Magnetic Survey of D-Area Oil Basin Waste Unit

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Magnetic Survey of D-Area Oil Basin Waste Unit

INTRODUCTION AND SCOPE

The D-Area Oil Basin RCRA Waste Unit is located north of D-Area on Savannah River Site (Fig. 1). This Waste Unit was known, based on aerial photography (Fig. 2) and other historical data, to be the location for one or more trenches used for disposal of oil in steel drums and other refuse. In order to define the location of possible trenches on the site and to assess the possibility of the presence of additional buried objects a magnetic survey was conducted by the Environmental Monitoring Section/Groundwater Group during July, 1993, at the request of the Environmental Restoration Department. Prior to the conduct of the magnetic survey a Ground Penetrating Radar survey of the site consisting of several lines identified several areas of disturbed soil. Based on these data and other historical information the general orientation of the trenches could be inferred. The magnetic survey consists of a rectangular grid over the waste unit designed to maximize resolution of the trench edges. This report describes the magnetic survey of the D-Area Oil Basin Waste Unit.

Magnetic Survey Concepts

The magnitude of the magnetic field measured near the earth's surface is influenced by several factors. The main contribution to the total intensity is due to the internal magnetic field of the earth produced in the vicinity of the earth's core. However, this field is modified by the solar wind of charged particles produced by electromagnetic activity on the sun. This solar wind distorts the magnetic field produced by the earth into a tear drop shape with the blunt end pointing toward the sun. More importantly, the effect of the solar wind is to produce time variations in the total field. The earth's rotation, in effect, introduces a diurnal variation with a twenty four hour period. Also, superimposed on this well defined twenty four hour cycle are variations with no well defined period produced by

the chaotic nature of the sun's electromagnetic activity. Typically these variations manifest themselves as micropulsations on the order of less than 10 nT, but significantly larger variations can be produced by magnetic storms on the sun (i.e. sunspots). The net result of these variations is illustrated in figure 3.

The earth's magnetic field is also modified by features near the surface that produce localized spatial variations, or anomalies, in the field intensity. The use of magnetic techniques in searching for buried metallic objects is a consequence of the ability of iron and iron alloys to cause relatively large amplitude anomalies. These anomalies are produced by two effects. Some materials have properties that allow them to become magnetized in the presence of an external magnetic field. This process is called induction. The external magnetic field is the inducing field and the field produced by the material is the induced field. The total field ($\vec{B}$) now becomes the sum of the inducing external field ($\vec{H}$) and the field produced by the material ($\vec{H}'$). This relationship can be expressed:

$$\vec{B} = \vec{H} + \vec{H}'$$

In addition some materials possess a magnetic field independent from any external source. This field is typically acquired at some time in the past history of the material and is called remnant magnetization. For most magnetic survey applications the magnitude of the induced field is assumed to be much greater than the remnant magnetization and this assumption has been shown to be valid in the specific case of standard 55 gallon metal drums (Gilkeson and others, 1992).

In reality magnetic fields are always manifested as dipoles. That is north and south magnetic poles occur in pairs to produce dipole fields. A field line representation of a dipole and monopole field are illustrated in figure 4. In this type of representation the density of the field lines is proportional to the field magnitude. To a first approximation, the magnetic field produced near the core of the earth can be considered a single dipole

D-Area Oil Basin Magnetic Survey

with the magnetic field lines impinging the surface of the earth at 90 degrees at the north and south magnetic poles and parallel to the surface of the earth at the magnetic equators.

The geometric relationship of the magnetic field lines to the geographic poles is expressed by magnetic inclination and declination. Declination describes the angular relationship of the component of the field line parallel to the surface of the earth, to geographic north. The magnetic inclination expresses the angular relationship between the magnetic field lines and the horizontal (Fig. 5). Although, these angular relationships change slowly due to poorly understood long term variations, the declination in the vicinity of SRS is about 4 degrees to the west and the inclination about 65 degrees.

Although inducing bodies usually possess highly irregular shapes and sizes they can be usefully modeled as dipoles or arrays of dipoles. In some instances, if the area of consideration is near one end of a dipole relative to the dipole separation, the local field can be considered to be produced by a single pole and approximates monopole behavior. The anomalous fields produced by a dipole and monopole for a magnetic inclination of 60 degrees in the northern hemisphere (i.e. conditions very similar to SRS) and their resultant effect on the total magnetic field measured near the body are illustrated in figure 4. Notice that the anomalous field lines on the north side of the dipole are opposite in sense to the ambient field therefore reducing the field strength in this location. In contrast the anomalous field lines on the south side are in the same sense resulting in an increased field strength. The monopole exhibits similar behavior although not as extreme. This phenomena is the explanation for the asymmetrical shaped magnetic highs and lows produced by inducing bodies at mid-latitudes on the earth. Figure 6 illustrates typical magnetic profiles that would be observed at the latitude of SRS over monopoles and dipoles in addition to a generalized contour representation of a dipole, with illustrative profiles across the contours.

Generalized magnetic field intensity profiles across more complicated shapes for an inclination of 60 degrees are illustrated in figure 7. These profiles all exhibit the typical

D-Area Oil Basin Magnetic Survey

asymmetrical signatures along the north - south profiles with magnetic highs occurring over southern portions of the bodies.

The previous discussion has been presented in the context of the intensity of the total magnetic field. However, another measurement which can be very useful in interpreting magnetic anomalies is the vertical magnetic gradient, which changes much more rapidly with distance than the total field. This effect results in edge enhancement of anomalies and more effective anomaly separation (Fig. 8). The vertical magnetic gradient can be determined by making measurements of the total magnetic intensity at two known elevations. The vertical gradient is then determined by the difference between the two measurements divided by their separation. The two measurements can be made by a single sensor instrument by moving the sensor between the two measurements or by an instrument with two separated sensors.

In order to conduct a magnetic survey magnetic data are collected at discrete intervals either along a traverse or over a 2 dimensional grid. In practice, data for 2-D grids are usually collected as multiple traverses. Traverse data can be conveniently displayed as magnetic intensity profiles. 2-D gridded data are usually contoured and displayed as contour diagrams. Displayed in this fashion these data can be qualitatively interpreted by comparing them with profiles or contours that would be predicted from bodies of known shape and size as presented earlier.

In addition to qualitative information, profiles and contour diagrams may also be used for quantitative analysis if the magnetic response of specific objects is known. Due to their widespread use in the past as containers for industrial materials 55 gallon steel drums are common targets associated with characterization of waste sites. Gilkeson and others (1992) have evaluated the magnetic response from single and multiple drums buried at different depths. The magnetic response is provided by a model calibrated from actual measurements on a 55 gallon drum. These anomalies were calculated for a total field intensity of 53220 nT and inclination of 70 degrees. Conditions very similar to SRS.

D-Area Oil Basin Magnetic Survey

Figure 9 illustrates model total field and vertical gradient profiles over a single drum, in vertical position, with the drum top at different depths below the sensor. If single, deeply buried drums are the target, these profiles make clear the need to locate the sensor near the ground surface in order to minimize the distance between the sensor and drum. For sensor - drum distances greater than about 20 ft the anomaly amplitude has decreased to values that may not be discernible from noise.

Figure 10 illustrates the contour representation of an anomaly for a single drum with its top located 10 ft below the sensor. Also shown in figure 10 are the station locations of a typical 5 ft by 5 ft grid over the anomaly. Note that a misfortunate placement of a 20 ft by 20 ft grid may fail to detect the anomaly at all and that a badly placed 10 ft by 10 ft grid would only reveal a maximum amplitude on the order of 25 nT which may also not be discernible from noise and at best would offer poor resolution concerning the drum location.

Figure 11 illustrates the contour representation of a total field magnetic anomaly for a cache of 5 drums located in a 12 ft by 12 ft area with the drum tops 10 ft below the sensor. Note again the a 20 ft by 20 ft grid may fail to detect the anomaly. A 10 ft by 10 ft grid would crudely resolve the anomaly. However, Gilkeson and other's (1992) modeling demonstrated that at a depth of 10 ft if the center drum were removed the drums on the corners would be resolved into individual anomalies. If this type of information is required from the magnetic survey then 5 ft grid node separations would be needed to fully resolve the individual anomalies associated with each drum.

In addition to the above considerations other factors enter into the design of an effective magnetic survey. Although smaller grid spacings allow better resolution of anomalies they are also labor intensive. Placing the sensor near the ground makes it much more sensitive to small, shallow sources such as metallic trash or magnetite variations in the soil. This is especially a problem for gradiometer surveys because these effects are amplified. In addition gradiometers are most effective when the sensor separation is 1/5 or

D-Area Oil Basin Magnetic Survey

less the distance to the target. If the sensors are placed near the ground this condition may not be met for shallow targets. A careful consideration of what information is needed from the magnetic survey and the resources available will determine which of the aspects discussed above are most important.

Description of Survey Site

A planimetric map of D-Area Oil Basin Waste Unit is presented in Figure 12a along with the planimetric information overlain onto the aerial photograph in Figure 12b. The reference for this map is the Planimetric Map of "D" Area Oil Seepage Basin prepared by Cranston, Robertson and Whitehurst, P.C., 1988. A dirt road runs southwest-northeast along the northwest side of the Waste Unit boundary. Groundwater monitoring wells (DOB1 - 4) occur adjacent to the waste unit boundaries. The boundaries of the waste site are delimited by four orange spherical markers at the corners, in addition to a metal fence which surrounds the site. In some areas only the metal fence posts remain. The most prominent objects at the Waste Site are a double row of wooden posts that mark the position of a berm. These wooden posts supposedly delimit the location of a burial trench. Also located on the waste site are several small concrete pads which occur parallel to and near the northwest site boundary. In addition to these objects, a metal wheel borrow was located at the southern corner of the waste site.

Previous to the magnetic survey several borings were made on the waste site for soil sampling. The locations of these borings are shown on Figures 12a and 12b and the grid coordinates for each boring along with findings are listed in Table I.. Most of these borings encountered no metal objects. However, two of the borings (DOSB-03A and DOSB-1A) encountered metal wire and boring DOSB-03B penetrated a metal drum at 5 - 7 ft. depth. Also, previous to the magnetic survey a ground penetrating radar survey was conducted at the waste unit (Sexton and Perkle, 1992). This survey identified several areas

D-Area Oil Basin Magnetic Survey

of disturbed soil. The ground penetrating radar survey lines are shown in figure 13 for reference.

TABLE I. Soil Borings at D - Area Oil Basin

Soil Boring	X	Y	Findings
DOSB-03A	81.52	38.48	Metal & Wire
DOSB-03B	75.60	40.63	Drum @ 5-7 ft down
DOSB-03	69.61	39.78	nothing
DOSB-02A	49.04	38.11	Clean White Sand
DOSB-02	43.35	38.69	nothing
DOSB-01	15.82	38.85	nothing
DOSB-01A by DOB4	5.64	39.57	Asphalt, metal wire

MAGNETIC SURVEY

Survey and Analytical Techniques

The grid established for the magnetic survey of D Area Oil Basin (fig. 14) was defined by 1 meter station intervals along lines spaced 3 meters apart to produce a rectangular grid node pattern. The grid was established to give coverage to the majority of the area enclosed by the fence and orange waste unit marker balls. Dense vegetation at each end of the waste unit either precluded coverage or forced the grid pattern to be altered to a 2 x 2 meter square. The survey lines were oriented perpendicular to the suspected trenches in order to maximize the resolution of the trench edges. The grid station locations were established with a transit to mark 90 degree angles and a cord marked at 1 meter intervals to determine distances.

Magnetic data were collected with an EG&G Geometrics G-856 Gradiometer with the top sensor at 1.22 meters (4 ft) from ground level and the bottom sensor 0.61 meters (2 ft) from ground level. This configuration places the sensors near the ground to maximize the sensitivity to small near surface or deeply buried objects. This will not optimize the gradiometer function due to the short distance between the sensors and any possible large anomaly sources present in the suspected trench. However, the near surface

sensitivity was deemed more important in order to detect all buried objects that may be present. This instrument has a nominal accuracy of 0.1 nT. However, high magnetic gradients (> 600 nT/m) will cause the signal to be sharply degraded. In most cases this will cause the accuracy to deteriorate to 1 nT. More severe degradation can result in significant accuracy losses resulting in poor data very near large metallic objects. As a QA/QC check and in order to account for diurnal variation a single station was occupied several times during the survey.

The data were downloaded from the magnetometer through a RS-232 port to an IBM PC Model 80. After downloading, the data were assigned coordinates and diurnally corrected with MAGLOC, software provided by EG&G. Further data display and processing, including gridding and contouring were accomplished with software provided by GEOSOFT Inc. Gridding of the data was accomplished with RANGRID, which fits a minimal curvature surface to the gridded data. Nonlinear filtering to remove data spikes caused by poor signal quality was accomplished with XYZFILT. Magnetic gradients were calculated by subtracting the top sensor reading from the bottom sensor and dividing by their separation. Since the top and bottom sensor readings are taken at a relatively short time scale (approximately 3 seconds) relative to diurnal variations the gradient is calculated from the data before diurnal correction. The data for the survey along with daily diurnal variations are tabulated in the Appendix.

Magnetic Data Set

Several anomalies are present in the magnetic data (Figs. 15-17). The most prominent magnetic anomalies occur as linear dipoles defined by parallel magnetic highs and lows trending across the waste unit in the approximate locations of the linear features seen in the aerial photographs (Fig. 18). The linear anomaly aligned approximately along the 60 meter y coordinate is the largest in amplitude and displays a remarkable amount of lateral continuity, consisting of three discrete but continuous features. In contrast the

linear anomaly that occurs aligned approximately along the 40 - 50 meter y coordinate in the location defined by the trench marker posts displays limited lateral continuity and appears to be composed of aligned but isolated small dipole anomalies.

In addition to the prominent linear anomalies discussed above, isolated dipoles occur approximately centered at grid coordinates (42,15), (67,26), and (83,26). These anomalies occur in both the top and bottom sensor data sets and are therefore significant. Other minor anomalies occur in the data set including magnetic lows and isolated dipoles around the perimeter of the waste unit.

