKEN 10/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.151(47 9' 3") LONG 97.277(97 16' 3") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4460 DISSOLVED OXYGEN(PPM) 3.1
WATER TEMP(C) + 8.3 VISIBILITY(M) CLEAR PH 6.8 LO-ION PAPER
TOTAL ALKALINITY(PPM) 500 P ALKALINITY(PPM) <5 H ALKALINITY(PPM) 488
APPEARANCE CLEAR DISCHARGE(L/M) 20.00 SOURCE PUBLICATION
PRODUCING HORIZON QTL CONFIDENCE HIGH

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON(M) 8 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 8 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR NE 7.5' MAP, SAMPLE FROM HOSE 30M S. OF ROAD, WELL FLAT CEMENT TOP 15M. NW OF BINS;
1-60 WHEAT, SUNFLOWERS, HOSE;
1-78 KERMIT BRATHOLT & HUNTER, N.D. 58048;
3-20 BRICK;

501846 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0846 TIME TAKEN 11/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.165(47 9' 54") LONG 97.333(97 19' 58") CONTAMINANTS OTHER
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1180 DISSOLVED OXYGEN(PPM) 4.5
WATER TEMP(C) + 13.2 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY(PPM) 578 P ALKALINITY(PPM) <5 H ALKALINITY(PPM) 572
APPEARANCE CLEAR DISCHARGE(L/M) 20.00 SOURCE GEOL. INFERENCE
PRODUCING HORIZON QPG CONFIDENCE PROBABLE

WELL INFORMATION:

TYPE OTHER POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 4 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 15 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
WELL DEPTH(M) 50 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR NE 7.5' MAP, SAMPLE FROM FAUCET 40M. S. OF HOUSE, WELL BELOW WINDMILL;
1-60 SURFACE WATER, WHEAT;
1-78 DUANE DICKSON & HUNTER, N.D. 58048;
3-18 DUG FOR 40 FEET WHERE MOST WATER IS FROM, DRILLED THE REST;

501847 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0847 TIME TAKEN 12/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.145 (47 8'42") LONG 97.384 (97 23' 2") CONTAMINANTS OTHER
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 770 DISSOLVED OXYGEN (PPM) 3.8
 WATER TEMP(C) + 12.1 VISIBILITY (M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 358 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 372
 APPEARANCE CLEAR DISCHARGE (L/M) 15.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD 10 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 18 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH (M) 18 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 AYR NW 7.5' MAP, SAMPLE FROM KITCHEN SINK FAUCET OF OLD HOUSE, WELL 40M. S. OF OLD HOUSE;
 1-60 SUNFLOWERS, TOWN OF ERIE 5 K.M., SUBMERSTBLE PUMP;
 1-78 WENDELL BERNOT & ERIE, N.D. 58029;

501848 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0848 TIME TAKEN 12/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.110 (47 6'36") LONG 97.388 (97 23' 16") CONTAMINANTS URBAN
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 420 DISSOLVED OXYGEN (PPM) 5.9
 WATER TEMP(C) + 13.7 VISIBILITY (M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 320 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 332
 APPEARANCE CLEAR DISCHARGE (L/M) 15.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 10 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 15 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 15 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 AYR 7.5' MAP, SAMPLE KITCHEN SINK FAUCET, WELL 5M. W. OF HOUSE WITH RED TOP;
 1-60 TOWN OF ERIE;
 1-78 GORDON MCPHERSON & ERIE, N.D. 58029;

501849 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0849 TIME TAKEN 12/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.122 (47 7'19") LONG 97.477 (97 28' 37") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 740 DISSOLVED OXYGEN (PPM) 3.3

WATER TEMP(C) + 70.5 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 380 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 388
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 23 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR 7.5' MAP, SAMPLE FAUCET 80M. S. OF HOUSE, WELL 70M. N. OF BARN;
 1-60 SUNFLOWERS;
 1-78 KENNETH HICKELBERG, & RURAL RTE 1 BOX 109 & PAGE, N.D. 58064;

501850 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 28.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0850 TIME TAKEN 14/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.153(47 9'10") LONG 97.493(97 29'34") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 750 DISSOLVED OXYGEN(PPM) 6.5
 WATER TEMP(C) + 16.4 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 348 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 350
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 40 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 40 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR NH 7.5' MAP, SAMPLE FROM FAUCET 5M. N. OF HOUSE, WELL IN PUMP HOUSE JUST W.1;
 1-60 WHEAT, BARLEY;
 1-78 GEORGE HAGEN & PAGE, ND 58064;

501851 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0851 TIME TAKEN 14/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.195(47 11'42") LONG 97.488(97 29'16") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 470 DISSOLVED OXYGEN(PPM) 4.7
 WATER TEMP(C) + 12.0 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 318 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 324
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED

METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/TRACT PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 50 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 50 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR N.W. 7.5' MAP, SAMPLE TAKEN FROM FAUCET ON W. SIDE OF HOUSE, WELL 2M. W. OF HOUSE BURIED;
 1-60 WHEAT, SUNFLOWERS;
 1-78 WILLIAM LARSON & PAGE, N.D. 58064;

501852 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL 1403 SITE 0852 TIME TAKEN 15/23/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.239 (47 14'20") LONG 97.480 (97 28'48") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 970 DISSOLVED OXYGEN(PPM) 4.6
 WATER TEMP(C) + 15.2 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 526 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 532
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 55 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 55 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR NW 7.5' MAP, SAMPLE FROM FAUCET 20M. N.E. OF HOUSE, WELL N. WITH RED CAP;
 1-60 CORN, SUBMERSIBLE PUMP;
 1-78 DONALD OLSTAD & GALESBURG, ND 58035;

501853 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL 1403 SITE 0853 TIME TAKEN 16/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.198 (47 11'52") LONG 97.380 (97 22'48") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1470 DISSOLVED OXYGEN(PPM) 6.7
 WATER TEMP(C) + 13.6 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 318 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 334
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION COPPER
 METERS FROM HEAD 30 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 8 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 8 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR N.W. 7.5' MAP, SAMPLE FAUCET ON N.W. CORNER OF HOUSE, WELL IN PUMP HOUSE 30M. E OF HOUSE;
 1-60 CORN;

1-78 WALTER STUBBE & GALESBURG, N.D. 58035;
3-20 CONCRETE;

501854 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER CALM-CLEAR
PHASE 2 MAP NL1403 SITE 0854 TIME TAKEN 16/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.209 (47 12'32") LONG 97.314 (97 18'50") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 570 DISSOLVED OXYGEN (PPM) 5.8
WATER TEMP (C) + 15.0 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
TOTAL ALKALINITY (PPM) 368 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 352
APPEARANCE CLEAR DISCHARGE (L/M) 10.00
PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
TYPE DUG POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION PLASTIC
METERS FROM HEAD 40 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 11 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 11 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
1-38 AYR NE 7.5' MAP, SAMPLE FROM KITCHEN SINK, WELL 30M. NE OF HOUSE;
1-60 SUNFLOWERS;
1-78 PETER HUDSON & HUNTER, N.D. 58048;

501855 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER CALM-CLEAR
PHASE 2 MAP NL1403 SITE 0855 TIME TAKEN 17/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.211 (47 12'39") LONG 97.273 (97 16'22") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 870 DISSOLVED OXYGEN (PPM) 2.7
WATER TEMP (C) + 14.7 VISIBILITY (M) CLEAR PH 7.8 LO-ION PAPER
TOTAL ALKALINITY (PPM) 258 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 264
APPEARANCE CLEAR DISCHARGE (L/M) 15.00
PRODUCING HORIZON KGBM CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION COPPER
METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 133 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION PUBLICATION
WELL DEPTH (M) 135 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:
1-38 AYR N.E. 7.5' MAP, SAMPLE FROM KITCHEN SINK FAUCET, WELL 3M. N.W. OF HOUSE;
1-60 WHEAT, SUNFLOWERS, BEANS;
1-78 ED FHERTZ & HUNTER N.D. 58048;

501856 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0856 TIME TAKEN 18/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE

LOCATION: LAT 47.245 (47 14' 42") LONG 97.275 (97 16' 30")
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE

WATER TEMP(C) + 12.8

TOTAL ALKALINITY (PPH) 496

APPEARANCE CLEAR

PRODUCING HORIZON QTL

CONDUCTIVITY (MICROMHOS/CM) 980

VISIBILITY (M) CLEAR

P ALKALINITY (PPH) <5

DISCHARGE (L/H) 20.00

CONFIDENCE PROBABLE

DISSOLVED OXYGEN (PPH) 2.8

PH 7.5 LO-ION PAPER

M ALKALINITY (PPH) 470

SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG

METERS FROM HEAD 6

DEPTH TO PROD HORIZON (M) 7

WELL DEPTH (M) 7

POWER CLASSIFICATION ELECTRIC

WITH RESPECT TO PRESSURE TANK AFTER

CONFIDENCE OF PRODUCING DEPTH POSSIBLE

CONFIDENCE OF WELL DEPTH PROBABLE

CASING OTHER

USE HOUSEHOLD

SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE

SOURCE OF DEPTH INFORMATION OWNER

PIPE COMPOSITION GALVANIZED

PUMPING FREQUENCY FREQUENT

REMARKS:

1-38 AYR N.E. 7.5' MAP, SAMPLE FAUCET NEXT TO FRONT DOOR, WELL UNDER METAL TOP 2M. W. OF HOUSE;

1-60 SUN FLOWERS, WHEAT;

1-78 ELDON SAUNDERS & HUNTER N.D. 58048;

501857 TYPE WELL WATER REPLICATE SAMPLER RLB
PHASE 2 MAP NL1403 SITE 0857 TIME TAKEN 10/20/08/79
LOCATION: LAT 47.050 (47 3' 0") LONG 97.256 (97 15' 21")
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 25.0

RELIEF LOW

CONTAMINANTS AGRICULTURA

WEATHER LT WIND-CLEAR

VEGETATION GRASS-MODERATE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE

WATER TEMP (C) + 10.0

TOTAL ALKALINITY (PPH) 260

APPEARANCE CLEAR

PRODUCING HORIZON QPG

CONDUCTIVITY (MICROMHOS/CM) 1520

VISIBILITY (M) CLEAR

P ALKALINITY (PPH) <5

DISCHARGE (L/H) 30.00

CONFIDENCE HIGH

DISSOLVED OXYGEN (PPH) 6.4

PH 6.9 LO-ION PAPER

M ALKALINITY (PPH) 264

SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED

METERS FROM HEAD 10

DEPTH TO PROD HORIZON (M) 53

WELL DEPTH (M) 53

POWER CLASSIFICATION ELECTRIC

WITH RESPECT TO PRESSURE TANK AFTER

CONFIDENCE OF PRODUCING DEPTH HIGH

CONFIDENCE OF WELL DEPTH HIGH

CASING STEEL

USE HOUSEHOLD

SOURCE OF PRODUCING INFORMATION PUBLICATION

SOURCE OF DEPTH INFORMATION PUBLICATION

PIPE COMPOSITION GALVANIZED

PUMPING FREQUENCY FREQUENT

REMARKS:

1-38 AYR SE 7.5' MAP, SAMPLE FROM FAUCET 15M. W. OF HOUSE, WELL 20M. S.W. OF HOUSE;

1-60 WHEAT, RAILWAY 1 K.M. AWAY;

1-78 ROBERT BLIXT & AMENIA ND. 58004;

501858 TYPE WELL WATER REPLICATE SAMPLER RLB
PHASE 2 MAP NL1403 SITE 0858 TIME TAKEN 11/01/08/79
LOCATION: LAT 47.007 (47 0' 25") LONG 97.261 (97 15' 39")
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 27.0

RELIEF LOW

CONTAMINANTS NONE

WEATHER CALM-CLEAR

VEGETATION DECIDUOUS-MODERATE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE

WATER TEMP (C) + 15.6

TOTAL ALKALINITY (PPH) 319

CONDUCTIVITY (MICROMHOS/CM) 4090

VISIBILITY (M) CLEAR

P ALKALINITY (PPH) <5

DISSOLVED OXYGEN (PPH) 6.4

PH 7.7 LO-ION PAPER

M ALKALINITY (PPH) 308

SOURCE PUBLICATION

APPEARANCE	CLEAR	DISCHARGE(L/M)	20.00	SOURCE PUBLICATION
PRODUCING HORIZON	KGFL	CONFIDENCE	HIGH	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING VALVANIZED	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	20	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	750	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	OWNER	
WELL DEPTH(M)	150	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 AYR S.E. 7.5' MAP, SAMPLE FAUCET AT KITCHEN SINK, WELL 30M. N.W. OF HOUSE BURIED UNDER RED POST;
 1-78 MELVIN KRABBEHOFT & AMENIA, N.D. 58004;

501859	TYPE WELL WATER	REPLICATE	SAMPLER RLB	AIR TEMP(C)	+ 28.0	WEATHER	CALM-CLEAR
	PHASE 2	MAP NL 1403	SITE 0859	RELIEF	LOW	VEGETATION	DECIDUOUS-MODERATE
	LOCATION: LAT	47.009 (47 0' 32")	LONG	97.346 (97 20' 45")	CONTAMINANTS	AGRICULTURA	
	SURFACE GEOL UNIT	QTL	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - FC - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	2370	DISSOLVED OXYGEN(PPM)	9.0
WATER TEMP(C)	+ 28.0	VISIBILITY(M)	CLEAR	PH	6.9
TOTAL ALKALINITY(PPM)	438	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	418
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00	SOURCE PUBLICATION	
PRODUCING HORIZON	QTL	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING PLASTIC	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	15	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSE/STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	13	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE	
WELL DEPTH(M)	13	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 AYR SE 7.5' MAP, SAMPLE FROM SINK IN BARN, WELL 2M. W. OF HOUSE;
 1-60 SUN FLOWERS;
 1-78 ART IDSD & AMENIA, N.D. 58004;

501860	TYPE WELL WATER	REPLICATE	SAMPLER RLB	AIR TEMP(C)	+ 28.0	WEATHER	LT WIND-CLEAR
	PHASE 2	MAP NL 1403	SITE 0860	RELIEF	LOW	VEGETATION	GRASS-MODERATE
	LOCATION: LAT	47.008 (47 0' 28")	LONG	97.395 (97 23' 42")	CONTAMINANTS	AGRICULTURA	
	SURFACE GEOL UNIT	QPG	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR L-OR-YL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	2100	DISSOLVED OXYGEN(PPM)	3.6
WATER TEMP(C)	+ 12.7	VISIBILITY(M)	CLEAR	PH	6.9
TOTAL ALKALINITY(PPM)	478	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	472
APPEARANCE	MURKY	DISCHARGE(L/M)	25.00	SOURCE PUBLICATION	
PRODUCING HORIZON	QTL	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	COPPER
METERS FROM HEAD	20	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	18	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE	
WELL DEPTH(M)	18	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 AYR 7.5' MAP, SAMPLE FAUCET IN S.E. CORNER OF BARN, WELL IN PUMP HOUSE N.W. OF BARN;
 1-60 SUNFLOWERS, WHEAT, BARLEY, GRAVEL PITTS 1 K.M.;
 1-78 IRVIN BOYCE & AYR, N.D. 58007;
 3-20 WOOD;

501861 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 29.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0861 TIME TAKEN 13/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.022 (47 1' 19") LONG 97.49 (97 29' 27") CONTAMINANTS OTHER SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT OPL RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1170 DISSOLVED OXYGEN(PPM) 5.0
 WATER TEMP(C) + 9.7 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 448 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 460
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00 SOURCE PUBLICATION
 PRODUCING HORIZON OPG CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING PLASTIC PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 49 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL INFERENCE
 WELL DEPTH(M) 49 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR 7.5' MAP, SAMPLE FROM FAUCET 50M N. OF HOUSE ON PUMP HOUSE, WELL IN PUMP HOUSE;
 1-60 BARLEY, HAY, SUBMERSIBLE PUMP;
 1-78 TOM CAMERON & AYR, N.D. 58007;

501862 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 29.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0862 TIME TAKEN 14/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.071 (47 4' 15") LONG 97.473 (97 28' 22") CONTAMINANTS AGRICULTURA SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 540 DISSOLVED OXYGEN(PPM) 4.2
 WATER TEMP(C) + 13.6 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 364 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 360
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00 SOURCE PUBLICATION
 PRODUCING HORIZON OPG CONFIDENCE HIGH

WELL INFORMATION:

TYPE UNKNOWN POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 53 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH(M) 53 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 AYR 7.5' MAP, SAMPLE FAUCET 2M. W. OF HOUSE, WELL IN SMALL WHITE HOUSE;
 1-60 SUNFLOWERS, WHEAT, TOWN OF AYR 3K. M.;
 1-78 RALPH CAMERON & AYR, N.D. 58007;

501863 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 29.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0863 TIME TAKEN 15/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.051(47 3' 3") LONG 97.434(97 26' 2") CONTAMINANTS OTHER
 SURFACE GEOL UNIT OPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 930 DISSOLVED OXYGEN(PPM) 4.4
 WATER TEMP(C) + 11.0 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 430 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 436
 APPEARANCE CLEAR DISCHARGE(L/M) 60.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 5 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/IRRIG. PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 37 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 37 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR 7.5' MAP, SAMPLE FAUCET 10M. N.E. OF HOUSE, WELL S.E. OF FAUCET WITH RED CAP;
 1-60 SUBMERSIBLE PUMP, WHEAT;
 1-78 CHARLES NELSON & AYR, N.D. 58007;

501864 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0864 TIME TAKEN 16/01/08/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.051(47 3' 3") LONG 97.336(97 20' 9") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 800 DISSOLVED OXYGEN(PPM) 6.4
 WATER TEMP(C) + 15.4 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 272 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 286
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON OTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 5 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 5 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYR SE 7.5' MAP, SAMPLE FROM FAUCET ON N. SIDE OF HOUSE, WELL 10M. E. OF HOUSE;
 1-60 SUNFLOWERS, WHEAT, GRAVEL PITS 1 K.M.;
 1-78 SHIRLEY ARMSTRONG & AMENIA, N.D. 58004;

501865 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0865 TIME TAKEN 16/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.109(47 6' 32") LONG 97.304(97 18' 14") CONTAMINANTS OTHER
 SURFACE GEOL UNIT OTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1200 DISSOLVED OXYGEN(PPM) 4.0

WATER TEMP(C) + 14.9 VISIBILITY(M) CLEAR PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 316 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 312
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 65 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 65 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 AYE NE 7.5' MAP, SAMPLE FROM KITCHEN SINK FAUCET, WELL UNDER RED TOP 20M. N. OF HOUSE;
 1-60 SUBMERSIBLE PUMP, WHEAT, BARLEY, SUNFLOWERS;
 1-78 KENNETH HANSON & BOX 43 ARTHUR N.D. 58003;

501866 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0866 TIME TAKEN 17/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.109(47 6'32") LONG 97.272(97 16'19") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1780 DISSOLVED OXYGEN(PPM) 3.4
 WATER TEMP(C) + 28.3 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 348 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 366
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 10 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 60 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH(M) 60 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 AYE N.E. 7.5' MAP, SAMPLE FAUCET AT KITCHEN SINK, WELL 10M. N. OF HOUSE;
 1-60 SUNFLOWERS, WHEAT;
 1-78 GEBEKE GREGORY &, ARTER, N.D. 58006;

501867 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 23.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0867 TIME TAKEN 10/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.916(47 54'57") LONG 96.397(96 23'49") CONTAMINANTS NONE STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 0.30 LEVEL POOLS
 BED MATERIAL SILT SAMPLE: COLOR M-OR-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 RED LAKE FALLS 15' MAP, SAMPLE TAKEN 60M. UPSTREAM OF PIPE, START 20M. UPSTREAM OF BUSH, OVER 20M. INTERVAL;

501868 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0868 TIME TAKEN 11/24/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.975 (47 58' 30") LONG 96.379 (96 22' 44") CONTAMINANTS NONE STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 0.50 DEPTH(M) 0.10 LEVEL POOLS
 BED MATERIAL SAND SAMPLE: COLOR M-OR-BN ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 RED LAKE FALLS 15' MAP, SAMPLE TAKEN 80M. UPSTREAM OF INTERSECTION, START AT 4 BIRCH TREES, OVER 20M. INTERVAL;

501869 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0869 TIME TAKEN 11/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.988 (47 59' 16") LONG 96.369 (96 22' 8") CONTAMINANTS AGRICULTURAL STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 RED LAKE FALLS 15' MAP, SAMPLE 80M. S. OF HOUSE, START 60M. E. OF LONE LARGE TREE, OVER 20M. INTERVAL;
 1-60 SUNFLOWER FIELD;

501870 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0870 TIME TAKEN 12/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.935 (47 56' 6") LONG 96.292 (96 17' 31") CONTAMINANTS NONE STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 0.20 LEVEL LOW
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 RED LAKE FALLS 15' MAP, SAMPLE TAKEN 60M. UPSTREAM OF HOUSE, START AT BUSHES, OVER 20M. INTERVAL;

501871 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0871 TIME TAKEN 13/24/07/79 RELIEF GENTLE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.871 (47 52' 15") LONG 96.317 (96 19' 1") CONTAMINANTS OTHER STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.40 LEVEL NORMAL
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 RED LAKE FALLS 15' MAP, SAMPLE TAKEN 300M. DOWNSTREAM OF ROAD, START AT DEAD TREE, OVER 20M. INTERVAL;
 1-60 SOIL;

501872 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0872 TIME TAKEN 14/24/07/79 RELIEF GENTLE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.861(47 51'39") LONG 96.283(96 16'58") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-BK-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL(%) 30

REMARKS:
 1-38 RED LAKE FALLS 15' MAP, SAMPLE TAKEN 45M. UPSTREAM OF RAILROAD TRACKS, START ABOVE POOL, OVER 25M. INTERVAL;
 1-60 WHEAT FIELDS;

501873 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0873 TIME TAKEN 14/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.817(47 49' 1") LONG 96.309(96 18'32") CONTAMINANTS NONE STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 0.30 DEPTH(M) 0.10 LEVEL POOLS
 BED MATERIAL SILT SAMPLE: COLOR M-OR-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 10

REMARKS:
 1-38 RED LAKE FALLS 15' MAP, SAMPLE TAKEN 25M. UPSTREAM OF ROAD, START AT SHALLOW POOL, OVER 20M. INTERVAL;

501874 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0874 TIME TAKEN 15/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.815(47 48'54") LONG 96.275(96 16'30") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL(%) 30

REMARKS:
 1-38 RED LAKE FALLS 15' MAP, SAMPLE TAKEN 450M. DOWNSTREAM OF ROAD, START WHERE GULLY ENTERS FROM N, OVER 20M. INTERVAL;
 1-60 WHEAT FIELDS;

501875 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 23.0 WEATHER LT WIND-CLEAR
 PHASE G MAP NL1403 SITE 0875 TIME TAKEN 20/24/07/79 RELIEF GENTLE VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.808(47 48'28") LONG 96.437(96 26'13") CONTAMINANTS NONE STREAM FLOW(M/SEC) 0.10
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.40 LEVEL LOW
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:
 1-38 RED LAKE FALLS 15' MAP, SAMPLE 40M. UPSTREAM OF ROAD, START WHERE TREE FALLS ACROSS STREAM, OVER 20M. INTERVAL;

501876 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0876 TIME TAKEN 16/24/07/79 RELIEF GENTLE VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.974 (47 58' 26") LONG 96.181 (96 10' 51") CONTAMINANTS NONE STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 0.10 LEVEL LOW
 BED MATERIAL SAND SAMPLE: COLOR M-OR-BN ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL(%) 20

REMARKS:

1-38 PLUMMER N.W. 7.5' MAP, SAMPLE 30M. UPSTREAM OF BRIDGE, START AT TREES, OVER 20M. INTERVAL;

501877 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0877 TIME TAKEN 17/24/07/79 RELIEF MODERATE VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.867 (47 52' 1") LONG 96.156 (96 9' 2") CONTAMINANTS MINING STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-BN-GY ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 7 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 TERREBONNE 7.5' MAP, SAMPLE 200M. DOWNSTREAM OF INTERSECTION, START AT CLUMP OF 4 TREES, OVER 30M. INTERVAL;
 1-60 GRAVEL PITS 2KM UPSTREAM;

501878 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0878 TIME TAKEN 18/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.818 (47 49' 4") LONG 96.059 (96 3' 32") CONTAMINANTS OTHER STREAM FLOW(M/SEC) 0.10
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 1.00 LEVEL HIGH
 BED MATERIAL SILT SAMPLE: COLOR M-BK-GY ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 BROOKS 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START 10M. BEFORE TREE, OVER 20M. INTERVAL;
 1-60 SPRING UPSTREAM;

501879 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0879 TIME TAKEN 19/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.831 (47 49' 51") LONG 96.132 (96 7' 55") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 0.30 LEVEL LOW
 BED MATERIAL CLAY SAMPLE: COLOR M-BN-GY ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 25

REMARKS:

1-38 TERREBONNE 7.5' MAP, SAMPLE TAKEN 50M. W. OF HOUSE, START AT BEND, OVER 20M. INTERVAL;
 1-60 WHEAT FIELDS, SOIL;

501880 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0880 TIME TAKEN 19/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.821(47 49'15") LONG 96.158(96 9'28") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:
 1-38 TERREBONNE 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START UPSTREAM OF POOL, OVER 20M. INTERVAL;
 1-60 SUN FLOWER FIELD;

501881 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 23.0 WEATHER CALM-PT CLDY
 PHASE 2 MAP NL1403 SITE 0881 TIME TAKEN 19/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.828(47 49'40") LONG 96.177(96 10'37") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 0.20 LEVEL POOLS
 BED MATERIAL SILT SAMPLE: COLOR M-BK-GY ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:
 1-38 TERREBONNE 7.5' MAP, SAMPLE TAKEN 50M. UPSTREAM OF INTERSECTION, START AT CORNER, OVER 20M. INTERVAL;
 1-60 SUN FLOWERS, METAL TRASH;

501883 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0883 TIME TAKEN 11/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.722(47 43'19") LONG 97.305(97 18'18") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR -CL ODOR H2S

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 690 DISSOLVED OXYGEN(PPM) 4.9
 WATER TEMP(C) + 12.7 VISIBILITY(M) CLEAR PH 8.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 400
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DUG POWER CLASSIFICATION ARTESIAN CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 3 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 3 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 HOLMES 7.5' MAP, SAMPLE COLLECTED AT FAUCET IN WELL HOUSE, WELL HOUSE LOCATED 5M. E. OF TRAILER;
 1-60 RECENTLY PLOWED FIELDS CLOSE BY, WHEAT FIELDS;
 1-78 HAROLD GUFSTASON & REYNOLDS, N.D. 58275;
 3-20 CEMENT;

501884 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER CALM-PT CLDY

PHASE 2 MAP NL1403 SITE 0884 TIME TAKEN 12/25/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.746 (47 44'45") LONG 97.333 (97 19'58") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 730 DISSOLVED OXYGEN (PPM) 6.6
 WATER TEMP (C) + 18.0 VISIBILITY (M) CLEAR PH 7.9 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 348 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 339
 APPEARANCE CLEAR DISCHARGE (L/M) 6.00
 PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/IRRIG. PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 4 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 8 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HOLMES 7.5' MAP, SAMPLE FROM FAUCET AT KITCHEN SINK, WELL LOCATED 8M. N. OF HOUSE;
 1-60 50M. TO PLOWED FIELD, GRAVEL PIT 1KM S.;
 1-78 OWEN DAHL & NORTHWOOD, N.D. 58267;
 3-20 CONCRETE;

501885 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP (C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0885 TIME TAKEN 13/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.702 (47 42' 7") LONG 97.342 (97 20'31") CONTAMINANTS MINING STREAM FLOW (M/SEC) NONE
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH (M) 1.00 DEPTH (M) 0.10 LEVEL LOW
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR H2S

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 HOLMES 7.5' MAP, SAMPLE 25M. UPSTREAM OF BRIDGE, START AT GLACIAL ROCKS, OVER 15M. INTERVAL;
 1-60 GRAVEL PITS 2KM UPSTREAM;

501886 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP (C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0886 TIME TAKEN 14/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.696 (47 41'45") LONG 97.366 (97 21'57") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 730 DISSOLVED OXYGEN (PPM) 7.8
 WATER TEMP (C) + 15.0 VISIBILITY (M) CLEAR PH 8.5 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 424 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 418
 APPEARANCE CLEAR DISCHARGE (L/M) 10.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 3 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH (M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 HOLMES 7.5' MAP, SAMPLE FROM KITCHEN SINK, WELL 4M. S. OF RED BARN;
 1-60 WHEAT FIELDS;
 1-78 PATTON & RURAL RTE 1 & UNION, N.D. 58240;
 3-20 CONCRETE;

501887 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0887 TIME TAKEN 14/25/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.644 (47 38' 38") LONG 97.367 (97 21' 39") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR U-OR-YL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3100 DISSOLVED OXYGEN(PPM) 4.7
 WATER TEMP(C) + 12.6 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 732 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 725
 APPEARANCE CLEAR DISCHARGE(L/M) 30.00
 PRODUCING HORIZON QPL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION OTHER
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

NORMAN LILLEMOEN;
 1-38 HOLMES 7.5' MAP, SAMPLE TAKEN THROUGH 1.5M. OF HOSE AT WELL, WELL LOCATED 1.5M. E. OF BARN IN CONCRETE CURB;
 1-78 & PATTON, N.D. 58240;
 3-20 CONCRETE;
 3-21 RUBBER HOSE;

501888 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0888 TIME TAKEN 15/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.654 (47 39' 14") LONG 97.282 (97 16' 55") CONTAMINANTS OTHER
 SURFACE GEOL UNIT QPL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 380 DISSOLVED OXYGEN(PPM) 4.5
 WATER TEMP(C) + 13.9 VISIBILITY(M) CLEAR PH 8.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 224 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 238
 APPEARANCE CLEAR DISCHARGE(L/M) 150.00
 PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 4 WITH RESPECT TO PRESSURE TANK NONE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 3 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 3 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 HOLMES 7.5' MAP, SAMPLE COLLECTED FROM PLASTIC HOSE HANGING OUT OF WHITE PUMP HOUSE 40M. N. OF HOUSE, WELL 1.5M. N. OF PUMP HOUSE;
 1-60 SURFACE WATER OUT OF GRAVELS;