DISCUSSION

The two linear anomalies discussed above appear to mark the locations of trenches in which iron bearing objects were buried. The outlines of the inferred trench boundaries, based on the vertical gradient data are illustrated in Figure 19. The southern most trench anomaly exhibits a high degree of lateral continuity consistent with this trench containing a large number of small but continuously distributed metal objects or a few single long metal objects. The northern most trench does not exhibit this continuity and appears to contain localized anomaly sources due to isolated metal objects or small collections of objects in the trench. This is consistent with the data obtained from the soil borings which sampled metal material in some locations and not in others. The locations of these isolated anomalies are also illustrated in figure 19.

In addition to the anomalies associated with the two trenches significant isolated anomaly sources occur throughout the waste unit area. Some of these anomalies can be attributed to the presence of monitoring wells, the fence, or the concrete pads that contain steel reinforcement bars. However, other significant isolated anomalies (fig. 19) occur that can not be attributed to the presence of metal objects on the surface and probably represent buried metallic material. In particular, the isolated dipoles that occur approximately centered on grid coordinates (42,15), (67,26), and (83,26).

CONCLUSIONS

The magnetic survey of the D-Area Oil Basin identified linear magnetic anomalies associated with trenches in which metallic material is buried. The southern trench exhibits lateral continuity indicating that it is either filled continuously with metallic objects or that it contains one or more long metallic objects. The northern trench exhibits isolated anomaly sources indicating that the distribution of metallic material is not continuous. This observation would be consistent with the occurrence of single steel drums or isolated collections of a few drums.

In addition to the trenches, the waste site also exhibits isolated anomalies at other locations that probably represent buried metal objects in these locations. These anomalies are consistent with single or a few steel drums in these locations.

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APPENDIX: D-AREA OIL BASIN MAGNETIC SURVEY DATA

D-Area Oil Basin Diurnal Variation

DAY 190 Diurnal Variation

BOTTOM				TOP			
DAY	TIME	STA.	FIELD(nT)	DAY	TIME	STA.	FIELD (nT)
190	9:48:34	0	51691.6	190	9:48:37	1	51694.4
190	10:23:56	258	51683.8	190	10:23:59	259	51685.2
190	11:04:16	556	51669.8	190	11:04:19	557	51672.4
190	11:48:11	854	51664.4	190	11:48:15	855	51665.8
190	13:52:45	1138	51679.2	190	13:52:48	1139	51677.6
190	14:50:37	1436	51699.2	190	14:50:41	1437	51698.6
190	15:32:55	1576	51712	190	15:32:58	1577	51710.8

DAY 190 DIURNAL VARIATION

DAY 195 Diurnal Variation

BOTTOM				TOP			
DAY	TIME	STA.	FIELD (nT)	DAY	TIME	STA.	FIELD (nT)
195	9:33:41	1578	51699.2	195	9:33:44	1579	51703.0
195	9:55:56	1718	51693.8	195	9:55:59	1719	51697.2
195	10:38:03	1988	51689.8	195	10:38:06	1989	51692.8
195	11:24:40	2300	51688.0	195	11:24:44	2301	51691.2
195	13:31:55	2610	51679.6	195	13:31:58	2611	51677.6
195	14:23:48	2926	51682.0	195	14:23:51	2927	51683.2
195	15:28:04	3226	51699.2	195	15:28:07	3227	51701.6
195	16:19:53	3530	51706.6	195	16:19:57	3531	51709.6

D-Area Oil Basin Magnetic Survey

DAY 195 DIURNAL VARIATION

DAY 196 Diurnal Variation
BOTTOM

DAY	TIME	STA.	FIELD (nT)
196	9:02:38	0	51713.0
196	9:49:15	318	51703.6
196	10:32:49	636	51698.6
196	13:06:45	942	51678.8
196	13:52:12	1248	51682.6
196	15:22:10	1540	51694.0
196	16:03:21	1840	51693.2

TOP

DAY	TIME	STA.	FIELD (nT)
196	9:02:42	1	51713.2
196	9:49:18	319	51705.2
196	10:32:53	637	51695.8
196	13:06:48	943	51680.6
196	13:52:15	1249	51686.0
196	15:22:13	1541	51695.4
196	16:03:24	1841	51690.4

DAY 196 DIURNAL VARIATION

DAY 203 Diurnal Variation
BOTTOM

DAY	TIME	STA.	FIELD (nT)
203	12:22:26	0	51678.5
203	12:38:52	32	51678.6
203	12:46:51	72	51678.8
203	12:54:38	106	51678.6
203	13:15:23	122	51678.0

TOP

DAY	TIME	STA.	FIELD (nT)
203	12:22:29	1	51678.0
203	12:38:55	33	51675.8
203	12:46:54	73	51677.0
203	12:54:42	107	51675.4
203	13:15:26	123	51675.8

D-Area Oil Basin Magnetic Survey

203	13:28:39	190	51677.6
203	13:41:53	244	51677.8
203	14:12:56	352	51681.6

203	13:28:43	191	51674.2
203	13:41:56	245	51674.4
203	14:12:59	353	51678.2

Day 203 Diurnal Variation

Bottom Sensor

D-Area Oil Basin Magnetic Survey

D-area Oil Basin Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			VERTICAL
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	GRAD. (nT/m)
1	190	94920	2	0	0	51505.8	51503.2	2.6	51330.8	51331.0	-0.2	-286.9
1	190	94936	4	0	1	51554.6	51552.1	2.5	51472.8	51473.0	-0.2	-134.1
1	190	94949	6	0	2	51612.2	51609.7	2.5	51575.0	51575.3	-0.3	-61.0
1	190	95000	8	0	3	51645.6	51643.2	2.4	51622.2	51622.5	-0.3	-38.4
1	190	95016	10	0	4	51667.0	51664.6	2.4	51656.0	51656.4	-0.4	-18.0
1	190	95030	12	0	5	51677.6	51675.3	2.3	51665.8	51666.2	-0.4	-19.3
1	190	95043	14	0	6	51684.8	51682.5	2.3	51671.6	51672.1	-0.5	-21.6
1	190	95058	16	0	7	51689.2	51687	2.2	51674.8	51675.3	-0.5	-23.6
1	190	95112	18	0	8	51696.2	51694.1	2.1	51686.2	51686.8	-0.6	-16.4
1	190	95126	20	0	9	51702.8	51700.7	2.1	51695.0	51695.6	-0.6	-12.8
1	190	95141	22	0	10	51706.4	51704.4	2.0	51698.2	51698.9	-0.7	-13.4
1	190	95158	24	0	11	51710.0	51708.1	1.9	51706.4	51707.1	-0.7	-5.9
1	190	95212	26	0	12	51712.4	51710.5	1.9	51707.4	51708.2	-0.8	-8.2
1	190	95225	28	0	13	51713.4	51711.6	1.8	51709.0	51709.8	-0.8	-7.2
1	190	95238	30	0	14	51715.4	51713.6	1.8	51711.0	51711.9	-0.9	-7.2
1	190	95252	32	0	15	51716.8	51715.1	1.7	51712.0	51712.9	-0.9	-7.9
1	190	95306	34	0	16	51717.2	51715.6	1.6	51710.4	51711.4	-1.0	-11.1
1	190	95319	36	0	17	51718.8	51717.2	1.6	51715.2	51716.2	-1.0	-5.9
1	190	95332	38	0	18	51719.4	51717.9	1.5	51715.8	51716.9	-1.1	-5.9
1	190	95344	40	0	19	51721.2	51719.7	1.5	51719.2	51720.3	-1.1	-3.3
1	190	95359	42	0	20	51722.0	51720.6	1.4	51719.6	51720.8	-1.2	-3.9
1	190	95412	44	0	21	51722.6	51721.3	1.3	51720.6	51721.8	-1.2	-3.3
1	190	95425	46	0	22	51723.4	51722.1	1.3	51721.8	51723.1	-1.3	-2.6
1	190	95438	48	0	23	51724.6	51723.4	1.2	51721.6	51722.9	-1.3	-4.9
1	190	95454	50	0	24	51725.2	51724	1.2	51722.0	51723.4	-1.4	-5.2
1	190	95522	52	0	25	51726.6	51725.6	1.0	51724.6	51726.1	-1.5	-3.3
1	190	95535	54	0	26	51727.6	51726.6	1.0	51726.2	51727.7	-1.5	-2.3
1	190	95547	56	0	27	51729.8	51728.9	0.9	51728.2	51729.8	-1.6	-2.6
1	190	95559	58	0	28	51729.8	51728.9	0.9	51729.8	51731.4	-1.6	0.0
1	190	95611	60	0	29	51730.6	51729.8	0.8	51731.2	51732.9	-1.7	1.0
1	190	95624	62	0	30	51731.8	51731	0.8	51733.8	51735.5	-1.7	3.3
1	190	95647	64	0	31	51732.4	51731.7	0.7	51735.8	51737.6	-1.8	5.6
1	190	95701	66	0	32	51732.4	51731.8	0.6	51738.0	51739.8	-1.8	9.2
1	190	95721	68	0	33	51737.4	51736.9	0.5	51735.8	51737.7	-1.9	-2.6
1	190	95826	70	0	34	51733.8	51733.6	0.2	51737.6	51739.8	-2.2	6.2
1	190	95845	72	0	35	51729.6	51729.4	0.2	51739.6	51741.8	-2.2	16.4
1	190	95903	74	0	36	51725.0	51724.9	0.1	51736.0	51738.3	-2.3	18.0
1	190	95915	76	0	37	51715.6	51715.6	0.0	51729.8	51732.1	-2.3	23.3
1	190	95928	78	0	38	51705.4	51705.4	0.0	51721.4	51723.8	-2.4	26.2
1	190	95940	80	0	39	51692.4	51692.5	-0.1	51709.8	51712.2	-2.4	28.5
1	190	95952	82	0	40	51677.2	51677.3	-0.1	51696.4	51698.9	-2.5	31.5
1	190	100005	84	0	41	51662.0	51662.2	-0.2	51684.0	51686.5	-2.5	36.1
1	190	100020	86	0	42	51650.6	51650.8	-0.2	51667.4	51670.0	-2.6	27.5
1	190	100033	88	0	43	51641.0	51641.3	-0.3	51656.0	51658.6	-2.6	24.6
1	190	100046	90	0	44	51634.2	51634.6	-0.4	51639.0	51641.7	-2.7	7.9
1	190	100100	92	0	45	51633.2	51633.6	-0.4	51639.2	51641.9	-2.7	9.8
1	190	100111	94	0	46	51633.6	51634.1	-0.5	51637.2	51640.0	-2.8	5.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
1	190	100124	96	0	47	51634.2	51634.7	-0.5	51636.2	51639.0	-2.8	3.3
1	190	100137	98	0	48	51636.6	51637.2	-0.6	51637.0	51639.9	-2.9	0.7
1	190	100150	100	0	49	51638.4	51639	-0.6	51638.6	51641.5	-2.9	0.3
1	190	100202	102	0	50	51640.8	51641.5	-0.7	51640.8	51643.8	-3.0	0.0
1	190	100214	104	0	51	51644.8	51645.5	-0.7	51642.8	51645.8	-3.0	-3.3
1	190	100226	106	0	52	51647.4	51648.2	-0.8	51645.0	51648.0	-3.0	-3.9
1	190	100238	108	0	53	51651.2	51652	-0.8	51647.4	51650.5	-3.1	-6.2
1	190	100250	110	0	54	51653.2	51654.1	-0.9	51650.0	51653.1	-3.1	-5.2
1	190	100302	112	0	55	51656.2	51657.2	-1.0	51651.8	51655.0	-3.2	-7.2
1	190	100315	114	0	56	51659.0	51660	-1.0	51655.0	51658.2	-3.2	-6.6
1	190	100334	116	0	57	51663.0	51664.1	-1.1	51657.4	51660.7	-3.3	-9.2
1	190	100346	118	0	58	51664.8	51665.9	-1.1	51660.0	51663.3	-3.3	-7.9
1	190	100359	120	0	59	51665.4	51666.6	-1.2	51662.4	51665.8	-3.4	-4.9
1	190	100412	122	0	60	51666.4	51667.7	-1.3	51660.8	51664.2	-3.4	-9.2
1	190	100428	124	0	61	51665.4	51666.7	-1.3	51658.8	51662.3	-3.5	-10.8
1	190	100517	126	0	62	51661.6	51663.1	-1.5	51656.6	51660.3	-3.7	-8.2
1	190	100532	128	0	63	51654.2	51655.8	-1.6	51647.4	51651.1	-3.7	-11.1
2	190	100842	130	3	63	51663.6	51666	-2.4	51662.0	51666.4	-4.4	-2.6
2	190	100858	132	3	62	51666.2	51668.7	-2.5	51665.6	51670.1	-4.5	-1.0
2	190	100911	134	3	61	51664.8	51667.4	-2.6	51665.6	51670.1	-4.5	1.3
2	190	100947	136	3	60	51664.2	51666.9	-2.7	51663.4	51668.1	-4.7	-1.3
2	190	101001	138	3	59	51660.8	51663.6	-2.8	51659.4	51664.1	-4.7	-2.3
2	190	101022	140	3	58	51655.0	51657.9	-2.9	51655.2	51660.0	-4.8	0.3
2	190	101036	142	3	57	51649.2	51652.1	-2.9	51646.6	51651.4	-4.8	-4.3
2	190	101049	144	3	56	51640.8	51643.8	-3.0	51638.4	51643.3	-4.9	-3.9
2	190	101104	146	3	55	51631.2	51634.2	-3.0	51627.8	51632.8	-5.0	-5.6
2	190	101118	148	3	54	51622.8	51625.9	-3.1	51620.0	51625.0	-5.0	-4.6
2	190	101142	150	3	53	51615.2	51618.4	-3.2	51613.2	51618.3	-5.1	-3.3
2	190	101156	152	3	52	51606.2	51609.5	-3.3	51601.4	51606.5	-5.1	-7.9
2	190	101208	154	3	51	51596.6	51599.9	-3.3	51592.6	51597.8	-5.2	-6.6
2	190	101220	156	3	50	51588.8	51592.2	-3.4	51589.6	51594.8	-5.2	1.3
2	190	101232	158	3	49	51578.6	51582	-3.4	51582.2	51587.5	-5.3	5.9
2	190	101244	160	3	48	51566.8	51570.3	-3.5	51571.8	51577.1	-5.3	8.2
2	190	101258	162	3	47	51550.2	51553.7	-3.5	51560.4	51565.8	-5.4	16.7
2	190	101311	164	3	46	51534.8	51538.4	-3.6	51547.8	51553.2	-5.4	21.3
2	190	101324	166	3	45	51512.8	51516.4	-3.6	51535.8	51541.3	-5.5	37.7
2	190	101337	168	3	44	51493.2	51496.9	-3.7	51545.6	51551.1	-5.5	85.9
2	190	101353	170	3	43	51476.4	51480.2	-3.8	51496.6	51502.2	-5.6	33.1
2	190	101406	172	3	42	51486.0	51489.8	-3.8	51535.4	51541.0	-5.6	81.0
2	190	101419	174	3	41	51518.0	51521.9	-3.9	51576.6	51582.3	-5.7	96.1
2	190	101433	176	3	40	51565.0	51568.9	-3.9	51632.4	51638.1	-5.7	110.5
2	190	101446	178	3	39	51615.8	51619.8	-4.0	51689.6	51695.4	-5.8	121.0
2	190	101458	180	3	38	51665.4	51669.5	-4.1	51735.6	51741.4	-5.8	115.1
2	190	101511	182	3	37	51699.6	51703.7	-4.1	51759.6	51765.5	-5.9	98.4
2	190	101523	184	3	36	51722.4	51726.6	-4.2	51771.6	51777.5	-5.9	80.7
2	190	101536	186	3	35	51734.0	51738.2	-4.2	51769.0	51775.0	-6.0	57.4
2	190	101549	188	3	34	51738.4	51742.7	-4.3	51766.0	51772.0	-6.0	45.2
2	190	101605	190	3	33	51740.4	51744.7	-4.3	51763.6	51769.7	-6.1	38.0
2	190	101619	192	3	32	51739.0	51743.4	-4.4	51756.6	51762.7	-6.1	28.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
2	190	101632	194	3	31	51737.0	51741.5	-4.5	51750.8	51757.0	-6.2	22.6
2	190	101643	196	3	30	51734.4	51738.9	-4.5	51746.0	51752.2	-6.2	19.0
2	190	101655	198	3	29	51732.4	51737	-4.6	51741.4	51747.6	-6.2	14.8
2	190	101706	200	3	28	51731.2	51735.8	-4.6	51738.6	51744.9	-6.3	12.1
2	190	101718	202	3	27	51729.6	51734.3	-4.7	51736.8	51743.1	-6.3	11.8
2	190	101731	204	3	26	51728.2	51732.9	-4.7	51734.2	51740.6	-6.4	9.8
2	190	101742	206	3	25	51726.2	51731	-4.8	51733.0	51739.4	-6.4	11.1
2	190	101754	208	3	24	51725.2	51730	-4.8	51731.0	51737.5	-6.5	9.5
2	190	101807	210	3	23	51724.6	51729.5	-4.9	51728.8	51735.3	-6.5	6.9
2	190	101820	212	3	22	51723.8	51728.7	-4.9	51727.0	51733.6	-6.6	5.2
2	190	101832	214	3	21	51722.8	51727.8	-5.0	51725.6	51732.2	-6.6	4.6
2	190	101845	216	3	20	51721.0	51726	-5.0	51724.8	51731.4	-6.6	6.2
2	190	101900	218	3	19	51719.4	51724.5	-5.1	51724.6	51731.3	-6.7	8.5
2	190	101919	220	3	18	51719.2	51724.4	-5.2	51725.4	51732.2	-6.8	10.2
2	190	101931	222	3	17	51720.6	51725.8	-5.2	51727.6	51734.4	-6.8	11.5
2	190	101944	224	3	16	51719.2	51724.5	-5.3	51725.8	51732.7	-6.9	10.8
2	190	101957	226	3	15	51714.4	51719.8	-5.4	51715.0	51721.9	-6.9	1.0
2	190	102009	228	3	14	51711.6	51717	-5.4	51711.0	51718.0	-7.0	-1.0
2	190	102028	230	3	13	51708.6	51714.1	-5.5	51712.6	51719.6	-7.0	6.6
2	190	102040	232	3	12	51708.6	51714.1	-5.5	51709.8	51716.9	-7.1	2.0
2	190	102053	234	3	11	51706.6	51712.2	-5.6	51706.8	51713.9	-7.1	0.3
2	190	102104	236	3	10	51704.4	51710	-5.6	51703.8	51711.0	-7.2	-1.0
2	190	102116	238	3	9	51701.0	51706.7	-5.7	51699.4	51706.6	-7.2	-2.6
2	190	102128	240	3	8	51695.4	51701.1	-5.7	51694.6	51701.8	-7.2	-1.3
2	190	102140	242	3	7	51690.8	51696.6	-5.8	51689.0	51696.3	-7.3	-3.0
2	190	102156	244	3	6	51683.2	51689.1	-5.9	51681.6	51688.9	-7.3	-2.6
2	190	102209	246	3	5	51674.6	51680.5	-5.9	51670.2	51677.6	-7.4	-7.2
2	190	102220	248	3	4	51663.8	51669.8	-6.0	51655.8	51663.2	-7.4	-13.1
2	190	102232	250	3	3	51647.2	51653.2	-6.0	51633.4	51640.9	-7.5	-22.6
2	190	102243	252	3	2	51625.4	51631.5	-6.1	51600.4	51607.9	-7.5	-41.0
2	190	102256	254	3	1	51589.4	51595.5	-6.1	51536.2	51543.8	-7.6	-87.2
2	190	102311	256	3	0	51546.0	51552.2	-6.2	51413.8	51421.4	-7.6	-216.7
3	190	102656	260	6	0	51527.2	51534.3	-7.1	51361.0	51369.7	-8.7	-272.5
3	190	102736	262	6	1	51606.6	51614.1	-7.5	51548.6	51557.7	-9.1	-95.1
3	190	102750	264	6	2	51639.6	51647.2	-7.6	51608.8	51617.9	-9.1	-50.5
3	190	102802	266	6	3	51661.6	51669.3	-7.7	51640.2	51649.4	-9.2	-35.1
3	190	102814	268	6	4	51676.6	51684.3	-7.7	51659.6	51668.9	-9.3	-27.9
3	190	102826	270	6	5	51687.4	51695.2	-7.8	51674.0	51683.3	-9.3	-22.0
3	190	102838	272	6	6	51698.6	51706.5	-7.9	51683.6	51693.0	-9.4	-24.6
3	190	102936	274	6	7	51700.6	51708.8	-8.2	51690.6	51700.3	-9.7	-16.4
3	190	102953	276	6	8	51704.6	51712.9	-8.3	51696.0	51705.8	-9.8	-14.1
3	190	103004	278	6	9	51707.0	51715.3	-8.3	51701.4	51711.3	-9.9	-9.2
3	190	103027	280	6	10	51709.0	51717.5	-8.5	51702.2	51712.2	-10.0	-11.1
3	190	103040	282	6	11	51711.2	51719.7	-8.5	51705.8	51715.9	-10.1	-8.9
3	190	103052	284	6	12	51713.2	51721.8	-8.6	51708.2	51718.4	-10.2	-8.2
3	190	103103	286	6	13	51714.4	51723	-8.6	51709.8	51720.1	-10.3	-7.5
3	190	103115	288	6	14	51715.0	51723.7	-8.7	51710.4	51720.7	-10.3	-7.5
3	190	103128	290	6	15	51716.6	51725.4	-8.8	51711.0	51721.4	-10.4	-9.2
3	190	103141	292	6	16	51719.8	51728.6	-8.8	51716.2	51726.7	-10.5	-5.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
3	190	103154	294	6	17	51720.4	51729.3	-8.9	51717.4	51727.9	-10.5	-4.9
3	190	103206	296	6	18	51720.4	51729.4	-9.0	51717.6	51728.2	-10.6	-4.6
3	190	103218	298	6	19	51721.8	51730.8	-9.0	51718.6	51729.3	-10.7	-5.2
3	190	103230	300	6	20	51722.8	51731.9	-9.1	51717.8	51728.6	-10.8	-8.2
3	190	103243	302	6	21	51723.4	51732.6	-9.2	51721.4	51732.2	-10.8	-3.3
3	190	103255	304	6	22	51723.8	51733	-9.2	51722.0	51732.9	-10.9	-3.0
3	190	103306	306	6	23	51724.2	51733.5	-9.3	51722.6	51733.6	-11.0	-2.6
3	190	103317	308	6	24	51725.2	51734.6	-9.4	51724.6	51735.6	-11.0	-1.0
3	190	103329	310	6	25	51725.6	51735	-9.4	51725.4	51736.5	-11.1	-0.3
3	190	103341	312	6	26	51726.0	51735.5	-9.5	51726.8	51738.0	-11.2	1.3
3	190	103358	314	6	27	51727.0	51736.6	-9.6	51728.8	51740.1	-11.3	3.0
3	190	103410	316	6	28	51728.2	51737.8	-9.6	51731.0	51742.3	-11.3	4.6
3	190	103422	318	6	29	51729.2	51738.9	-9.7	51735.0	51746.4	-11.4	9.5
3	190	103435	320	6	30	51731.4	51741.2	-9.8	51739.4	51750.9	-11.5	13.1
3	190	103449	322	6	31	51733.2	51743	-9.8	51744.8	51756.4	-11.6	19.0
3	190	103501	324	6	32	51734.6	51744.5	-9.9	51753.0	51764.6	-11.6	30.2
3	190	103514	326	6	33	51734.4	51744.4	-10.0	51763.8	51775.5	-11.7	48.2
3	190	103525	328	6	34	51732.2	51742.2	-10.0	51778.0	51789.8	-11.8	75.1
3	190	103538	330	6	35	51720.8	51730.9	-10.1	51791.6	51803.4	-11.8	116.1
3	190	103551	332	6	36	51680.4	51690.6	-10.2	51795.2	51807.1	-11.9	188.2
3	190	103603	334	6	37	51578.8	51589	-10.2	51756.4	51768.4	-12.0	291.2
3	190	103616	336	6	38	51367.4	51377.7	-10.3	51594.2	51606.3	-12.1	371.8
3	190	103629	338	6	39	50979.8	50990.2	-10.4	51164.6	51176.7	-12.1	303.0
3	190	103642	340	6	40	50621.4	50631.8	-10.4	50590.8	50603.0	-12.2	-50.2
3	190	103656	342	6	41	50500.8	50511.3	-10.5	50410	50422.3	-12.3	-148.9
3	190	103710	344	6	42	50702.2	50712.8	-10.6	50663	50675.4	-12.4	-64.3
3	190	103724	346	6	43	50924.0	50934.7	-10.7	50916.4	50928.9	-12.5	-12.5
3	190	103736	348	6	44	51130.2	51140.9	-10.7	51139.0	51151.5	-12.5	14.4
3	190	103750	350	6	45	51270.6	51281.4	-10.8	51265.8	51278.4	-12.6	-7.9
3	190	103803	352	6	46	51372.4	51383.3	-10.9	51355.6	51368.3	-12.7	-27.5
3	190	103814	354	6	47	51449.4	51460.3	-10.9	51422.4	51435.1	-12.7	-44.3
3	190	103826	356	6	48	51518.8	51529.8	-11.0	51466.2	51479.0	-12.8	-86.2
3	190	103839	358	6	49	51587.4	51598.5	-11.1	51674.8	51687.7	-12.9	143.3
3	190	103851	360	6	50	51573.0	51584.1	-11.1	51562.0	51575.0	-13.0	-18.0
3	190	103904	362	6	51	51550.8	51562	-11.2	51535.6	51548.6	-13.0	-24.9
3	190	103916	364	6	52	51549.4	51560.7	-11.3	51570.2	51583.3	-13.1	34.1
3	190	103928	366	6	53	51548.4	51559.7	-11.3	51501.2	51514.4	-13.2	-77.4
3	190	103941	368	6	54	51574.6	51586	-11.4	51528.2	51541.4	-13.2	-76.1
3	190	103953	370	6	55	51606.4	51617.8	-11.4	51573.0	51586.3	-13.3	-54.8
3	190	104006	372	6	56	51624.4	51635.9	-11.5	51594.0	51607.4	-13.4	-49.8
3	190	104018	374	6	57	51638.0	51649.6	-11.6	51611.4	51624.9	-13.5	-43.6
3	190	104029	376	6	58	51650.0	51661.6	-11.6	51636.2	51649.7	-13.5	-22.6
3	190	104040	378	6	59	51655.4	51667.1	-11.7	51640.4	51654.0	-13.6	-24.6
3	190	104050	380	6	60	51660.2	51671.9	-11.7	51646.4	51660.0	-13.6	-22.6
3	190	104103	382	6	61	51662.8	51674.6	-11.8	51652.4	51666.1	-13.7	-17.0
3	190	104117	384	6	62	51664.0	51675.9	-11.9	51655.8	51669.6	-13.8	-13.4
3	190	104129	386	6	63	51664.0	51676	-12.0	51658.2	51672.1	-13.9	-9.5
3	190	104142	388	6	64	51660.4	51672.4	-12.0	51658.0	51671.9	-13.9	-3.9
3	190	104157	390	6	65	51650.4	51662.5	-12.1	51653.8	51667.8	-14.0	5.6