1-78 ALVIN LERFALD & HATTON N.D. 58240;
3-20 CONCRETE;

501889 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-OVERCST
PHASE 2 MAP NL 1403 SITE 0889 TIME TAKEN 15/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.628 (47 37'40") LONG 97.267 (97 16' 1") CONTAMINANTS SEWAGE
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR L-OR-YL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3350 DISSOLVED OXYGEN (PPM) 8.9
WATER TEMP (C) + 10.7 VISIBILITY (M) CLEAR PH 7.0 LO-ION PAPER
TOTAL ALKALINITY (PPM) 718 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 735
APPEARANCE CLEAR DISCHARGE (L/M) 10.00
PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 2 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
WELL DEPTH (M) 5 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HOLMES 7.5' MAP, SAMPLE COLLECTED FROM PIPE OVER STOCK TANK, WELL LOCATED 10M. SOUTH OF RED BARN IN CONCRETE CURB WITH PUMP ABOVE;
1-60 FARMYARD NEXT TO WELL;
1-78 VERNON JENSON & BUXCON N.D. 58218;
3-20 CONCRETE;

501890 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0890 TIME TAKEN 16/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.632 (47 37'55") LONG 97.324 (97 19'26") CONTAMINANTS NONE
SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 5150 DISSOLVED OXYGEN (PPM) 5.1
WATER TEMP (C) + 10.2 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
TOTAL ALKALINITY (PPM) 232 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 230
APPEARANCE CLEAR DISCHARGE (L/M) 10.00
PRODUCING HORIZON KGFL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 150 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL INFERENCE
WELL DEPTH (M) 150 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HOLMES 7.5' MAP, SAMPLE FROM PIPE OUT OF PUMP HOUSE 40M. NE OF HOUSE, WELL IN PUMP HOUSE.
1-78 MAURICE SOLTAH & HATTON, N.D. 58240;

501891 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY

PHASE 2 MAP NL1403 SITE 0891 TIME TAKEN 17/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.597 (47 35'49") LONG 97.289 (97 17'20") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR U-OR-YL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3820 DISSOLVED OXYGEN (PPM) 3.5
 WATER TEMP (C) + 9.7 VISIBILITY (M) CLEAR PH 8.7 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 164 P ALKALINITY (PPM) 22 M ALKALINITY (PPM) 174
 APPEARANCE CLEAR DISCHARGE (L/M) 5.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE UNKNOWN POWER CLASSIFICATION HAND CASING UNKNOWN PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON (M) 50 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH (M) 50 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 MAYVILLE NORTH 7.5' MAP, SAMPLE FROM PUMP 30M S. OF HOUSE (D.N. S. OF S.FLO, WELL BELOW PUMP);
 1-60 SURFACE WATER, WHEAT, BARLEY, SUN FLOWERS;
 1-78 MICHAEL OSLAND & RYE, 1 & BOX 42 & MAYVILLE 58257;

501892 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP (C) + 23.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0892 TIME TAKEN 17/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.530 (47 31'48") LONG 97.279 (97 16'44") CONTAMINANTS OTHER
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR M-OR-BN QDQR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2290 DISSOLVED OXYGEN (PPM) 4.4
 WATER TEMP (C) + 10.3 VISIBILITY (M) 1.00 PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 236 P ALKALINITY (PPM) 25 M ALKALINITY (PPM) 236
 APPEARANCE MURKY DISCHARGE (L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE OTHER PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON (M) 50 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 50 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 MAYVILLE NORTH 7.5' MAP, SAMPLE FAUCET 40M. E. OF MAIN HOUSE, WELL 1M. W. OF PUMP HOUSE;
 1-60 PUMP SWITCHED FROM RURAL TO WELL WATER;
 1-78 ALFRED NELSON & MAYVILLE N.D. 58257;
 3-26 BACK UP SYSTEM;

501893 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP (C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0893 TIME TAKEN 13/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.533 (47 31'58") LONG 97.357 (97 21'25") CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC)
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH (M) DEPTH (M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-BK-GY ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 MAYVILLE NORTH 7.5' MAP, SAMPLE 30M. UPSTREAM OF PIPES, START AT NARROWS, OVER 25M. INTERVAL;
1-60 BARLEY FIELD;

501894 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0894 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.588 (47 35' 16") LONG 97.365 (97 21' 54") CONTAMINANTS NONE
SURFACE GEOL UNIT OPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 5830 DISSOLVED OXYGEN(PPM) 6.4
WATER TEMP(C) + 16.0 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
TOTAL ALKALINITY(PPM) 192 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 200
APPEARANCE CLEAR DISCHARGE(L/M) 6.00 SOURCE GEOL. INFERENCE
PRODUCING HORIZON KGFL CONFIDENCE POSSIBLE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 170 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 170 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 MAYVILLE NORTH 7.5' MAP, SAMPLE FROM PIPE OUT OF PUMP HOUSE 30M E OF MAIN HOUSE, WELL 2M. S. PUMP HOUSE;
1-78 ORIN THOMPSON & HATTON, N.D. 58240;

501895 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0895 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.596 (47 35' 45") LONG 97.418 (97 25' 4") CONTAMINANTS AGRICULTURAL
SURFACE GEOL UNIT OPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 920 DISSOLVED OXYGEN(PPM) 9.4
WATER TEMP(C) + 10.0 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
TOTAL ALKALINITY(PPM) 388 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 360
APPEARANCE CLEAR DISCHARGE(L/M) 10.00 SOURCE GEOL. INFERENCE
PRODUCING HORIZON OPL CONFIDENCE PROBABLE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HATTON SH 7.5' MAP, SAMPLE 40M S. OF HOUSE FROM PIPE, WELL 4M. E. OF BARN;
1-60 WHEAT FIELD 20M. AWAY;
1-78 AGRER HOLMEN & RURAL RTE & HATTON, N.D. 58240;
3-20 BRICK;

501896 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0896 TIME TAKEN 15/26/07/79 RELIEF MODERATE VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.627 (47 37'37") LONG 97.395 (97 23'42") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR M-OR-BN ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3860 DISSOLVED OXYGEN (PPH) 4.3
 WATER TEMP(C) + 10.3 VISIBILITY (M) 1.00 PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 302 P ALKALINITY (PPH) <5 M ALKALINITY (PPH) 286
 APPEARANCE MURKY DISCHARGE (L/M) 5.00 SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON (M) 8 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 8 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE 40M. S. OF HOUSE FROM PUMP, WELL 5M. S. OF STORAGE BUILDING;
 1-60 WHEAT;
 1-78 TIM SKJOITEN & HATTON, N.D. 58240;
 3-20 BRICK;

501897 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0897 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.629 (47 37'44") LONG 97.386 (97 23' 9") CONTAMINANTS NONE STREAM FLOW (M/SEC)
 SURFACE GEOL UNIT QPL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH (M) DEPTH (M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 50

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE TAKEN 30M. UPSTREAM OF ROAD, START AT DEAD TREE, OVER 20M. INTERVAL;

501898 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0898 TIME TAKEN 17/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.641 (47 38'27") LONG 97.461 (97 27'39") CONTAMINANTS URBAN
 SURFACE GEOL UNIT QPL RESULTS REQ NO, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 870 DISSOLVED OXYGEN (PPH) 7.8
 WATER TEMP(C) + 10.2 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 400 P ALKALINITY (PPH) <5 M ALKALINITY (PPH) 392
 APPEARANCE CLEAR DISCHARGE (L/M) 5.00 SOURCE PUBLICATION
 PRODUCING HORIZON KGBM CONFIDENCE PROBABLE

WELL INFORMATION:

TYPE UNKNOWN POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK NONE USE MUNICIPAL PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 80 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION PUBLICATION
 WELL DEPTH (M) 80 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 HATTON 7.5' MAP, SAMPLE FROM PUMP 25M. W. OF TRAIN TRACKS, WELL ACROSS FROM 5TH STREET;
1-60 TOWN OF HATTON, TRAIN TRACKS 25M.;

501899 TYPE WELL WATER REPLICATE SAMPLER RLB AIR TEMP(C) + 24.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0899 TIME TAKEN 10/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.573 (47 34' 22") LONG 97.460 (97 27' 36") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR U-BN-YL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 5470 DISSOLVED OXYGEN (PPM) 3.8
WATER TEMP(C) + 10.2 VISIBILITY(M) 3.00 PH 7.7 LO-ION PAPER
TOTAL ALKALINITY (PPM) 120 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 128
APPEARANCE MURKY DISCHARGE (L/M) 10.00 SOURCE PUBLICATION
PRODUCING HORIZON KGFL CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION STEEL
METERS FROM HEAD WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 170 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 170 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HATTON SW 7.5' MAP, SAMPLE 40M. N.E. OF HOUSE, WELL NEXT TO PHONE POLE;
1-78 ROBERT HAUGE & RURAL RTE & HATTON N.D. 58240;

501900 TYPE STREAM SEDIMENT REPLICATE SAMPLER RLB AIR TEMP(C) + 23.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0900 TIME TAKEN 10/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.558 (47 33' 28") LONG 97.455 (97 27' 18") CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC) NONE
SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH (M) 1.00 DEPTH (M) 0.10 LEVEL LOW
BED MATERIAL CLAY SAMPLE: COLOR M-OR-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 HATTON SW 7.5' MAP, SAMPLE 30M. UPSTREAM OF ROAD, START 10M. UPSTREAM OF FIRST TREE, OVER 20M. INTERVAL;
1-60 WHEAT, BARLEY UPSTREAM;

501901 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0901 TIME TAKEN 11/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.961 (47 57' 39") LONG 97.321 (97 19' 15") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR L-GN-WH ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2740 DISSOLVED OXYGEN (PPM) 5.8
WATER TEMP(C) + 9.4 VISIBILITY(M) CLEAR PH 7.0 LO-ION PAPER
TOTAL ALKALINITY (PPM) 164 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 160
APPEARANCE CLEAR DISCHARGE (L/M) 10.00 SOURCE GEOL. INFERENCE
PRODUCING HORIZON KGFL CONFIDENCE POSSIBLE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	NONE	PIPE COMPOSITION	STEEL
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	63	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	63	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 EMERADO, N.D. 7.5' MAP, SAMPLE TAKEN 2M SOUTH OF BARN, AND 15M SOUTH OF WHITE HOUSE, FROM PLASTIC TUBING OF WELL HEAD;
 1-60 ROW CROPS AND STOCK;
 1-78 WILLIAM ECCLES & 3106TH AVE, NORTH & GRAND FORKS, N.D. 58201;

501902	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 27.0	WEATHER	LT WIND-PT CLDY
	PHASE 2 MAP NL1403	SITE 0902	TIME TAKEN 12/25/07/79	RELIEF	LOW	VEGETATION	DECIDUOUS-MODERATE
	LOCATION: LAT 47.949 (47 56'56")	LONG 97.431 (97 25'51")		CONTAMINANTS	AGRICULTURA	SAMPLE	COLOR L-YL-WHT
	SURFACE GEOL UNIT QPG	RESULTS REQ YES	RELEASED 801015				ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	5190	DISSOLVED OXYGEN(PPM)	4.7
WATER TEMP(C)	+ 15.3	VISIBILITY(M)	CLEAR	PH	7.1 LO-ION PAPER
TOTAL ALKALINITY(PPM)	389	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	386
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	STEEL
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	OTHER	PUMPING FREQUENCY	INFREQUENT
DEPTH TO PROD HORIZON(M)	7	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	7	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 ARVILLA, N.D. 7.5' MAP, SAMPLE TAKEN FROM HOSE OVER WELL HEAD CASED BY METAL CAN 4M EAST OF BARN AND 10M NORTH OF HOUSE;
 1-60 SUBMERSIBLE PUMP, ROW CROPS;
 1-78 SHENEY & RURAL ROUTE 116B & ARVILLA, N.D. 58241;
 3-26 GARDEN USE ONLY;

501903	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 27.0	WEATHER	LT WIND-PT CLDY
	PHASE 2 MAP NL1403	SITE 0903	TIME TAKEN 12/25/07/79	RELIEF	LOW	VEGETATION	DECIDUOUS-MODERATE
	LOCATION: LAT 47.964 (47 57'50")	LONG 97.448 (97 26'52")		CONTAMINANTS	AGRICULTURA	SAMPLE	COLOR - - -CL
	SURFACE GEOL UNIT QAL	RESULTS REQ YES	RELEASED 801015				ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	940	DISSOLVED OXYGEN(PPM)	6.3
WATER TEMP(C)	+ 11.6	VISIBILITY(M)	CLEAR	PH	8.1 LO-ION PAPER
TOTAL ALKALINITY(PPM)	290	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	289
APPEARANCE	CLEAR	DISCHARGE(L/M)	12.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	OTHER	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	60	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	4	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	4	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 ARULLA, N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET OF NEW HOUSE, WELL LOCATED UNDER CEMENT COVER 65M NORTHWEST OF HOUSE;
1-60 SUBMERSIBLE PUMP, AND STOCK;
1-78 DON BENSON & ARULLA, N.D. 58214;
3-20 CEMENT CASING;

501904 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0904 TIME TAKEN 14/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.918 (47 55' 4") LONG 97.477 (97 28' 37") CONTAMINANTS OTHER SAMPLE: COLOR -CL ODOR NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 3630 DISSOLVED OXYGEN (PPM) 10.5
WATER TEMP (C) + 27.4 VISIBILITY (M) CLEAR PH 7.7 LO-ION PAPER
TOTAL ALKALINITY (PPM) 308 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 302
APPEARANCE CLEAR DISCHARGE (L/M) 7.00
PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD 12 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON (M) 7 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 7 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ARULLA, MINN. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 4M NORTH OF OLD GREEN HOUSE UNDER CEMENT COVER;
1-60 SUBMERSIBLE PUMP, STOCK;
1-78 HAROLD HEDER & ARULLA, N.D. 58214;
3-20 CEMENT CASING;

501905 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0905 TIME TAKEN 14/25/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.903 (47 54' 10") LONG 97.409 (97 24' 32") CONTAMINANTS NONE SAMPLE: COLOR -CL ODOR NONE
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2230 DISSOLVED OXYGEN (PPM) 10.2
WATER TEMP (C) + 10.8 VISIBILITY (M) CLEAR PH 8.1 LO-ION PAPER
TOTAL ALKALINITY (PPM) 306 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 304
APPEARANCE CLEAR DISCHARGE (L/M) 10.00
PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON (M) 7 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 7 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ARULLA N.D. 7.5' MAP, SAMPLE TAKEN FROM HOSE OFF OF WELL HEAD, WELL LOCATED IN RED BARN, 25M SOUTH OF GREEN HOUSE;
1-78 CLARE MORSETH & RURAL ROUTE 1 & EMERADO, N.D. 58228;

3-20 RED BRICK CASING

501906 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0906 TIME TAKEN 15/25/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.911 (47 54'39") LONG 97.337 (97 20'13") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR D-GY-BK ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 15000 DISSOLVED OXYGEN (PPM) 3.3
 WATER TEMP (C) + 27.4 VISIBILITY (M) 0.00 PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 70 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 68
 APPEARANCE MURKY DISCHARGE (L/M) 10.00
 PRODUCING HORIZON KGFL CONFIDENCE POSSIBLE SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING NONE PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 66 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 66 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD 7M SOUTH OF RED BARN ALONG WIRE FENCE;
 1-60 ROW CROPS;
 1-78 EARL LEDDIGE & EMERADO, N.D. 58228;

501907 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0907 TIME TAKEN 16/25/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.905 (47 54'18") LONG 97.266 (97 15'57") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 14000 DISSOLVED OXYGEN (PPM) 6.6
 WATER TEMP (C) + 10.5 VISIBILITY (M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 232 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 230
 APPEARANCE CLEAR DISCHARGE (L/M) 6.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING NONE PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 24 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 24 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO, N.D. 7.5' MAP, SAMPLE TAKEN FROM PLASTIC PIPE FROM WELL HEAD, WELL LOCATED 25M WEST OF HOUSE AND 1M EAST OF WATER TANK;
 1-60 ROW CROPS AND STOCK;
 1-78 ESTER PARKER & EMERADO, N.D. 58225;

501908 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0908 TIME TAKEN 16/25/07/79 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE

LOCATION: LAT 47.871 (47 52' 15") LONG 97.324 (97 19' 26") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR L-YL-BN ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 10000 DISSOLVED OXYGEN (PPM) 6.5
WATER TEMP (C) + 17.6 VISIBILITY (M) CLEAR PH 7.8 LO-ION PAPER
TOTAL ALKALINITY (PPH) 200 P ALKALINITY (PPH) <5 M ALKALINITY (PPH) 198
APPEARANCE CLEAR DISCHARGE (L/M) 5.00
PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION STEEL
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY INFREQUENT
DEPTH TO PROD HORIZON (M) 15 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 15 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO SE, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED ALONG HOOD FENCE 25M EAST OF HOUSE 4M SOUTH OF RED BARN;
1-60 ROW CROPS, AND STOCK;
1-78 STANLEY SAND & EMERADO, N.D. 58228;

501909 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP (C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0909 TIME TAKEN 17/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.861 (47 51' 39") LONG 97.304 (97 18' 14") CONTAMINANTS NONE
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1280 DISSOLVED OXYGEN (PPM) 10.4
WATER TEMP (C) + 13.5 VISIBILITY (M) CLEAR PH 8.3 LO-ION PAPER
TOTAL ALKALINITY (PPH) 400 P ALKALINITY (PPH) 20 M ALKALINITY (PPH) 389
APPEARANCE CLEAR DISCHARGE (L/M) 10.00
PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION OTHER CASING OTHER PIPE COMPOSITION OTHER
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON (M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH (M) 6 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO, S.E. N.D. 7.5' MAP SAMPLE TAKEN FROM WELL, WELL LOCATED 15M NORTH OF HOUSE 10M EAST OF PROPANE TANK;
1-78 ELWOOD SAUER & EMERADO, N.D. 58228;
3-19 WATER BROUGHT UP BY ROPE AND BUCKET;
3-20 CEMENT CASING;
3-21 PIPE TAKEN OUT;

501910 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP (C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0910 TIME TAKEN 18/25/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.816 (47 48' 57") LONG 97.340 (97 20' 24") CONTAMINANTS OTHER
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP(C) + 10.1
 TOTAL ALKALINITY (PPM) 294
 APPEARANCE CLEAR
 PRODUCING HORIZON KGFL

CONDUCTIVITY (MICROMHOS/CM) 2760
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) 25
 DISCHARGE (L/M) 6.00
 CONFIDENCE HIGH

DISSOLVED OXYGEN (PPM) 5.8
 PH 8.7 LO-ION PAPER
 M ALKALINITY (PPM) 292

SOURCE PUBLICATION

WELL INFORMATION:
 TYPE DRILLED
 METERS FROM HEAD 0
 DEPTH TO PROD HORIZON (M) 64
 WELL DEPTH (M) 64

POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK NONE
 CONFIDENCE OF PRODUCING DEPTH POSSIBLE
 CONFIDENCE OF WELL DEPTH POSSIBLE

CASING STEEL
 USE STOCK
 SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 SOURCE OF DEPTH INFORMATION OWNER

PIPE COMPOSITION STEEL
 PUMPING FREQUENCY FREQUENT

REMARKS:
 1-38 EMERADO S.E. N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED IN WELL SHED 40M SOUTH OF HOUSE, 10M EAST OF RED BARN;
 1-60 STOCK;
 1-78 ARNOLD LEAKE & EMERADO, N.D. 58228;

501911 TYPE WELL WATER REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0911 TIME TAKEN 18/25/07/79
 LOCATION: LAT 47.826 (47 49' 33") LONG 97.409 (97 24' 32")
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 26.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA

SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE
 WATER TEMP (C) + 26.1
 TOTAL ALKALINITY (PPM) 389
 APPEARANCE CLEAR
 PRODUCING HORIZON OPG

CONDUCTIVITY (MICROMHOS/CM) 1450
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) 25
 DISCHARGE (L/M) 10.00
 CONFIDENCE HIGH

DISSOLVED OXYGEN (PPM) 3.7
 PH 8.2 LO-ION PAPER
 M ALKALINITY (PPM) 390

SOURCE PUBLICATION

WELL INFORMATION:
 TYPE DRILLED
 METERS FROM HEAD 10
 DEPTH TO PROD HORIZON (M) 38
 WELL DEPTH (M) 38

POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK AFTER
 CONFIDENCE OF PRODUCING DEPTH POSSIBLE
 CONFIDENCE OF WELL DEPTH POSSIBLE

CASING STEEL
 USE STOCK
 SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 SOURCE OF DEPTH INFORMATION OWNER

PIPE COMPOSITION PLASTIC
 PUMPING FREQUENCY FREQUENT

REMARKS:
 1-38 EMERADO S.W. N.D. 7.5' MAP, SAMPLE TAKEN FROM BARN FAUCET, WELL LOCATED 5M EAST OF WHITE BARN BELOW CEMENT COVER;
 1-60 SUBMERSIBLE PUMP, ROW CROPS AND STOCK;
 1-78 MAIER & BOX 45 & EMERADO, N.D. 58228;

501912 TYPE WELL WATER REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0912 TIME TAKEN 13/26/07/79
 LOCATION: LAT 47.775 (47 46' 30") LONG 97.291 (97 17' 27")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 27.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA

SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE
 WATER TEMP (C) + 11.4
 TOTAL ALKALINITY (PPM) 264
 APPEARANCE CLEAR
 PRODUCING HORIZON OPG

CONDUCTIVITY (MICROMHOS/CM) 4820
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) 25
 DISCHARGE (L/M) 11.00
 CONFIDENCE POSSIBLE

DISSOLVED OXYGEN (PPM) 2.2
 PH 5.9 LO-ION PAPER
 M ALKALINITY (PPM) 262

SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	GALVANIZED	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	2	WITH RESPECT TO PRESSURE TANK	AFTER	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	31	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	31	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 EMERADO S.E. N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT 2M NORTH OF WELL HEAD, WELL LOCATED BELOW PUMP 30M NORTH OF OLD WHITE HOUSE AND 2M SOUTH OF CHICKEN HOUSE;
 1-60 ROW CROPS AND STOCK;
 1-78 GEORGE HOSELTON & THOMPSON, N.D. 58278;

501913	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 27.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0913	TIME TAKEN	14/26/07/75	RELIEF	LOW
	LOCATION: LAT	47.774 (47 46' 26")	LONG	97.336 (97 20' 9")	CONTAMINANTS	AGRICULTURA	VEGETATION DECIDUOUS-MODERATE
	SURFACE GEOL UNIT	QTL	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	370	DISSOLVED OXYGEN(PPH)	5.1
WATER TEMP(C)	+ 17.0	VISIBILITY(M)	CLEAR	PH	7.4 LO-ION PAPER
TOTAL ALKALINITY(PPH)	220	P ALKALINITY(PPH)	<5	M ALKALINITY(PPH)	220
APPEARANCE	CLEAR	DISCHARGE(L/M)	6.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	OTHER	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	12	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	3	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	3	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 EMERADO S.E. N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 4M NORTH OF HOUSE, 1M SOUTH OF DRIVEWAY BELOW GRASS LAWN;
 1-60 ROW CROPS AND GRAVEL PIT;
 1-78 DELMER ROEDER & THOMPSON, N.D. 58278;
 3-20 CEMENT CASING;

501914	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 26.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0914	TIME TAKEN	14/26/07/79	RELIEF	LOW
	LOCATION: LAT	47.769 (47 46' 8")	LONG	97.430 (97 25' 48")	CONTAMINANTS	AGRICULTURA	VEGETATION DECIDUOUS-MODERATE
	SURFACE GEOL UNIT	QTL	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1130	DISSOLVED OXYGEN(PPH)	3.0
WATER TEMP(C)	+ 22.0	VISIBILITY(M)	CLEAR	PH	7.1 LO-ION PAPER
TOTAL ALKALINITY(PPH)	422	P ALKALINITY(PPH)	<5	M ALKALINITY(PPH)	420
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	UNKNOWN	PIPE COMPOSITION	UNKNOWN
METERS FROM HEAD	7	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	4	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		

WELL DEPTH(M) 4 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO S.W. N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED IN BASEMENT BELOW KITCHEN;
1-60 ROW CROPS;
1-78 MRS. ADOLPH KORDAHL & NORTHWOOD, N.D. 58627;

501915 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0915 TIME TAKEN 14/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.775(47 46'30") LONG 97.461(97 27'39") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1130 DISSOLVED OXYGEN(PPM) 6.6
WATER TEMP(C) + 18.5 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
TOTAL ALKALINITY(PPM) 332 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 330
APPEARANCE CLEAR DISCHARGE(L/M) 10.00
PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO S.W. N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED BELOW PLANTER ON EAST SIDE OF HOUSE 10M WEST OF DRIVEWAY;
1-60 ROW CROPS;
1-78 KENT GRONLIE & NORTHWOOD, N.D. 58267;
3-20 CEMENT CASING;

501916 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0916 TIME TAKEN 15/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.808(47 48'28") LONG 97.452(97 27' 7") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 660 DISSOLVED OXYGEN(PPM) 2.3
WATER TEMP(C) + 19.2 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY(PPM) 319 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 316
APPEARANCE CLEAR DISCHARGE(L/M) 9.00
PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 4 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 4 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO S.W. N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED BELOW CONCRETE CAP ALONG WEST SIDE OF HOUSE, 7M EAST OF OLD WINDMILL;

1-60 ROW CROPS;
1-78 HARLEY MYHRE & ROUTE 1, NORTHWOOD, N.D. 58267;
3-20 CEMENT CASING;

501917 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0917 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.838(47 50'16") LONG 97.478(97 28'40") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 930 DISSOLVED OXYGEN(PPM) 2.7
WATER TEMP(C) + 14.4 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY(PPM) 348 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 346
APPEARANCE CLEAR DISCHARGE(L/M) 10.00
PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO S.W. N.D., 7.5' MAP, SAMPLE TAKEN FROM HOSE AT HOUSE OUTSIDE FAUCET, WELL LOCATED BELOW CEMENT CAP 3M NORTH OF
WHITE HOUSE AND TIM SOUTH OF DRIVEWAY;
1-60 ROW CROPS AND STOCK;
1-78 ED KAYS & EMERADO, N.D. 58220;
3-20 CEMENT CASING;

501918 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0918 TIME TAKEN 15/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.845(47 50'42") LONG 97.440(97 26'24") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 9460 DISSOLVED OXYGEN(PPM) 3.3
WATER TEMP(C) + 10.9 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY(PPM) 148 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 146
APPEARANCE CLEAR DISCHARGE(L/M) 12.00
PRODUCING HORIZON KGBM CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING NONE PIPE COMPOSITION STEEL
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 129 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 129 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 EMERADO S.W. N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED 100M SOUTH OF NEW WHITE HOUSE, 7M EAST OF GALVANIZED
SHED;
1-60 SUBMERSIBLE PUMP, AND ROW CROPS, STOCK;
1-78 ARNOLD PAULSON & EMERADO, N.D. 58228;

501919 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE G MAP NL1403 SITE 0919 TIME TAKEN 16/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.886 (47 53' 9") LONG 97.452 (97 27' 7") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 0.50 DEPTH(M) 0.50 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 ARVILLA N.D. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM BRIDGE, INTERVAL OVER 25M STARTING 10M NORTH OF BARBED FENCE;
 1-60 ROW CROPS;

501920 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0920 TIME TAKEN 17/26/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.962 (47 57' 43") LONG 97.476 (97 28' 33") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QAL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL(%) 20

REMARKS:

1-38 ARVILLA, N.D. 7.5' MAP, SAMPLE TAKEN 30M NORTH OF ROAD, INTERVAL OVER 20M STARTING AT NORTHWARD BEND;
 1-60 ROW CROPS AND GRAVEL PIT ABOUT 1KM UPSTREAM;

501921 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0921 TIME TAKEN 17/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.944 (47 56' 38") LONG 97.327 (97 19' 37") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 0.50 DEPTH(M) 0.50 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 15

REMARKS:

1-38 EMERADO N.D. 7.5' MAP, SAMPLE TAKEN 50M WEST OF ROAD, INTERVAL OVER 25M STARTING 10M SOUTH OF ROW CROPS;
 1-60 ROW CROPS;

501922 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0922 TIME TAKEN 18/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.926 (47 55' 33") LONG 97.285 (97 17' 6") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 0.80 DEPTH(M) 0.50 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR L-BN-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 EMERADO N.D. 7.5' MAP, SAMPLE TAKEN 100M WEST OF ROAD, INTERVAL OVER 20M STARTING 10M SOUTH OF STREAM JUNCTION;
 1-60 ROW CROPS (SUGAR BEETS);

501923 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0923 TIME TAKEN 18/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.895 (47 53'42") LONG 97.268 (97 16' 4") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT DTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 0.50 DEPTH(M) 0.20 LEVEL POOLS
 BED MATERIAL SILT SAMPLE: COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 EMERADO N.D. 7.5' MAP, SAMPLE TAKEN 150M EAST OF ROAD, INTERVAL OVER 25M STARTING 25M NORTHEAST OF WHITE SHED;
 1-60 ROW CROPS;

501924 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0924 TIME TAKEN 19/26/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.889 (47 53'20") LONG 97.352 (97 21' 7") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SAND SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL(%) 35

REMARKS:

1-38 EMERADO N.D. 7.5' MAP, SAMPLE TAKEN 40M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING AT HALF DEAD ELM TREE;
 1-60 ROW CROPS AND SOIL;

501925 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 24.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0925 TIME TAKEN 08/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.865 (47 51'54") LONG 97.279 (97 16'44") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL(%) 60

REMARKS:

1-38 EMERADO S.E. N.D. 7.5' MAP, SAMPLE TAKEN 30M EAST OF ROAD, INTERVAL OVER 20M STARTING 20M EAST OF BARBED FENCE AND ELM
 TREES;
 1-60 ROW CROPS AND SOIL;

501926 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 24.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0926 TIME TAKEN 08/27/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.863 (47 51'46") LONG 97.265 (97 15'54") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.50 LEVEL POOLS
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 EMERADO S.E. N.D. 7.5' MAP, SAMPLE TAKEN 125M NORTH OF ROAD, INTERVAL OVER 25M STARTING AT EASTWARD BEND;

1-60 ROW CROPS;

501927 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0927 TIME TAKEN 09/27/07/79
 LOCATION: LAT 47.797 (47 47'49") LONG 97.364 (97 21'50")
 AIR TEMP (C) + 26.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC) NONE
 WATER: WIDTH (M) 0.50 DEPTH (M) 0.50 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR H-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL (%) 12

REMARKS:

1-38 EHERADO S.E. N.D. 7.5' MAP, SAMPLE TAKEN 35M UPSTREAM FROM ROAD, INTERVAL OVER 25M STARTING AT SOUTHWARD BEND;
 1-60 ROW CROPS (WHEAT);

501928 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0928 TIME TAKEN 09/24/07/79
 LOCATION: LAT 47.743 (47 44'34") LONG 96.130 (96 7'48")
 AIR TEMP (C) + 22.5 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC) NONE
 WATER: WIDTH (M) 2.00 DEPTH (M) 0.40 LEVEL NORMAL
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR D-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 8 ORGANIC MATERIAL (%) 55

REMARKS:

1-38 MENTOR, MINN. 7.5' MAP, SAMPLE TAKEN 300M SOUTH OF ROAD, INTERVAL OVER 25M STARTING 10M SOUTH OF STREAM JUNCTION;
 1-60 ROW CROPS;

501929 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0929 TIME TAKEN 10/24/07/79
 LOCATION: LAT 47.541 (47 32'27") LONG 96.173 (96 10'22")
 AIR TEMP (C) + 24.5 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC)
 WATER: WIDTH (M) DEPTH (M) LEVEL DRY
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 9 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 HALVERSON LAKE, MINN. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 25M STARTING 30M SOUTH OF TELEPHONE
 POLE;
 1-60 ROW CROPS AND STOCK (PIGS);

501930 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0930 TIME TAKEN 10/24/07/79
 LOCATION: LAT 47.529 (47 31'44") LONG 96.156 (96 9'21")
 AIR TEMP (C) + 25.0 WEATHER LT WIND-PT CLDY
 RELIEF LOW VEGETATION DECIDUOUS-DENSE
 CONTAMINANTS NONE STREAM FLOW (M/SEC) STAG
 WATER: WIDTH (M) 2.00 DEPTH (M) 0.50 LEVEL POOLS
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL (%) 70

REMARKS:

1-38 HALVERSON LAKE, MINN. 7.5' MAP, SAMPLE TAKEN 30M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 200M EAST OF RED BARN;

501931 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 26.5 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0931 TIME TAKEN 10/24/07/79 RELIEF LOW VEGETATION BRUSH-MODERATE
 LOCATION: LAT 47.510 (47 30' 36") LONG 96.130 (96 7' 48") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 WATER: WIDTH(M) 7.00 DEPTH(M) 3.00 LEVEL POOLS
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR L-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL (%) 45

REMARKS:

1-38 HALVERSON LAKE, MINN. 7.5' MAP, SAMPLE TAKEN 10M FROM ROAD, INTERVAL OVER 30M STARTING 500M EAST OF HOUSE;
 1-60 ROW CROPS;

501932 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0932 TIME TAKEN 11/24/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.512 (47 30' 43") LONG 96.015 (96 0' 54") CONTAMINANTS NONE STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 2.00 DEPTH(M) 1.00 LEVEL NORMAL
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 9 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 UNTON LAKE, MINN. 7.5' MAP, SAMPLE TAKEN 125M DOWNSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 15M UPSTREAM FROM JUNCTION;

501933 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0933 TIME TAKEN 11/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.486 (47 29' 9") LONG 96.082 (96 4' 55") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 WATER: WIDTH(M) 4.00 DEPTH(M) 0.50 LEVEL POOLS
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SAND SAMPLE: COLOR M-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 9 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 FAITH N.E. MINN. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 25M STARTING 400M SOUTH OF WHITE BARN;
 1-60 ROW CROPS;

501934 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0934 TIME TAKEN 12/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.455 (47 27' 18") LONG 96.109 (96 6' 32") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 0.50 DEPTH(M) 0.50 LEVEL LOW
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL (%) 15

REMARKS:

1-38 FAITH N.E. MINN. 7.5' MAP SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 25M STARTING 30M NORTH OF TELEPHONE POLE;
1-60 ROW CROPS;

501936 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0936 TIME TAKEN 12/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.411 (47 24' 39") LONG 96.194 (96 11' 38") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
WATER: WIDTH(M) 0.50 DEPTH(M) 0.30 LEVEL NORMAL
SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 RANUM, MINN. 7.5' MAP SAMPLE TAKEN 130M SOUTH OF ROAD, INTERVAL OVER 20M STARTING 300M EAST OF TELEPHONE POLE;
1-60 ROW CROPS;

501937 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0937 TIME TAKEN 12/24/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.348 (47 20' 52") LONG 96.193 (96 11' 34") CONTAMINANTS NONE STREAM FLOW(M/SEC) NONE
WATER: WIDTH(M) 2.00 DEPTH(M) 0.50 LEVEL NORMAL
SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR L-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 9 ORGANIC MATERIAL (%) 25

REMARKS:

1-38 WAUKON, MINN. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING FINE SILT BEACH;

501938 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0938 TIME TAKEN 13/24/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.325 (47 19' 30") LONG 96.231 (96 13' 5") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR L-OR-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 WAUKON, MINN. 7.5' MAP, SAMPLE TAKEN 30M UPSTREAM FROM ROAD, INTERVAL OVER 25M STARTING 15M EAST OF ROW CROPS;
1-60 ROW CROPS;

501939 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0939 TIME TAKEN 13/24/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.306 (47 18' 21") LONG 96.236 (96 14' 9") CONTAMINANTS OTHER STREAM FLOW(M/SEC) NONE
WATER: WIDTH(M) 2.00 DEPTH(M) 0.50 LEVEL NORMAL

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE COLOR L-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL (%) 10

REMARKS:

J-38 WAUKON MINN. 7.5' MAP, SAMPLE TAKEN 30M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 30M SOUTH OF WHITE HOUSE;
1-60 STOCK;

501940 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0940 TIME TAKEN 13/24/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.275(47 16' 30") LONG 96.247(96 14' 49") CONTAMINANTS NONE STREAM FLOW(M/SEC) STAG

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 1.00 DEPTH(M) 0.30 LEVEL POOLS
BED MATERIAL SILT SAMPLE: COLOR L-OR-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 9 ORGANIC MATERIAL (%) 30

REMARKS:

J-38 WAUKON MINN. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 15M EAST OF WIRE FENCE;

501941 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0941 TIME TAKEN 14/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.252(47 15' 7") LONG 96.171(96 10' 15") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 15.00 DEPTH(M) 0.80 LEVEL POOLS
BED MATERIAL SILT SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL (%) 30

REMARKS:

J-38 WAUKON, MINN. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD INTERVAL OVER 20M STARTING 25M SOUTH OF ORANGE HELL HAND PUMP
MAIL BOX;
1-60 ROW CROPS;

501942 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0942 TIME TAKEN 14/24/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.338(47 20' 16") LONG 96.151(96 9' 3") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR L-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL (%) 25

REMARKS:

J-38 WAUKON MINN. 7.5' MAP, SAMPLE TAKEN 30M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING AT BEND SOUTHWARD;
1-60 ROW CROPS AND SOME SOIL;

501943 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY

PHASE 2 MAP NL 1403 SITE 0943 TIME TAKEN 12/27/07/79
 LOCATION: LAT 47.490 (47 29'24") LONG 97.259 (97 15'32")
 SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015

RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP (C) + 7.5 CONDUCTIVITY (MICROMHOS/CM) 4920 DISSOLVED OXYGEN (PPM) 3.4
 TOTAL ALKALINITY (PPM) 216 VISIBILITY (M) CLEAR PH 6.2 LO-ION PAPER
 APPEARANCE CLEAR P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 212
 PRODUCING HORIZON KGBM DISCHARGE (L/M) 11.00
 CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 120 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 120 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 MAYVILLE SOUTH, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED 2M EAST OF BARN AND 25M SOUTHWEST OF HOUSE;
 1-60 ROW CROPS AND LIVESTOCK;
 1-78 JOHN ROSEVOLD & ROUTE 2 & MAYVILLE, N.D. 58257;

501944 TYPE WELL WATER REPLICATE SAMPLER SLK
 PHASE 2 MAP NL 1403 SITE 0944 TIME TAKEN 13/27/07/79
 LOCATION: LAT 47.488 (47 29'16") LONG 97.326 (97 19'33")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 28.0 WEATHER LT WIND-RAINY
 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP (C) + 14.3 CONDUCTIVITY (MICROMHOS/CM) 5320 DISSOLVED OXYGEN (PPM) 3.4
 TOTAL ALKALINITY (PPM) 180 VISIBILITY (M) CLEAR PH 6.3 LO-ION PAPER
 APPEARANCE CLEAR P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 178
 PRODUCING HORIZON KGBM DISCHARGE (L/M) 8.00
 CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 70 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 120 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 120 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 MAYVILLE SOUTH N.D. 7.5' MAP SAMPLE TAKEN FROM RUBBER HOSE ON SOUTH SIDE OF BRIDGE, WELL LOCATED ON NORTH SIDE OF BRIDGE
 10M NORTH OF STREAM;
 1-60 ROW CROPS AND STOCK;
 1-78 DANIEL WALKER & MAYVILLE, N.D. 58257;

501945 TYPE WELL WATER REPLICATE SAMPLER SLK
 PHASE 2 MAP NL 1403 SITE 0945 TIME TAKEN 13/27/07/79
 LOCATION: LAT 47.483 (47 28'58") LONG 97.428 (97 25'40")
 SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 27.0 WEATHER LT WIND-RAINY
 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 540 DISSOLVED OXYGEN (PPM) 3.2

WATER TEMP(C) + 74.7 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 300 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 299
 APPEARANCE CLEAR DISCHARGE(L/M) 12.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 25 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 9 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG N.W. N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED UNDER WINDMILL 7M NORTH OF RED BARN, 25M SOUTH OF HOUSE;
 1-60 ROW CROPS;
 1-78 ARTHUR HOULEND & PORTLAND, N.D. 58274;
 3-20 CEMENT CASING;

501946 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0946 TIME TAKEN 11/27/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.486 (47 29' 9") LONG 97.489 (97 29' 20") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL - QDOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 970 DISSOLVED OXYGEN(PPM) 7.7
 WATER TEMP(C) + 18.8 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 378 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 374
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK NONE USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 4 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 4 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG N.W. N.D. 7.5' MAP SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED IN WELL SHED, 15M EAST OF HOUSE, 7M WEST OF BARN;
 1-60 ROW CROPS AND STOCK;
 1-78 LOREN KENSrud & PORTLAND, N.D. 58274;

501947 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 28.5 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0947 TIME TAKEN 11/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.440 (47 26' 24") LONG 97.311 (97 18' 39") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL - QDOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3590 DISSOLVED OXYGEN(PPM) 5.5
 WATER TEMP(C) + 9.3 VISIBILITY(M) CLEAR PH 4.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 222 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 221
 APPEARANCE CLEAR DISCHARGE(L/M) 9.00
 PRODUCING HORIZON KGBM CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	STEEL	PIPE COMPOSITION	STEEL
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	120	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	120	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 MAYVILLE SOUTH, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED IN WHITE SHED 30M WEST OF HOUSE, 15M SOUTHWEST OF RED PIG BARN;
 1-60 ROW CROPS AND LIVESTOCK;
 1-78 ALDUS BRAATEN & ROUTE 2 & MAYVILLE, N.D. 58257;

501948	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 29.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0948	TIME TAKEN	12/28/07/79	RELIEF	LOW
	LOCATION: LAT	47.385 (47 23' 6")	LONG	97.252 (97 15' 7")	CONTAMINANTS	AGRICULTURA	VEGETATION GRASS-MODERATE
	SURFACE GEOL UNIT	QTL	RESULTS REQ NO	RELEASED	801015	SAMPLE: COLOR	-CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	5190	DISSOLVED OXYGEN (PPM)	7.1
WATER TEMP (C)	+ 13.9	VISIBILITY (M)	CLEAR	PH	7.0 LO-ION PAPER
TOTAL ALKALINITY (PPM)	236	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	236
APPEARANCE	CLEAR	DISCHARGE (L/M)	25.00	SOURCE	PUBLICATION
PRODUCING HORIZON	KGBH	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	UNKNOWN	PIPE COMPOSITION	UNKNOWN
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	NONE	PUMPING FREQUENCY	RARE
DEPTH TO PROD HORIZON(M)	120	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	120	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE		

REMARKS:

1-38 MAYVILLE SOUTH N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED 100M EAST OF STORAGE BINS, AND 7M EAST OF ELECTRICAL FENCE;
 1-60 ROW CROPS;
 1-78 ABANDONED HOUSE;

501949	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 29.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0949	TIME TAKEN	12/28/07/79	RELIEF	LOW
	LOCATION: LAT	47.390 (47 23' 24")	LONG	97.324 (97 19' 26")	CONTAMINANTS	AGRICULTURA	VEGETATION DECIDUOUS-MODERATE
	SURFACE GEOL UNIT	QTL	RESULTS REQ YES	RELEASED	801015	SAMPLE: COLOR	-CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	4550	DISSOLVED OXYGEN (PPM)	5.7
WATER TEMP (C)	+ 10.3	VISIBILITY (M)	CLEAR	PH	6.9 LO-ION PAPER
TOTAL ALKALINITY (PPM)	422	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	420
APPEARANCE	CLEAR	DISCHARGE (L/M)	12.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	OTHER	PIPE COMPOSITION	OTHER
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	8	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	8	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 MAYVILLE SOUTH, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED ALONG BARBED FENCE 2M WEST OF RED BARN, 25M NORTH OF HOUSE;
1-60 ROW CROPS, AND STOCK;
1-78 G.A. LANGLIE & MAYVILLE, N.D. 58257;
3-20 CEMENT CRIB;
3-21 PLASTIC TUBE ATTACHED TO PORTABLE PUMP;

501950 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 29.5 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0950 TIME TAKEN 13/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.337(47 20' 13") LONG 97.327(97 19' 37") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4690 DISSOLVED OXYGEN(PPM) 4.1
WATER TEMP(C) + 11.2 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
TOTAL ALKALINITY(PPM) 260 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 256
APPEARANCE CLEAR DISCHARGE(L/M) 12.00
PRODUCING HORIZON KGBM CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING NONE PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK NONE USE HOUSE STOCK PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 120 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 120 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG S.E. N.D. 7.5' MAP, SAMPLE TAKEN FROM RED HYDRANT ALONG WHITE FENCE 2M WEST OF WHITE BARN, WELL LOCATED 2M WEST OF BARN 100M SOUTH OF GREEN HOUSE;
1-60 ROW CROPS AND LIVESTOCK;
1-78 JAMES D. OLSON & BLANCHIED, N.D. 58009;

501951 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL 1403 SITE 0951 TIME TAKEN 14/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.350(47 21' 0") LONG 97.284(97 17' 2") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4870 DISSOLVED OXYGEN(PPM) 3.4
WATER TEMP(C) + 10.9 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY(PPM) 248 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 250
APPEARANCE CLEAR DISCHARGE(L/M) 30.00
PRODUCING HORIZON KGBM CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING NONE PIPE COMPOSITION STEEL
METERS FROM HEAD 10 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 144 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 144 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG S.E. N.D. 7.5' MAP, SAMPLE TAKEN FROM PLASTIC TUBE INSIDE BARN, WELL LOCATED UNDER BARN 30M WEST OF HOUSE 15M SOUTH OF WOOD FENCE;

1-60 ROW CROPS AND LIVESTOCK;
1-78 HOWARD BROWN & BLANCHARD, N.D. 58009;

501952 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0952 TIME TAKEN 14/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.311(47 18'39") LONG 97.281(97 16'51") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR L-OR-BN ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 450 DISSOLVED OXYGEN(PPM) 5.6
WATER TEMP(C) + 14.5 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
TOTAL ALKALINITY(PPM) 223 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 221
APPEARANCE CLEAR DISCHARGE(L/M) 10.00
PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE IRRIGATION PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 37 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 37 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG S.E. N.D. 7.5' MAP SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED IN WHITE HOUSE 70M SOUTH EAST AND ACROSS ROAD FROM WHITE HOUSE;
1-60 ROW CROPS;
1-78 HARRIS LAMMERS & BLANCHER, N.D. 58009;

501953 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0953 TIME TAKEN 15/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.284(47 17' 2") LONG 97.347(97 20'49") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 430 DISSOLVED OXYGEN(PPM) 5.7
WATER TEMP(C) + 11.8 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY(PPM) 285 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 281
APPEARANCE CLEAR DISCHARGE(L/M) 8.00
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION STEEL
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON(M) 7 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 7 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 GALESBURG SOUTH., N.D. 7.5' MAP, SAMPLE TAKEN FROM WHITE HAND PUMP, WELL LOCATED 8M. WEST OF CHURCH, 2M. EAST OF PINE TREES;
1-60 ROW CROPS;
1-78 SJORDAHL CHURCH, & BLANCHER, N.D. 58009;
3-20 CEMENT CASING;

501954 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0954 TIME TAKEN 15/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.285 (47 17' 6") LONG 97.419 (97 25' 8") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 540 DISSOLVED OXYGEN (PPM) 5.8
 WATER TEMP (C) + 9.9 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 228 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 228
 APPEARANCE CLEAR DISCHARGE (L/M) 9.00
 PRODUCING HORIZON QPL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 7 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 7 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 GALESBURG, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED 3M. SOUTH OF RED BARN, AND 25M. EAST OF MAIN HOUSE;
 1-60 ROW CROPS;
 1-78 OTTO DAHLE & GALESBURG N.D. 58035;
 3-20 CEMENT CASING;

501955 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0955 TIME TAKEN 15/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.286 (47 17' 9") LONG 97.464 (97 27' 50") CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC) STAG
 SURFACE GEOL UNIT QPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH (M) 2.00 DEPTH (M) 0.50 LEVEL POOLS
 BED MATERIAL SILT SAMPLE: COLOR D-BN-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL (%) 30

REMARKS:
 1-38 GALESBURG, N.D. 7.5' MAP, SAMPLE TAKEN 200M. NORTH OF ROAD, INTERVAL OVER 20M. STARTING 10M. EAST OF BARBED FENCE;
 1-60 ROW CROPS, LIVESTOCK AND GRAVEL PIT APPROXIMATELY 300M. DUE EAST;

501956 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0956 TIME TAKEN 16/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.280 (47 16' 48") LONG 97.466 (97 27' 57") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 550 DISSOLVED OXYGEN (PPM) 3.5
 WATER TEMP (C) + 15.7 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 232 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 228
 APPEARANCE CLEAR DISCHARGE (L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION STEEL
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 9 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE

WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG, N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 25M. SOUTH OF YELLOW HOUSE AND 3M. NORTH OF STORAGE BIN, ALONG WIRE FENCE;
 1-60 ROW CROPS, AND LIVESTOCK;
 1-78 ALVIN OLSTAD & GALESBURG, N.D. 58035;

501957 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0957 TIME TAKEN 16/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.322(47 19' 19") LONG 97.474(97 28' 26") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2450 DISSOLVED OXYGEN(PPM) 4.7
 WATER TEMP(C) + 11.6 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 398
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 24 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 24 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED IN WHITE SHED 25M. WEST OF HOUSE, 5M. NORTHWEST OF GALVANIZED GARAGE;
 1-60 ROW CROPS AND STOCK;
 1-78 W.D. HENDERSON & GALESBURG, N.D. 58035;
 3-20 WOOD CASING;

501958 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0958 TIME TAKEN 17/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.324(47 19' 26") LONG 97.389(97 23' 20") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 920 DISSOLVED OXYGEN(PPM) 5.2
 WATER TEMP(C) + 15.8 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 430 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 426
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 30 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED IN RED BRICK SHED, 10M. WEST OF SYLO AND 20M. SOUTH OF

WHITE HOUSE (MAIN HOUSE);
 1-60 ROW CROPS AND LIVESTOCK;
 1-78 THOMAS RD & CLIFFORD, N.D. 58016;
 3-20 CEMENT CASING;

501960 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0960 TIME TAKEN 17/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.400 (47 24' 0") LONG 97.420 (97 25' 12") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 510 DISSOLVED OXYGEN(PPM) 4.2
 WATER TEMP(C) + 15.2 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 240 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 236
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 4 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 4 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG N.W. N.D. 7.5' MAP SAMPLE TAKEN FROM HOSE, WELL LOCATED IN WHITE WELL SHED 25M. SOUTH OF BARN 25M. EAST OF HOUSE;
 1-60 ROW CROPS AND LIVESTOCK;
 1-78 PERRY KNUDSEIG & CLIFFORD, N.D. 58016;
 3-20 CEMENT CASING;

501961 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0961 TIME TAKEN 18/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.393 (47 23' 34") LONG 97.454 (97 27' 14") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 530 DISSOLVED OXYGEN(PPM) 3.4
 WATER TEMP(C) + 13.6 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 218 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 217
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 6 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 6 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG, N.W. N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT IN PUMP HOUSE, WELL LOCATED IN PUMP HOUSE UNDER CEMENT COVER, 30M. NORTH BLUE HOUSE, 1M. WEST OF BARN;
 1-60 ROW CROPS, AND STOCK;
 1-78 DAN THOMPSON & CLIFFORD, N.D. 58016;

3-20 CEMENT CASING

501962 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0962 TIME TAKEN 18/28/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.447 (47 26' 27") LONG 97.489 (97 29' 20") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QPL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 3.00 DEPTH(M) 0.50 LEVEL NORMAL
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 GALESBURG N.W. N.D. 7.5' MAP, SAMPLE 125H, UPSTREAM FROM ROAD, INTERVAL OVER 25M, STARTING 10M. SOUTH OF ROW CROPS;
 1-60 ROW CROPS;

501963 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0963 TIME TAKEN 19/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.444 (47 26' 38") LONG 97.486 (97 29' 9") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR U-YL-WH ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT FILTERED ONLY CONDUCTIVITY(MICROMHOS/CM) 1150 DISSOLVED OXYGEN(PPM) 3.7
 WATER TEMP(C) + 16.5 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 330 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 327
 APPEARANCE CLEAR DISCHARGE(L/M) 18.00
 PRODUCING HORIZON QPL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION UNKNOWN
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK BEFORE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 27 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 27 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GALESBURG N.W. N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT, WELL LOCATED UNDER WOOD COVER 25M. NORTHWEST OF HOUSE 5M. WEST OF
 GARAGE;
 1-60 ROW CROPS, AND STOCK;
 1-78 BENNET RINDY & ROUTE 1 & PORTLAND, N.D. 58274;

501964 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0964 TIME TAKEN 19/28/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.447 (47 26' 49") LONG 97.407 (97 24' 25") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4050 DISSOLVED OXYGEN(PPM) 6.2
 WATER TEMP(C) + 10.5 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 228 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 225
 APPEARANCE CLEAR DISCHARGE(L/M) 6.00
 PRODUCING HORIZON KGBM CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	GALVANIZED	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	120	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	120	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 GALESBURG N.W., N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED IN SHED 25M. SOUTH WEST OF STORAGE BINS, 30M. NORTH OF ROW CROPS;
 1-60 ROW CROPS AND STOCK;
 1-78 NELSON BROTHERS & PORTLAND, N.D. 58274;

501965	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 25.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0965	TIME TAKEN	20/28/07/79	RELIEF	LOW
	LOCATION: LAT	47.438 (47 26' 16")	LONG	97.268 (97 16' 4")	CONTAMINANTS	AGRICULTURA	VEGETATION DECIDUOUS-MODERATE
	SURFACE GEOL UNIT	QTL	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	4310	DISSOLVED OXYGEN(PPM)	4.9
WATER TEMP(C)	+ 10.9	VISIBILITY(M)	CLEAR	PH	8.2
TOTAL ALKALINITY(PPM)	116	P ALKALINITY(PPM)	74	M ALKALINITY(PPM)	112
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	STEEL
METERS FROM HEAD	20	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	7	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	7	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE		

REMARKS:

1-38 MAYVILLE SOUTH, N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT 4M SOUTH OF BARN, WELL LOCATED ALONG HEDGE 10M. SOUTH OF HOUSE;
 1-60 ROW CROPS;

501966	TYPE STREAM SEDIMENT	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 24.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL1403	SITE 0966	TIME TAKEN	20/28/07/79	RELIEF	LOW
	LOCATION: LAT	47.457 (47 27' 25")	LONG	97.474 (97 28' 26")	CONTAMINANTS	AGRICULTURA	VEGETATION DECIDUOUS-MODERATE
	SURFACE GEOL UNIT	QPL	RESULTS REQ	NO	RELEASED	801015	STREAM FLOW(M/SEC) NONE
					WATER: WIDTH(M)	1.00	DEPTH(M) 0.50
					BED MATERIAL	SILT	LEVEL NORMAL
							SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION	DRY	SAMPLE TREATMENT	NONE	NUMBER OF GRABS	12	ORGANIC MATERIAL (%)	25
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REMARKS:

1-38 GALESBURG N.W., N.D. 7.5' MAP, SAMPLE TAKEN 200M. DOWNSTREAM FROM ROAD, INTERVAL OVER 20M., STARTING 100M. WEST OF YELLOW HOUSE 10M. EAST OF ROW CROPS;
 1-60 ROW CROPS;

501967	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C)	+ 20.0	WEATHER	LT WIND-OVERCAST
	PHASE 2	MAP NL1403	SITE 0967	TIME TAKEN	09/30/07/79	RELIEF	LOW
	LOCATION: LAT	47.239 (47 14' 20")	LONG	97.061 (97 3' 39")	CONTAMINANTS	AGRICULTURA	VEGETATION DECIDUOUS-MODERATE

SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

SAMPLE: COLOR M-GY-BK ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	250	DISSOLVED OXYGEN (PPM)	3.2
WATER TEMP (C) + 10.5	VISIBILITY (M)	CLEAR	PH 5.7 LO-ION PAPER	
TOTAL ALKALINITY (PPM) 90	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	101
APPEARANCE CLEAR	DISCHARGE (L/M)	8.00		
PRODUCING HORIZON OPG	CONFIDENCE	POSSIBLE	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION	HAND	CASING STEEL	PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 0	WITH RESPECT TO PRESSURE TANK	NONE	USE NONE	PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON (M) 54	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH (M) 54	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 GRANDIN, N.D. 7.5' MAP, SAMPLE TAKEN FROM HAND PUMP ABOVE WELL HEAD, WELL LOCATED 15M. WEST OF RED BARN 20M. NORTH OF ROAD;
 1-60 ROW CROPS;
 1-78 MELVIN BRAG & GRANDIN, N.D. 58038;

501968 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
 PHASE 2 MAP NL 1403 SITE 0968 TIME TAKEN 10/30/07/79
 LOCATION: LAT 47.211 (47 12'39") LONG 97.036 (97 2' 9")
 AIR TEMP (C) + 20.0 WEATHER -OVERCAST
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC) NONE
 WATER: WIDTH (M) 3.00 DEPTH (M) 0.80 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 17 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 GRANDIN, N.D. 7.5' MAP, SAMPLE TAKEN 35M. UPSTREAM FROM ROAD, INTERVAL OVER 20M. STARTING 70M. EAST OF ELM GROVE 50M. NORTH OF POWER POLE;
 1-60 ROW CROPS;

501969 TYPE WELL WATER REPLICATE SAMPLER SLK
 PHASE 2 MAP NL 1403 SITE 0969 TIME TAKEN 10/30/07/79
 LOCATION: LAT 47.209 (47 12'32") LONG 97.060 (97 3'36")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015
 AIR TEMP (C) + 21.0 WEATHER -OVERCAST
 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	2720	DISSOLVED OXYGEN (PPM)	2.9
WATER TEMP (C) + 11.5	VISIBILITY (M)	CLEAR	PH 6.0 LO-ION PAPER	
TOTAL ALKALINITY (PPM) 518	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	517
APPEARANCE CLEAR	DISCHARGE (L/M)	10.00		
PRODUCING HORIZON OPG	CONFIDENCE	POSSIBLE	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING STEEL	PIPE COMPOSITION STEEL
METERS FROM HEAD 30	WITH RESPECT TO PRESSURE TANK	BEFORE	USE HOUSEHOLD	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 54	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH (M) 54	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 GRANDIN ND 7.5 MIN. MAP, SAMPLE TAKEN FROM HYDRANT IN GARAGE, WELL LOCATED IN WHITE SHED ALONG POWER POLE 15 M. WEST OF HOUSE, AND 5 M. NORTH OF DRIVEWAY;

1-60 ROW CROPS;

1-78 J. B. HUMPHREY & GRANDIN, ND 58038;

501970 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 21.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0970 TIME TAKEN 11/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.7152 (47 9' 7") LONG 97.046 (97 2' 45") CONTAMINANTS AGRICULTURE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 340 DISSOLVED OXYGEN(PPM) 4.0
 WATER TEMP(C) + 10.9 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 264 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 261
 APPEARANCE CLEAR DISCHARGE(L/M) 8.00
 PRODUCING HORIZON KGBM CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 100 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 100 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 GRANDIN, N.D. 7.5' MAP, SAMPLE TAKEN FROM FAUCET IN WELL HOUSE, WELL LOCATED IN WHITE HOUSE 18M. SOUTH OF BARN, AND 20M. EAST OF MAIN HOUSE;

1-60 ROW CROPS;

1-78 SAM LOHR & GARDNER, N.D. 58036;

501971 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 20.0 WEATHER -OVERCAST
 PHASE 2 MAP NL1403 SITE 0971 TIME TAKEN 12/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.093 (47 5' 34") LONG 97.043 (97 2' 34") CONTAMINANTS OTHER
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2070 DISSOLVED OXYGEN(PPM) 3.0
 WATER TEMP(C) + 10.5 VISIBILITY(M) CLEAR PH 7.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 580 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 579
 APPEARANCE CLEAR DISCHARGE(L/M) 11.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION STEEL
 METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 65 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 65 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ARTHUR S.E. N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT, WELL LOCATED IN WELL SHED 10M. SOUTH EAST OF HOUSE, 2M. NORTH OF BLUE GARAGE;