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
3	190	104210	392	6	66	51626.4	51638.6	-12.2	51637.6	51651.7	-14.1	18.4
3	190	104224	394	6	67	51574.2	51586.4	-12.2	51585.8	51600.0	-14.2	19.0
3	190	104236	396	6	68	51490.2	51502.5	-12.3	51504.0	51518.3	-14.3	22.6
3	190	104248	398	6	69	51437.6	51450	-12.4	51416.6	51430.9	-14.3	-34.4
3	190	104300	400	6	70	51463.8	51476.2	-12.4	51422.0	51436.4	-14.4	-68.5
3	190	104312	402	6	71	51527.0	51539.5	-12.5	51504.4	51518.9	-14.5	-37.0
3	190	104323	404	6	72	51584.6	51597.2	-12.6	51569.2	51583.7	-14.5	-25.3
3	190	104401	406	6	73	51622.8	51635.6	-12.8	51613.8	51628.5	-14.7	-14.8
4	190	104640	408	9	73	51573.0	51586.6	-13.6	51536.6	51552.3	-15.7	-59.7
4	190	104651	410	9	72	51469.2	51482.9	-13.7	51385.0	51400.7	-15.7	-138.0
4	190	104703	412	9	71	511163.4	51177.1	-13.7	510894.8	50910.6	-15.8	-440.3
4	190	104721	414	9	70	510419.8	50433.6	-13.8	510491.6	50507.5	-15.9	117.7
4	190	104735	416	9	69	51046.6	51060.5	-13.9	51207.4	51223.4	-16.0	263.6
4	190	104747	418	9	68	51418.4	51432.4	-14.0	51499.8	51515.9	-16.1	133.4
4	190	104758	420	9	67	51556.4	51570.4	-14.0	51588.2	51604.3	-16.1	52.1
4	190	104810	422	9	66	51612.6	51626.7	-14.1	51627.8	51644.0	-16.2	24.9
4	190	104828	424	9	65	51638.8	51653	-14.2	51646.6	51662.9	-16.3	12.8
4	190	104840	426	9	64	51651.8	51666	-14.2	51654.8	51671.2	-16.4	4.9
4	190	104851	428	9	63	51658.0	51672.3	-14.3	51657.0	51673.4	-16.4	-1.6
4	190	104902	430	9	62	51662.4	51676.7	-14.3	51656.6	51673.1	-16.5	-9.5
4	190	104913	432	9	61	51665.0	51679.4	-14.4	51653.6	51670.2	-16.6	-18.7
4	190	104930	434	9	60	51667.6	51682.1	-14.5	51650.4	51667.1	-16.7	-28.2
4	190	104942	436	9	59	51675.2	51689.8	-14.6	51648.4	51665.1	-16.7	-43.9
4	190	104956	438	9	58	51688.0	51702.6	-14.6	51650.8	51667.6	-16.8	-61.0
4	190	105010	440	9	57	51725.2	51739.9	-14.7	51678.4	51695.3	-16.9	-76.7
4	190	105022	442	9	56	51796.2	51811	-14.8	51789.2	51806.2	-17.0	-11.5
4	190	105035	444	9	55	51902.0	51916.8	-14.8	512087.6	52104.6	-17.0	304.3
4	190	105050	446	9	54	51859.8	51874.7	-14.9	512074	52091.1	-17.1	351.1
4	190	105103	448	9	53	51616.0	51631	-15.0	511664.6	51681.8	-17.2	79.7
4	190	105122	450	9	52	511326.8	51341.9	-15.1	511049.8	51067.1	-17.3	-454.1
4	190	105202	452	9	51	511213	51228.3	-15.3	510726.2	50743.7	-17.5	-798.0
4	190	105216	454	9	50	51365.0	51380.4	-15.4	51272.6	51290.2	-17.6	-151.5
4	190	105229	456	9	49	51535.8	51551.2	-15.4	51566.4	51584.1	-17.7	50.2
4	190	105241	458	9	48	51657.6	51673.1	-15.5	51792.6	51810.4	-17.8	221.3
4	190	105254	460	9	47	51689.4	51705	-15.6	511980.6	51998.4	-17.8	477.4
4	190	105309	462	9	46	51474.8	51490.5	-15.7	511615	51632.9	-17.9	229.8
4	190	105322	464	9	45	51132.4	51148.1	-15.7	510978.8	50996.8	-18.0	-251.8
4	190	105337	466	9	44	510700.6	50716.4	-15.8	510393.2	50411.3	-18.1	-503.9
4	190	105351	468	9	43	510202.2	50218.1	-15.9	5149784.8	49803.0	-18.2	-684.3
4	190	105406	470	9	42	5149399	49415	-16.0	5148450	48468.3	-18.3	-1555.7
4	190	105421	472	9	41	512065.6	52081.6	-16.0	5146938.6	46956.9	-18.3	-8404.9
4	190	105436	474	9	40	512090.6	52106.7	-16.1	5158557.8	58576.2	-18.4	10602.0
4	190	105450	476	9	39	510146.2	50162.4	-16.2	5149881.6	49900.1	-18.5	-433.8
4	190	105504	478	9	38	50990.8	51007.1	-16.3	511175.2	51193.8	-18.6	302.3
4	190	105517	480	9	37	51391.2	51407.5	-16.3	511552.2	51570.9	-18.7	263.9
4	190	105529	482	9	36	51561.2	51577.6	-16.4	51672.6	51691.3	-18.7	182.6
4	190	105542	484	9	35	51637.2	51653.7	-16.5	51704.4	51723.2	-18.8	110.2
4	190	105557	486	9	34	51674.6	51691.1	-16.5	51718.6	51737.5	-18.9	72.1
4	190	105612	488	9	33	51688.8	51705.4	-16.6	51718.6	51737.6	-19.0	48.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
4	190	105628	490	9	32	51694.6	51711.3	-16.7	51708.2	51727.3	-19.1	22.3
4	190	105640	492	9	31	51698.8	51715.6	-16.8	51718.0	51737.1	-19.1	31.5
4	190	105651	494	9	30	51702.6	51719.4	-16.8	51718.0	51737.2	-19.2	25.2
4	190	105703	496	9	29	51704.2	51721.1	-16.9	51716.0	51735.3	-19.3	19.3
4	190	105716	498	9	28	51705.0	51722	-17.0	51715.6	51734.9	-19.3	17.4
4	190	105727	500	9	27	51706.6	51723.6	-17.0	51714.8	51734.2	-19.4	13.4
4	190	105738	502	9	26	51706.6	51723.7	-17.1	51714.6	51734.1	-19.5	13.1
4	190	105750	504	9	25	51707.4	51724.5	-17.1	51714.2	51733.7	-19.5	11.1
4	190	105801	506	9	24	51707.6	51724.8	-17.2	51714.2	51733.8	-19.6	10.8
4	190	105814	508	9	23	51706.6	51723.9	-17.3	51713.4	51733.1	-19.7	11.1
4	190	105832	510	9	22	51707.4	51724.8	-17.4	51712.4	51732.2	-19.8	8.2
4	190	105844	512	9	21	51707.4	51724.8	-17.4	51711.6	51731.5	-19.9	6.9
4	190	105857	514	9	20	51706.4	51723.9	-17.5	51711.6	51731.5	-19.9	8.5
4	190	105910	516	9	19	51707.0	51724.6	-17.6	51710.0	51730.0	-20.0	4.9
4	190	105924	518	9	18	51705.8	51723.4	-17.6	51709.8	51729.9	-20.1	6.6
4	190	105941	520	9	17	51705.6	51723.3	-17.7	51708.0	51728.2	-20.2	3.9
4	190	105953	522	9	16	51704.2	51722	-17.8	51708.0	51728.3	-20.3	6.2
4	190	110009	524	9	15	51702.0	51719.9	-17.9	51706.0	51726.4	-20.4	6.6
4	190	110022	526	9	14	51702.0	51719.9	-17.9	51703.8	51724.2	-20.4	3.0
4	190	110036	528	9	13	51700.2	51718.2	-18.0	51703.4	51723.9	-20.5	5.3
4	190	110048	530	9	12	51699.2	51717.3	-18.1	51701.0	51721.6	-20.6	3.0
4	190	110102	532	9	11	51696.8	51715	-18.2	51698.6	51719.3	-20.7	3.0
4	190	110115	534	9	10	51696.2	51714.4	-18.2	51696.0	51716.7	-20.7	-0.3
4	190	110128	536	9	9	51693.4	51711.7	-18.3	51694.2	51715.0	-20.8	1.3
4	190	110142	538	9	8	51692.4	51710.8	-18.4	51691.8	51712.7	-20.9	-1.0
4	190	110155	540	9	7	51694.2	51712.6	-18.4	51691.4	51712.4	-21.0	-4.6
4	190	110207	542	9	6	51700.4	51718.9	-18.5	51695.0	51716.0	-21.0	-8.9
4	190	110220	544	9	5	51705.6	51724.2	-18.6	51695.8	51716.9	-21.1	-16.1
4	190	110231	546	9	4	51696.0	51714.6	-18.6	51670.6	51691.8	-21.2	-41.6
4	190	110243	548	9	3	51662.2	51680.9	-18.7	51628.0	51649.2	-21.2	-56.1
4	190	110255	550	9	2	51629.8	51648.6	-18.8	51590.0	51611.3	-21.3	-65.2
4	190	110307	552	9	1	51588.0	51606.8	-18.8	51518.2	51539.6	-21.4	-114.4
4	190	110333	554	9	0	51531.8	51550.8	-19.0	51354.4	51375.9	-21.5	-290.8
5	190	110845	558	12	0	51529.2	51548.8	-19.6	51391.8	51413.9	-22.1	-225.2
5	190	110859	560	12	1	51599.0	51618.9	-19.9	51546.0	51568.4	-22.4	-86.9
5	190	110913	562	12	2	51638.6	51658.5	-19.9	51614.0	51636.4	-22.4	-40.3
5	190	110928	564	12	3	51648.0	51668	-20.0	51644.2	51666.6	-22.4	-6.2
5	190	110941	566	12	4	51607.6	51627.6	-20.0	51049.8	51072.3	-22.5	-914.4
5	190	111004	568	12	5	51601.4	51621.5	-20.1	51345.2	51367.7	-22.5	-420.0
5	190	111018	570	12	6	51651.6	51671.7	-20.1	51619.8	51642.3	-22.5	-52.1
5	190	111033	572	12	7	51674.6	51694.7	-20.1	51662.0	51684.6	-22.6	-20.7
5	190	111046	574	12	8	51685.4	51705.6	-20.2	51677.6	51700.2	-22.6	-12.8
5	190	111059	576	12	9	51691.0	51711.2	-20.2	51684.8	51707.4	-22.6	-10.2
5	190	111111	578	12	10	51694.6	51714.8	-20.2	51688.2	51710.8	-22.6	-10.5
5	190	111124	580	12	11	51697.2	51717.5	-20.3	51691.4	51714.1	-22.7	-9.5
5	190	111136	582	12	12	51699.2	51719.5	-20.3	51694.4	51717.1	-22.7	-7.9
5	190	111154	584	12	13	51700.2	51720.5	-20.3	51696.4	51719.1	-22.7	-6.2
5	190	111206	586	12	14	51702.2	51722.6	-20.4	51697.6	51720.4	-22.8	-7.5
5	190	111218	588	12	15	51703.0	51723.4	-20.4	51698.6	51721.4	-22.8	-7.2

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
5	190	111230	590	12	16	51703.8	51724.2	-20.4	51700.6	51723.4	-22.8	-5.2
5	190	111242	592	12	17	51703.4	51723.9	-20.5	51701.0	51723.8	-22.8	-3.9
5	190	111255	594	12	18	51703.8	51724.3	-20.5	51701.0	51723.9	-22.9	-4.6
5	190	111307	596	12	19	51703.6	51724.1	-20.5	51700.6	51723.5	-22.9	-4.9
5	190	111320	598	12	20	51703.4	51724	-20.6	51701.0	51723.9	-22.9	-3.9
5	190	111332	600	12	21	51703.4	51724	-20.6	51700.6	51723.5	-22.9	-4.6
5	190	111344	602	12	22	51702.6	51723.2	-20.6	51700.2	51723.2	-23.0	-3.9
5	190	111356	604	12	23	51701.2	51721.8	-20.6	51699.8	51722.8	-23.0	-2.3
5	190	111407	606	12	24	51699.8	51720.5	-20.7	51699.0	51722.0	-23.0	-1.3
5	190	111419	608	12	25	51698.4	51719.1	-20.7	51698.2	51721.2	-23.0	-0.3
5	190	111437	610	12	26	51696.2	51716.9	-20.7	51695.6	51718.7	-23.1	-1.0
5	190	111449	612	12	27	51693.0	51713.8	-20.8	51693.4	51716.5	-23.1	0.7
5	190	111501	614	12	28	51689.8	51710.6	-20.8	51689.8	51712.9	-23.1	0.0
5	190	111512	616	12	29	51683.8	51704.6	-20.8	51684.4	51707.5	-23.1	1.0
5	190	111524	618	12	30	51677.0	51697.9	-20.9	51678.4	51701.6	-23.2	2.3
5	190	111539	620	12	31	51669.4	51690.3	-20.9	51669.0	51692.2	-23.2	-0.7
5	190	111552	622	12	32	51656.8	51677.7	-20.9	51657.0	51680.2	-23.2	0.3
5	190	111604	624	12	33	51634.2	51655.2	-21.0	51634.6	51657.8	-23.2	0.7
5	190	111617	626	12	34	51602.4	51623.4	-21.0	51595.4	51618.7	-23.3	-11.5
5	190	111629	628	12	35	51566.0	51587	-21.0	51530.4	51553.7	-23.3	-58.4
5	190	111643	630	12	36	51544.6	51565.7	-21.1	51417.4	51440.7	-23.3	-208.5
5	190	111657	632	12	37	51639.0	51660.1	-21.1	51745.4	51768.8	-23.4	174.4
5	190	111712	634	12	38	51734.0	51755.1	-21.1	51905	51928.4	-23.4	280.3
5	190	111727	636	12	39	51858	51879.2	-21.2	52099.4	52122.8	-23.4	395.7
5	190	111743	638	12	40	52006	52027.2	-21.2	52580.2	52603.6	-23.4	941.3
5	190	111804	640	12	41	52068.4	52089.7	-21.3	52175.4	52198.9	-23.5	175.4
5	190	111827	642	12	42	51978	51999.3	-21.3	52290.6	52314.1	-23.5	512.5
5	190	111843	644	12	43	51874.2	51895.6	-21.4	52000.8	52024.4	-23.6	207.5
5	190	111857	646	12	44	51699.8	51721.2	-21.4	51656.2	51679.8	-23.6	-71.5
5	190	111916	648	12	45	51633.2	51654.6	-21.4	51514	51537.6	-23.6	-195.4
5	190	111928	650	12	46	51627.0	51648.5	-21.5	51551.8	51575.5	-23.7	-123.3
5	190	111945	652	12	47	51646.2	51667.7	-21.5	51621.8	51645.5	-23.7	-40.0
5	190	111958	654	12	48	51623.8	51645.4	-21.6	51550.4	51574.1	-23.7	-120.3
5	190	112011	656	12	49	51578.4	51600	-21.6	51529.8	51553.6	-23.8	-79.7
5	190	112026	658	12	50	51467.0	51488.6	-21.6	51556.8	51580.6	-23.8	147.2
5	190	112043	660	12	51	51255.2	51276.9	-21.7	50973.4	50997.2	-23.8	-462.0
5	190	112057	662	12	52	51214.8	51236.5	-21.7	51775.4	51799.2	-23.8	919.0
5	190	112111	664	12	53	51716.2	51737.9	-21.7	51572.6	51596.5	-23.9	-235.4
5	190	112127	666	12	54	52339.4	52361.2	-21.8	52918.4	52942.3	-23.9	949.2
5	190	112141	668	12	55	52526.6	52548.4	-21.8	52959	52982.9	-23.9	708.9
5	190	112155	670	12	56	52323.4	52345.2	-21.8	52378.2	52402.2	-24.0	89.8
5	190	112209	672	12	57	52011.8	52033.7	-21.9	51907.8	51931.8	-24.0	-170.5
5	190	112222	674	12	58	51831.6	51853.5	-21.9	51731.2	51755.2	-24.0	-164.6
5	190	112233	676	12	59	51742.4	51764.3	-21.9	51676.0	51700.0	-24.0	-108.9
5	190	112249	678	12	60	51703.8	51725.8	-22.0	51657.4	51681.5	-24.1	-76.1
5	190	112303	680	12	61	51681.8	51703.8	-22.0	51651.6	51675.7	-24.1	-49.5
5	190	112317	682	12	62	51670.4	51692.4	-22.0	51647.4	51671.5	-24.1	-37.7
5	190	112330	684	12	63	51660.6	51682.7	-22.1	51645.4	51669.6	-24.2	-24.9
5	190	112342	686	12	64	51650.4	51672.5	-22.1	51640.0	51664.2	-24.2	-17.1

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
5	190	112354	688	12	65	51633.4	51655.5	-22.1	51629.0	51653.2	-24.2	-7.2
5	190	112406	690	12	66	51605.2	51627.4	-22.2	51609.2	51633.4	-24.2	6.6
5	190	112418	692	12	67	51543.8	51566	-22.2	51565.2	51589.5	-24.3	35.1
5	190	112431	694	12	68	51405.4	51427.6	-22.2	51466.6	51490.9	-24.3	100.3
5	190	112449	696	12	69	51073.0	51095.3	-22.3	51247.6	51271.9	-24.3	286.2
5	190	112502	698	12	70	50418.4	50440.7	-22.3	50587.2	50611.5	-24.3	276.7
5	190	112517	700	12	71	50984	51006.3	-22.3	50715.6	50740.0	-24.4	-440.0
5	190	112530	702	12	72	51392.8	51415.2	-22.4	51305.2	51329.6	-24.4	-143.6
5	190	112544	704	12	73	51546.4	51568.8	-22.4	51504.4	51528.8	-24.4	-68.9
6	190	112930	706	15	73	51570.6	51593.6	-23.0	51517.2	51542.1	-24.9	-87.5
6	190	112943	708	15	72	51426	51449	-23.0	51297.0	51321.9	-24.9	-211.5
6	190	113000	710	15	71	50825.4	50848.5	-23.1	50661.8	50686.8	-25.0	-268.2
6	190	113016	712	15	70	50759.6	50782.7	-23.1	50612	50637.0	-25.0	-242.0
6	190	113040	714	15	69	51236.4	51259.6	-23.2	51303.6	51328.6	-25.0	110.2
6	190	113052	716	15	68	51468.0	51491.2	-23.2	51527.4	51552.5	-25.1	97.4
6	190	113110	718	15	67	51576.8	51600	-23.2	51618.4	51643.5	-25.1	68.2
6	190	113124	720	15	66	51618.6	51641.9	-23.3	51630.2	51655.3	-25.1	19.0
6	190	113136	722	15	65	51642.2	51665.5	-23.3	51642.8	51668.0	-25.2	1.0
6	190	113149	724	15	64	51657.2	51680.5	-23.3	51648.0	51673.2	-25.2	-15.1
6	190	113200	726	15	63	51669.8	51693.2	-23.4	51656.0	51681.2	-25.2	-22.6
6	190	113213	728	15	62	51683.8	51707.2	-23.4	51662.8	51688.0	-25.2	-34.4
6	190	113227	730	15	61	51706.0	51729.4	-23.4	51671.8	51697.1	-25.3	-56.1
6	190	113242	732	15	60	51744.0	51767.5	-23.5	51692.8	51718.1	-25.3	-83.9
6	190	113255	734	15	59	51814.2	51837.7	-23.5	51733.0	51758.3	-25.3	-133.1
6	190	113310	736	15	58	51952.6	51976.1	-23.5	51840.4	51865.7	-25.3	-183.9
6	190	113322	738	15	57	52211.6	52235.2	-23.6	52105.6	52131.0	-25.4	-173.8
6	190	113336	740	15	56	52605.4	52629	-23.6	52713.2	52738.6	-25.4	176.7
6	190	113348	742	15	55	52846.8	52870.4	-23.6	53566.6	53592.0	-25.4	1180.0
6	190	113400	744	15	54	52681.8	52705.5	-23.7	53409.6	53435.0	-25.4	1193.1
6	190	113412	746	15	53	51985.2	52008.9	-23.7	51928.4	51953.9	-25.5	-93.1
6	190	113425	748	15	52	51407.2	51430.9	-23.7	50963.8	50989.3	-25.5	-726.9
6	190	113508	750	15	51	51256.6	51280.4	-23.8	50906.4	50932.0	-25.6	-574.1
6	190	113523	752	15	50	51394.2	51418.1	-23.9	51395.8	51421.4	-25.6	2.6
6	190	113536	754	15	49	51530.6	51554.5	-23.9	51728.2	51753.8	-25.6	323.9
6	190	113549	756	15	48	51501.6	51525.5	-23.9	51137.6	51163.3	-25.7	-596.7
6	190	113601	758	15	47	51585.4	51609.4	-24.0	51496.0	51521.7	-25.7	-146.6
6	190	113618	760	15	46	51806.8	51830.8	-24.0	51859.6	51885.3	-25.7	86.6
6	190	113644	762	15	45	52046.2	52070.3	-24.1	52209.0	52234.8	-25.8	266.9
6	190	113702	764	15	44	52353.8	52377.9	-24.1	52729.2	52755.0	-25.8	615.4
6	190	113720	766	15	43	52652.4	52676.6	-24.2	53120.4	53146.3	-25.9	767.2
6	190	113736	768	15	42	52841.6	52865.8	-24.2	53550.2	53576.1	-25.9	1161.6
6	190	113751	770	15	41	52759	52783.2	-24.2	53441.4	53467.3	-25.9	1118.7
6	190	113823	772	15	40	52480.2	52504.5	-24.3	52809.2	52835.2	-26.0	539.3
6	190	113838	774	15	39	52177.2	52201.6	-24.4	52169.6	52195.6	-26.0	-12.5
6	190	113851	776	15	38	52039.6	52064	-24.4	52133.2	52159.2	-26.0	153.4
6	190	113905	778	15	37	51867.8	51892.2	-24.4	52024.4	52050.5	-26.1	256.7
6	190	113918	780	15	36	51577.0	51601.5	-24.5	51213	51239.1	-26.1	-596.7
6	190	113933	782	15	35	51509.0	51533.5	-24.5	51404.4	51430.5	-26.1	-171.5
6	190	113947	784	15	34	51551.8	51576.3	-24.5	51525.6	51551.8	-26.2	-43.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
6	190	114000	786	15	33	51590.2	51614.8	-24.6	51581.8	51608.0	-26.2	-13.8
6	190	114013	788	15	32	51615.6	51640.2	-24.6	51608.8	51635.0	-26.2	-11.1
6	190	114024	790	15	31	51636.0	51660.6	-24.6	51639.6	51665.8	-26.2	5.9
6	190	114035	792	15	30	51652.2	51676.8	-24.6	51659.6	51685.9	-26.3	12.1
6	190	114052	794	15	29	51663.0	51687.7	-24.7	51671.2	51697.5	-26.3	13.4
6	190	114105	796	15	28	51671.0	51695.7	-24.7	51677.6	51703.9	-26.3	10.8
6	190	114116	798	15	27	51676.4	51701.2	-24.8	51683.4	51709.7	-26.3	11.5
6	190	114129	800	15	26	51681.6	51706.4	-24.8	51687.2	51713.6	-26.4	9.2
6	190	114142	802	15	25	51685.2	51710	-24.8	51691.4	51717.8	-26.4	10.2
6	190	114153	804	15	24	51689.0	51713.8	-24.8	51696.6	51723.0	-26.4	12.5
6	190	114206	806	15	23	51689.8	51714.7	-24.9	51692.4	51718.8	-26.4	4.3
6	190	114219	808	15	22	51690.2	51715.1	-24.9	51692.0	51718.5	-26.5	3.0
6	190	114232	810	15	21	51691.6	51716.5	-24.9	51695.0	51721.5	-26.5	5.6
6	190	114247	812	15	20	51692.0	51717	-25.0	51697.0	51723.5	-26.5	8.2
6	190	114258	814	15	19	51693.0	51718	-25.0	51697.6	51724.2	-26.6	7.5
6	190	114311	816	15	18	51694.6	51719.6	-25.0	51698.0	51724.6	-26.6	5.6
6	190	114326	818	15	17	51695.0	51720.1	-25.1	51698.6	51725.2	-26.6	5.9
6	190	114338	820	15	16	51695.2	51720.3	-25.1	51699.0	51725.6	-26.6	6.2
6	190	114351	822	15	15	51694.4	51719.5	-25.1	51698.2	51724.9	-26.7	6.2
6	190	114404	824	15	14	51693.4	51718.6	-25.2	51696.6	51723.3	-26.7	5.2
6	190	114418	826	15	13	51692.6	51717.8	-25.2	51695.2	51721.9	-26.7	4.3
6	190	114430	828	15	12	51692.2	51717.4	-25.2	51694.2	51720.9	-26.7	3.3
6	190	114442	830	15	11	51690.0	51715.3	-25.3	51691.6	51718.4	-26.8	2.6
6	190	114454	832	15	10	51687.2	51712.5	-25.3	51688.0	51714.8	-26.8	1.3
6	190	114506	834	15	9	51683.4	51708.7	-25.3	51683.8	51710.6	-26.8	0.7
6	190	114518	836	15	8	51679.4	51704.8	-25.4	51678.0	51704.8	-26.8	-2.3
6	190	114531	838	15	7	51672.8	51698.2	-25.4	51670.2	51697.1	-26.9	-4.3
6	190	114543	840	15	6	51663.2	51688.6	-25.4	51659.6	51686.5	-26.9	-5.9
6	190	114555	842	15	5	51652.0	51677.4	-25.4	51648.8	51675.7	-26.9	-5.2
6	190	114607	844	15	4	51646.6	51672.1	-25.5	51641.8	51668.7	-26.9	-7.9
6	190	114619	846	15	3	51641.2	51666.7	-25.5	51632.6	51659.6	-27.0	-14.1
6	190	114636	848	15	2	51628.6	51654.2	-25.6	51611.6	51638.6	-27.0	-27.9
6	190	114648	850	15	1	51597.4	51623	-25.6	51563.8	51590.8	-27.0	-55.1
6	190	114704	852	15	0	51531.6	51557.2	-25.6	51452.4	51479.5	-27.1	-129.8
7	190	131257	856	18	0	51550.8	51568.5	-17.7	51404.4	51421.5	-17.1	-240.0
7	190	131314	858	18	1	51614.8	51632.5	-17.7	51544.0	51561.1	-17.1	-116.1
7	190	131328	860	18	2	51655.2	51672.9	-17.7	51608.2	51625.3	-17.1	-77.0
7	190	131341	862	18	3	51675.8	51693.5	-17.7	51639.4	51656.4	-17.0	-59.7
7	190	131355	864	18	4	51687.6	51705.3	-17.7	51658.0	51675.0	-17.0	-48.5
7	190	131410	866	18	5	51689.8	51707.5	-17.7	51670.4	51687.4	-17.0	-31.8
7	190	131424	868	18	6	51695.2	51712.8	-17.6	51678.6	51695.6	-17.0	-27.2
7	190	131436	870	18	7	51699.8	51717.4	-17.6	51684.2	51701.1	-16.9	-25.6
7	190	131451	872	18	8	51703.6	51721.2	-17.6	51689.4	51706.3	-16.9	-23.3
7	190	131504	874	18	9	51706.4	51724	-17.6	51693.6	51710.5	-16.9	-21.0
7	190	131519	876	18	10	51708.0	51725.6	-17.6	51696.4	51713.3	-16.9	-19.0
7	190	131532	878	18	11	51709.0	51726.5	-17.5	51699.4	51716.2	-16.8	-15.7
7	190	131545	880	18	12	51709.2	51726.7	-17.5	51701.8	51718.6	-16.8	-12.1
7	190	131558	882	18	13	51709.4	51726.9	-17.5	51703.8	51720.6	-16.8	-9.2
7	190	131611	884	18	14	51711.2	51728.7	-17.5	51703.2	51720.0	-16.8	-13.1