1-60-WATER WILL BURN, WHEN CASING WAS REPLACED, A FORM OF PEROLEUM OOZES, JELLO LIKE CONSISTENCY, YELLOW AND BROWN, OWNER COMPLAINS OF GAS TASTE, ROW CROPS;

1-78 VICTOR PACHOLKE & GARDNER, N.D. 580361

501972 TYPE WELL WATER REPLICATE SAMPLER BLK AIR TEMP (C) + 21.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0972 TIME TAKEN 12/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.058 (47 3' 28") LONG 97.050 (97 3' 0") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2870 DISSOLVED OXYGEN (PPM) 3.9
 WATER TEMP (C) + 14.1 VISIBILITY (M) CLEAR PH 8.0 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 624 P ALKALINITY (PPM) 24 M ALKALINITY (PPM) 619
 APPEARANCE CLEAR DISCHARGE (L/M) 11.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 12 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 70 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 70 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ARTHUR S.E., N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT 4M. EAST OF DOG HOUSE, WELL LOCATED IN YELLOW WELL SHED 10M. WEST OF HOUSE 15M. EAST OF GALVANIZED SHED;
 1-60 SUBMERSIBLE PUMP, AND ROW CROPS;
 1-78 EVERT WALKINSHAW & ARGUSVILLE, N.D. 58005;

501973 TYPE WELL WATER REPLICATE SAMPLER BLK AIR TEMP (C) + 21.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0973 TIME TAKEN 13/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.025 (47 1' 30") LONG 97.047 (97 2' 49") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1470 DISSOLVED OXYGEN (PPM) 3.1
 WATER TEMP (C) + 12.8 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 432 P ALKALINITY (PPM) 25 M ALKALINITY (PPM) 432
 APPEARANCE CLEAR DISCHARGE (L/M) 12.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 23 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 23 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ARTHUR S.E., N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT AT CORNER OF BARN, WELL LOCATED BELOW GROUND 1M. SOUTH OF WELL HOUSE, 10M. SOUTH OF WHITE GARAGE;
 1-60 SUBMERSIBLE PUMP, ROW CROPS, AND STOCK;
 1-78 HARRY BERGMAN & ARGUSVILLE, N.D. 58005;
 3-20-COPPER PIPING BELOW SUBMERSIBLE PUMP;

501974 TYPE STREAM SEDIMENT REPLICATE SAMPLER BLK
 PHASE 2 MAP NL1403 SITE 0974 TIME TAKEN 13/30/07/79 AIR TEMP(C) + 20.0 WEATHER LT WIND-OVERCAST
 LOCATION: LAT 47.025(47 1'30") LONG 97.113(97 6'46") RELIEF LOW VEGETATION -MODERATE
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 35

REMARKS:

1-38 ARTHUR S.E., N.D. 7.5' MAP, SAMPLE TAKEN 30M. UPSTREAM FROM ROAD, INTERVAL OVER 20M. STARTING 70M. SOUTH OF ELM TREES;
 1-55 SUGAR BEETS;
 1-60 ROW CROPS;

501975 TYPE WELL WATER REPLICATE SAMPLER BLK
 PHASE 2 MAP NL1403 SITE 0975 TIME TAKEN 14/30/07/79 AIR TEMP(C) + 21.0 WEATHER LT WIND-OVERCAST
 LOCATION: LAT 47.020(47 1'12") LONG 97.120(97 7'15") RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 CONTAMINANTS AGRICULTURA SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2140 DISSOLVED OXYGEN(PPM) 3.6
 WATER TEMP(C) + 10.3 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 1324 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 1321
 APPEARANCE CLEAR DISCHARGE(L/M) 13.00
 PRODUCING HORIZON GPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 15 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 69 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 69 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ARTHUR S.E., N.D. 7.5' MAP, SAMPLE TAKEN FROM HOSE OFF FAUCET UNDER OLD WINDMILL, WELL LOCATED IN HOOD WELL SHED 10M. SOUTH OF WINDMILL, AND 12M. WEST OF STORAGE BINS;
 1-60 SUBMERSIBLE PUMP, ROW CROPS AND LIVESTOCK, AND GAS IN WATER;
 1-78 HERBERT T. NILES & CASTLETON, N.D. 58012;

501976 TYPE WELL WATER REPLICATE SAMPLER BLK
 PHASE 2 MAP NL1403 SITE 0976 TIME TAKEN 14/30/07/79 AIR TEMP(C) + 21.0 WEATHER LT WIND-OVERCAST
 LOCATION: LAT 47.022(47 1'19") LONG 97.209(97 12'32") RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 CONTAMINANTS AGRICULTURA SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2440 DISSOLVED OXYGEN(PPM) 3.5
 WATER TEMP(C) + 13.0 VISIBILITY(M) CLEAR PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 278 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 276
 APPEARANCE CLEAR DISCHARGE(L/M) 13.00
 PRODUCING HORIZON GPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 25 WITH RESPECT TO PRESSURE TANK BEFORE USE NONE PUMPING FREQUENCY RARE

DEPTH TO PROD HORIZON(M)	50	CONFIDENCE OF PRODUCING DEPTH POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	50	CONFIDENCE OF WELL DEPTH POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 ARTHUR N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT IN WORK SHOP, WELL LOCATED BELOW HOUSE IN BASEMENT;
 1-60 ROW CROP, AND SUBMERSIBLE PUMP;
 1-78 FRED NESEMEIER & RURAL ROUTE & AHENTIA, N.D. 58004;

501977 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 22.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0977 TIME TAKEN 15/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.046(47 2'45") LONG 97.198(97 11'52") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	4640	DISSOLVED OXYGEN (PPM)	4.8
WATER TEMP(C) + 14.4	VISIBILITY(M)	CLEAR	PH 8.1 LO-ION PAPER	
TOTAL ALKALINITY (PPM) 224	P ALKALINITY (PPM) <5		M ALKALINITY (PPM) 223	
APPEARANCE CLEAR	DISCHARGE (L/M) 11.00			
PRODUCING HORIZON QPG	CONFIDENCE POSSIBLE		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION ARTESIAN	CASING NONE	PIPE COMPOSITION STEEL
METERS FROM HEAD 0	WITH RESPECT TO PRESSURE TANK AFTER	USE HOUSE/STOCK	PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 75	CONFIDENCE OF PRODUCING DEPTH POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M) 75	CONFIDENCE OF WELL DEPTH POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 ARTHUR, N.D. 7.5' MAP, SAMPLE TAKEN FROM HOSE OFF HOUSE FAUCET, WELL LOCATED BELOW CEMENT PATIO OF HOUSE ON SOUTHWESTERN CORNER 5M EAST OF GARAGE;
 1-60 ROW CROPS;
 1-78 ORVILLE THEN & AHENTIA, N.D. 58004;

501978 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 23.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0978 TIME TAKEN 15/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.049(47 2'56") LONG 97.140(97 8'24") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR U-YL-WH ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	2100	DISSOLVED OXYGEN (PPM)	4.0
WATER TEMP(C) + 10.3	VISIBILITY(M)	CLEAR	PH 7.1 LO-ION PAPER	
TOTAL ALKALINITY (PPM) 1521	P ALKALINITY (PPM) <5		M ALKALINITY (PPM) 1520	
APPEARANCE CLEAR	DISCHARGE (L/M) 11.00			
PRODUCING HORIZON QPG	CONFIDENCE POSSIBLE		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION ELECTRIC	CASING STEEL	PIPE COMPOSITION PLASTIC
METERS FROM HEAD 0	WITH RESPECT TO PRESSURE TANK BEFORE	USE HOUSEHOLD	PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 59	CONFIDENCE OF PRODUCING DEPTH POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M) 59	CONFIDENCE OF WELL DEPTH POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 ARTHUR, N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT ABOVE WELL HEAD, WELL LOCATED UNDERGROUND 7M SOUTH OF HOUSE, 12M NORTH OF OLD WIND MILL;

1-60 SUBMERSTIBLE PUMP AND ROW CROPS;
1-78 G. RADCLIFF & ARMENTIA, N.D. 58004;

501979 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 29.0 WEATHER -PT CLDY
PHASE 2 MAP NL1403 SITE 0979 TIME TAKEN 16:30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.108(47 6'28") LONG 97.182(97 10'55") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4550 DISSOLVED OXYGEN(PPM) 3.5
WATER TEMP(C) + 17.3 VISIBILITY(M) CLEAR PH 8.7 CO-TION PAPER
TOTAL ALKALINITY(PPM) 279 P ALKALINITY(PPM) 20 M ALKALINITY(PPM) 281
APPEARANCE CLEAR DISCHARGE(L/M) 11.00
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 67 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 67 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ARTHUR, N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT ABOVE WELL HEAD, WELL LOCATED BELOW GROUND 4M EAST OF HOUSE 15M WEST OF BARN;

1-60 SUBMERSTIBLE PUMP, ROW CROPS;
1-78 DIANNE JOHNSON & RURAL ROUTE 1 & N.D. 58006;

501980 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0980 TIME TAKEN 17:30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.109(47 6'32") LONG 97.112(97 6'43") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 730 DISSOLVED OXYGEN(PPM) 8.3
WATER TEMP(C) + 12.4 VISIBILITY(M) CLEAR PH 7.6 CO-TION PAPER
TOTAL ALKALINITY(PPM) 330 P ALKALINITY(PPM) 45 M ALKALINITY(PPM) 329
APPEARANCE CLEAR DISCHARGE(L/M) 10.00
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING GALVANIZED PIPE COMPOSITION PLASTIC
METERS FROM HEAD 12 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 16 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 16 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ARTHUR, S.E., N.D. 7.5' SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED UNDER JACK PUMP 12M EAST OF HOUSE, 8M SOUTHWEST OF STORAGE BINS;

1-60 ROW CROPS;
1-78 DWAYNE DICKSON & HUNTER, N.D.;

501981 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0981 TIME TAKEN 17/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.150 (47 9' 0") LONG 97.141 (97 8' 27") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 5230 DISSOLVED OXYGEN (PPM) 5.2
 WATER TEMP (C) + 17.2 VISIBILITY (M) CLEAR PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 270 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 269
 APPEARANCE CLEAR DISCHARGE (L/M) 8.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 35 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 75 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 75 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HUNTER, N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED ACROSS ROAD 1M WEST OF STOCK TANK 15M NORTH OF ROAD;
 1-60 ROW CROPS;
 1-78 DWAYNE HERCH & HUNTER, N.D. 58048;

501982 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0982 TIME TAKEN 18/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.160 (47 9' 36") LONG 97.220 (97 13' 12") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1200 DISSOLVED OXYGEN (PPM) 9.4
 WATER TEMP (C) + 14.1 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 236 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 231
 APPEARANCE CLEAR DISCHARGE (L/M) 10.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 100 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 55 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 55 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HUNTER N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET WELL LOCATED BELOW HYDRANT 30M NORTHWEST OF GARAGE 2 METERS EAST OF
 ELMS;
 1-60 SUBMERSIBLE PUMP, AND ROW CROPS;
 1-78 ROBERT JHEN & HUNTER, N.D. 58048;

501983 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0983 TIME TAKEN 18/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.185 (47 11' 6") LONG 97.195 (97 11' 42") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP(C) + 12.0 CONDUCTIVITY(MICROMHOS/CM) 4640 DISSOLVED OXYGEN(PPM) 5.3
 TOTAL ALKALINITY(PPM) 248 VISIBILITY(M) CLEAR PH 7.8 LO-ION PAPER
 APPEARANCE CLEAR P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 246
 PRODUCING HORIZON QPG DISCHARGE(L/M) 10.00
 CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 75 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 75 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 HUNTER, N.D. 7.5' MAP, SAMPLE TAKEN FROM FAUCET AT WELL HEAD, WELL LOCATED UNDER WOOD SHED 5M NORTH OF POWER POLE, AND 20M EAST OF HOUSE;
 1-60 ROW CROPS;
 1-78 MORRIS MELANDER & HUNTER, N.D. 5804B;

501984 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 25.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0984 TIME TAKEN 19/30/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.181 (47 10' 51") LONG 97.155 (97 9' 18") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL (ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3900 DISSOLVED OXYGEN(PPM) 2.4
 WATER TEMP(C) + 18.6 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 226 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 224
 APPEARANCE CLEAR DISCHARGE(L/M) 7.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:
 TYPE DUG POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION COPPER
 METERS FROM HEAD 5 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 19 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 19 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 HUNTER, N.D. 7.5' MAP, SAMPLE TAKEN FROM OUTSIDE HOUSE FAUCET, WELL LOCATED UNDERGROUND ALONG SOUTH SIDE OF HOUSE ON NORTH OF DRIVEWAY;
 1-60 SUBMERSIBLE PUMP, AND ROW CROPS;
 1-78 DONALD HANSON & HUNTER, N.D. 5804B;

501985 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 22.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0985 TIME TAKEN 19/30/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.184 (47 11' 2") LONG 97.156 (97 9' 21") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 30

REMARKS:
 1-38 HUNTER, N.D. 7.5' MAP, SAMPLE TAKEN 20M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 300M NORTH OF ELM TREES;

1-55 WHEAT CROP;
1-60 ROW CROPS;

501986 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
PHASE 2 MAP NL1403 SITE 0986 TIME TAKEN 11/31/07/79 AIR TEMP(C) + 23.0 WEATHER LT WIND-CLEAR
LOCATION: LAT 47.249 (47 14'56") LONG 97.107 (97 6'25") RELIEF LOW VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
WATER: WIDTH(M) 2.00 DEPTH(M) 0.80 LEVEL NORMAL
SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN QDOR NONE
SEDIMENT INFORMATION:
SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 20

REMARKS:

1-38 GRANDIN, N.D. 7.5' MAP, SAMPLE TAKEN 300M EAST OF ROAD, INTERVAL OVER 20M STARTING 30M EAST OF STREAM JUNCTION
1-60 ROW CROPS;

501989 TYPE WELL WATER REPLICATE SAMPLER SLK
PHASE 2 MAP NL1403 SITE 0989 TIME TAKEN 11/31/07/79 AIR TEMP(C) + 24.0 WEATHER LT WIND-PT CLDY
LOCATION: LAT 47.241 (47 14'27") LONG 97.807 (97 48'25") RELIEF LOW VEGETATION DECIDUOUS-MODERATE
CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL QDOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2640 DISSOLVED OXYGEN(PPM) 4.2
WATER TEMP(C) + 13.9 VISIBILITY(M) CLEAR PH 5.3 LO-ION PAPER
TOTAL ALKALINITY(PPM) 538 P ALKALINITY(PPM) 75 M ALKALINITY(PPM) 538
APPEARANCE CLEAR DISCHARGE(L/M) 13.00 SOURCE GEOL. INFERENCE
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD 25 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 13 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 13 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET WELL LOCATED IN RED PUMP HOUSE 20M WEST OF GREEN HOUSE;
1-60 ROW CROPS;
1-78 KEN BADGER & HOPE, N.D. 58046;
3-20 WOOD CASING;

501990 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
PHASE 2 MAP NL1403 SITE 0990 TIME TAKEN 11/31/07/79 AIR TEMP(C) + 27.0 WEATHER LT WIND-PT CLDY
LOCATION: LAT 47.241 (47 14'27") LONG 97.830 (97 49'48") RELIEF LOW VEGETATION GRASS-DENSE
CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
WATER: WIDTH(M) 2.00 DEPTH(M) 2.00 LEVEL NORMAL
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE
SEDIMENT INFORMATION:
SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL(%) 20

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 10M DOWNSTREAM FROM COTTON TREE;

1-60 ROW CROPS;

501991 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0991 TIME TAKEN 12/31/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.216(47 12'57") LONG 97.770(97 46'12") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1430 DISSOLVED OXYGEN(PPM) 5.1
 WATER TEMP(C) + 16.3 VISIBILITY(M) CLEAR PH 6.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 376 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 372
 APPEARANCE CLEAR DISCHARGE(L/M) 8.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DRIVE POINT POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 8 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 9 CONFIDENCE OF PRODUCING DEPT: POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED BELOW CEMENT CAP, 2M EAST OF WHITE HOUSE, 8M SOUTH OF RED HOUSE;
 1-60 ROW CROPS;
 1-78 H.W. BURCHILL & PILLSBURY, N.D. 58065;
 3-20 CEMENT CASING;

501992 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 29.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0992 TIME TAKEN 12/31/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.198(47 11'52") LONG 97.823(97 49'22") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4780 DISSOLVED OXYGEN(PPM) 5.1
 WATER TEMP(C) + 10.0 VISIBILITY(M) CLEAR PH 6.8 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 300 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 298
 APPEARANCE CLEAR DISCHARGE(L/M) 7.00
 PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 15 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 15 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN FROM HAND PUMP, ABOVE WELL, WELL LOCATED 20M EAST OF GALVANIZED SHED, 80M EAST OF MAIN HOUSE;
 1-60 ROW CROPS;
 1-78 ED BURGER & PILLSBURY, N.D. 58065;
 3-20 WOOD CASING;

501993 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0993 TIME TAKEN 14/31/07/79 AIR TEMP(C) + 23.0 WEATHER LT WIND-PT CLDY
 LOCATION: LAT 47.168 (47 10' 4") LONG 97.825 (97 49' 30") RELIEF LOW VEGETATION -MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 60M WEST OF ELM TREES;
 1-55 WHEAT FIELD;
 1-60 WHEAT FIELD;

501994 TYPE WELL WATER REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0994 TIME TAKEN 15/31/07/79 AIR TEMP(C) + 23.0 WEATHER LT WIND-PT CLDY
 LOCATION: LAT 47.165 (47 9' 54") LONG 97.770 (97 46' 12") RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 CONTAMINANTS AGRICULTURA SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3430 DISSOLVED OXYGEN(PPM) 6.1
 WATER TEMP(C) + 11.4 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 394
 APPEARANCE CLEAR DISCHARGE(L/M) 7.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE PUBLICATION

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 12 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 12 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN FROM WELL HEAD, WELL LOCATED BELOW PUMP AND HOOD COVER 4M SOUTH OF RED BARN 1M
 NORTH OF STOCK TANK AND FENCE;
 1-60 ROW CROPS AND STOCK;
 1-78 HARVEY ABRAHAM & PAGE, N.D.;
 3-20 CEMENT CASING;

501995 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK
 PHASE 2 MAP NL1403 SITE 0995 TIME TAKEN 15/31/07/79 AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 LOCATION: LAT 47.155 (47 9' 18") LONG 97.813 (97 48' 46") RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 25

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN 30M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 7M NORTH OF ROW CROPS;
 1-60 ROW CROPS;

501996 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0996 TIME TAKEN 15/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.151(47 9' 3") LONG 97.813(97 48' 46") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 55

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 7M EAST OF POWER POLE;
 1-60 ROW CROPS;

501997 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 30.5 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0997 TIME TAKEN 15/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.147(47 8' 49") LONG 97.813(97 48' 46") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 11 ORGANIC MATERIAL(%) 40

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 11M WEST OF DEAD TREES;
 1-60 ROW CROPS;

501998 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0998 TIME TAKEN 16/31/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.150(47 9' 0") LONG 97.809(97 48' 32") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT OPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL - -ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 840 DISSOLVED OXYGEN(PPM) 5.3
 WATER TEMP(C) + 10.6 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 252 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 249
 APPEARANCE CLEAR DISCHARGE(L/M) 7.00
 PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION HAND CASING OTHER PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 3 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 3 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 PILLSBURY ND 7.5' MAP, SAMPLE TAKEN FROM HAND PUMP UNDER WINDMILL, WELL LOCATED BELOW WINDMILL 8M NORTHEAST OF POWER POLE,
 2M SOUTH OF STREAM;
 1-60 ROW CROPS;

501999 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 31.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0999 TIME TAKEN 16/31/07/79 RELIEF LOW VEGETATION BRUSH-MODERATE

LOCATION: LAT 47.113 (47 6'46") LONG 97.79 (97 47'27")

CONTAMINANTS - AGRICULTURA

STREAM FLOW (M/SEC)

SURFACE GEOL UNIT OPG RESULTS REQ NO , RELEASED 801015

WATER: WIDTH (M)

DEPTH (M)

LEVEL DRY

BED MATERIAL SAND

SAMPLE: COLOR M-GY-BN

ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY

SAMPLE TREATMENT NONE

NUMBER OF GRABS 12

ORGANIC MATERIAL (%) 10

REMARKS:

1-38 PILLSBURY, S.E. 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM FROM ROAD, INTERVAL OVER 20M STARTING 15M EAST OF WELL, AND 8M NORTH OF BARBED FENCE; 1-60 ROW CROPS;

502000 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP (C) + 31.0 WEATHER LT WIND-PT CLDY PHASE 2 MAP NL1403 SITE 1000 TIME TAKEN 16/31/07/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE LOCATION: LAT 47.110 (47 6'36") LONG 97.768 (97 46'47") CONTAMINANTS - AGRICULTURA SURFACE GEOL UNIT OPG RESULTS REQ YES , RELEASED 801015

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE

CONDUCTIVITY (MICROMHOS/CM) 1400

DISSOLVED OXYGEN (PPH) 9.7

WATER TEMP (C) + 14.6

VISIBILITY (M) CLEAR

PH 7.1 LO-ION PAPER

TOTAL ALKALINITY (PPH) 320

P ALKALINITY (PPH) 25

M ALKALINITY (PPH) 321

APPEARANCE CLEAR

DISCHARGE (L/M) 10.00

PRODUCING HORIZON OPG

CONFIDENCE POSSIBLE

SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED

POWER CLASSIFICATION ELECTRIC

CASING OTHER

PIPE COMPOSITION PLASTIC

METERS FROM HEAD 8

WITH RESPECT TO PRESSURE TANK AFTER

USE HOUSEHOLD

PUMPING FREQUENCY CONSTANT

DEPTH TO PROD HORIZON (M) 18

CONFIDENCE OF PRODUCING DEPTH POSSIBLE

SOURCE OF PRODUCING INFORMATION

GEOL. INFERENCE

WELL DEPTH (M) 18

CONFIDENCE OF WELL DEPTH POSSIBLE

SOURCE OF DEPTH INFORMATION

OWNER

REMARKS:

1-38 PILLSBURY S.E. N.D., 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 3M EAST OF HOUSE BELOW CEMENT CAP, AND 2M WEST OF HEDGE; 1-60 ROW CROPS; 1-78 ARCHIE OLSON & ORISKA, N.D. 58063; 3-20 CEMENT CASING;

502001 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP (C) + 30.0 WEATHER CALM-PT CLDY PHASE 2 MAP NL1403 SITE 1001 TIME TAKEN 11/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE LOCATION: LAT 47.396 (47 23'45") LONG 96.729 (96 43'44") CONTAMINANTS AGRICULTURA STREAM FLOW (M/SEC) NONE

SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015

WATER: WIDTH (M) 3.00

DEPTH (M) 1.00

LEVEL NORMAL

BED MATERIAL CLAY

SAMPLE: COLOR M-GY-BN

ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET

SAMPLE TREATMENT NONE

NUMBER OF GRABS 6

ORGANIC MATERIAL (%) 25

REMARKS:

1-38 ADA NW 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL STARTING AFTER FIRST BEND; 1-60 SUNFLOWER & BARLEY FIELDS;

502002 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH

AIR TEMP (C) + 30.0

WEATHER CALM-PT CLDY

PHASE 2 MAP NL 1403 SITE 1002 TIME TAKEN 12/24/07/79
 LOCATION: LAT 47.385 (47 23' 6") LONG 96.515 (96 30' 54")

RELIEF FLAT VEGETATION GRASS-DENSE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015

WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY

SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 40

REMARKS:

1-38 LOCKHART 7.5' MAP, SAMPLE TAKEN UPSTREAM 25M OF ROAD AT A 20M INTERVAL STARTING BEHIND BARN;
 1-60 BARLEY FIELDS;

502003 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH
 PHASE 2 MAP NL 1403 SITE 1003 TIME TAKEN 12/24/07/79
 LOCATION: LAT 47.311 (47 18' 39") LONG 96.449 (96 26' 56")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-SPARSE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 WATER: WIDTH(M) 3.00 DEPTH(M) 0.50 LEVEL POOLS
 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY

SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 TWIN VALLEY SW 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 15M INTERVAL STARTING BEFORE FIRST POOL;
 1-60 BARLEY & SUNFLOWER FIELDS;

502004 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH
 PHASE 2 MAP NL 1403 SITE 1004 TIME TAKEN 13/24/07/79
 LOCATION: LAT 47.358 (47 21' 28") LONG 96.451 (96 27' 3")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 3.00 DEPTH(M) 1.50 LEVEL NORMAL
 BED MATERIAL SILT SAMPLE: COLOR D-GY-BK ODOR H2S

SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET

SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 TWIN VALLEY SW 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL STARTING AT END OF TREE LINE;
 1-60 SUNFLOWER & BARLEY FIELDS;

502005 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH
 PHASE 2 MAP NL 1403 SITE 1005 TIME TAKEN 13/24/07/79
 LOCATION: LAT 47.385 (47 23' 6") LONG 96.428 (96 25' 40")

AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 RELIEF FLAT VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG
 WATER: WIDTH(M) 2.00 DEPTH(M) 1.00 LEVEL POOLS
 BED MATERIAL CLAY SAMPLE: COLOR M-YL-BN ODOR NONE

SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY

SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 TWIN VALLEY NW 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM AT A 20M INTERVAL STARTING BEFORE FIRST BEND;
 1-60 BARLEY FIELDS;

502006 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 1006 TIME TAKEN 13/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.428 (47 25'40") LONG 96.374 (96 22'28") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 10

REMARKS:

1-38 TWIN VALLEY NW 7.5' MAP, SAMPLE TAKEN NORTH OF ROAD WHERE RIVER IS CLOSEST TO ROAD AT A 20M INTERVAL;
 1-60 BARLEY FIELDS;

502007 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 1007 TIME TAKEN 14/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.349 (47 20'56") LONG 96.343 (96 20'34") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 80

REMARKS:

1-38 TWIN VALLEY 7.5 MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL STARTING PARALLEL TO LARGE TREE;
 1-60 BARLEY FIELDS, ROAD;

502008 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 1008 TIME TAKEN 14/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.326 (47 19'33") LONG 96.337 (96 20'13") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 85

REMARKS:

1-38 TWIN VALLEY 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL STARTING UPSTREAM OF BREAK IN BUSHES;
 1-60 SUNFLOWER FIELDS;

502009 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE G MAP NL1403 SITE 1009 TIME TAKEN 16/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.559 (47 33'32") LONG 96.365 (96 21'54") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) 0.50
 WATER: WIDTH(M) 3.00 DEPTH(M) 1.00 LEVEL NORMAL
 SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-YL-BN ODOR NONE

SEDIMENT INFORMATION:
 SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 03

REMARKS:

1-38 FERTILE 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL STARTING AT FENCE;
 1-60 BARLEY & SUNFLOWER, ROAD;

502010 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 1010 TIME TAKEN 16/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.574 (47 34'26") LONG 96.419 (96 25' 8") CONTAMINANTS MINING STREAM FLOW(M/SEC) NONE
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.50 LEVEL NORMAL
 BED MATERIAL CLAY SAMPLE: COLOR M-YL-BN ODOR NONE
 SEDIMENT INFORMATION:
 SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 KELVIN 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL;
 1-60 GRAVEL PIT, BARLEY & SUNFLOWER FIELDS;

502011 TYPE WELL WATER REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 1011 TIME TAKEN 12/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.311 (47 18'39") LONG 97.062 (97 3'43") CONTAMINANTS OTHER
 SURFACE GEOL UNIT QTL RESULTS REQ NO, RELEASED 801015 SAMPLE: COLOR - - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 290 DISSOLVED OXYGEN(PPM) 3.2
 WATER TEMP(C) + 20.9 VISIBILITY(M) CLEAR PH 6.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 62 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 62
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON KGBM CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE UNKNOWN POWER CLASSIFICATION OTHER CASING OTHER PIPE COMPOSITION OTHER
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
 DEPTH TO PROD HORIZON(M) 131 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 131 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION PUBLICATION

REMARKS:

1-38 KELSO 7.5' MAP, SAMPLE TAKEN DIRECTLY FROM WELL IN SOUTH OF HOUSE;
 1-60 RAINWATER, WELL STAGNANT;
 1-78 OWNER UNKNOWN;
 3-19 WELL IN DISUSE;
 3-20 CEMENT;
 3-21 NONE;

502012 TYPE WELL WATER REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 1012 TIME TAKEN 13/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.287 (47 17'13") LONG 97.130 (97 7'48") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 5230 DISSOLVED OXYGEN(PPM) 2.1
 WATER TEMP(C) + 11.9 VISIBILITY(M) CLEAR PH 6.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 240 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 240
 APPEARANCE CLEAR DISCHARGE(L/M) 1.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ARTESIAN CASING UNKNOWN PIPE COMPOSITION PLASTIC

METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	41	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	41	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 BLANCHARD 7.5 MAP, SAMPLE TAKEN FROM WELL IN CORRAL SE OF HOUSE BEHIND WHITE SHACKS;
 1-78 MARK EBLEM & HILLSBORO, ND 58045;
 3-60 SUNFLOWERS, GRAZING CATTLE;

502013	TYPE WELL WATER	REPLICATE	SAMPLER MKH	AIR TEMP(C)	+ 30.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL 1403	SITE 1013	RELIEF	FLAT	VEGETATION	GRASS-MODERATE
	LOCATION: LAT 47.296 (47 17'45") LONG 97.174 (97 10'26")			CONTAMINANTS	AGRICULTURA		
	SURFACE GEOL UNIT	QTL	RESULTS REQ	YES	RELEASED	801015	
				SAMPLE: COLOR	-	-CL	ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	4190	DISSOLVED OXYGEN(PPM)	1.5
WATER TEMP(C)	+ 10.7	VISIBILITY(M)	CLEAR	PH	6.9
TOTAL ALKALINITY(PPM)	244	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	244
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00		
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE	SOURCE	GEOLOGICAL INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	UNKNOWN	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	24	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	24	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 BRANCHARD 7.5 MAP, SAMPLE TAKEN FROM FAUCET LOCATED 20M WEST OF HOUSE NEAR WHITE SHACK;
 1-60 WHEAT FIELDS;
 1-78 JOSEPH J. WILLES & BLANCHARD, ND 458009;