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
7	190	131625	886	18	15	51710.8	51728.2	-17.4	51703.8	51720.5	-16.7	-11.5
7	190	131637	888	18	16	51710.8	51728.2	-17.4	51704.0	51720.7	-16.7	-11.1
7	190	131652	890	18	17	51709.2	51726.6	-17.4	51704.0	51720.7	-16.7	-8.5
7	190	131706	892	18	18	51709.4	51726.8	-17.4	51702.4	51719.0	-16.6	-11.5
7	190	131719	894	18	19	51708.4	51725.8	-17.4	51701.8	51718.4	-16.6	-10.8
7	190	131735	896	18	20	51708.0	51725.3	-17.3	51700.4	51717.0	-16.6	-12.5
7	190	131752	898	18	21	51705.8	51723.1	-17.3	51701.0	51717.6	-16.6	-7.9
7	190	131806	900	18	22	51703.8	51721.1	-17.3	51699.0	51715.5	-16.5	-7.9
7	190	131820	902	18	23	51701.0	51718.3	-17.3	51699.8	51716.3	-16.5	-2.0
7	190	131834	904	18	24	51698.8	51716	-17.2	51696.2	51712.7	-16.5	-4.3
7	190	131846	906	18	25	51696.2	51713.4	-17.2	51692.4	51708.8	-16.4	-6.2
7	190	131858	908	18	26	51692.6	51709.8	-17.2	51688.6	51705.0	-16.4	-6.6
7	190	131910	910	18	27	51688.2	51705.4	-17.2	51681.0	51697.4	-16.4	-11.8
7	190	131923	912	18	28	51683.6	51700.8	-17.2	51676.8	51693.2	-16.4	-11.1
7	190	131935	914	18	29	51674.8	51691.9	-17.1	51671.4	51687.7	-16.3	-5.6
7	190	131948	916	18	30	51665.4	51682.5	-17.1	51660.6	51676.9	-16.3	-7.9
7	190	132001	918	18	31	51651.0	51668.1	-17.1	51646.6	51662.9	-16.3	-7.2
7	190	132015	920	18	32	51634.0	51651.1	-17.1	51625.6	51641.9	-16.3	-13.8
7	190	132028	922	18	33	51608.0	51625.1	-17.1	51594.2	51610.4	-16.2	-22.6
7	190	132043	924	18	34	51574.2	51591.2	-17.0	51540.2	51556.4	-16.2	-55.7
7	190	132057	926	18	35	51542.4	51559.4	-17.0	51452.6	51468.8	-16.2	-147.2
7	190	132113	928	18	36	51582.6	51599.6	-17.0	51396.4	51412.6	-16.2	-305.2
7	190	132127	930	18	37	51740.8	51757.8	-17.0	51836.2	51852.3	-16.1	156.4
7	190	132143	932	18	38	51824.0	51840.9	-16.9	51772.2	51788.3	-16.1	-84.9
7	190	132157	934	18	39	51817.0	51833.9	-16.9	51702.4	51718.5	-16.1	-187.9
7	190	132214	936	18	40	51848.6	51865.5	-16.9	51827.0	51843.0	-16.0	-35.4
7	190	132230	938	18	41	51895.4	51912.3	-16.9	51846.8	51862.8	-16.0	-79.7
7	190	132245	940	18	42	51932.8	51949.6	-16.8	51913.6	51929.6	-16.0	-31.5
7	190	132302	942	18	43	51950.0	51966.8	-16.8	51968.4	51984.3	-15.9	30.2
7	190	132315	944	18	44	51902.6	51919.4	-16.8	51921.2	51937.1	-15.9	30.5
7	190	132330	946	18	45	51813.2	51830	-16.8	51785.4	51801.3	-15.9	-45.6
7	190	132344	948	18	46	51748.6	51765.4	-16.8	51765.2	51781.1	-15.9	27.2
7	190	132355	950	18	47	51630.8	51647.5	-16.7	51633.2	51649.0	-15.8	3.9
7	190	132410	952	18	48	51467.0	51483.7	-16.7	51417.6	51433.4	-15.8	-81.0
7	190	132423	954	18	49	51279.6	51296.3	-16.7	51150.8	51166.6	-15.8	-211.1
7	190	132439	956	18	50	51118.2	51134.9	-16.7	51075.2	51091.9	-15.7	-593.4
7	190	132454	958	18	51	51060.2	51076.8	-16.6	50847.6	50863.3	-15.7	-348.5
7	190	132510	960	18	52	51100.8	51117.4	-16.6	51071.3	51087.7	-15.7	-635.7
7	190	132528	962	18	53	51467	51483.6	-16.6	51473.6	51489.2	-15.6	-1136.7
7	190	132543	964	18	54	52375	52391.6	-16.6	52369.4	52385.6	-15.6	523.0
7	190	132559	966	18	55	53285.4	53301.9	-16.5	53272.4	53288.0	-15.6	2200.0
7	190	132612	968	18	56	53335	53351.5	-16.5	53321.8	53337.4	-15.6	1880.0
7	190	132625	970	18	57	52822.4	52838.9	-16.5	52817.6	52833.1	-15.5	697.0
7	190	132639	972	18	58	52268.0	52284.5	-16.5	52261.2	52276.7	-15.5	-175.1
7	190	132654	974	18	59	51973.4	51989.9	-16.5	51968.0	51983.5	-15.5	-205.6
7	190	132708	976	18	60	51842.4	51858.8	-16.4	51837.8	51853.2	-15.4	-146.9
7	190	132722	978	18	61	51783.8	51800.2	-16.4	51779.2	51795.6	-15.4	-109.2
7	190	132740	980	18	62	51746.6	51763	-16.4	51742.0	51758.4	-15.4	-82.3
7	190	132753	982	18	63	51723.4	51739.8	-16.4	51719.8	51736.2	-15.4	-62.3

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
7	190	132816	984	18	64	51704.4	51720.7	-16.3	51676.2	51691.5	-15.3	-46.2
7	190	132829	986	18	65	51683.8	51700.1	-16.3	51661.4	51676.7	-15.3	-36.7
7	190	132848	988	18	66	51660.2	51676.5	-16.3	51644.2	51659.5	-15.3	-26.2
8	190	133323	990	21	73	51581.2	51597	-15.8	51541.4	51556.1	-14.7	-65.2
8	190	133339	992	21	72	51389.8	51405.6	-15.8	51232.0	51246.7	-14.7	-258.7
8	190	133359	994	21	71	510694.2	50710	-15.8	510707	50721.6	-14.6	21.0
8	190	133429	996	21	70	510979.8	50995.5	-15.7	511159.6	51174.2	-14.6	294.8
8	190	133444	998	21	69	51403.0	51418.7	-15.7	51466.4	51480.9	-14.5	103.9
8	190	133500	1000	21	68	51554.2	51569.9	-15.7	51582.2	51596.7	-14.5	45.9
8	190	133518	1002	21	67	51629.2	51644.9	-15.7	51637.2	51651.7	-14.5	13.1
8	190	133534	1004	21	66	51664.0	51679.6	-15.6	51663.0	51677.4	-14.4	-1.6
8	190	133547	1006	21	65	51687.4	51703	-15.6	51678.8	51693.2	-14.4	-14.1
8	190	133602	1008	21	64	51705.2	51720.8	-15.6	51689.4	51703.8	-14.4	-25.9
8	190	133615	1010	21	63	51725.2	51740.8	-15.6	51699.2	51713.6	-14.4	-42.6
8	190	133629	1012	21	62	51749.4	51764.9	-15.5	51710.0	51724.3	-14.3	-64.6
8	190	133644	1014	21	61	51790.0	51805.5	-15.5	51731.6	51745.9	-14.3	-95.7
8	190	133658	1016	21	60	51849.6	51865.1	-15.5	51762.2	51776.5	-14.3	-143.3
8	190	133715	1018	21	59	51954.4	51969.9	-15.5	51824.2	51838.4	-14.2	-213.4
8	190	133732	1020	21	58	52121.8	52137.2	-15.4	51958.4	51972.6	-14.2	-267.9
8	190	133747	1022	21	57	52436.0	52451.4	-15.4	52334.8	52349.0	-14.2	-165.9
8	190	133801	1024	21	56	52757.2	52772.6	-15.4	53143.4	53157.6	-14.2	633.1
8	190	133814	1026	21	55	52763.8	52779.2	-15.4	53563	53577.1	-14.1	1310.2
8	190	133829	1028	21	54	52138.2	52153.6	-15.4	52282.8	52296.9	-14.1	237.1
8	190	133844	1030	21	53	51286	51301.3	-15.3	51060.2	51062.3	-14.1	-1114.4
8	190	133859	1032	21	52	510917.8	50933.1	-15.3	510449	50463.0	-14.0	-768.5
8	190	133914	1034	21	51	510898	50913.3	-15.3	50741.2	50755.2	-14.0	-257.1
8	190	133929	1036	21	50	510970.6	50985.9	-15.3	510918.4	50932.4	-14.0	-85.6
8	190	133943	1038	21	49	51122.2	51137.4	-15.2	510934.6	50948.6	-14.0	-307.5
8	190	133958	1040	21	48	51321.4	51336.6	-15.2	51307.4	51321.3	-13.9	-23.0
8	190	134012	1042	21	47	51539.0	51554.2	-15.2	51596.6	51610.5	-13.9	94.4
8	190	134028	1044	21	46	51675.4	51690.6	-15.2	51783.0	51796.9	-13.9	176.4
8	190	134043	1046	21	45	51728.6	51743.7	-15.1	51814.8	51828.6	-13.8	141.3
8	190	134100	1048	21	44	51717.6	51732.7	-15.1	51721.0	51734.8	-13.8	5.6
8	190	134115	1050	21	43	51702.2	51717.3	-15.1	51762.2	51776.0	-13.8	98.4
8	190	134129	1052	21	42	51697.0	51712.1	-15.1	51657.8	51671.5	-13.7	-64.3
8	190	134150	1054	21	41	51714.8	51729.8	-15.0	51726.4	51740.1	-13.7	19.0
8	190	134204	1056	21	40	51712.8	51727.8	-15.0	51705.2	51718.9	-13.7	-12.5
8	190	134220	1058	21	39	51726.6	51741.6	-15.0	51687.8	51701.4	-13.6	-63.6
8	190	134234	1060	21	38	51804.0	51819	-15.0	51937.6	51951.2	-13.6	219.0
8	190	134248	1062	21	37	51761.2	51776.1	-14.9	52008.8	52022.4	-13.6	405.9
8	190	134301	1064	21	36	51502.6	51517.5	-14.9	51180.2	51193.8	-13.6	-528.5
8	190	134316	1066	21	35	51471.2	51486.1	-14.9	51370.4	51383.9	-13.5	-165.2
8	190	134330	1068	21	34	51532.8	51547.7	-14.9	51523.2	51536.7	-13.5	-15.7
8	190	134344	1070	21	33	51578.0	51592.9	-14.9	51580.4	51593.9	-13.5	3.9
8	190	134357	1072	21	32	51606.2	51621	-14.8	51608.6	51622.1	-13.5	3.9
8	190	134411	1074	21	31	51628.8	51643.6	-14.8	51637.0	51650.4	-13.4	13.4
8	190	134425	1076	21	30	51642.0	51656.8	-14.8	51651.4	51664.8	-13.4	15.4
8	190	134438	1078	21	29	51652.2	51667	-14.8	51660.6	51674.0	-13.4	13.8
8	190	134453	1080	21	28	51661.2	51676	-14.8	51668.0	51681.3	-13.3	11.1