502014	TYPE WELL WATER	REPLICATE	SAMPLER MKH	AIR TEMP(C)	+ 30.0	WEATHER	LT WIND-RAINY
	PHASE 2	MAP NL 1403	SITE 1014	RELIEF	FLAT	VEGETATION	GRASS-MODERATE
	LOCATION: LAT 47.324 (47 19'28") LONG 97.166 (97 9'57")			CONTAMINANTS	AGRICULTURA		
	SURFACE GEOL UNIT	QAL	RESULTS REQ	YES	RELEASED	801015	
				SAMPLE: COLOR	-	-CL	ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	4190	DISSOLVED OXYGEN(PPM)	2.2
WATER TEMP(C)	+ 11.3	VISIBILITY(M)	CLEAR	PH	8.2
TOTAL ALKALINITY(PPM)	270	P ALKALINITY(PPM)	62	M ALKALINITY(PPM)	240
APPEARANCE	CLEAR	DISCHARGE(L/M)	20.00		
PRODUCING HORIZON	KGBM	CONFIDENCE	POSSIBLE	SOURCE	GEOLOGICAL INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	GALVANIZED	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	90	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	90	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 BLANCHARD 7.5' MAP, SAMPLE TAKEN FROM FAUCET 20M NORTH OF HOUSE, WELL UNDER FAUCET;
 1-78 TIM GARRETT & BLANCHARD, ND 58003;

3-60 WHEAT FIELDS;

502015 TYPE WELL WATER REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER CALM-OVERCAST
 PHASE 2 MAP NL1403 SITE 1015 TIME TAKEN 15/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.334 (47 20' 2") LONG 97.196 (97 11' 45") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QAL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 5160 DISSOLVED OXYGEN(PPM) 0.4
 WATER TEMP(C) + 13.7 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 240 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 240
 APPEARANCE CLEAR DISCHARGE(L/M) 20.00
 PRODUCING HORIZON KGBM CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING GALVANIZED PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 75 WITH RESPECT TO PRESSURE TANK NONE USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 135 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 135 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 BLANCHARD 7.5 MAP, SAMPLE TAKEN FROM FAUCET 10M SE OF HOUSE NEAR TUB, WELL LOCATED UNDER BARREL IN FRONT OF HAY PILE.
 1-78 EARL LUNDEEN & BLANCHARD, ND 58009;
 3-60 WHEAT FIELDS;

502016 TYPE WELL WATER REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 1016 TIME TAKEN 16/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.397 (47 23' 49") LONG 97.185 (97 11' 6") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4650 DISSOLVED OXYGEN(PPM) 1.8
 WATER TEMP(C) + 10.7 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 242 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 242
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON KGBM CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING OTHER PIPE COMPOSITION COPPER
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 110 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 110 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 HILLSBORO NW 7.5 MAP, SAMPLE TAKEN FROM PUMP 10M EAST OF GARAGE NEXT TO FENCE, WELL UNDER NEATH;
 1-78 JUNIOR KLEMETSON & HILLSBORO, ND 58045
 3-20 COPPER 3-60 WHEAT FIELDS;

502017 TYPE WELL WATER REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 1017 TIME TAKEN 17/25/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.446 (47 26' 45") LONG 97.186 (97 11' 9") CONTAMINANTS AGRICULTURA

SURFACE GEOL UNIT GAL RESULTS REQ YES, RELEASED 801015

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	4390	DISSOLVED OXYGEN (PPM)	12.0
WATER TEMP (C) + 77.7	VISIBILITY (M)	CLEAR	PH 6.9	LO-ION PAPER
TOTAL ALKALINITY (PPM) 220	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	220
APPEARANCE CLEAR	DISCHARGE (L/M)	20.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON KGFL	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	STEEL	PIPE COMPOSITION	STEEL
METERS FROM HEAD 100	WITH RESPECT TO PRESSURE TANK	NONE	USE	STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON (M) 99	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH (M) 99	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 HILLSBORO NW 7.5' MAP, SAMPLE TAKEN FROM PIPE 20M NW OF LARGE BARN NORTH OF HOUSE, WELL LOCATED SE OF HOUSE TOM;
 1-60 BARLEY FIELDS; RIVER;
 1-78 JERSON KALDOR & HILLSBORO, ND 58045;

502018 TYPE WELL WATER REPLICATE SAMPLER MKH
 PHASE 2 MAP NL1403 SITE 1018 TIME TAKEN 17/25/07/79
 LOCATION: LAT 47.465 (47 27' 54") LONG 97.20 (97 12' 3")
 SURFACE GEOL UNIT GAL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 30.0 WEATHER LT WIND-OVERCAST
 RELIEF FLAT VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	4270	DISSOLVED OXYGEN (PPM)	1.2
WATER TEMP (C) + 10.2	VISIBILITY (M)	CLEAR	PH 6.9	LO-ION PAPER
TOTAL ALKALINITY (PPM) 200	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	200
APPEARANCE CLEAR	DISCHARGE (L/M)	20.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON GPG	CONFIDENCE	POSSIBLE		

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	GALVANIZED	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD 0	WITH RESPECT TO PRESSURE TANK	NONE	USE	HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON (M) 90	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH (M) 90	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 HILLSBORO NW 7.5' MAP, SAMPLE TAKEN FROM FAUCET 20M NORTH OF BARN, WELL UNDER FAUCET;
 1-60 BARLEY FIELDS; RIVER;
 1-78 GARY KALDOR & MAVILLE, ND 58257;

502019 TYPE WELL WATER REPLICATE SAMPLER MKH
 PHASE 2 MAP NL1403 SITE 1019 TIME TAKEN 18/25/07/79
 LOCATION: LAT 47.463 (47 27' 46") LONG 97.157 (97 9' 25")
 SURFACE GEOL UNIT GTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 30.0 WEATHER LT WIND-OVERCAST
 RELIEF FLAT VEGETATION GRASS-MODERATE
 CONTAMINANTS AGRICULTURA

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	4720	DISSOLVED OXYGEN (PPM)	1.0
WATER TEMP (C) + 16.3	VISIBILITY (M)	CLEAR	PH 7.3	LO-ION PAPER
TOTAL ALKALINITY (PPM) 130	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	130
APPEARANCE CLEAR	DISCHARGE (L/M)	20.00	SOURCE GEOL. INFERENCE	
PRODUCING HORIZON	CONFIDENCE	POSSIBLE		

PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING UNKNOWN PIPE COMPOSITION UNKNOWN
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY INFREQUENT
DEPTH TO PROD HORIZON(M) 90 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 90 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 HILLSBORO NW 7.5' MAP, SAMPLE AT FAUCET 30M NE OF HOUSE NEXT TO ROD, WELL UNDER FAUCET;
1-60 SUGAR BEET FIELDS;
1-78 JAMES OVERMOE & HILLSBORO, ND 58045;

502020 TYPE WELL WATER REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER CALM-OVERCAST
PHASE 2 MAP NL 1403 SITE 1020 TIME TAKEN 16/26/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.414 (47 24'50") LONG 97.132 (97 7'55") CONTAMINANTS OTHER SAMPLE: COLOR -CL ODOR NONE
SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 4590 DISSOLVED OXYGEN(PPM) 1.5
WATER TEMP(C) + 10.2 VISIBILITY(M) CLEAR PH 6.5 LO-ION PAPER
TOTAL ALKALINITY(PPM) 260 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 260
APPEARANCE ALGAL DISCHARGE(L/M) 4.00
PRODUCING HORIZON OPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING STEEL PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE STOCK PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 90 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 90 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 HILLSBORO 7.5 MAP, SAMPLE TAKEN FROM ALUMINUM TUB NORTH OF RED BARN DIRECTLY FROM WELL;
1-60 ALUMINUM TUB, WATER IS STAGNANT, GOOSE RIVER NEAR BY, WHEAT & SUNFLOWER FIELDS;
1-78 ARLENE SKOGEN & HILLSBORO, ND 58045;

502021 TYPE WELL WATER REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER CALM-PART CLOUDY
PHASE 2 MAP NL 1403 SITE 1021 TIME TAKEN 17/26/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.428 (47 25'40") LONG 97.096 (97 5'45") CONTAMINANTS AGRICULTURA SAMPLE: COLOR -CL ODOR NONE
SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1030 DISSOLVED OXYGEN(PPM) 2.6
WATER TEMP(C) + 13.2 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
TOTAL ALKALINITY(PPM) 284 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 284
APPEARANCE CLEAR DISCHARGE(L/M) 5.00
PRODUCING HORIZON QAL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION UNKNOWN
METERS FROM HEAD 5 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 12 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 12 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 HILLSBORO 7.5 MAP, SAMPLE TAKEN FROM FAUCET ON NORTH SIDE OF HOUSE, WELL LOCATED 5M NORTH OF HOUSE;
 1-60 SUNFLOWER & BARLEY FIELDS;
 1-78 GORDON IRWIN & HILLSBORO, ND 58045;

502022 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE G MAP NL1403 SITE 1022 TIME TAKEN 17/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.716 (47 42' 57") LONG 96.670 (96 40' 12") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 GIRARD 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL;
 1-60 SUNFLOWER, SUGAR BEET & BARLEY FIELDS;

502024 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER CALM-PT CLDY
 PHASE G MAP NL1403 SITE 1024 TIME TAKEN 17/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.716 (47 42' 57") LONG 96.640 (96 38' 24") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) NONE
 WATER: WIDTH(M) 5.00 DEPTH(M) 3.00 LEVEL NORMAL
 SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 GIRARD 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL STARTING BEFORE TREES;
 1-60 SUNFLOWER & BARLEY FIELDS, RAILROAD;

502025 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER CALM-PT CLDY
 PHASE 2 MAP NL1403 SITE 1025 TIME TAKEN 18/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.746 (47 44' 45") LONG 96.736 (96 44' 9") CONTAMINANTS OTHER STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 GIRARD 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM AT A 20M INTERVAL;
 1-60 IRRIGATION DITCH, BARLEY & SUNFLOWER FIELDS;

502026 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 28.0 WEATHER CALM-OVERCAST
 PHASE 2 MAP NL1403 SITE 1026 TIME TAKEN 15/26/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.420 (47 25' 12") LONG 97.114 (97 6' 50") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
 SURFACE GEOL UNIT GAL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR D-YL-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 35

REMARKS:

1-38 HILLSBORO 7.5 MAP, SAMPLE TAKEN 50M SOUTH OF BEND IN ROAD AT A 20M INTERVAL STARTING NEAR TREES;
1-60 WHEAT, BARLEY & SUNFLOWER FIELDS;

502027 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER CALM-OVERCAST
PHASE 2 MAP NL1403 SITE 1027 TIME TAKEN 17/26/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.431 (47 25' 51") LONG 97.033 (97 1' 58") CONTAMINANTS OTHER STREAM FLOW(M/SEC) STAG
WATER: WIDTH(M) 4.00 DEPTH(M) 1.00 LEVEL POOLS
SURFACE GEOL UNIT QAL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR M-YL-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 HILLSBORO 7.5 MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL STARTING BEFORE FIRST POOL;
1-60 CEMENT BLOCKS, SUNFLOWER FIELDS;

502028 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
PHASE G MAP NL1403 SITE 1028 TIME TAKEN 16/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.548 (47 32' 52") LONG 96.471 (96 28' 15") CONTAMINANTS URBAN STREAM FLOW(M/SEC)
WATER: WIDTH(M) DEPTH(M) LEVEL DRY
SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR M-YL-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 10

REMARKS:

1-38 MELVIN 7.5 MAP SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL;
1-60 FLOWS PAST FERTILE, SUNFLOWER FIELDS IN BED OF STREAM;

502029 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER CALM-OVERCAST
PHASE 2 MAP NL1403 SITE 1029 TIME TAKEN 16/26/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
LOCATION: LAT 47.427 (47 25' 37") LONG 97.131 (97 7' 51") CONTAMINANTS OTHER STREAM FLOW(M/SEC) STAG
WATER: WIDTH(M) 4.00 DEPTH(M) 1.00 LEVEL POOLS
SURFACE GEOL UNIT QAL RESULTS REQ NO , RELEASED 801015 BED MATERIAL CLAY SAMPLE: COLOR M-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 75

REMARKS:

1-38 HILLSBORO NW 7.5 MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL;
1-60 DRAINAGE DITCH; BARLEY FIELDS, SOIL;

502030 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH AIR TEMP(C) + 33.0 WEATHER CALM-OVERCAST
PHASE 2 MAP NL1403 SITE 1030 TIME TAKEN 15/25/07/79 RELIEF FLAT VEGETATION GRASS-DENSE
LOCATION: LAT 47.384 (47 23' 2") LONG 97.250 (97 15' 0") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 2.00 DEPTH(M) 0.50 LEVEL POOLS
BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 45

REMARKS:

1-38 BLANCHARD 7.5' MAP, SAMPLE TAKEN NORTH OF ROAD 20M UPSTREAM OF FENCE;
1-60 WHEAT FIELDS;

502031 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH
PHASE 2 MAP NL1403 SITE 1031 TIME TAKEN 16/25/07/79
LOCATION: LAT 47.365(47 21'54") LONG 97.156(97 9'21")

AIR TEMP(C) + 30.0 WEATHER LT WIND-OVERCAST
RELIEF FLAT VEGETATION GRASS-DENSE
CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)

SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL CLAY SAMPLE: COLOR D-BK-BN ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 30

REMARKS:

1-38 BLANCHARD 7.5' MAP, SAMPLE TAKEN 25M UPSTREAM OF ROAD AT A 20M INTERVAL STARTING IN CATTAILS;
1-60 WHEAT & BARLEY FIELDS;

502032 TYPE STREAM SEDIMENT REPLICATE SAMPLER MKH
PHASE 2 MAP NL1403 SITE 1032 TIME TAKEN 13/25/07/79
LOCATION: LAT 47.287(47 17'13") LONG 97.129(97 7'44")

AIR TEMP(C) + 30.0 WEATHER CALM-OVERCAST
RELIEF FLAT VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC) STAG

SURFACE GEOL UNIT QAL RESULTS REQ NO ,RELEASED 801015 WATER: WIDTH(M) 3.00 DEPTH(M) 1.00 LEVEL POOLS
BED MATERIAL CLAY SAMPLE: COLOR D-GY-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION WET SAMPLE TREATMENT NONE NUMBER OF GRABS 6 ORGANIC MATERIAL (%) 20

REMARKS:

1-38 KELSO 7.5' MAP, SAMPLE TAKEN BEHIND HOUSE AT FIRST POOL ON THE RIGHT;
1-60 WHEAT FIELDS, GRAZING CATTLE;

502033 TYPE WELL WATER REPLICATE SAMPLER MKH
PHASE 2 MAP NL1403 SITE 1033 TIME TAKEN 15/26/07/79
LOCATION: LAT 47.367(47 22' 1") LONG 97.070(97 4'12")

AIR TEMP(C) + 28.0 WEATHER LT WIND-OVERCAST
RELIEF FLAT VEGETATION GRASS-MODERATE
CONTAMINANTS AGRICULTURA

SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1050 DISSOLVED OXYGEN(PPM) 0.9
WATER TEMP(C) + 15.5 VISIBILITY(M) CLEAR PH 6.6 LO-ION PAPER
TOTAL ALKALINITY(PPM) 280 P ALKALINITY(PPM) 45 M ALKALINITY(PPM) 280
APPEARANCE CLEAR DISCHARGE(L/M) 20.00
PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION STEEL
METERS FROM HEAD 100 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT

DEPTH TO PROD HORIZON(M) 22 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 22 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 KELSO 7.5' MAP, SAMPLE TAKEN AT PUMP ON SOUTH SIDE OF SHACK DUE SOUTH OF HOUSE, WELL LOCATED NEAR HAY STACK 100M SW OF PUMP;
 1-60 CORN & SUNFLOWER FIELDS;
 1-78 MELVIN MULLER & HILLSBORO, ND 38045;

502034 TYPE WELL WATER REPLICATE SAMPLER MKH AIR TEMP(C) + 30.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 1034 TIME TAKEN 12/24/07/79 RELIEF FLAT VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.339(47 20'20") LONG 97.089(97 5'20") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 940 DISSOLVED OXYGEN(PPM) 0.9
 WATER TEMP(C) + 11.9 VISIBILITY(M) CLEAR PH 6.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 262 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 262
 APPEARANCE CLEAR DISCHARGE(L/M) 10.00
 PRODUCING HORIZON QAL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING UNKNOWN PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE OTHER PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 18 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 18 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 KELSO 7.5' MAP, SAMPLE TAKEN AT PUMP IN WHITE SHACK NE OF HOUSE, WELL UNDER PUMP;
 1-78 PEARE A SCHULTZ;
 3-26 GARDENING;

502035 TYPE WELL WATER REPLICATE SAMPLER BLK AIR TEMP(C) + 25.5 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 1035 TIME TAKEN 10/01/08/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.045(47 2'42") LONG 97.833(97 49'58") CONTAMINANTS AGRICULTURA
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 3250 DISSOLVED OXYGEN(PPM) 2.7
 WATER TEMP(C) + 12.9 VISIBILITY(M) CLEAR PH 6.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 400
 APPEARANCE CLEAR DISCHARGE(L/M) 12.00
 PRODUCING HORIZON QTL CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 10 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON(M) 8 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 8 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 PILLSBURY, SE. N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT IN WHITE WORK SHOP, WELL LOCATED BELOW HAND PUMP, 1M. SOUTH OF POWER POLE, 8M. EAST OF WORK SHOP;

1-60 ROW CROPS;
1-79 LARRY KAPPEL & ORISKA, N.D. 58063;
3-20 WOOD CASING;

502036 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 30.5 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 1036 TIME TAKEN 11/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.003(47 0'10") LONG 97.833(97 49'58") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 WATER; WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR M-GY-BN ODOR NONE

SEDIMENT INFORMATION:
SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 10 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 PILLSBURY SE, N.D. 7.5' MAP, SAMPLE TAKEN 30M. UPSTREAM FROM ROAD, INTERVAL OVER 20M. STARTING 300M. EAST OF STREAM
JUNCTION;
1-60 ROW CROPS;

502037 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 31.0 WEATHER -CLEAR
PHASE 2 MAP NL1403 SITE 1037 TIME TAKEN 11/01/08/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.013(47 0'46") LONG 97.852(97 51' 7") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL. ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 750 DISSOLVED OXYGEN(PPM) 5.6
WATER TEMP(C) + 11.4 VISIBILITY(M) CLEAR PH 6.7 LO-ION PAPER
TOTAL ALKALINITY(PPM) 400 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 395
APPEARANCE CLEAR DISCHARGE(L/M) 9.00
PRODUCING HORIZON QPG CONFIDENCE POSSIBLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DUG POWER CLASSIFICATION ELECTRIC CASING OTHER PIPE COMPOSITION PLASTIC
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON(M) 16 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 16 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PILLSBURY SE, N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT UNDER POWER POLE, WELL LOCATED BELOW WOOD COVER 12M. SOUTHEAST OF
HOUSE 10M. WEST OF BARN;
1-60 ROW CROPS AND LIVESTOCK;
1-78 RUBAN HOFF & OR ISKA, N.D. 58063;
3-20 CEMENT CASING;

502038 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 31.0 WEATHER -CLEAR
PHASE 2 MAP NL1403 SITE 1038 TIME TAKEN 12/01/08/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
LOCATION: LAT 47.002(47 0' 7") LONG 97.916(97 54'57") CONTAMINANTS AGRICULTURA
SURFACE GEOL UNIT QGO RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 730 DISSOLVED OXYGEN(PPM) 4.0
WATER TEMP(C) + 12.3 VISIBILITY(M) CLEAR PH 6.9 LO-ION PAPER

TOTAL ALKALINITY (PPM)	360	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	359
APPEARANCE	CLEAR	DISCHARGE (L/M)	10.00		
PRODUCING HORIZON	QGO	CONFIDENCE	POSSIBLE	SOURCE GEOL. INFERENCE	

WELL INFORMATION:					
TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION PLASTIC
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSE/STOCK	PUMPING FREQUENCY CONSTANT
DEPTH TO PROD HORIZON (M)	6	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH (M)	6	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 PILLSBURY SW, N.D. 7.5' MAP, SAMPLE TAKEN FROM HOSE OFF HYDRANT, WELL LOCATED BELOW CEMENT CAP 8M NORTH OF HOUSE, 10M. WEST OF BARN;

1-60 ROW CROPS AND LIVE STOCK;

1-78 RUTH HENDERSON & ROUTE 1 & VALLEY CITY, N.D. 58072;

3-20 CEMENT CASING;

502039	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP (C)	+ 32.0	WEATHER	-CLEAR
PHASE 2 MAP NL1403 SITE 1039 TIME TAKEN 12/01/08/79				RELIEF	LOW	VEGETATION	DECIDUOUS-MODERATE
LOCATION: LAT 47.011 (47 0'39") LONG 97.934 (97 56' 2")				CONTAMINANTS	AGRICULTURA	SAMPLE: COLOR - -CL ODOR NONE	
SURFACE GEOL UNIT QGO RESULTS REQ YES, RELEASED 801015							

GENERAL WATER INFORMATION:							
TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	1320	DISSOLVED OXYGEN (PPM)	4.6		
WATER TEMP (C)	+ 9.5	VISIBILITY (M)	CLEAR	PH	7.0	LO-ION PAPER	
TOTAL ALKALINITY (PPM)	449	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	450		
APPEARANCE	CLEAR	DISCHARGE (L/M)	13.00				
PRODUCING HORIZON	QGO	CONFIDENCE	POSSIBLE	SOURCE GEOL. INFERENCE			

WELL INFORMATION:							
TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION GALVANIZED		
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSE/STOCK	PUMPING FREQUENCY CONSTANT		
DEPTH TO PROD HORIZON (M)	9	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH (M)	9	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 PILLSBURY SW, N.D. 7.5' MAP, SAMPLE TAKEN FROM HYDRANT ABOVE WELL HEAD, WELL LOCATED 3M. WEST OF POWER POLE, 4M. NORTH SHED;

1-60 ROW CROPS AND LIVE STOCK;

1-78 ROBERT WITTENBERG & ROUTE 1 & VALLEY CITY, N.D. 58075;

3-20 CEMENT CASING;

502040	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP (C)	+ 31.0	WEATHER	-CLEAR
PHASE 2 MAP NL1403 SITE 1040 TIME TAKEN 13/01/08/79				RELIEF	LOW	VEGETATION	DECIDUOUS-MODERATE
LOCATION: LAT 47.065 (47 3'54") LONG 97.900 (97 54' 0")				CONTAMINANTS	AGRICULTURA	SAMPLE: COLOR - -CL ODOR NONE	
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015							

GENERAL WATER INFORMATION:							
TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	1970	DISSOLVED OXYGEN (PPM)	5.3		
WATER TEMP (C)	+ 9.7	VISIBILITY (M)	CLEAR	PH	6.8	LO-ION PAPER	
TOTAL ALKALINITY (PPM)	269	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	268		
APPEARANCE	CLEAR	DISCHARGE (L/M)	10.00				
PRODUCING HORIZON	QPG	CONFIDENCE	POSSIBLE	SOURCE GEOL. INFERENCE			

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	HAND	CASING OTHER	PIPE COMPOSITION	STEEL
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	21	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE	
WELL DEPTH(M)	21	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 PILLSBURY SW, N.D. 7.5' MAP, SAMPLE TAKEN FROM HAND PUMP ABOVE WELL HEAD, WELL LOCATED BELOW WIND MILL 30M. WEST OF HOUSE 20M NORTH OF WHITE SHED;
 1-60 ROW CROPS;
 1-78 TED. C. NELSON & ROUTE 1 VALLEY CITY, N.D. 58072;
 3-20 HOOD CASING;

502041 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 31.0 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 1041 TIME TAKEN 15/01/08/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.073(47 4'22") LONG 97.959(97 57'32") CONTAMINANTS AGRICULTURA SAMPLE: COLOR -CL ODOR NONE
 SURFACE GEOL UNIT QGO RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY(MICROMHOS/CM)	5420	DISSOLVED OXYGEN(PPM)	7.5
WATER TEMP(C) + 75.4	VISIBILITY(M)	CLEAR	PH 6.9 LO-ION PAPER	
TOTAL ALKALINITY(PPM) 800	P ALKALINITY(PPM) <5		M ALKALINITY(PPM) 794	
APPEARANCE CLEAR	DISCHARGE(L/M) 10.00			
PRODUCING HORIZON QGO	CONFIDENCE POSSIBLE		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	AFTER	USE STOCK	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	9	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE	
WELL DEPTH(M)	9	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 PILLSBURY SW, N.D. 7.5' MAP, SAMPLE TAKEN FROM HOSE OFF WELL HEAD, WELL LOCATED 15M. WEST OF CHICKEN HOUSE, 20M. NORTH OF STORAGE BINS;
 1-60 ROW CROPS AND STOCK;
 1-78 JOHN SVENNINGSEN & RURAL ROUTE 1 VALLEY CITY, 58072;
 3-20 CEMENT CASING;

502042 TYPE WELL WATER REPLICATE SAMPLER SLK AIR TEMP(C) + 31.0 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 1042 TIME TAKEN 15/01/08/79 RELIEF LOW VEGETATION DECIDUOUS-MODERATE
 LOCATION: LAT 47.109(47 6'32") LONG 97.979(97 58'44") CONTAMINANTS AGRICULTURA SAMPLE: COLOR -CL ODOR NONE
 SURFACE GEOL UNIT QGO RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY(MICROMHOS/CM)	1210	DISSOLVED OXYGEN(PPM)	5.3
WATER TEMP(C) + 11.6	VISIBILITY(M)	CLEAR	PH 7.2 LO-ION PAPER	
TOTAL ALKALINITY(PPM) 378	P ALKALINITY(PPM) <5		M ALKALINITY(PPM) 377	
APPEARANCE CLEAR	DISCHARGE(L/M) 12.00			
PRODUCING HORIZON QGO	CONFIDENCE PROBABLE		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING OTHER	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	70	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSE/STOCK	PUMPING FREQUENCY	CONSTANT

DEPTH TO PROD HORIZON(M)	13	CONFIDENCE OF PRODUCING DEPTH POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	13	CONFIDENCE OF WELL DEPTH	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 PILLSBURY SW, N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET, WELL LOCATED 70M. EAST OF HOUSE, 10M. WEST OF ROW CROPS;
 1-60 ROW CROPS AND LIVE STOCK;
 1-78 LLOYD KOCH & LUVERNE, N.D. 58056;
 3-20 WOOD AND STEELE CASING;

502043	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C) + 31.0	WEATHER -CLEAR
	PHASE 2 MAP NL1403	SITE 1043	TIME TAKEN 10/01/08/79	RELIEF LOW	VEGETATION DECIDUOUS-MODERATE
	LOCATION: LAT 47.123(47 7'22")	LONG 97.896(97 53'45")		CONTAMINANTS AGRICULTURA	
	SURFACE GEOL UNIT QPG	RESULTS REQ YES	RELEASED 801015		SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:					
TREATMENT NONE		CONDUCTIVITY(MICROMHOS/CM)	1250	DISSOLVED OXYGEN(PPM)	4.1
WATER TEMP(C)	+ 12.8	VISIBILITY(M)	CLEAR	PH 7.0	LO-ION PAPER
TOTAL ALKALINITY(PPM)	491	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	489
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00		
PRODUCING HORIZON	QPG	CONFIDENCE	PROBABLE	SOURCE	GEOL. INFERENCE

WELL INFORMATION:					
TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL
METERS FROM HEAD	100	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK
DEPTH TO PROD HORIZON(M)	12	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	12	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 PILLSBURY SW N.D. 7.5' MAP, SAMPLE TAKEN FROM KITCHEN FAUCET WELL LOCATED 2M. EAST OF FENCE; AND 100M. EAST OF HOUSE;
 1-60 ROW CROPS;
 1-78 PAUL OWEN & RURAL ROUTE 1 & LUVERNE, N.D. 58056;

502046	TYPE WELL WATER	REPLICATE	SAMPLER SLK	AIR TEMP(C) + 27.0	WEATHER LT WIND-CLEAR
	PHASE 2 MAP NL1403	SITE 1046	TIME TAKEN 10/01/08/79	RELIEF LOW	VEGETATION DECIDUOUS-MODERATE
	LOCATION: LAT 47.241(47 14'27")	LONG 97.767(97 46' 1")		CONTAMINANTS AGRICULTURA	
	SURFACE GEOL UNIT QTL	RESULTS REQ YES	RELEASED 801015		SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:					
TREATMENT NONE		CONDUCTIVITY(MICROMHOS/CM)	1240	DISSOLVED OXYGEN(PPM)	4.4
WATER TEMP(C)	+ 9.4	VISIBILITY(M)	CLEAR	PH 5.4	LO-ION PAPER
TOTAL ALKALINITY(PPM)	430	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	427
APPEARANCE	CLEAR	DISCHARGE(L/M)	10.00		
PRODUCING HORIZON	QTL	CONFIDENCE	POSSIBLE	SOURCE	GEOL. INFERENCE

WELL INFORMATION:					
TYPE	DUG	POWER CLASSIFICATION	ELECTRIC	CASING	UNKNOWN
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	NONE	USE	HOUSEHOLD
DEPTH TO PROD HORIZON(M)	13	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH(M)	13	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE

REMARKS:

1-38 PILLSBURY, N.D. 7.5' MAP, SAMPLE TAKEN FROM PUMP ABOVE WELL HEAD, WELL LOCATED 1M. NORTH OF POWER POLE, 20M SOUTH OF STORAGE BINS;

1-60 ROW CROPS;
1-78 NO ONE HOME, VACANT?;

502047 TYPE STREAM SEDIMENT REPLICATE SAMPLER SLK AIR TEMP(C) + 25.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 1047 TIME TAKEN 10/20/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.181(47 10' 51") LONG 97.817(97 49' 1") CONTAMINANTS AGRICULTURA STREAM FLOW(M/SEC)
SURFACE GEOL UNIT OPG RESULTS REQ NO , RELEASED 801015 WATER: WIDTH(M) DEPTH(M) LEVEL DRY
BED MATERIAL SILT SAMPLE: COLOR M-BN-BK ODOR NONE

SEDIMENT INFORMATION:

SAMPLE CONDITION DRY SAMPLE TREATMENT NONE NUMBER OF GRABS 17 ORGANIC MATERIAL(%) 30

REMARKS:

1-38 PILLSBURY N.D. 7.5' MAP, SAMPLE TAKEN 30M. SOUTH OF STREAM JUNCTION, INTERVAL OVER 20M. STARTING 50M. WEST OF MARSH;
1-60 ROW CROPS;

604131 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 22.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0001 TIME TAKEN 15/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.787(47 47' 13") LONG 96.515(96 30' 54") CONTAMINANTS NONE
SURFACE GEOL UNIT OTL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 745 DISSOLVED OXYGEN(PPM) 0.1
WATER TEMP(C) + 11.6 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
TOTAL ALKALINITY(PPM) 480 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 480
APPEARANCE CLEAR DISCHARGE(L/M) 76.00
PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 25 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 42 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 44 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, 101560, RONALD STAHLBERG, RT.2, CROOKSTON, MN. 56716, SAMPLE FROM HYDRANT ON WEST SIDE OF HOUSE,
WELL IS 15M SOUTH OF HOUSE;
1-78 RONALD STAHLBERG & RT.2 & CROOKSTON, MN. 56716;

604132 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 22.0 WEATHER LT WIND-PT CLDY
PHASE 2 MAP NL1403 SITE 0002 TIME TAKEN 16/31/07/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.790(47 47' 24") LONG 96.569(96 34' 8") CONTAMINANTS NONE
SURFACE GEOL UNIT OTL RESULTS REQ YES , RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 770 DISSOLVED OXYGEN(PPM) 0.1
WATER TEMP(C) + 13.1 VISIBILITY(M) CLEAR PH 7.9 LO-ION PAPER
TOTAL ALKALINITY(PPM) 339 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 344
APPEARANCE CLEAR DISCHARGE(L/M) 760.00
PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	20	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	62	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	66	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, 101825, VERNON BRATVOLD, RT.2, CROOKSTON, MN. 56716, SAMPLE FROM HYDRANT 20M NORTH OF WELL, WELL IS 35M WEST OF HOUSE;
 1-78 VERNON BRATVOLD & RT.2 & CROOKSTON, MN. 56716;

604133	TYPE WELL WATER	REPLICATE	SAMPLER JJU	AIR TEMP(C)	+ 22.0	WEATHER	CALM-PT CLDY
	PHASE 2	MAP NL1403	SITE 0003	TIME TAKEN	17/31/07/79	RELIEF	LOW
	LOCATION: LAT	47.790 (47 47'24")	LONG	96.645 (96 38'42")		VEGETATION	GRASS-MODERATE
	SURFACE GEOL UNIT	OTL	RESULTS REQ	YES	RELEASED	801015	
						SAMPLE: COLOR	-CL -ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	690	DISSOLVED OXYGEN(PPM)	1.1
WATER TEMP(C)	+ 12.3	VISIBILITY(M)	CLEAR	PH	7.8 LO-ION PAPER
TOTAL ALKALINITY(PPM)	304	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	304
APPEARANCE	CLEAR	DISCHARGE(L/M)			
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH	SOURCE	OWNER

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	80	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	50	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	51	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, OSCAR HANSON, RT.1, CROOKSTON, MN. 56716, SAMPLE FROM HYDRANT 15M WEST OF WELL, WELL IS 30M WEST OF HOUSE;
 1-78 OSCAR HANSON & RT.1 & CROOKSTON, MN. 56716;

604134	TYPE WELL WATER	REPLICATE	SAMPLER GJG	AIR TEMP(C)	+ 23.0	WEATHER	LT WIND-CLEAR
	PHASE 2	MAP NL1403	SITE 0051	TIME TAKEN	13/01/08/79	RELIEF	LOW
	LOCATION: LAT	47.731 (47 43'51")	LONG	96.451 (96 27'3")		VEGETATION	GRASS-MODERATE
	SURFACE GEOL UNIT	OTL	RESULTS REQ	YES	RELEASED	801015	
						SAMPLE: COLOR	-CL -ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	720	DISSOLVED OXYGEN(PPM)	1.0
WATER TEMP(C)	+ 12.3	VISIBILITY(M)	CLEAR	PH	7.8 LO-ION PAPER
TOTAL ALKALINITY(PPM)	388	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	380
APPEARANCE	CLEAR	DISCHARGE(L/M)	76.00		
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	24	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	59	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	60	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE		

REMARKS:

1-38 HAROLD 7.5 MIN. TOPO, KENTON FREBERG, RT.3, CROOKSTON, MN., 56716, SAMPLE FROM HYDRANT IN HOUSE, WELL IS 18M NORTH OF HOUSE;

1-78 KENTON FREBERG & RT.3 & CROOKSTON, MN., 56716;

604135 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 24.0 WEATHER LT WIND-PT CLOUD
 PHASE 2 MAP NL1403 SITE 0052 TIME TAKEN 14/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.776(47 46' 33") LONG 96.469(96 28' 8") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 650 DISSOLVED OXYGEN(PPM) 0.6
 WATER TEMP(C) + 8.2 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 328 P ALKALINITY(PPM) 25 H ALKALINITY(PPM) 322
 APPEARANCE CLEAR DISCHARGE(L/M) 681.00 SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QPG CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 35 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 27 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN TOPO, 107921, WAYNE CAPISTRAN, RT.2, CROOKSTON, MN., 56716, SAMPLE FROM HYDRANT 30M ESE OF HOUSE, WELL IS 60M ESE OF HOUSE;

1-78 WAYNE CAPISTRAN & RT.2 & CROOKSTON, MN., 56716;

604136 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 25.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0053 TIME TAKEN 14/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.751(47 45' 3") LONG 96.394(96 23' 38") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 710 DISSOLVED OXYGEN(PPM) 0.9
 WATER TEMP(C) + 9.1 VISIBILITY(M) CLEAR PH 7.9 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 310 P ALKALINITY(PPM) 25 H ALKALINITY(PPM) 310
 APPEARANCE CLEAR DISCHARGE(L/M) 379.00 SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QPG CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 28 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 63 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 64 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 107949, ANTHONY DELAGE, RT.3, CROOKSTON, MN., 56716, SAMPLE FROM HYDRANT ON WEST SIDE OF HOUSE, WELL IS 18M SOUTH OF HOUSE;

1-78 ANTHONY DELAGE & RT.3 & CROOKSTON, MN., 56716;

604137 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 25.7 WEATHER LT WIND-CLEAR

PHASE 2 MAP NL 1403 SITE 0054 TIME TAKEN 15/07/08/79
 LOCATION: LAT 47.789 (47 47'20") LONG 96.389 (96 23'20")
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1120 DISSOLVED OXYGEN (PPM) 0.1
 WATER TEMP (C) + 76.4 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 360 P ALKALINITY (PPM) <5 H ALKALINITY (PPM) 355
 APPEARANCE CLEAR DISCHARGE (L/M) 568.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION COPPER
 METERS FROM HEAD 15 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 26 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 29 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN TOPO, 10726, DICK OPFERKAH, RT. 2, CROOKSTON, MN., 56716, SAMPLE FROM HYDRANT ON EAST SIDE OF HOUSE,
 WELL IS 5M SW OF HOUSE;
 1-78 DICK OPFERKAH & RT. 2 & CROOKSTON, MN., 56716;

604138 TYPE WELL WATER REPLICATE SAMPLER GJG
 PHASE 2 MAP NL 1403 SITE 0055 TIME TAKEN 15/01/08/79
 LOCATION: LAT 47.790 (47 47'24") LONG 96.426 (96 25'33")
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 26.4 WEATHER CALM-CLEAR
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 740 DISSOLVED OXYGEN (PPM) 3.2
 WATER TEMP (C) + 12.3 VISIBILITY (M) CLEAR PH 8.0 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 305 P ALKALINITY (PPM) <5 H ALKALINITY (PPM) 295
 APPEARANCE CLEAR DISCHARGE (L/M) 95.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 1 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 60 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 61 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN TOPO, 107901, ROBERT MULLEN, RT. 2, CROOKSTON, MN., 56716, HYDRANT ON PUMP, WELL IS 18M EAST OF
 TRAILER;
 1-78 ROBERT MULLEN & RT. 2 & CROOKSTON, MN., 56716;

604139 TYPE WELL WATER REPLICATE SAMPLER GJG
 PHASE 2 MAP NL 1403 SITE 0056 TIME TAKEN 16/01/08/79
 LOCATION: LAT 47.838 (47 50'16") LONG 96.440 (96 26'24")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 27.3 WEATHER LT WIND-CLEAR
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 790 DISSOLVED OXYGEN (PPM) 0.2
 WATER TEMP (C) + 11.1 VISIBILITY (M) CLEAR PH 8.2 LO-ION PAPER

TOTAL ALKALINITY (PPM) 335 P ALKALINITY (PPM) 75 M ALKALINITY (PPM) 350
 APPEARANCE CLEAR DISCHARGE (L/M)
 PRODUCING HORIZON PCUT CONFIDENCE PROBABLE SOURCE OWNER

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 87 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH (M) 88 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 RED LAKE FALLS 15 MIN. TOPO, MIKE DUFAULT, RT. 2, CROOKSTON, MN., 56716, SAMPLE FROM HYDRANT ON WELL, WELL IS 19M EAST OF BARN;
 1-78 MIKE DUFAULT & RT. 2 & CROOKSTON, MN., 56716;

604140 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP (C) + 28.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL 1403 SITE 0057 TIME TAKEN 16/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.835 (47 50' 6") LONG 96.379 (96 22' 44") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 710 DISSOLVED OXYGEN (PPM) 0.4
 WATER TEMP (C) + 14.0 VISIBILITY (M) CLEAR PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 290 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 298
 APPEARANCE CLEAR DISCHARGE (L/M)
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 25 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 23 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH (M) 24 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:
 1-38 RED LAKE FALLS 15 MIN. TOPO, CARY DUFAULT, RT. 1, RED LAKE FALLS, MN., 56750, SAMPLE FROM KITCHEN, WELL IS 17 NORTH OF HOUSE;
 1-78 CARY DUFAULT & RT. 1 & RED LAKE FALLS, MN., 56750;

604141 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP (C) + 28.9 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL 1403 SITE 0058 TIME TAKEN 17/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.791 (47 47' 27") LONG 96.448 (96 26' 52") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 630 DISSOLVED OXYGEN (PPM) 0.1
 WATER TEMP (C) + 12.1 VISIBILITY (M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 290 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 285
 APPEARANCE CLEAR DISCHARGE (L/M)
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION COPPER
 METERS FROM HEAD 13 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT

DEPTH TO PROD HORIZON(M)	19	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER
WELL DEPTH(M)	20	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 RED LAKE FALLS 75 MIN TOPD, LAWRENCE PASKE, RT.2, CROOKSTON, MN., 56716, SAMPLE FROM KITCHEN SINK, WELL IS 2M SW OF HOUSE;
 1-78 LAWRENCE PASKE & RT.2 & CROOKSTON, MN., 56716;

604142	TYPE WELL WATER	REPLICATE	SAMPLER GJG	AIR TEMP(C)	+ 22.0	WEATHER	LT WIND-PT CLDY
	PHASE 2	MAP NL 1403	SITE 0059	RELIEF	LOW	VEGETATION	GRASS-MODERATE
	LOCATION: LAT	47.833 (47 49'58")	LONG	96.279 (96 16'44")	CONTAMINANTS	NONE	
	SURFACE GEOL UNIT	OPG	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	715	DISSOLVED OXYGEN(PPM)	1.5
WATER TEMP(C)	+ 72.9	VISIBILITY(M)	CLEAR	PH	7.5
TOTAL ALKALINITY(PPM)	312	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	315
APPEARANCE	CLEAR	DISCHARGE(L/M)	95.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	12	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	24	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	26	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE		

REMARKS:

1-38 RED LAKE FALLS 75 MIN TOPD, 101835, MAURICE DEROSTER, RED LAKE FALLS, MN., 56750, SAMPLE FROM KITCHEN SINK, WELL IS 7M NORTH OF HOUSE;
 1-78 MAURICE DEROSTER & RED LAKE FALLS, MN., 56750;

604143	TYPE WELL WATER	REPLICATE	SAMPLER JJU	AIR TEMP(C)	+ 22.0	WEATHER	LT WIND-CLEAR
	PHASE 2	MAP NL 1403	SITE 0004	RELIEF	LOW	VEGETATION	GRASS-MODERATE
	LOCATION: LAT	47.739 (47 44'20")	LONG	96.502 (96 30' 7")	CONTAMINANTS	NONE	
	SURFACE GEOL UNIT	OTL	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	725	DISSOLVED OXYGEN(PPM)	3.2
WATER TEMP(C)	+ 7.9	VISIBILITY(M)	CLEAR	PH	8.1
TOTAL ALKALINITY(PPM)	362	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	360
APPEARANCE	CLEAR	DISCHARGE(L/M)	380.00	SOURCE	GEOL. INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	62	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	64	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE		

REMARKS:

1-38 GREENVIEW 7.5 MIN. TOPO, 138857, HERBERT HOPPE, RT.2, CROOKSTON, MN. 56716, WELL IS 20M SE OF HOUSE, HYDRANT BY WELL.
 1-78 HERBERT HOPPE & RT.2 & CROOKSTON, MN. 56716;

604144 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 22.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0005 TIME TAKEN 09/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.722(47 43'19") LONG 96.523(96 31'22") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 840 DISSOLVED OXYGEN(PPM) 3.2
 WATER TEMP(C) + 8.8 VISIBILITY(M) CLEAR PH 8.2 LO-TON PAPER
 TOTAL ALKALINITY(PPM) 332 P ALKALINITY(PPM) 75 M ALKALINITY(PPM) 344
 APPEARANCE CLEAR DISCHARGE(L/M) 38.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 76 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 77 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 GREENVIEW 7.5 MIN. TOPO, 138859, RAY HOPPE, RT.3, CROOKSTON, MN. 56716, WELL AND HYDRANT 25M NORTH OF NEW HOUSE;
 1-78 RAY HOPPE & RT.3 & CROOKSTON, MN. 56716;
 2-74 WELL MIGHT PRODUCE FROM PCU WHICH IS 10M BELOW BOTTOM OF WELL;

604145 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 22.1 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0006 TIME TAKEN 09/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.755(47 45'18") LONG 96.601(96 36' 3") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 755 DISSOLVED OXYGEN(PPM) 5.1
 WATER TEMP(C) + 9.1 VISIBILITY(M) CLEAR PH 7.9 LO-TON PAPER
 TOTAL ALKALINITY(PPM) 250 P ALKALINITY(PPM) 45 M ALKALINITY(PPM) 248
 APPEARANCE CLEAR DISCHARGE(L/M) 38.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 68 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 70 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, 215382, ALBERT BREKKEN, RT.1, CROOKSTON, MN. 56716, WELL 35M SSW OF OLD HOUSE, HYDRANT ON NORTH
 SIDE OF BARN;
 1-78 ALBERT BREKKEN & RT.1 & CROOKSTON, MN. 56716;
 2-74 WELL MIGHT PRODUCE FROM PCMU WHICH WAS HIT AT 88M;

604146 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 22.2 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0007 TIME TAKEN 10/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.753(47 45'10") LONG 96.567(96 34' 1") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE
 WATER TEMP(C) + 10.6
 TOTAL ALKALINITY (PPM) 280
 APPEARANCE CLEAR
 PRODUCING HORIZON OPG

CONDUCTIVITY (MICROMHOS/CM) 825
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) <5
 DISCHARGE (L/M) 227.00
 CONFIDENCE HIGH

DISSOLVED OXYGEN (PPM) 5.1
 PH 7.8 LO-ION PAPER
 M ALKALINITY (PPM) 292

SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED
 METERS FROM HEAD 55
 DEPTH TO PROD HORIZON (M) 50
 WELL DEPTH (M) 54

POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK AFTER
 CONFIDENCE OF PRODUCING DEPTH HIGH
 CONFIDENCE OF WELL DEPTH HIGH

CASING STEEL
 USE HOUSEHOLD
 SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

PIPE COMPOSITION PLASTIC
 PUMPING FREQUENCY FREQUENT

REMARKS:
 1-38 CROOKSTON 15 MIN. TOPO, 221060, DENNIS BREKKEN, RT.3, CROOKSTON, MN. 56716, WELL 40M NORTH OF HOUSE, HYDRANT ON NORTH SIDE OF HOUSE;
 1-78 DENNIS BREKKEN & RT.3 & CROOKSTON, MN. 56716;

604147 TYPE WELL WATER REPLICATE SAMPLER JJU
 PHASE 2 MAP NL1403 SITE 0008 TIME TAKEN 10/01/08/79
 LOCATION: LAT 47.749 (47 44'56") LONG 96.629 (96 37'44")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 23.0 WEATHER CALM-CLEAR
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE SAMPLE: COLOR - - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE
 WATER TEMP (C) + 8.7
 TOTAL ALKALINITY (PPM) 248
 APPEARANCE CLEAR
 PRODUCING HORIZON OPG

CONDUCTIVITY (MICROMHOS/CM) 750
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) <5
 DISCHARGE (L/M)
 CONFIDENCE HIGH

DISSOLVED OXYGEN (PPM) 6.2
 PH 8.1 LO-ION PAPER
 M ALKALINITY (PPM) 244

SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED
 METERS FROM HEAD 2
 DEPTH TO PROD HORIZON (M) 61
 WELL DEPTH (M) 62

POWER CLASSIFICATION ELECTRIC
 WITH RESPECT TO PRESSURE TANK BEFORE
 CONFIDENCE OF PRODUCING DEPTH HIGH
 CONFIDENCE OF WELL DEPTH HIGH

CASING STEEL
 USE OTHER
 SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

PIPE COMPOSITION PLASTIC
 PUMPING FREQUENCY FREQUENT

REMARKS:
 1-38 GIRARD 7.5 MIN. TOPO, 221636, RED RIVER ALFALFA CO., CROOKSTON, MN. 56716, WELL AND HYDRANT 20M NORTH OF LAST STORAGE BIN TO THE NE;
 1-78 RED RIVER ALFALFA CO. & P.O. BOX 572 & CROOKSTON, MN. 56716;
 3-26 WELL USED FOR INDUSTRIAL USE;

604148 TYPE WELL WATER REPLICATE SAMPLER JJU
 PHASE 2 MAP NL1403 SITE 0009 TIME TAKEN 11/01/08/79
 LOCATION: LAT 47.745 (47 44'42") LONG 96.719 (96 43' 8")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 23.0 WEATHER LT WIND-CLEAR
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE SAMPLE: COLOR - - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE
 WATER TEMP (C) + 7.9
 TOTAL ALKALINITY (PPM) 264
 APPEARANCE CLEAR
 PRODUCING HORIZON OPG

CONDUCTIVITY (MICROMHOS/CM) 775
 VISIBILITY (M) CLEAR
 P ALKALINITY (PPM) <5
 DISCHARGE (L/M) 9.00
 CONFIDENCE PROBABLE

DISSOLVED OXYGEN (PPM) 5.3
 PH 8.0 LO-ION PAPER
 M ALKALINITY (PPM) 270

SOURCE OWNER

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	2	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	51	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	52	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 GIRARD 7.5 MIN. TOPO, RALPH FINKEBINDER, RT.1, CROOKSTON, MN. 56716, WELL AND HYDRANT 60M ESE OF HOUSE;
 1-78 RALPH FINKEBINDER & RT.1 & CROOKSTON, MN. 56716;

604149 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 23.0 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 0010 TIME TAKEN 12/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.786(47 47' 9") LONG 96.723(96 43' 22") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	1750	DISSOLVED OXYGEN (PPH)	3.5
WATER TEMP (C)	+ 13.7	VISIBILITY (M)	CLEAR	PH 7.8	LO-ION PAPER
TOTAL ALKALINITY (PPH)	228	P ALKALINITY (PPH)	<5	H ALKALINITY (PPH)	240
APPEARANCE	CLEAR	DISCHARGE (L/M)			
PRODUCING HORIZON	PCHU	CONFIDENCE	PROBABLE	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	45	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	91	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	92	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, WALTON WENTZEL, RT.1, FISHER, MN. 56723, WELL 30M SW OF HOUSE, HYDRANT IN GARAGE NORTH OF HOUSE;
 1-78 WALTON WENTZEL & RT.1 & FISHER, MN. 56723;

604150 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 23.2 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 0011 TIME TAKEN 13/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.848(47 50' 52") LONG 96.718(96 43' 4") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	850	DISSOLVED OXYGEN (PPH)	4.2
WATER TEMP (C)	+ 10.6	VISIBILITY (M)	CLEAR	PH 7.5	LO-ION PAPER
TOTAL ALKALINITY (PPH)	328	P ALKALINITY (PPH)	<5	H ALKALINITY (PPH)	330
APPEARANCE	CLEAR	DISCHARGE (L/M)	189.00		
PRODUCING HORIZON	QTL	CONFIDENCE	PROBABLE	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	55	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	31	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	32	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, RON REITMEIER, RT.1, FISHER, MN. 56723, WELL 40M WEST OF HOUSE, HYDRANT ON NORTH SIDE OF HOUSE;
 1-78 RON REITMEIER & RT.1 & FISHER, MN. 56723;

604151 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 23.5 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 0012 TIME TAKEN 13/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.833(47 49'58") LONG 96.655(96 39'18") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 800 DISSOLVED OXYGEN(PPM) 4.4
 WATER TEMP(C) + 8.8 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 220 P ALKALINITY(PPM) 25 H ALKALINITY(PPM) 220
 APPEARANCE CLEAR DISCHARGE(L/M)
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 87 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 88 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

I-38 CROOKSTON 15 MIN. TOPO, JERRY HARDNER, RT.1, CROOKSTON, MN. 56716, WELL AND HYDRANT 20M SW OF HOUSE;
 I-78 JERRY HARDNER & RT.1 & CROOKSTON, MN. 56716;

604152 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 23.5 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 0013 TIME TAKEN 14/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.832(47 49'55") LONG 96.589(96 35'20") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 915 DISSOLVED OXYGEN(PPM) 3.5
 WATER TEMP(C) + 15.0 VISIBILITY(M) CLEAR PH 8.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 260 P ALKALINITY(PPM) 25 H ALKALINITY(PPM) 270
 APPEARANCE CLEAR DISCHARGE(L/M) 57.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 45 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 74 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 75 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

I-38 CROOKSTON 15 MIN. TOPO, 107902, GARRY BUTENHOFF, RT.2 CROOKSTON, MN. 56716, WELL 5M SOUTH OF SW CORNER OF HOUSE, HYDRANT
 30M SE OF HOUSE;
 J-78 GARY BUTENHOFF & RT.2 & CROOKSTON, MN. 56716;

604153 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 23.5 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 0014 TIME TAKEN 14/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.826(47 49'33") LONG 96.487(96 29'13") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 710 DISSOLVED OXYGEN(PPM) 3.3
 WATER TEMP(C) + 12.0 VISIBILITY(M) CLEAR PH 7.9 LO-ION PAPER

TOTAL ALKALINITY (PPM) 296 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 290
 APPEARANCE CLEAR DISCHARGE (L/M) 150.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 66 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 67 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 107913, HENRY ELBINGER, RT. 2, CROOKSTON, MN, 56716, WELL AND HYDRANT 70M EAST OF HOUSE;
 1-78 HENRY ELBINGER & RT. 2 & CROOKSTON, MN, 56716;

604154 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 23.3 WEATHER CLEAR
 PHASE 2 MAP NL 1403 SITE 0015 TIME TAKEN 15/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.888 (47 53' 16") LONG 96.507 (96 30' 25") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 815 DISSOLVED OXYGEN (PPM) 17.8
 WATER TEMP (C) + 7.5 VISIBILITY (M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 302 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 294
 APPEARANCE CLEAR DISCHARGE (L/M) PROBABLE SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QPG CONFIDENCE PROBABLE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 25 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 80 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH (M) 81 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, VANCE SCHIPPER, RT. 2, CROOKSTON, MN, 56716, WELL UNDER WEST SIDE OF HOUSE, HYDRANT ON NORTH SIDE
 OF HOUSE;
 1-78 VANCE SCHIPPER & RT. 2 & CROOKSTON, MN, 56716;

604155 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP (C) + 22.5 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL 1403 SITE 0060 TIME TAKEN 09/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.805 (47 48' 18") LONG 96.279 (96 16' 44") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 670 DISSOLVED OXYGEN (PPM) 0.7
 WATER TEMP (C) + 12.9 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 318 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 330
 APPEARANCE CLEAR DISCHARGE (L/M) 227.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 26 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 29 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE

WELL DEPTH(M) 32 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 101804, HILLARD PURATH, RT. 1, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON WEST SIDE OF HOUSE, WELL IS 22M NW OF HOUSE;
 1-78 HILLARD PURATH & RT. 1 & RED LAKE FALLS, MN., 56750;

604156 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 23.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0061 TIME TAKEN 10/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.890 (47 53' 24") LONG 96.302 (96 18' 7") CONTAMINANTS NONE SAMPLE: COLOR - -CL ODOR H2S
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 930 DISSOLVED OXYGEN(PPM) 1.4
 WATER TEMP(C) + 11.7 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 360 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 360
 APPEARANCE CLEAR DISCHARGE(L/M) SOURCE GEOL. INFERENCE
 PRODUCING HORIZON OPG CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 27 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 33 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 34 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, MIKE SEEGER, RT. 1, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON EAST SIDE OF HOUSE, WELL IS 21M SE OF HOUSE;
 1-78 MIKE SEEGER & RT. 1 & RED LAKE FALLS, MN., 56750;

604157 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 24.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0062 TIME TAKEN 11/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.889 (47 53' 20") LONG 96.360 (96 21' 36") CONTAMINANTS NONE SAMPLE: COLOR - -CL ODOR NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1135 DISSOLVED OXYGEN(PPM) 2.1
 WATER TEMP(C) + 13.5 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 322 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 320
 APPEARANCE CLEAR DISCHARGE(L/M) SOURCE GEOL. INFERENCE
 PRODUCING HORIZON OPG CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION COPPER
 METERS FROM HEAD 79 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 29 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, HENRY J. BRUNELLE, RT. 2, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT IN BARN, WELL IS 75M SOUTH OF BARN;
 1-78 HENRY J. BRUNELLE & RT. 2 & RED LAKE FALLS, MN., 56750;

604158 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 24.7 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0063 TIME TAKEN 11/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.885 (47 53' 6") LONG 96.437 (96 26' 13") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 850 DISSOLVED OXYGEN(PPM) 2.0
 WATER TEMP(C) + 10.7 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 312 P ALKALINITY(PPM) 25 M ALKALINITY(PPM) 310
 APPEARANCE CLEAR DISCHARGE(L/M) SOURCE GEOL. INFERENCE
 PRODUCING HORIZON PCMU CONFIDENCE HIGH

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 91 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 91 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, EUGENE HAURA, RT.2, CROOKSTON, MN., 56716, SAMPLE FROM HYDRANT NEXT TO WELL, WELL IS ON EAST SIDE OF HOUSE;
 1-78 EUGENE HAURA & RT.2 & CROOKSTON, MN., 56716;

604159 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 25.4 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0064 TIME TAKEN 12/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.928 (47 55' 40") LONG 96.444 (96 26' 38") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1090 DISSOLVED OXYGEN(PPM) 1.2
 WATER TEMP(C) + 14.2 VISIBILITY(M) CLEAR PH 8.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 305 P ALKALINITY(PPM) 3 M ALKALINITY(PPM) 295
 APPEARANCE CLEAR DISCHARGE(L/M) 76.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 57 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 76 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 76 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 107925, BEATRICE BEYER, RT.2, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON EAST SIDE OF HOUSE, WELL IS 52M NORTH OF HOUSE;
 1-78 BEATRICE BEYER & RT.2 & RED LAKE FALLS, MN., 56750;

604160 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 26.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0065 TIME TAKEN 12/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.948 (47 56' 52") LONG 96.424 (96 25' 26") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 965 DISSOLVED OXYGEN(PPM) 0.4

WATER TEMP(C) + 8.5 VISIBILITY(M) CLEAR PH 8.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 255 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 263
 APPEARANCE CLEAR DISCHARGE(L/M) 681.00
 PRODUCING HORIZON PCMU CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 26 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 120 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 125 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 107924, LEONARD HUOT, RT.2, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT 25M NE OF WELL,
 WELL IS 34M WSH OF BARN;
 1-78 LEONARD HUOT & RT.2 & RED LAKE FALLS, MN., 56750;

604161 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 27.0 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0066 TIME TAKEN 13/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.966(47 57'57") LONG 96.436(96 26' 9") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1460 DISSOLVED OXYGEN(PPM) 2.8
 WATER TEMP(C) + 12.8 VISIBILITY(M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 572 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 560
 APPEARANCE CLEAR DISCHARGE(L/M) CONFIDENCE HIGH SOURCE GEOL. INFERENCE
 PRODUCING HORIZON QPG

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 41 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 42 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, RAYMOND MULLER, RT.2, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON WELHOUSE, WELL IS
 40M NORTH OF HOUSE;
 1-78 RAYMOND MULLER & RT.2 & RED LAKE FALLS, MN., 56750;

604162 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 28.0 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0067 TIME TAKEN 13/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.963(47 57'46") LONG 96.354(96 21'14") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR H2S

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 775 DISSOLVED OXYGEN(PPM) 8.7
 WATER TEMP(C) + 8.7 VISIBILITY(M) CLEAR PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 302 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 300
 APPEARANCE CLEAR DISCHARGE(L/M) 379.00
 PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED

METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	44	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	46	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 101810, EVANGELINE KOPECKY, RT.2, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON PUMPHOUSE, WELL 15 13M SE OF HOUSE;
1-78 EVANGELINE KOPECKY & RT.2 & RED LAKE FALLS, MN., 56750;