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
8	190	134507	1082	21	27	51668.6	51683.3	-14.7	51674.4	51687.7	-13.3	9.5
8	190	134520	1084	21	26	51674.4	51689.1	-14.7	51682.6	51695.9	-13.3	13.4
8	190	134539	1086	21	25	51681.0	51695.7	-14.7	51688.8	51702.0	-13.2	12.8
8	190	134554	1088	21	24	51684.2	51698.9	-14.7	51692.6	51705.8	-13.2	13.8
8	190	134608	1090	21	23	51688.2	51702.8	-14.6	51696.0	51709.2	-13.2	12.8
8	190	134623	1092	21	22	51691.0	51705.6	-14.6	51698.6	51711.8	-13.2	12.5
8	190	134638	1094	21	21	51693.6	51708.2	-14.6	51701.2	51714.3	-13.1	12.5
8	190	134654	1096	21	20	51695.4	51710	-14.6	51703.2	51716.3	-13.1	12.8
8	190	134709	1098	21	19	51697.6	51712.1	-14.5	51704.8	51717.9	-13.1	11.8
8	190	134722	1100	21	18	51699.8	51714.3	-14.5	51707.0	51720.0	-13.0	11.8
8	190	134737	1102	21	17	51701.2	51715.7	-14.5	51708.0	51721.0	-13.0	11.1
8	190	134751	1104	21	16	51702.0	51716.5	-14.5	51708.6	51721.6	-13.0	10.8
8	190	134806	1106	21	15	51702.6	51717	-14.4	51708.2	51721.2	-13.0	9.2
8	190	134819	1108	21	14	51702.8	51717.2	-14.4	51705.8	51718.7	-12.9	4.9
8	190	134834	1110	21	13	51704.6	51719	-14.4	51709.4	51722.3	-12.9	7.9
8	190	134848	1112	21	12	51704.2	51718.6	-14.4	51708.6	51721.5	-12.9	7.2
8	190	134903	1114	21	11	51703.2	51717.6	-14.4	51707.8	51720.6	-12.8	7.5
8	190	134918	1116	21	10	51702.2	51716.5	-14.3	51706.6	51719.4	-12.8	7.2
8	190	134932	1118	21	9	51701.6	51715.9	-14.3	51706.8	51719.6	-12.8	8.5
8	190	134946	1120	21	8	51699.8	51714.1	-14.3	51703.4	51716.2	-12.8	5.9
8	190	134959	1122	21	7	51696.8	51711.1	-14.3	51697.6	51710.3	-12.7	1.3
8	190	135014	1124	21	6	51691.8	51706	-14.2	51691.6	51704.3	-12.7	-0.3
8	190	135027	1126	21	5	51685.2	51699.4	-14.2	51681.0	51693.7	-12.7	-6.9
8	190	135040	1128	21	4	51674.0	51688.2	-14.2	51668.2	51680.9	-12.7	-9.5
8	190	135054	1130	21	3	51660.0	51674.2	-14.2	51648.4	51661.0	-12.6	-19.0
8	190	135108	1132	21	2	51638.2	51652.4	-14.2	51615.8	51628.4	-12.6	-36.7
8	190	135124	1134	21	1	51593.6	51607.7	-14.1	51547.0	51559.6	-12.6	-76.4
8	190	135139	1136	21	0	51508.8	51522.9	-14.1	51383.0	51395.5	-12.5	-206.2
9	190	140412	1140	24	0	51557.6	51567.6	-10.0	51441.6	51450.2	-8.6	-190.2
9	190	140425	1142	24	1	51620.2	51630	-9.8	51566.0	51574.4	-8.4	-88.9
9	190	140438	1144	24	2	51656.0	51665.7	-9.7	51610.6	51618.9	-8.3	-74.4
9	190	140455	1146	24	3	51688.4	51698	-9.6	51649.0	51657.2	-8.2	-64.6
9	190	140508	1148	24	4	51710.2	51719.7	-9.5	51683.0	51691.1	-8.1	-44.6
9	190	140527	1150	24	5	51720.4	51729.8	-9.4	51687.0	51695.0	-8.0	-54.8
9	190	140540	1152	24	6	51725.0	51734.3	-9.3	51699.8	51707.8	-8.0	-41.3
9	190	140554	1154	24	7	51723.0	51732.2	-9.2	51704.2	51712.1	-7.9	-30.8
9	190	140607	1156	24	8	51722.6	51731.8	-9.2	51705.6	51713.4	-7.8	-27.9
9	190	140623	1158	24	9	51723.8	51732.9	-9.1	51706.6	51714.3	-7.7	-28.2
9	190	140635	1160	24	10	51723.8	51732.8	-9.0	51710.8	51718.4	-7.6	-21.3
9	190	140650	1162	24	11	51722.8	51731.7	-8.9	51712.0	51719.5	-7.5	-17.7
9	190	140703	1164	24	12	51723.8	51732.6	-8.8	51713.0	51720.5	-7.5	-17.7
9	190	140716	1166	24	13	51723.4	51732.2	-8.8	51712.8	51720.2	-7.4	-17.4
9	190	140735	1168	24	14	51723.2	51731.8	-8.6	51707.6	51714.9	-7.3	-25.6
9	190	140755	1170	24	15	51722.8	51731.3	-8.5	51712.6	51719.8	-7.2	-16.7
9	190	140810	1172	24	16	51718.8	51727.2	-8.4	51708.6	51715.7	-7.1	-16.7
9	190	140825	1174	24	17	51715.8	51724.1	-8.3	51705.6	51712.6	-7.0	-16.7
9	190	140839	1176	24	18	51712.4	51720.6	-8.2	51702.8	51709.7	-6.9	-15.7
9	190	140851	1178	24	19	51708.8	51717	-8.2	51698.2	51705.1	-6.9	-17.4
9	190	140905	1180	24	20	51706.8	51714.9	-8.1	51695.8	51702.6	-6.8	-18.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
9	190	140919	1182	24	21	51703.8	51711.8	-8.0	51693.2	51699.9	-6.7	-17.4
9	190	140932	1184	24	22	51701.0	51708.9	-7.9	51689.0	51695.6	-6.6	-19.7
9	190	140947	1186	24	23	51696.0	51703.8	-7.8	51684.6	51691.1	-6.5	-18.7
9	190	141011	1188	24	24	51690.0	51697.7	-7.7	51679.0	51685.4	-6.4	-18.0
9	190	141024	1190	24	25	51683.0	51690.6	-7.6	51671.6	51677.9	-6.3	-18.7
9	190	141041	1192	24	26	51677.2	51684.7	-7.5	51664.8	51671.0	-6.2	-20.3
9	190	141055	1194	24	27	51665.2	51672.6	-7.4	51649.4	51655.5	-6.1	-25.9
9	190	141108	1196	24	28	51656.4	51663.7	-7.3	51635.6	51641.7	-6.1	-34.1
9	190	141123	1198	24	29	51648.0	51655.3	-7.3	51623.0	51629.0	-6.0	-41.0
9	190	141136	1200	24	30	51639.6	51646.8	-7.2	51613.2	51619.1	-5.9	-43.3
9	190	141149	1202	24	31	51629.4	51636.5	-7.1	51602.0	51607.8	-5.8	-44.9
9	190	141204	1204	24	32	51615.4	51622.4	-7.0	51587.2	51592.9	-5.7	-46.2
9	190	141218	1206	24	33	51587.2	51594.1	-6.9	51561.2	51566.9	-5.7	-42.6
9	190	141232	1208	24	34	51537.0	51543.8	-6.8	51514.0	51519.6	-5.6	-37.7
9	190	141246	1210	24	35	51458.2	51465	-6.8	51399.6	51405.1	-5.5	-96.1
9	190	141301	1212	24	36	51367.0	51373.7	-6.7	51099.4	51104.8	-5.4	-438.7
9	190	141316	1214	24	37	51387.8	51394.4	-6.6	50773.8	50779.1	-5.3	-1006.6
9	190	141334	1216	24	38	51503.8	51510.3	-6.5	51250.6	51255.8	-5.2	-415.1
9	190	141350	1218	24	39	51590.0	51596.4	-6.4	51484.2	51489.3	-5.1	-173.4
9	190	141407	1220	24	40	51642.2	51648.5	-6.3	51571.0	51576.0	-5.0	-116.7
9	190	141423	1222	24	41	51682.4	51688.6	-6.2	51703.2	51708.1	-4.9	34.1
9	190	141438	1224	24	42	51673.0	51679.1	-6.1	51581.4	51586.3	-4.9	-150.2
9	190	141451	1226	24	43	51707.2	51713.2	-6.0	51485	51489.8	-4.8	-364.3
9	190	141507	1228	24	44	51793.6	51799.5	-5.9	51945.4	51950.1	-4.7	248.9
9	190	141523	1230	24	45	51764.2	51770	-5.8	51873.8	51878.4	-4.6	179.7
9	190	141537	1232	24	46	51652.0	51657.7	-5.7	51714.2	51718.7	-4.5	102.0
9	190	141552	1234	24	47	51489.2	51494.8	-5.6	51484.8	51489.2	-4.4	-7.2
9	190	141606	1236	24	48	51273.2	51278.7	-5.5	51241.4	51245.8	-4.4	-52.1
9	190	141621	1238	24	49	50983.8	50989.3	-5.5	50761.2	50765.5	-4.3	-364.9
9	190	141638	1240	24	50	50717.6	50723	-5.4	50055.8	50060.0	-4.2	-1084.9
9	190	141653	1242	24	51	50662.8	50668.1	-5.3	50058	50062.1	-4.1	-991.5
9	190	141708	1244	24	52	50759.4	50764.6	-5.2	50007.2	50011.2	-4.0	-1233.1
9	190	141722	1246	24	53	51194.8	51199.9	-5.1	50063.2	50067.1	-3.9	-1855.1
9	190	141737	1248	24	54	52687.2	52692.2	-5.0	58564.6	58568.4	-3.8	9635.1
9	190	141751	1250	24	55	54125.2	54130.1	-4.9	519452.6	519456.3	-3.7	#####
9	190	141807	1252	24	56	54383.2	54388	-4.8	58589.4	58593.1	-3.7	6895.4
9	190	141826	1254	24	57	53431.2	53435.9	-4.7	53679.6	53683.1	-3.5	407.2
9	190	141842	1256	24	58	52632.6	52637.2	-4.6	52392.6	52396.1	-3.5	-393.4
9	190	141901	1258	24	59	52172.8	52177.3	-4.5	51987.4	51990.7	-3.3	-303.9
9	190	141914	1260	24	60	51972.6	51977	-4.4	51838.8	51842.1	-3.3	-219.3
9	190	141930	1262	24	61	51865.0	51869.3	-4.3	51771.8	51775.0	-3.2	-152.8
9	190	141945	1264	24	62	51811.0	51815.2	-4.2	51743.0	51746.1	-3.1	-111.5
9	190	142000	1266	24	63	51777.8	51781.9	-4.1	51723.8	51726.8	-3.0	-88.5
9	190	142015	1268	24	64	51747.0	51751	-4.0	51709.6	51712.5	-2.9	-61.3
9	190	142029	1270	24	65	51728.4	51732.4	-4.0	51695.4	51698.2	-2.8	-54.1
9	190	142042	1272	24	66	51703.8	51707.7	-3.9	51678.8	51681.6	-2.8	-41.0
9	190	142056	1274	24	67	51673.0	51676.8	-3.8	51655.6	51658.3	-2.7	-28.5
9	190	142110	1276	24	68	51619.4	51623.1	-3.7	51613.8	51616.4	-2.6	-9.2
9	190	142125	1278	24	69	51514.6	51518.2	-3.6	51548.4	51550.9	-2.5	55.4

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
9	190	142138	1280	24	70	51286.0	51289.5	-3.5	751399.4	51401.8	-2.4	185.9
9	190	142151	1282	24	71	751082.2	51085.7	-3.5	51092.0	51094.4	-2.4	16.1
9	190	142206	1284	24	72	51435.6	51439	-3.4	51381.8	51384.1	-2.3	-88.2
9	190	142220	1286	24	73	51603.8	51607.1	-3.3	51548.2	51550.4	-2.2	-91.2
10	190	142921	1288	27	73	51594.6	51595.3	-0.7	51568.0	51567.8	0.2	-43.6
10	190	142955	1290	27	72	751246.8	51247.3	-0.5	750983.6	50983.2	0.4	-431.5
10	190	143014	1292	27	71	750669.6	50670	-0.4	750649.8	50649.3	0.5	-32.5
10	190	143029	1294	27	70	51162.8	51163.1	-0.3	751320	51319.4	0.6	257.7
10	190	143044	1296	27	69	51493.4	51493.6	-0.2	51550.2	51549.5	0.7	93.1
10	190	143058	1298	27	68	51616.6	51616.8	-0.2	51636.4	51635.6	0.8	32.5
10	190	143111	1300	27	67	51676.0	51676.1	-0.1	51678.4	51677.5	0.9	3.9
10	190	143125	1302	27	66	51708.4	51708.4	0.0	51701.6	51700.7	0.9	-11.1
10	190	143141	1304	27	65	51737.2	51737.1	0.1	51720.2	51719.2	1.0	-27.9
10	190	143156	1306	27	64	51765.0	51764.8	0.2	51739.4	51738.3	1.1	-42.0
10	190	143211	1308	27	63	51797.2	51796.9	0.3	51758.2	51757.0	1.2	-63.9
10	190	143225	1310	27	62	51843.0	51842.6	0.4	51788.0	51786.7	1.3	-90.2
10	190	143239	1312	27	61	51918.8	51918.3	0.5	51839.4	51838.0	1.4	-130.2
10	190	143255	1314	27	60	52064.4	52063.8	0.6	51954.0	51952.5	1.5	-181.0
10	190	143309	1316	27	59	52302.2	52301.6	0.6	752157	52155.5	1.5	-238.0
10	190	143325	1318	27	58	52771.2	52770.5	0.7	752652.4	52650.8	1.6	-194.7
10	190	143343	1320	27	57	753473	53472.2	0.8	753939.8	53938.1	1.7	765.2
10	190	143358	1322	27	56	753960.2	53959.3	0.9	755592.6	55590.8	1.8	2676.1
10	190	143413	1324	27	55	753241.8	53240.8	1.0	753493.2	53491.3	1.9	412.1
10	190	143428	1326	27	54	752057.6	52056.5	1.1	751463.8	51461.8	2.0	-973.4
10	190	143443	1328	27	53	751406.8	51405.6	1.2	51170.8	51168.7	2.1	-386.9
10	190	143501	1330	27	52	751144.6	51143.3	1.3	51014.0	51011.8	2.2	-214.1
10	190	143516	1332	27	51	750882.6	50881.2	1.4	750450.2	50447.9	2.3	-708.9
10	190	143533	1334	27	50	750763.6	50762.1	1.5	750195	50192.6	2.4	-932.1
10	190	143601	1336	27	49	750963.6	50961.9	1.7	750762.6	50760.1	2.5	-329.5
10	190	143619	1338	27	48	51223.0	51221.2	1.8	51167.8	51165.2	2.6	-90.5
10	190	143636	1340	27	47	51427.2	51425.3	1.9	51411.6	51408.9	2.7	-25.6
10	190	143652	1342	27	46	51589.4	51587.4	2.0	51615.2	51612.4	2.8	42.3
10	190	143705	1344	27	45	51719.0	51716.9	2.1	51811.4	51808.5	2.9	151.5
10	190	143719	1346	27	44	51790.8	51788.6	2.2	51904.0	51901.0	3.0	185.6
10	190	143734	1348	27	43	51815.4	51813.2	2.2	751972.4	51969.3	3.1	257.4
10	190	143753	1350	27	42	51775.2	51772.8	2.4	751920.8	51917.6	3.2	238.7
10	190	143809	1352	27	41	51692.0	51689.5	2.5	51634.4	51631.1	3.3	-94.4
10	190	143825	1354	27	40	51694.2	51691.7	2.5	51751.2	51747.8	3.4	93.4
10	190	143843	1356	27	39	51685.6	51682.9	2.7	751822	51818.5	3.5	223.6
10	190	143900	1358	27	38	51564.6	51561.8	2.8	751229.4	51225.8	3.6	-549.5
10	190	143914	1360	27	37	51596.4	51593.6	2.8	751161.8	51158.2	3.6	-712.5
10	190	143931	1362	27	36	51718.0	51715.1	2.9	751783.2	51779.5	3.7	106.9
10	190	143946	1364	27	35	51588.4	51585.4	3.0	751362.2	51358.4	3.8	-370.8
10	190	143958	1366	27	34	51575.6	51572.5	3.1	51469.2	51465.3	3.9	-174.4
10	190	144012	1368	27	33	51659.0	51655.8	3.2	51591.2	51587.2	4.0	-111.1
10	190	144025	1370	27	32	51772.0	51768.7	3.3	51707.2	51703.1	4.1	-106.2
10	190	144040	1372	27	31	51843.0	51839.6	3.4	751747.6	51743.5	4.1	-156.4
10	190	144054	1374	27	30	51755.4	51751.9	3.5	751596.6	51592.4	4.2	-260.3
10	190	144114	1376	27	29	51651.0	51647.4	3.6	751509.8	51505.5	4.3	-231.5