604163 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 29.0 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0068 TIME TAKEN 14/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.948 (47 56' 52") LONG 96.400 (96 24' 0") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	720	DISSOLVED OXYGEN (PPM)	L.L.
WATER TEMP (C)	+ 9.1	VISIBILITY (M)	CLEAR	PH 8.1 LO-ION PAPER	L.L.
TOTAL ALKALINITY (PPM)	295	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	298
APPEARANCE	CLEAR	DISCHARGE (L/M)	454.00		
PRODUCING HORIZON	PCHU	CONFIDENCE	HIGH	SOURCE GEOLOGICAL INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	1	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSE/STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	120	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	139	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 103100, KENNETH WIELAND, RT.2, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON WELL, WELL 15 41M SE OF HOUSE;
1-78 KENNETH WIELAND & RT.2 & RED LAKE FALLS, MN., 56750;

604164 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 29.4 WEATHER LT WIND-CLEAR
PHASE 2 MAP NL1403 SITE 0069 TIME TAKEN 14/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.919 (47 55' 8") LONG 96.352 (96 21' 7") CONTAMINANTS NONE
SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR H2S

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	1230	DISSOLVED OXYGEN (PPM)	1.7
WATER TEMP (C)	+ 9.7	VISIBILITY (M)	CLEAR	PH 7.2 LO-ION PAPER	
TOTAL ALKALINITY (PPM)	370	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	370
APPEARANCE	CLEAR	DISCHARGE (L/M)	95.00		
PRODUCING HORIZON	QPG	CONFIDENCE	HIGH	SOURCE GEOLOGICAL INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	19	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	51	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	54	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 125736, JOHN THEROUX, RT.2, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON EAST SIDE OF HOUSE, WELL 15 8M WEST OF HOUSE;

1-78 JOHN THEROUX & RT. 2 & RED LAKE FALLS, MN., 56750:

604165 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 29.9 WEATHER LT WIND-CLEAR
 PHASE 2 MAP NL1403 SITE 0070 TIME TAKEN 15/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.938 (47 56' 16") LONG 96.285 (96 17' 6") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 770 DISSOLVED OXYGEN (PPM) 0.5
 WATER TEMP(C) + 14.3 VISIBILITY (M) CLEAR PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 360 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 360
 APPEARANCE CLEAR DISCHARGE (L/M)
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 43 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 31 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH (M) 32 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, DON MAJERES, RT. 2, RED LAKE FALLS, MN., 56750, SAMPLE FROM KITCHEN SINK, WELL IS IN GARAGE SE OF HOUSE;
 1-78 DON MAJERES & RT. 2 & RED LAKE FALLS, MN., 56750:

604166 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 30.1 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0071 TIME TAKEN 15/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.978 (47 58' 40") LONG 96.289 (96 17' 20") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 770 DISSOLVED OXYGEN (PPM) 3.6
 WATER TEMP(C) + 12.8 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 430 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 430
 APPEARANCE CLEAR DISCHARGE (L/M)
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 16 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 18 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH (M) 18 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 RED LAKE FALLS 15 MIN TOPO, RONALD MCKERCHER, ST. HILAIRE, MN., 56754, SAMPLE FROM HYDRANT ON EAST SIDE OF HOUSE, WELL IS 10M NE OF HOUSE;
 1-78 RONALD MCKERCHER & ST. HILAIRE, MN., 56754:

604167 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 24.1 WEATHER -CLEAR
 PHASE 2 MAP NL1403 SITE 0016 TIME TAKEN 16/01/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.889 (47 53' 20") LONG 96.585 (96 35' 6") CONTAMINANTS NONE

SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

SAMPLE: COLOR - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	870	DISSOLVED OXYGEN (PPM)	6.7
WATER TEMP (C) + 7.4	VISIBILITY (M)	CLEAR	PH 7.6	LO-ION PAPER
TOTAL ALKALINITY (PPM) 188	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	190
APPEARANCE CLEAR	DISCHARGE (L/M)			
PRODUCING HORIZON OPG	CONFIDENCE PROBABLE		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION ELECTRIC	CASING STEEL	PIPE COMPOSITION GALVANIZED
METERS FROM HEAD 130	WITH RESPECT TO PRESSURE TANK AFTER	USE HOUSEHOLD	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 42	CONFIDENCE OF PRODUCING DEPTH POSSIBLE	SOURCE OF PRODUCING INFORMATION OWNER	
WELL DEPTH (M) 43	CONFIDENCE OF WELL DEPTH POSSIBLE	SOURCE OF DEPTH INFORMATION OWNER	

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, JIM DODA, RT. 2, CROOKSTON, MN. 56716, WELL ON WEST SIDE OF BARN, 100M NORTH OF HOUSE, HYDRANT IN HOUSE;
 1-78 JIM DODA & RT. 2 & CROOKSTON, MN. 56716;

604168 TYPE WELL WATER REPLICATE SAMPLER JJU
 PHASE 2 MAP NL1403 SITE 0017 TIME TAKEN 17/01/08/79
 LOCATION: LAT 47.902 (47 54' 7") LONG 96.654 (96 39' 14")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 23.0 WEATHER -CLEAR-
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	825	DISSOLVED OXYGEN (PPM)	3.4
WATER TEMP (C) + 10.1	VISIBILITY (M)	CLEAR	PH 7.6	LO-ION PAPER
TOTAL ALKALINITY (PPM) 242	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	250
APPEARANCE CLEAR	DISCHARGE (L/M)	15.00		
PRODUCING HORIZON QTL	CONFIDENCE PROBABLE		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION ELECTRIC	CASING STEEL	PIPE COMPOSITION PLASTIC
METERS FROM HEAD 75	WITH RESPECT TO PRESSURE TANK AFTER	USE HOUSEHOLD	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 19	CONFIDENCE OF PRODUCING DEPTH PROBABLE	SOURCE OF PRODUCING INFORMATION OWNER	
WELL DEPTH (M) 20	CONFIDENCE OF WELL DEPTH PROBABLE	SOURCE OF DEPTH INFORMATION OWNER	

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, AMBROSE ALTEPETER, RT. 1, EUCLID, MN. 56722, WELL AND HYDRANT 30M EAST OF HOUSE
 1-78 AMBROSE ALTEPETER & RT. 1 & EUCLID, MN. 56722;

604169 TYPE WELL WATER REPLICATE SAMPLER JJU
 PHASE 2 MAP NL1403 SITE 0018 TIME TAKEN 09/02/08/79
 LOCATION: LAT 47.892 (47 53' 31") LONG 96.729 (96 43' 44")
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 23.0 WEATHER CALM-CLEAR
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	825	DISSOLVED OXYGEN (PPM)	3.9
WATER TEMP (C) + 7.2	VISIBILITY (M)	CLEAR	PH 7.6	LO-ION PAPER
TOTAL ALKALINITY (PPM) 289	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	286
APPEARANCE CLEAR	DISCHARGE (L/M)	23.00		
PRODUCING HORIZON QTL	CONFIDENCE HIGH		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	2	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	26	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	27	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, RICHARD LUCKOW, RT.1, FISHER, MN. 56723, WELL AND HYDRANT 20M EAST OF GARAGE;
 1-78 RICHARD LUKOW & RT.1 & FISHER, MN. 56723;

604170	TYPE WELL WATER	REPLICATE	SAMPLER JJU	AIR TEMP(C)	+ 23.2	WEATHER	CALM-CLEAR
	PHASE 2	MAP NL1403	SITE 0019	TIME TAKEN	10/02/08/79	RELIEF	LOW
	LOCATION: LAT	47.941 (47 56' 27")	LONG	96.699 (96 41' 56")	CONTAMINANTS	NONE	
	SURFACE GEOL UNIT	OTL	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1000	DISSOLVED OXYGEN(PPM)	3.2
WATER TEMP(C)	+ 11.4	VISIBILITY(M)	CLEAR	PH	7.8 LO-ION PAPER
TOTAL ALKALINITY(PPM)	230	P ALKALINITY(PPM)	75	M ALKALINITY(PPM)	224
APPEARANCE	CLEAR	DISCHARGE(L/M)	56.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	60	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	58	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	60	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, 107923, JOHN TUCKER, RT.1, EUCLID, MN. 56722, WELL 50M EAST OF NE CORNER OF HOUSE, HYDRANT IN HOUSE;
 1-78 JOHN TUCKER & RT.1 & EUCLID, MN. 56722;

604171	TYPE WELL WATER	REPLICATE	SAMPLER JJU	AIR TEMP(C)	+ 23.5	WEATHER	CALM-CLEAR
	PHASE 2	MAP NL1403	SITE 0020	TIME TAKEN	10/02/08/79	RELIEF	LOW
	LOCATION: LAT	47.940 (47 56' 24")	LONG	96.634 (96 38' 2")	CONTAMINANTS	NONE	
	SURFACE GEOL UNIT	OPG	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1030	DISSOLVED OXYGEN(PPM)	3.2
WATER TEMP(C)	+ 12.1	VISIBILITY(M)	CLEAR	PH	8.0 LO-ION PAPER
TOTAL ALKALINITY(PPM)	304	P ALKALINITY(PPM)	20	M ALKALINITY(PPM)	280
APPEARANCE	CLEAR	DISCHARGE(L/M)	11.00	SOURCE	GEOLOGICAL INFERENCE
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	18	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	70	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	73	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, 101734, RONALD GOODYKE, BOX 110, EUCLID, MN. 56722, WELL 5M WEST OF SW CORNER OF HOUSE, HYDRANT ON

EAST SIDE OF HOUSE;
1-78 RONALD GOODYKE & BOX 110 & EUCLID, MN. 56722;

604172 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 23.8 WEATHER CALM-CLEAR
PHASE 2 MAP NL 1403 SITE 0021 TIME TAKEN 11/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.948(47 56'52") LONG 96.573(96 34'22") CONTAMINANTS NONE
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED BOTOTS SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1115 DISSOLVED OXYGEN(PPM) 3.9
WATER TEMP(C) + 9.9 STABILITY(M) CLEAR PH 8.0 LD-ION PAPER
TOTAL ALKALINITY(PPM) 200 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 196
APPEARANCE CLEAR DISCHARGE(L/H) 228.00
PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 29 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, JOHN SALENTINE BOX 104, EUCLID, MN. KLM 1, WELL AND HYDRANT 50M EAST OF HOUSE;
1-78 JOHN SALENTINE & BOX 104 & EUCLID, MN. 56722;

604173 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 24.0 WEATHER CALM-CLEAR
PHASE 2 MAP NL 1403 SITE 0022 TIME TAKEN 11/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.923(47 55'22") LONG 96.486(96 29' 9") CONTAMINANTS NONE
SURFACE GEOL UNIT OYL RESULTS REQ YES, RELEASED BOTOTS SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 680 DISSOLVED OXYGEN(PPM) 3.4
WATER TEMP(C) + 14.1 STABILITY(M) CLEAR PH 7.8 LD-ION PAPER
TOTAL ALKALINITY(PPM) 286 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 281
APPEARANCE CLEAR DISCHARGE(L/H) 11.00
PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 10 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 57 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 58 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN. TOPO, 215379, BOB PROULX, RT.2, RED LAKE FALLS, MN. 56750, WELL 3M NORTH OF HYDRANT ON NW CORNER OF HOUSE;
1-78 BOB PROULX & RT.2 & RED LAKE FALLS, MN. 56750;

604175 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 24.2 WEATHER CALM-CLEAR
PHASE 2 MAP NL 1403 SITE 0023 TIME TAKEN 12/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.977(47 58'37") LONG 96.566(96 33'57") CONTAMINANTS NONE

SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	1000	DISSOLVED OXYGEN (PPM)	4.5
WATER TEMP (C) + 12.5	VISIBILITY (M)	CLEAR	PH 7.9 LO-ION PAPER	
TOTAL ALKALINITY (PPM) 226	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	224
APPEARANCE CLEAR	DISCHARGE (L/M)	13.00		
PRODUCING HORIZON QPG	CONFIDENCE HIGH		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION ELECTRIC	CASING STEEL	PIPE COMPOSITION PLASTIC
METERS FROM HEAD 60	WITH RESPECT TO PRESSURE TANK AFTER	USE HOUSEHOLD	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 73	CONFIDENCE OF PRODUCING DEPTH HIGH	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE
WELL DEPTH (M) 74	CONFIDENCE OF WELL DEPTH HIGH	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, T03104, CHARLES ZAHMERT, BOX 93, RT. 7, EUCLID, MN. 56722, WELL 20M NORTH OF HOUSE, HYDRANT 30M EAST OF HOUSE;
 1-78 CHARLES ZAHMERT & BOX 93, RT. 7 & EUCLID, MN. 56722;

604176 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 24.7 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0024 TIME TAKEN 12/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.978 (47 58' 40") LONG 96.535 (96 32' 6") CONTAMINANTS NONE
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	1090	DISSOLVED OXYGEN (PPM)	2.9
WATER TEMP (C) + 12.6	VISIBILITY (M)	CLEAR	PH 7.7 LO-ION PAPER	
TOTAL ALKALINITY (PPM) 302	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	304
APPEARANCE CLEAR	DISCHARGE (L/M)	8.00		
PRODUCING HORIZON QPG	CONFIDENCE PROBABLE		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION ELECTRIC	CASING STEEL	PIPE COMPOSITION PLASTIC
METERS FROM HEAD 2	WITH RESPECT TO PRESSURE TANK BEFORE	USE HOUSEHOLD	PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON (M) 30	CONFIDENCE OF PRODUCING DEPTH POSSIBLE	SOURCE OF PRODUCING INFORMATION	OWNER
WELL DEPTH (M) 31	CONFIDENCE OF WELL DEPTH PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, EDWARD BROWN, BOX 94A, EUCLID, MN. 56722, WELL AND HYDRANT 50M EAST OF HOUSE;
 1-78 EDWARD BROWN & BOX 94A & EUCLID, MN. 56722;

604177 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 25.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0025 TIME TAKEN 13/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.974 (47 58' 26") LONG 96.637 (96 38' 13") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	1070	DISSOLVED OXYGEN (PPM)	4.0
WATER TEMP (C) + 12.1	VISIBILITY (M)	CLEAR	PH 7.9 LO-ION PAPER	
TOTAL ALKALINITY (PPM) 286	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	281
APPEARANCE CLEAR	DISCHARGE (L/M)	76.00		
PRODUCING HORIZON QPG	CONFIDENCE HIGH		SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	30	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	75	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	77	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, 101761, DAVID MAGSAM, BOX 238, EUCLID, MN. 56722, WELL 20M SE OF HOUSE, HYDRANT ON NORTH SIDE OF HOUSE;
 1-78 DAVID MAGSAM & BOX 238 & EUCLID, MN. 56722;

604178	TYPE WELL WATER	REPLICATE	SAMPLER JJU	AIR TEMP(C)	+ 25.0	WEATHER	CALM-CLEAR
	PHASE 2 MAP NL1403	SITE 0026	TIME TAKEN 13/02/08/79	RELIEF	LOW	VEGETATION	GRASS-MODERATE
	LOCATION: LAT 47.994 (47 59' 38")	LONG 96.719 (96 43' 8")		CONTAMINANTS	NONE	SAMPLE: COLOR	- - -CL - ODOR NONE
	SURFACE GEOL UNIT QTL	RESULTS REQ YES	RELEASED 801015				

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1220	DISSOLVED OXYGEN(PPM)	3.4
WATER TEMP(C)	+ 10.9	VISIBILITY(M)	CLEAR	PH 7.8	LO-TON PAPER
TOTAL ALKALINITY(PPM)	200	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	200
APPEARANCE	CLEAR	DISCHARGE(L/H)	38.00		
PRODUCING HORIZON	QPG	CONFIDENCE	HIGH	SOURCE	GEOLOGICAL INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	60	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	66	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	68	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 CROOKSTON 15 MIN. TOPO, 107903, JAMES SHERRY, RT. 1, EUCLID, MN. 56722, WELL 25M SOUTH OF HOUSE, HYDRANT 25M EAST OF HOUSE;
 1-78 JAMES SHERRY & RT. 1 & EUCLID, MN. 56722;

604179	TYPE WELL WATER	REPLICATE	SAMPLER GJG	AIR TEMP(C)	+ 30.5	WEATHER	LT WIND-PT CLDY
	PHASE 2 MAP NL1403	SITE 0072	TIME TAKEN 16/02/08/79	RELIEF	LOW	VEGETATION	GRASS-MODERATE
	LOCATION: LAT 47.983 (47 58' 58")	LONG 96.215 (96 12' 54")		CONTAMINANTS	NONE	SAMPLE: COLOR	- - -CL - ODOR NONE
	SURFACE GEOL UNIT QTL	RESULTS REQ NO	RELEASED 801015				

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	1020	DISSOLVED OXYGEN(PPM)	0.1
WATER TEMP(C)	+ 21.4	VISIBILITY(M)	CLEAR	PH 7.9	LO-TON PAPER
TOTAL ALKALINITY(PPM)	330	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	330
APPEARANCE	CLEAR	DISCHARGE(L/H)			
PRODUCING HORIZON	QPG	CONFIDENCE	HIGH	SOURCE	GEOLOGICAL INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	67	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	30	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	30	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 PLUMMER NW 7.5 MIN. TOPO, MRS. ADOLF NYHAGEN, ST. HILAIRE, MN., 56754, SAMPLE FROM KITCHEN SINK, WELL 15 8M EAST OF BARN;

604180 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 30.9 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0073 TIME TAKEN 16/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.920 (47 55' 12") LONG 96.247 (96 14' 49") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 720 DISSOLVED OXYGEN(PPM) 0.9
 WATER TEMP(C) + 11.4 VISIBILITY(M) CLEAR PH 8.4 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 355 P ALKALINITY(PPM) 10 H ALKALINITY(PPM) 362
 APPEARANCE CLEAR DISCHARGE(L/M)
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 91 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 91 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 PLUMMER NW 7.5 MIN TOPO, EDWARD N. SCHMITZ, RT.3, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT IN PUMPHOUSE, WELL IS
 15M NW OF HOUSE;
 1-78 EDWARD H. SCHMITZ & RT.3 & RED LAKE FALLS, MN., 56750;

604181 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 30.9 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0074 TIME TAKEN 17/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.921 (47 55' 15") LONG 96.248 (96 14' 52") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2610 DISSOLVED OXYGEN(PPM) 2.2
 WATER TEMP(C) + 16.2 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 490 P ALKALINITY(PPM) <5 H ALKALINITY(PPM) 495
 APPEARANCE CLEAR DISCHARGE(L/M) 57.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 28 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 29 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 PLUMMER NW 7.5 MIN TOPO, 128420, EDWARD H. SCHMITZ, RT.3, RED LAKE FALLS, MN., 56750, SAMPLE FROM CHICKEN COOP, WELL IS 8M
 NORTH OF SILO;
 1-78 EDWARD H. SCHMITZ & RT.3 & RED LAKE FALLS, MN., 56750;

604182 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 31.1 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL1403 SITE 0075 TIME TAKEN 17/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.885 (47 53' 6") LONG 96.236 (96 14' 9") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ NO, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 700 DISSOLVED OXYGEN(PPM) 1.8

WATER TEMP(C) 77.9 VISIBILITY(M) CLEAR PH 8.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 310 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 310
 APPEARANCE CLEAR DISCHARGE(L/M) 379.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 32 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 55 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 63 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 PLUMMER NW 7.5 MIN, TPOD, 128420, JIM GAUTHIER, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON EAST SIDE OF HOUSE, WELL IS 25M ESE OF HOUSE;

604183 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 31.1 WEATHER LT WIND-PT CLDY
 PHASE 2 MAP NL 1403 SITE 0076 TIME TAKEN 08/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.847(47 50'49") LONG 96.252(96 15' 7") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ NO ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 710 DISSOLVED OXYGEN(PPM) 1.5
 WATER TEMP(C) + 9.2 VISIBILITY(M) CLEAR PH 8.0 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 340 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 350
 APPEARANCE CLEAR DISCHARGE(L/M) 151.00
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 29 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 35 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 RED LAKE FALLS 15 MIN, TPOD, 103107, ERNEST WATTHAUER, RT. 3, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT NEXT TO WELL, WELL IS 48M SE OF HOUSE;

604184 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 18.3 WEATHER LT WIND-QUERCST
 PHASE 2 MAP NL 1403 SITE 0077 TIME TAKEN 09/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.805(47 48'18") LONG 96.244(96 14'38") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 690 DISSOLVED OXYGEN(PPM) 1.3
 WATER TEMP(C) + 11.3 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 242 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 235
 APPEARANCE CLEAR DISCHARGE(L/M)
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 12 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 9 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER

WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 TERREBONNE 7.5 MIN. TOPO, ROGER PICHE, RT. 1, RED LAKE FALLS, MN., 56750, SAMPLE FROM KITCHEN SINK, WELL IS 2M SE OF HOUSE; 1-78 ROGER PICHE & RT. 1 & RED LAKE FALLS, MN., 56750;

604185 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 19.0 WEATHER LT WIND-OVERCST PHASE 2 MAP NL1403 SITE 0078 TIME TAKEN 09/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE LOCATION: LAT 47.788 (47 47' 16") LONG 96.187 (96 10' 55") CONTAMINANTS NONE SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 955 DISSOLVED OXYGEN(PPM) 10.7 WATER TEMP(C) + 26.0 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER TOTAL ALKALINITY(PPM) 300 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 300 APPEARANCE CLEAR DISCHARGE(L/M) PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC METERS FROM HEAD 29 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT DEPTH TO PROD HORIZON(M) 27 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER WELL DEPTH(M) 27 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 TERREBONNE 7.5 MIN TOPO, DAN HAAS, RT. 2, MENTOR, MN., 56736, SAMPLE FROM KITCHEN SINK, WELL IS 19M WEST OF HOUSE; 1-78 DAN HAAS & RT. 2 & MENTOR, MN., 56736;

604186 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 20.0 WEATHER LT WIND-OVERCST PHASE 2 MAP NL1403 SITE 0079 TIME TAKEN 10/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE LOCATION: LAT 47.828 (47 49' 40") LONG 96.182 (96 10' 55") CONTAMINANTS NONE SURFACE GEOL UNIT OPG RESULTS REQ NO, RELEASED 801015 SAMPLE: COLOR - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 795 DISSOLVED OXYGEN(PPM) 2.9 WATER TEMP(C) + 9.8 VISIBILITY(M) CLEAR PH 7.6 LO-ION PAPER TOTAL ALKALINITY(PPM) 390 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 390 APPEARANCE CLEAR DISCHARGE(L/M) PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT DEPTH TO PROD HORIZON(M) 30 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 TERREBONNE 7.5 MIN. TOPO, RUS REMICK, RT. 1, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT ON PUMPHOUSE, WELL IS ONE METER NORTH OF BARN;

604187 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 20.8 WEATHER LT WIND-OVERCST

PHASE 2 MAP NL 1403 SITE 0080 TIME TAKEN 10/03/08/79
 LOCATION: LAT 47.842 (47 50'31") LONG 96.134 (96 8' 2")
 SURFACE GEOL UNIT QTL RESULTS REQ NO , RELEASED 801015

RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 745 DISSOLVED OXYGEN (PPM) 4.6
 WATER TEMP (C) + 9.0 VISIBILITY (M) CLEAR PH 7.8 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 338 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 332
 APPEARANCE CLEAR DISCHARGE (L/M) 530.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ARTESIAN CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 100 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY CONSTANT
 DEPTH TO PROD HORIZON (M) 11 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 17 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 TERREBONNE 7.5 MIN TOPO, 10566, DUANE SEBENALER, MENTOR, MN., 56736, SAMPLE FROM FLOWING PIPE 50M NORTH OF HOUSE, WELL IS 35M SE OF HOUSE:

604188 TYPE WELL WATER REPLICATE SAMPLER GJG
 PHASE 2 MAP NL 1403 SITE 0081 TIME TAKEN 11/03/08/79
 LOCATION: LAT 47.877 (47 52'37") LONG 96.105 (96 6'18")
 SURFACE GEOL UNIT OPG RESULTS REQ YES , RELEASED 801015

AIR TEMP (C) + 21.5 WEATHER LT WIND-RAINY
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 865 DISSOLVED OXYGEN (PPM) 1.5
 WATER TEMP (C) + 10.2 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 350 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 360
 APPEARANCE CLEAR DISCHARGE (L/M)
 PRODUCING HORIZON OPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 42 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 47 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 51 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 PLUMMER 7.5 MIN. TOPO, 155352, JOE PARADIS, PLUMMER, MN., 56748, SAMPLE FROM HYDRANT 60M NORTH OF HOUSE, WELL IS 18M NORTH OF HOUSE:
 1-78 JOE PARADIS & PLUMMER, MN., 56748:

604189 TYPE WELL WATER REPLICATE SAMPLER GJG
 PHASE 2 MAP NL 1403 SITE 0082 TIME TAKEN 11/03/08/79
 LOCATION: LAT 47.875 (47 52'30") LONG 96.201 (96 12' 3")
 SURFACE GEOL UNIT QTL RESULTS REQ YES , RELEASED 801015

AIR TEMP (C) + 22.0 WEATHER LT WIND-RAINY
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE

SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 765 DISSOLVED OXYGEN (PPM) 2.1
 WATER TEMP (C) + 10.6 VISIBILITY (M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 305 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 318

APPEARANCE CLEAR DISCHARGE(L/M) 473.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 62 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 81 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 PLUMMER NW 7.5 MIN. TOPO, 128444, HARLAN ALMEN, RT. 3, RED LAKE FALLS, MN., 56750, SAMPLE FROM HYDRANT NEXT TO WELL, WELL
 IS 14M SW OF HOUSE;
 1-78 HARLAN ALMEN & RT. 3 & RED LAKE FALLS, MN., 56750;

604190 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 22.5 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0083 TIME TAKEN 12/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.919(47 55' 8") LONG 96.179(96 10' 44") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1350 DISSOLVED OXYGEN(PPM) 1.5
 WATER TEMP(C) + 12.1 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 320 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 315
 APPEARANCE CLEAR DISCHARGE(L/M) 151.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 16 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 37 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 46 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:
 1-38 PLUMMER NW 7.5 MIN. TOPO, 105613, RICHARD KNOTT, RT. 3, RED LAKE FALLS, MN., 56750, SAMPLE FROM KITCHEN SINK OF TRAILER,
 WELL IS 8M SOUTH OF HOUSE;
 1-78 RICHARD KNOTT & RT. 3 & RED LAKE FALLS, MN., 56750;

604191 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 25.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0027 TIME TAKEN 14/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.978(47 58' 40") LONG 96.802(96 48' 7") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:
 TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1380 DISSOLVED OXYGEN(PPM) 3.0
 WATER TEMP(C) + 13.6 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 188 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 190
 APPEARANCE CLEAR DISCHARGE(L/M) 15.00
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:
 TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 18 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 33 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE

WELL DEPTH(M) 34 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 KEY WEST 7.5 MIN. TOPO, CHARLES REESE, BOX 30, RT. 1, EUCLID, MN. 56722, WELL 5M WEST OF HOUSE, HYDRANT IN HOUSE;
1-78 CHARLES REESE & BOX 30, RT. 1 & EUCLID, MN. 56722;

604192 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 25.0 WEATHER CALM-CLEAR
PHASE 2 MAP NL1403 SITE 0028 TIME TAKEN 14/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.938(47 56' 16") LONG 96.783(96 46' 58") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL QDOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 890 DISSOLVED OXYGEN(PPM) 9.9
WATER TEMP(C) + 11.3 VISIBILITY(M) CLEAR PH 7.4 LO-ION PAPER
TOTAL ALKALINITY(PPM) 310 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 310
APPEARANCE CLEAR DISCHARGE(L/M) 94.00
PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 29 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 30 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 KEY WEST 7.5 MIN. TOPO, MARVIN MATHIASON, RT. 3, EAST GRAND FORKS, MN. 56721, WELL AND HYDRANT 25M SW OF HOUSE;
1-78 MARVIN MATHIASON & RT. 3 & EAST GRAND FORKS, MN. 56721;

604193 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 25.0 WEATHER CALM-CLEAR
PHASE 2 MAP NL1403 SITE 0029 TIME TAKEN 15/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.878(47 52' 40") LONG 96.813(96 48' 46") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL QDOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2270 DISSOLVED OXYGEN(PPM) 7.4
WATER TEMP(C) + 8.5 VISIBILITY(M) CLEAR PH 7.1 LO-ION PAPER
TOTAL ALKALINITY(PPM) 426 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 434
APPEARANCE CLEAR DISCHARGE(L/M)
PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION HAND CASING STEEL PIPE COMPOSITION STEEL
METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK NONE USE NONE PUMPING FREQUENCY RARE
DEPTH TO PROD HORIZON(M) 9 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 10 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 KEY WEST 7.5 MIN. TOPO, JOHN QUIRK, RT. 1 FISHER, MN. 56723, WELL AND HYDRANT 100M NORTH OF BARN;
1-78 JOHN QUIRK & RT. 1 & FISHER, MN. 56723;

604194 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 25.0 WEATHER CALM-CLEAR

PHASE 2 MAP NL1403 SITE 0030 TIME TAKEN 15/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.877 (47 52'37") LONG 96.813 (96 48'46") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 4060 DISSOLVED OXYGEN (PPM) 4.1
 WATER TEMP (C) + 12.3 VISIBILITY (M) CLEAR PH 7.6 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 213 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 213
 APPEARANCE CLEAR DISCHARGE (L/M) 11.00
 PRODUCING HORIZON OPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 45 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON (M) 91 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 92 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 KEY WEST 7.5 MIN. TOPO, JOHN QUIRK, RT. 1, FISHER, MN. 56723, WELL 35M EAST OF HOUSE, HYDRANT ON NORTH SIDE OF HOUSE;
 1-78 JOHN QUIRK & RT. 1 & FISHER, MN. 56723;

604195 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 25.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0031 TIME TAKEN 16/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.842 (47 50'31") LONG 96.803 (96 48'10") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 2305 DISSOLVED OXYGEN (PPM) 4.6
 WATER TEMP (C) + 8.1 VISIBILITY (M) CLEAR PH 7.9 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 218 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 213
 APPEARANCE CLEAR DISCHARGE (L/M) 45.00
 PRODUCING HORIZON PCUI CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 97 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH (M) 98 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 FISHER 7.5 MIN. TOPO, ALTON TINKHAM, RT. 1, FISHER, MN. 56723, WELL AND HYDRANT 45M NE OF HOUSE;
 1-78 ALTON TINKHAM & RT. 1 & FISHER, MN. 56723;

604196 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 25.0 WEATHER CALM-CLEAR
 PHASE 2 MAP NL1403 SITE 0032 TIME TAKEN 16/02/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.791 (47 47'27") LONG 96.785 (96 47' 6") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1270 DISSOLVED OXYGEN (PPM) 3.2
 WATER TEMP (C) + 12.6 VISIBILITY (M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY (PPM) 342 P ALKALINITY (PPM) <5 M ALKALINITY (PPM) 358
 APPEARANCE CLEAR DISCHARGE (L/M) 57.00

PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 45 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 46 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 FISHER 7.5 MIN. TOPO, EMIL BEISWINGER, RT. 1, FISHER, MN. 56723, WELL ON SOUTH SIDE OF HOUSE, HYDRANT IN HOUSE;
 1-78 EMIL BEISWINGER & RT. 1 & FISHER, MN. 56723;

604197 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 21.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0033 TIME TAKEN 09/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.834 (47 50' 2") LONG 96.846 (96 50' 45") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1060 DISSOLVED OXYGEN(PPM) 3.5
 WATER TEMP(C) + 12.0 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 370 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 368
 APPEARANCE CLEAR DISCHARGE(L/M)
 PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 38 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 39 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 FISHER 7.5 MIN. TOPO, RICK HILL, BOX 73, RT. 1, FISHER, MN. 56723, WELL 40M NE OF HOUSE, HYDRANT ON SOUTH SIDE OF HOUSE;
 1-78 RICK HILL & BOX 73, RT. 1 & FISHER, MN. 56723;

604199 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 22.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0034 TIME TAKEN 10/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.898 (47 53' 52") LONG 96.847 (96 50' 49") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2440 DISSOLVED OXYGEN(PPM) 5.1
 WATER TEMP(C) + 7.1 VISIBILITY(M) CLEAR PH 7.3 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 440 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 454
 APPEARANCE CLEAR DISCHARGE(L/M)
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION OTHER
 METERS FROM HEAD WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON(M) 8 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 9 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 KEY WEST 7.5 MIN. TOPO, W.F. GRADY, RT. 3, EAST GRAND FORKS, MN, WELL AND HYDRANT 30M EAST OF HOUSE;
 1-78 W.F. GRADY & RT. 3 & EAST GRAND FORKS, MN;
 3-21 NO PIPES, HYDRANT ON PUMP;

604200 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 23.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL1403 SITE 0035 TIME TAKEN 11/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.921(47 55'15") LONG 96.936(96 56' 9") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1300 DISSOLVED OXYGEN (PPH) 7.1
 WATER TEMP (C) + 6.1 VISIBILITY (M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 716 P ALKALINITY (PPH) 75 H ALKALINITY (PPH) 702
 APPEARANCE CLEAR DISCHARGE (L/M)
 PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION HAND CASING STEEL PIPE COMPOSITION STEEL
 METERS FROM HEAD 0 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY INFREQUENT
 DEPTH TO PROD HORIZON (M) 29 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 30 CONFIDENCE OF WELL DEPTH POSSIBLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 MALLORY 7.5 MIN. TOPO, FRED BARRETT, RT. 3, EAST GRAND FORKS, MN, WELL AND HYDRANT 20M WEST OF HOUSE;
 1-78 FRED BARRETT & RT. 3 & EAST GRAND FORKS, MN;

604201 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 24.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0036 TIME TAKEN 12/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.979(47 58'44") LONG 96.921(96 55'15") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY (MICROMHOS/CM) 1595 DISSOLVED OXYGEN (PPH) 3.6
 WATER TEMP (C) + 14.3 VISIBILITY (M) CLEAR PH 7.2 LO-ION PAPER
 TOTAL ALKALINITY (PPH) 494 P ALKALINITY (PPH) 75 H ALKALINITY (PPH) 488
 APPEARANCE CLEAR DISCHARGE (L/M)
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION COPPER
 METERS FROM HEAD 20 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON (M) 6 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH (M) 7 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 MALLORY 7.5 MIN. TOPO, GEORGE KREJCI, RT. 3, EAST GRAND FORKS, MN, WELL 10M NE OF HOUSE, HYDRANT IN HOUSE;
 1-78 GEORGE KREJCI & RT. 3 & EAST GRAND FORKS, MN;

604202 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP (C) + 25.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0037 TIME TAKEN 13/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.898(47 53'52") LONG 96.999(96 59'56") CONTAMINANTS NONE

SURFACE GEOL UNIT QAL RESULTS REQ YES, RELEASED 801015

SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	2680	DISSOLVED OXYGEN (PPM)	4.3
WATER TEMP (C) + 16.5	VISIBILITY (M)	CLEAR	PH 7.4	LO-ION PAPER
TOTAL ALKALINITY (PPM) 630	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	632
APPEARANCE CLEAR	DISCHARGE (L/M)			
PRODUCING HORIZON QAL	CONFIDENCE	HIGH	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING STEEL	PIPE COMPOSITION	COPPER
METERS FROM HEAD 15	WITH RESPECT TO PRESSURE TANK	AFTER	USE STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON (M) 7	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE	
WELL DEPTH (M) 8	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER	

REMARKS:

1-38 HALLORY 7.5 MIN. TOPO, MARGARET DONAHUE, RT. 1, EAST GRAND FORKS, MN, WELL BT WEST OF BARN, HYDRANT IN BARN;
 1-78 MARGARET DONAHUE & RT. 1 & EAST GRAND FORKS, MN;

604203 TYPE WELL WATER REPLICATE SAMPLER GJG
 PHASE 2 MAP NL 1403 SITE 0084 TIME TAKEN 12/03/08/79
 LOCATION: LAT 47.988 (47 59'16") LONG 96.167 (96 10' 1")
 SURFACE GEOL UNIT QPG RESULTS REQ NO, RELEASED 801015

AIR TEMP (C) + 23.0 WEATHER - RAINY
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE
 SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	670	DISSOLVED OXYGEN (PPM)	3.1
WATER TEMP (C) + 15.4	VISIBILITY (M)	CLEAR	PH 8.0	LO-ION PAPER
TOTAL ALKALINITY (PPM) 270	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	260
APPEARANCE CLEAR	DISCHARGE (L/M)			
PRODUCING HORIZON QPG	CONFIDENCE	HIGH	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD 21	WITH RESPECT TO PRESSURE TANK	AFTER	USE HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON (M) 26	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE	
WELL DEPTH (M) 27	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE	

REMARKS:

1-38 PLUMMER NW 7.5 MIN. TOPO, 128434, KENNETH SCHRADER, ST. HILAIRE, MN., 56754, SAMPLE FROM HYDRANT ON SOUTH SIDE OF HOUSE,
 WELL IS 11M SE OF HOUSE;

604204 TYPE WELL WATER REPLICATE SAMPLER GJG
 PHASE 2 MAP NL 1403 SITE 0085 TIME TAKEN 13/03/08/79
 LOCATION: LAT 47.956 (47 57'21") LONG 96.074 (96 4'26")
 SURFACE GEOL UNIT QPG RESULTS REQ YES, RELEASED 801015

AIR TEMP (C) + 24.0 WEATHER - RAINY
 RELIEF LOW VEGETATION GRASS-MODERATE
 CONTAMINANTS NONE
 SAMPLE: COLOR - - -CL - ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE	CONDUCTIVITY (MICROMHOS/CM)	650	DISSOLVED OXYGEN (PPM)	L.Q.
WATER TEMP (C) + 9.7	VISIBILITY (M)	CLEAR	PH 8.0	LO-ION PAPER
TOTAL ALKALINITY (PPM) 315	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	305
APPEARANCE CLEAR	DISCHARGE (L/M)			
PRODUCING HORIZON QPG	CONFIDENCE	HIGH	SOURCE GEOL. INFERENCE	

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	2	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSE/STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	62	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	70	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 PLUMMER 7.5 MIN TOPO, 101731, FLORIAN HESSE, PLUMMER, MN., 56748, SAMPLE FROM HYDRANT ON PUMPHOUSE, WELL IS 30M SE OF HOUSE;
1-78 FLORIAN HESSE & PLUMMER, MN., 56748;

604205	TYPE WELL WATER	REPLICATE	SAMPLER GJG	AIR TEMP(C)	+ 24.5	WEATHER	LT WIND-RAINY
PHASE 2 MAP NL1403 SITE 0086 TIME TAKEN 13/03/08/79				RELIEF	LOW	VEGETATION	GRASS-MODERATE
LOCATION: LAT 47.950 (47 57' 0") LONG 96.018 (96 1' 4")				CONTAMINANTS	NONE	SAMPLE: COLOR - - -CL - ODOR NONE	
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015							

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	715	DISSOLVED OXYGEN(PPM)	1.6
WATER TEMP(C)	+ 21.5	VISIBILITY(M)	CLEAR	PH	8.0 LO-TON PAPER
TOTAL ALKALINITY(PPM)	285	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	290
APPEARANCE	CLEAR	DISCHARGE(L/H)	57.00	SOURCE GEOLOGICAL INFERENCE	
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	14	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	26	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	28	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 PLUMMER 7.5 MIN. TOPO, 105669, RAYMOND CULKINS, PLUMMER, MN., 56748, SAMPLE FROM KITCHEN SINK, WELL IS 6M EAST OF HOUSE;
1-78 RAYMOND CULKINS & PLUMMER, MN., 56748;

604206	TYPE WELL WATER	REPLICATE	SAMPLER GJG	AIR TEMP(C)	+ 25.0	WEATHER	LT WIND-RAINY
PHASE 2 MAP NL1403 SITE 0087 TIME TAKEN 14/03/08/79				RELIEF	LOW	VEGETATION	GRASS-MODERATE
LOCATION: LAT 47.928 (47 55' 40") LONG 96.038 (96 2' 16")				CONTAMINANTS	NONE	SAMPLE: COLOR - - -CL - ODOR NONE	
SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015							

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	785	DISSOLVED OXYGEN(PPM)	4.4
WATER TEMP(C)	+ 19.3	VISIBILITY(M)	CLEAR	PH	8.1 LO-TON PAPER
TOTAL ALKALINITY(PPM)	300	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	300
APPEARANCE	CLEAR	DISCHARGE(L/H)	757.00	SOURCE GEOLOGICAL INFERENCE	
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH		

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	PLASTIC	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	0	WITH RESPECT TO PRESSURE TANK	BEFORE	USE	HOUSEHOLD	PUMPING FREQUENCY	CONSTANT
DEPTH TO PROD HORIZON(M)	75	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOLOGICAL INFERENCE		
WELL DEPTH(M)	77	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOLOGICAL INFERENCE		

REMARKS:

1-38 PLUMMER 7.5 MIN. TOPO, 105619, BERNARD FALLON, PLUMMER, MN., 56748, SAMPLE FROM HYDRANT ON CASING, WELL IS 10M NW OF

HOUSE:
1-78 BERNARD FALLON & PLUMMER, MN., 56748:

604207 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 26.0 WEATHER LT WIND-OVERCST
PHASE 2 MAP NL1403 SITE 0088 TIME TAKEN 14/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.917(47 55' 1") LONG 96.085(96 5' 6") CONTAMINANTS NONE
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 705 DISSOLVED OXYGEN(PPM) 2.5
WATER TEMP(C) + 13.8 VISIBILITY(M) CLEAR PH 8.7 CO-TON PAPER
TOTAL ALKALINITY(PPM) 350 P ALKALINITY(PPM) 45 M ALKALINITY(PPM) 348
APPEARANCE CLEAR DISCHARGE(L/H)
PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 27 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 55 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 57 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 PLUMMER 7.5 MIN. TOPO, 101725, PATRICK WICHTERHANN, PLUMMER, MN., 56748, SAMPLE FROM HYDRANT IN MILKROOM, WELL IS 3M NORTH OF HOUSE:

604208 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 27.0 WEATHER LT WIND-OVERCST
PHASE 2 MAP NL1403 SITE 0089 TIME TAKEN 15/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.890(47 53' 24") LONG 96.016(96 0' 57") CONTAMINANTS NONE
SURFACE GEOL UNIT QPG RESULTS REQ NO ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2140 DISSOLVED OXYGEN(PPM) 2.2
WATER TEMP(C) + 12.6 VISIBILITY(M) CLEAR PH 7.7 CO-TON PAPER
TOTAL ALKALINITY(PPM) 300 P ALKALINITY(PPM) 45 M ALKALINITY(PPM) 302
APPEARANCE CLEAR DISCHARGE(L/H) 83.00
PRODUCING HORIZON QPG CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 26 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSE/STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 38 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 40 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 PLUMMER 7.5 MIN TOPO, 105660, HENRY TUEBT, PLUMMER, MN., 56748, SAMPLE FROM HYDRANT ON WEST SIDE OF HOUSE, WELL IS 19M SOUTH OF HOUSE:

604209 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 28.0 WEATHER LT WIND-OVERCST
PHASE 2 MAP NL1403 SITE 0090 TIME TAKEN 15/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.842(47 50' 31") LONG 96.031(96 1' 51") CONTAMINANTS NONE
SURFACE GEOL UNIT QPG RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	700	DISSOLVED OXYGEN(PPM)	0.1
WATER TEMP(C)	+ 14.0	VISIBILITY(M)	CLEAR	PH 7.8	LO-ION PAPER
TOTAL ALKALINITY(PPM)	315	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	313
APPEARANCE	CLEAR	DISCHARGE(L/M)			
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	27	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	30	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	30	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 BROOKS 7.5 MIN. TOPO, SYLVIA THOMPSON, BROOKS, MN., 56715, SAMPLE FROM HYDRANT ON NORTH SIDE OF HOUSE, WELL IS 11M EAST OF HOUSE;
 1-78 SYLVIA THOMPSON & BROOKS, MN., 56715;

604210 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 28.5 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL 1403 SITE 0091 TIME TAKEN 16/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.804 (47 48' 14") LONG 96.060 (96 3' 36") CONTAMINANTS NONE
 SURFACE GEOL UNIT OTL RESULTS REQ NO. RELEASED 801015 SAMPLE: COLOR - -CL QDOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	870	DISSOLVED OXYGEN(PPM)	2.4
WATER TEMP(C)	+ 20.4	VISIBILITY(M)	CLEAR	PH 7.7	LO-ION PAPER
TOTAL ALKALINITY(PPM)	312	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	315
APPEARANCE	CLEAR	DISCHARGE(L/M)			
PRODUCING HORIZON	OTL	CONFIDENCE	HIGH	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	45	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	44	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	GEOL. INFERENCE		
WELL DEPTH(M)	46	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	GEOL. INFERENCE		

REMARKS:

1-38 BROOKS 7.5 MIN. TOPO, 101724, GILBERT GENEREUX, BROOKS, MN., 56715, SAMPLE FROM HYDRANT ON NORTH SIDE OF HOUSE, WELL IS NORTH OF HOUSE 39M;

604211 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 29.0 WEATHER LT WIND-OVERCAST
 PHASE 2 MAP NL 1403 SITE 0092 TIME TAKEN 17/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.804 (47 48' 14") LONG 96.101 (96 6' 3") CONTAMINANTS NONE
 SURFACE GEOL UNIT OPG RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL QDOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY(MICROMHOS/CM)	810	DISSOLVED OXYGEN(PPM)	1.6
WATER TEMP(C)	+ 15.5	VISIBILITY(M)	CLEAR	PH 8.0	LO-ION PAPER
TOTAL ALKALINITY(PPM)	260	P ALKALINITY(PPM)	<5	M ALKALINITY(PPM)	260
APPEARANCE	CLEAR	DISCHARGE(L/M)			
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	PLASTIC
METERS FROM HEAD	10	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSEHOLD	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	30	CONFIDENCE OF PRODUCING DEPTH	POSSIBLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	30	CONFIDENCE OF WELL DEPTH	POSSIBLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 BROOKS 7.5 MIN TOPO, ARTHUR GAGNER, RT. 1, BROOKS, MN., 56715, SAMPLE FROM KITCHEN SINK, WELL IS 3M WEST OF HOUSE;
 1-78 ARTHUR GAGNER & RT. 1 & BROOKS, MN., 56715;

604212	TYPE WELL WATER	REPLICATE	SAMPLER GJG	AIR TEMP(C)	+ 10.0	WEATHER	-PT CLDY
	PHASE 2	MAP NL 1403	SITE 0093	TIME TAKEN	09/13/08/79	RELIEF	LOW
	LOCATION: LAT	47.762 (47 45'43")	LONG	96.163 (96 9'46")	CONTAMINANTS	NONE	VEGETATION GRASS-MODERATE
	SURFACE GEOL UNIT	OPG	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	750	DISSOLVED OXYGEN (PPM)	2.3
WATER TEMP (C)	+ 14.7	VISIBILITY (M)	CLEAR	PH	7.2 LO-ION PAPER
TOTAL ALKALINITY (PPM)	370	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	370
APPEARANCE	CLEAR	DISCHARGE (L/M)			
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ARTESIAN	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	44	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	49	CONFIDENCE OF PRODUCING DEPTH	PROBABLE	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	50	CONFIDENCE OF WELL DEPTH	PROBABLE	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 TERREBONNE 7.5 MIN TOPO, ROBERT PETERSON, MENTOR, MN., 56736, SAMPLE FROM HYDRANT ON EAST SIDE OF HOUSE, WELL IS 33 M WEST OF HOUSE;
 1-78 ROBERT PETERSON & MENTOR, MN. 56736;

604213	TYPE WELL WATER	REPLICATE	SAMPLER GJG	AIR TEMP(C)	+ 10.0	WEATHER	-PT CLDY
	PHASE 2	MAP NL 1403	SITE 0094	TIME TAKEN	09/13/08/79	RELIEF	LOW
	LOCATION: LAT	47.732 (47 43'55")	LONG	96.082 (96 4'55")	CONTAMINANTS	NONE	VEGETATION GRASS-MODERATE
	SURFACE GEOL UNIT	OPG	RESULTS REQ	YES	RELEASED	801015	SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT	NONE	CONDUCTIVITY (MICROMHOS/CM)	710	DISSOLVED OXYGEN (PPM)	6.3
WATER TEMP (C)	+ 9.4	VISIBILITY (M)	CLEAR	PH	7.7 LO-ION PAPER
TOTAL ALKALINITY (PPM)	258	P ALKALINITY (PPM)	<5	M ALKALINITY (PPM)	258
APPEARANCE	CLEAR	DISCHARGE (L/M)			
PRODUCING HORIZON	OPG	CONFIDENCE	HIGH	SOURCE	GEOL. INFERENCE

WELL INFORMATION:

TYPE	DRILLED	POWER CLASSIFICATION	ELECTRIC	CASING	STEEL	PIPE COMPOSITION	GALVANIZED
METERS FROM HEAD	10	WITH RESPECT TO PRESSURE TANK	AFTER	USE	HOUSE/STOCK	PUMPING FREQUENCY	FREQUENT
DEPTH TO PROD HORIZON(M)	49	CONFIDENCE OF PRODUCING DEPTH	HIGH	SOURCE OF PRODUCING INFORMATION	OWNER		
WELL DEPTH(M)	50	CONFIDENCE OF WELL DEPTH	HIGH	SOURCE OF DEPTH INFORMATION	OWNER		

REMARKS:

1-38 ERSKINE 7.5 MIN TOPO, DON BERG, ERSKINE, MN., 56535, SAMPLE FROM KITCHEN SINK, WELL IS UNDER SOUTH SIDE OF HOUSE;
 1-78 DON BERG & ERSKINE, MN. 56535;

604214 TYPE WELL WATER REPLICATE SAMPLER GJG AIR TEMP(C) + 10.0 WEATHER -PT CLDY
 PHASE 2 MAP NL1403 SITE 0095 TIME TAKEN 10/13/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.736(47 44' 9") LONG 96.036(96 2' 9") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ NO ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 705 DISSOLVED OXYGEN(PPM) 2.4
 WATER TEMP(C) + 12.3 VISIBILITY(M) CLEAR PH 7.7 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 258 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 258
 APPEARANCE CLEAR DISCHARGE(L/M)
 PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION GALVANIZED
 METERS FROM HEAD 7 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 23 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION OWNER
 WELL DEPTH(M) 24 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ERSKINE 7.5 MIN TOPO, ELMER ANDERSON, ERSKINE, MN. 56535, SAMPLE FROM KITCHEN SINK, WELL IS 3M NE OF HOUSE;

604215 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 25.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0038 TIME TAKEN 14/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.807(47 48' 25") LONG 96.960(96 57' 36") CONTAMINANTS NONE
 SURFACE GEOL UNIT QAL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 8240 DISSOLVED OXYGEN(PPM) 3.6
 WATER TEMP(C) + 9.2 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 146 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 140
 APPEARANCE CLEAR DISCHARGE(L/M) 380.00
 PRODUCING HORIZON ORDO CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
 METERS FROM HEAD 25 WITH RESPECT TO PRESSURE TANK AFTER USE STOCK PUMPING FREQUENCY FREQUENT
 DEPTH TO PROD HORIZON(M) 74 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
 WELL DEPTH(M) 78 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 BYGLAND 7.5 MIN. TOPO, 215399, THORVOLD MOE, FISHER, MN. 56723, WELL 35M ESE OF HOUSE, HYDRANT 20M SOUTH OF WELL;
 1-78 THORVOLD MOE & FISHER, MN. 56723;

604216 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 25.0 WEATHER LT WIND-RAINY
 PHASE 2 MAP NL1403 SITE 0039 TIME TAKEN 15/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
 LOCATION: LAT 47.796(47 47' 45") LONG 96.904(96 54' 14") CONTAMINANTS NONE
 SURFACE GEOL UNIT QTL RESULTS REQ YES ,RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 2270 DISSOLVED OXYGEN(PPM) 4.5
 WATER TEMP(C) + 7.1 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
 TOTAL ALKALINITY(PPM) 230 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 234
 APPEARANCE CLEAR DISCHARGE(L/M) 38.00

PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 4 WITH RESPECT TO PRESSURE TANK BEFORE USE STOCK PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 49 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 50 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 BYGLAND 7.5 MIN. TOPO, GUNDER KROSTUE, FISHER, MN. 56723, WELL AND HYDRANT 10M SOUTH OF BARN;
1-78 GUNDER KROSTUE & FISHER, MN. 56723;

604217 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 25.0 WEATHER LT WIND-RAINY
PHASE 2 MAP NL1403 SITE 0040 TIME TAKEN 15/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.796 (47 47' 45") LONG 96.863 (96 51' 46") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 820 DISSOLVED OXYGEN(PPH) 12.7
WATER TEMP(C) + 7.3 VISIBILITY(M) CLEAR PH 7.8 LO-ION PAPER
TOTAL ALKALINITY(PPH) 290 P ALKALINITY(PPH) <5 M ALKALINITY(PPH) 300
APPEARANCE CLEAR DISCHARGE(L/M) 38.00
PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 21 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 22 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 FISHER 7.5 MIN. TOPO, CLIFFORD STALEMO, RT. 1, FISHER, MN. 56723, WELL AND HYDRANT 50M SSE OF HOUSE;
1-78 CLIFFORD STALEMO & RT. 1 & FISHER, MN. 56723;

604218 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 24.0 WEATHER LT WIND-RAINY
PHASE 2 MAP NL1403 SITE 0041 TIME TAKEN 16/03/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.748 (47 44' 52") LONG 96.891 (96 53' 27") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1745 DISSOLVED OXYGEN(PPH) 4.1
WATER TEMP(C) + 7.8 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY(PPH) 314 P ALKALINITY(PPH) <5 M ALKALINITY(PPH) 314
APPEARANCE CLEAR DISCHARGE(L/M) 94.00
PRODUCING HORIZON QTL CONFIDENCE HIGH SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 4 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 34 CONFIDENCE OF PRODUCING DEPTH HIGH SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 48 CONFIDENCE OF WELL DEPTH HIGH SOURCE OF DEPTH INFORMATION GEOL. INFERENCE

REMARKS:

1-38 CLIMAX NW 7.5 MIN. TOPO, 215396, MIKE CONNERAN, RT. 1A, BOX 96, FISHER, MN. 56723, WELL AND HYDRANT 40M NNW OF HOUSE,
1-78 MIKE CONNERAN & BOX 96, RT. 1A & FISHER, MN. 56723:

604219 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 12.0 WEATHER -PT CLDY
PHASE 2 MAP NL1403 SITE 0042 TIME TAKEN 08/13/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.702(47 42' 7") LONG 96.780(96 46' 48") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 1295 DISSOLVED OXYGEN(PPM) 4.4
WATER TEMP(C) + 6.5 VISIBILITY(M) CLEAR PH 7.8 CO-ION PAPER
TOTAL ALKALINITY(PPM) 308 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 316
APPEARANCE CLEAR DISCHARGE(L/M) 56.00
PRODUCING HORIZON QPG CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 2 WITH RESPECT TO PRESSURE TANK BEFORE USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 60 CONFIDENCE OF PRODUCING DEPTH POSSIBLE SOURCE OF PRODUCING INFORMATION GEOL. INFERENCE
WELL DEPTH(M) 61 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 ELDRED 7.5 MIN. TOPO, HAROLD PETERSON, BOX 97, RT. 1, CLIMAX, MN. 56523, WELL 5M WEST OF SW CORNER OF BARN, HYDRANT WITH
WELL:
1-78 HAROLD PETERSON & BOX 97, RT. 1 & CLIMAX, MN. 56523:

604220 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 12.0 WEATHER -PT CLDY
PHASE 2 MAP NL1403 SITE 0043 TIME TAKEN 08/13/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.760(47 45' 36") LONG 96.774(96 46' 26") CONTAMINANTS NONE
SURFACE GEOL UNIT QTL RESULTS REQ YES, RELEASED 801015 SAMPLE: COLOR - -CL ODOR NONE

GENERAL WATER INFORMATION:

TREATMENT NONE CONDUCTIVITY(MICROMHOS/CM) 870 DISSOLVED OXYGEN(PPM) 3.3
WATER TEMP(C) + 8.4 VISIBILITY(M) CLEAR PH 7.5 LO-ION PAPER
TOTAL ALKALINITY(PPM) 246 P ALKALINITY(PPM) <5 M ALKALINITY(PPM) 244
APPEARANCE CLEAR DISCHARGE(L/M)
PRODUCING HORIZON QTL CONFIDENCE PROBABLE SOURCE GEOL. INFERENCE

WELL INFORMATION:

TYPE DRILLED POWER CLASSIFICATION ELECTRIC CASING STEEL PIPE COMPOSITION PLASTIC
METERS FROM HEAD 3 WITH RESPECT TO PRESSURE TANK AFTER USE HOUSEHOLD PUMPING FREQUENCY FREQUENT
DEPTH TO PROD HORIZON(M) 46 CONFIDENCE OF PRODUCING DEPTH PROBABLE SOURCE OF PRODUCING INFORMATION OWNER
WELL DEPTH(M) 48 CONFIDENCE OF WELL DEPTH PROBABLE SOURCE OF DEPTH INFORMATION OWNER

REMARKS:

1-38 FISHER 7.5 MIN. TOPO, MILTON WILLIAMS, BOX 108, RT. 1, FISHER, MN. 56723, WELL AND HYDRANT 15M SE OF HOUSE;
1-78 MILTON WILLIAMS & BOX 108, RT. 1 & FISHER, MN. 56723:

604221 TYPE WELL WATER REPLICATE SAMPLER JJU AIR TEMP(C) + 12.5 WEATHER -PT CLDY
PHASE 2 MAP NL1403 SITE 0044 TIME TAKEN 09/13/08/79 RELIEF LOW VEGETATION GRASS-MODERATE
LOCATION: LAT 47.732(47 43' 55") LONG 96.915(96 54' 54") CONTAMINANTS NONE

LAB WATERS	501514	001	GRAND FORKS Q	055	GRAND FORKS Q	109	GRAND FORKS Q	501854	163	GRAND FORKS Q	217
	501514	002		056	501676	110			164	502006	218
	501514	003	501530	057		111			165	502010	219
	501590	004		058		112			166		220
	501590	005		059	501683	113	501863	167		502015	221
	501590	006		060	501685	114		168			222
	501702	007	501545	061		115	501868	169			223
	501702	008		062	501703	116	501872	170		502022	224
	501702	009	501550	063	501705	117	501876	171			225
	501819	010		064		118	501880	172			226
	501819	011		065	501711	119		173			227
	501819	012		066	501713	120		174		502036	228
	501906	013		067		121	501889	175			229
	501906	014	501561	068		122		176			230
	501906	015		069		123		177			231
	502011	016		070	501722	124	501896	178		502047	232
	502011	017		071		125	501899	179			233
	502011	018	501570	072		126		180		604135	234
	604164	019		073	501729	127		181			235
	604164	020		074	501731	128	501906	182			236
	604164	021		075		129		183			237
	604221	022	501580	076		130		184		604144	238
	604221	023		077		131		185			239
	604221	024		078	501741	132		186			240
	604278	025	501588	079	501743	133	501917	187		604151	241
	604278	026		080		134	501919	188			242
	604278	027		081		135	501923	189			243
	604335	028		082	501753	136	501927	190		604158	244
	604335	029		083	501757	137	501931	191			245
	604335	030	501600	084	501761	138		192			246
	604392	031		085	501765	139		193		604165	247
	604392	032		086	501769	140		194			248
LAB SEDIMENT	604392	033	501607	087		141		195			249
	501501	034	501610	088		142		196		604172	250
	501501	035		089		143		197			251
	501501	036		090	501804	144	501952	198			252
	501645	037	501617	091		145	501954	199		604180	253
	501645	038		092		146		200			254
	501645	039	501622	093		147	501960	201			255
	501806	040		094	501814	148	501962	202			256
	501806	041		095	501817	149		203			257
	501806	042		096		150		204			258
	501942	043	501637	097	501822	151		205			259
	501942	044		098		152	501972	206			260
	501942	045		099		153	501974	207		604200	261
		046	501646	100	501832	154		208			262
GRAND FORKS Q	501501	047	501648	101		155	501979	209			263
	501505	048	501651	102	501838	156	501981	210		604207	264
		049	501655	103		157		211			265
		050		104		158	501986	212			266
		051		105	501845	159	501991	213		604214	267
		052		106	501847	160	501993	214			268
	501520	053	501668	107		161	501996	215		604219	269
	501523	054		108		162		216			