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
10	190	144137	1378	27	28	51615.4	51611.7	3.7	51543.0	51538.5	4.5	-118.7
10	190	144154	1380	27	27	51621.4	51617.6	3.8	51587.0	51582.4	4.6	-56.4
10	190	144212	1382	27	26	51637.0	51633.1	3.9	51625.4	51620.7	4.7	-19.0
10	190	144225	1384	27	25	51653.6	51649.6	4.0	51651.4	51646.7	4.7	-3.6
10	190	144240	1386	27	24	51664.8	51660.7	4.1	51667.8	51663.0	4.8	4.9
10	190	144253	1388	27	23	51672.6	51668.4	4.2	51679.4	51674.5	4.9	11.1
10	190	144307	1390	27	22	51679.6	51675.3	4.3	51687.2	51682.2	5.0	12.5
10	190	144323	1392	27	21	51685.8	51681.4	4.4	51693.4	51688.3	5.1	12.5
10	190	144338	1394	27	20	51690.0	51685.6	4.4	51693.2	51688.0	5.2	5.2
10	190	144356	1396	27	19	51683.8	51679.2	4.6	51556.4	51551.1	5.3	-208.9
10	190	144411	1398	27	18	51686.8	51682.2	4.6	51674.6	51669.2	5.4	-20.0
10	190	144425	1400	27	17	51698.8	51694.1	4.7	51709.8	51704.4	5.4	18.0
10	190	144440	1402	27	16	51704.8	51700	4.8	51715.8	51710.3	5.5	18.0
10	190	144454	1404	27	15	51709.8	51704.9	4.9	51720.8	51715.2	5.6	18.0
10	190	144508	1406	27	14	51712.6	51707.6	5.0	51719.6	51713.9	5.7	11.5
10	190	144523	1408	27	13	51714.0	51708.9	5.1	51720.0	51714.2	5.8	9.8
10	190	144546	1410	27	12	51716.0	51710.8	5.2	51726.4	51720.5	5.9	17.1
10	190	144559	1412	27	11	51716.4	51711.1	5.3	51723.0	51717.0	6.0	10.8
10	190	144613	1414	27	10	51716.6	51711.2	5.4	51731.8	51725.7	6.1	24.9
10	190	144627	1416	27	9	51711.2	51705.7	5.5	51716.6	51710.5	6.1	8.9
10	190	144643	1418	27	8	51701.4	51695.8	5.6	51701.4	51695.2	6.2	0.0
10	190	144657	1420	27	7	51677.0	51671.4	5.6	51652.0	51645.7	6.3	-41.0
10	190	144712	1422	27	6	51667.0	51661.3	5.7	51498	51491.6	6.4	-277.0
10	190	144727	1424	27	5	51897	51891.2	5.8	514373.4	514366.9	6.5	4059.7
10	190	144747	1426	27	4	52026.8	52020.9	5.9	513271	513264.4	6.6	2039.7
10	190	144802	1428	27	3	51811.4	51805.4	6.0	51729.6	51722.9	6.7	-134.1
10	190	144818	1430	27	2	51684.6	51678.5	6.1	51626.0	51619.2	6.8	-96.1
10	190	144834	1432	27	1	51636.6	51630.4	6.2	51586.8	51579.9	6.9	-81.6
10	190	144849	1434	27	0	51582.8	51576.5	6.3	51465.8	51458.8	7.0	-191.8
11	190	151143	1438	30	0	51609.8	51597.1	12.7	51531.6	51518.0	13.6	-128.2
11	190	151159	1440	30	1	51658.6	51645.5	13.1	51620.4	51606.3	14.1	-62.6
11	190	151213	1442	30	2	51691.0	51677.8	13.2	51669.2	51655.1	14.1	-35.7
11	190	151226	1444	30	3	51707.0	51693.7	13.3	51694.0	51679.8	14.2	-21.3
11	190	151239	1446	30	4	51707.4	51694.1	13.3	51694.0	51679.7	14.3	-22.0
11	190	151257	1448	30	5	51699.6	51686.2	13.4	51681.6	51667.3	14.3	-29.5
11	190	151311	1450	30	6	51702.4	51688.9	13.5	51688.0	51673.6	14.4	-23.6
11	190	151323	1452	30	7	51713.8	51700.3	13.5	51707.6	51693.1	14.5	-10.2
11	190	151338	1454	30	8	51730.4	51716.8	13.6	51734.4	51719.9	14.5	6.6
11	190	151351	1456	30	9	51743.0	51729.3	13.7	51754.6	51740.0	14.6	19.0
11	190	151405	1458	30	10	51746.6	51732.8	13.8	51751.8	51737.1	14.7	8.5
11	190	151418	1460	30	11	51744.2	51730.4	13.8	51750.2	51735.4	14.8	9.8
11	190	151432	1462	30	12	51740.6	51726.7	13.9	51749.8	51735.0	14.8	15.1
11	190	151447	1464	30	13	51734.0	51720	14.0	51745.8	51730.9	14.9	19.3
11	190	151502	1466	30	14	51725.6	51711.6	14.0	51739.4	51724.4	15.0	22.6
11	190	151514	1468	30	15	51718.0	51703.9	14.1	51729.4	51714.4	15.0	18.7
11	190	151528	1470	30	16	51708.8	51694.6	14.2	51719.8	51704.7	15.1	18.0
11	190	151541	1472	30	17	51703.4	51689.2	14.2	51710.0	51694.8	15.2	10.8
11	190	151554	1474	30	18	51698.8	51684.5	14.3	51705.0	51689.8	15.2	10.2
11	190	151607	1476	30	19	51696.8	51682.5	14.3	51702.6	51687.3	15.3	9.5

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
11	190	151620	1478	30	20	51694.0	51679.6	14.4	51698.4	51683.0	15.4	7.2
11	190	151634	1480	30	21	51691.6	51677.1	14.5	51693.6	51678.2	15.4	3.3
11	190	151647	1482	30	22	51688.0	51673.5	14.5	51687.6	51672.1	15.5	-0.7
11	190	151700	1484	30	23	51682.2	51667.6	14.6	51680.4	51664.8	15.6	-2.9
11	190	151715	1486	30	24	51676.0	51661.3	14.7	51669.8	51654.2	15.6	-10.2
11	190	151749	1488	30	25	51671.8	51657	14.8	51657.6	51641.8	15.8	-23.3
11	190	151803	1490	30	26	51656.4	51641.5	14.9	51636.2	51620.3	15.9	-33.1
11	190	151817	1492	30	27	51649.8	51634.8	15.0	51597.6	51581.6	16.0	-85.6
11	190	151832	1494	30	28	51673.2	51658.2	15.0	51569.8	51553.8	16.0	-169.5
11	190	151846	1496	30	29	51829.4	51814.3	15.1	751662.2	51646.1	16.1	-274.1
11	190	151928	1498	30	30	752117.8	52102.5	15.3	752208.4	52192.1	16.3	148.5
11	190	152000	1500	30	31	752308.8	52293.3	15.5	752650.4	52633.9	16.5	560.0
11	190	152021	1502	30	32	52086.6	52071	15.6	752137.2	52120.6	16.6	82.9
11	190	152034	1504	30	33	51825.0	51809.4	15.6	51731.6	51715.0	16.6	-153.1
11	190	152048	1506	30	34	51683.8	51668.1	15.7	51568.0	51551.3	16.7	-189.8
11	190	152103	1508	30	35	51636.4	51620.6	15.8	51504.6	51487.8	16.8	-216.1
11	190	152118	1510	30	36	51633.6	51617.8	15.8	751466.2	51449.3	16.9	-274.4
11	190	152131	1512	30	37	51650.2	51634.3	15.9	51566.6	51549.7	16.9	-137.0
11	190	152145	1514	30	38	51642.0	51626	16.0	51580.6	51563.6	17.0	-100.7
11	190	152159	1516	30	39	51633.4	51617.4	16.0	51568.8	51551.7	17.1	-105.9
11	190	152212	1518	30	40	51675.2	51659.1	16.1	51669.4	51652.3	17.1	-9.5
11	190	152225	1520	30	41	51731.2	51715	16.2	51776.6	51759.4	17.2	74.4
11	190	152238	1522	30	42	51766.4	51750.2	16.2	51820.8	51803.5	17.3	89.2
11	190	152251	1524	30	43	51773.8	51757.5	16.3	51801.4	51784.1	17.3	45.2
11	190	152305	1526	30	44	51765.6	51749.3	16.3	51805.2	51787.8	17.4	64.9
11	190	152319	1528	30	45	51735.8	51719.4	16.4	51797.6	51780.1	17.5	101.3
11	190	152331	1530	30	46	51658.0	51641.5	16.5	51722.6	51705.1	17.5	105.9
11	190	152345	1532	30	47	51514.8	51498.3	16.5	51569.8	51552.2	17.6	90.2
11	190	152400	1534	30	48	51279.6	51263	16.6	51211.8	51194.1	17.7	-111.1
11	190	152413	1536	30	49	751028.4	51011.7	16.7	750799.8	50782.0	17.8	-374.8
11	190	152438	1538	30	50	750804.4	50787.6	16.8	750252.2	50234.3	17.9	-905.3
11	190	152452	1540	30	51	750836.4	50819.5	16.9	750261.4	50243.5	17.9	-942.6
11	190	152506	1542	30	52	751130	51113.1	16.9	50945.2	50927.2	18.0	-303.0
11	190	152520	1544	30	53	751457.2	51440.2	17.0	751091.8	51073.7	18.1	-599.0
11	190	152534	1546	30	54	752096.6	52079.5	17.1	751790.2	51772.0	18.2	-502.3
11	190	152552	1548	30	55	753084.6	53067.4	17.2	756052.4	56034.2	18.2	4865.2
11	190	152622	1550	30	56	753809	53791.7	17.3	755369.2	55350.8	18.4	2557.7
11	190	152643	1552	30	57	753387.6	53370.2	17.4	758507	58488.5	18.5	8392.5
11	190	152658	1554	30	58	752898.8	52881.3	17.5	752809	52790.4	18.6	-147.2
11	190	152712	1556	30	59	52402.4	52384.9	17.5	752232.2	52213.6	18.6	-279.0
11	190	152725	1558	30	60	52132.4	52114.8	17.6	51987.2	51968.5	18.7	-238.0
11	190	152746	1560	30	61	51986.6	51968.9	17.7	51878.6	51859.8	18.8	-177.0
11	190	152837	1562	30	62	51907.4	51889.5	17.9	51838.2	51819.1	19.1	-113.4
11	190	152848	1564	30	63	51848.4	51830.4	18.0	51798.8	51779.7	19.1	-81.3
11	190	152903	1566	30	64	51806.4	51788.3	18.1	51767.2	51748.0	19.2	-64.3
11	190	152915	1568	30	65	51772.2	51754.1	18.1	51744.0	51724.7	19.3	-46.2
11	190	152928	1570	30	66	51747.8	51729.6	18.2	51726.6	51707.3	19.3	-34.8
11	190	152940	1572	30	67	51718.8	51700.6	18.2	51704.0	51684.6	19.4	-24.3
11	190	152952	1574	30	68	51674.2	51655.9	18.3	51669.4	51649.9	19.5	-7.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
12	195	93546	1580	33	68	51590.2	51582.1	8.1	51615.6	51608.5	7.1	41.6
12	195	93614	1582	33	67	51666.8	51658.9	7.9	51668.8	51661.8	7.0	3.3
12	195	93627	1584	33	66	51702.0	51694.1	7.9	51682.6	51675.7	6.9	-31.8
12	195	93642	1586	33	65	51733.8	51726	7.8	51710.6	51703.7	6.9	-38.0
12	195	93710	1588	33	64	51765.8	51758.1	7.7	51740.8	51734.0	6.8	-41.0
12	195	93722	1590	33	63	51799.0	51791.3	7.7	51762.4	51755.7	6.7	-60.0
12	195	93735	1592	33	62	51843.0	51835.4	7.6	51794.0	51787.3	6.7	-80.3
12	195	93747	1594	33	61	51901.6	51894.1	7.5	51835.8	51829.2	6.6	-107.9
12	195	93829	1596	33	60	51997.6	51990.2	7.4	51902.8	51896.4	6.4	-155.4
12	195	93842	1598	33	59	52181.6	52174.3	7.3	52058.2	52051.8	6.4	-202.3
12	195	93855	1600	33	58	52519.6	52512.4	7.2	52464.2	52457.9	6.3	-90.8
12	195	93909	1602	33	57	53083.4	53076.2	7.2	53579.8	53573.5	6.3	813.8
12	195	94047	1604	33	56	53215.2	53208.4	6.8	53957.2	53951.3	5.9	1216.4
12	195	94101	1606	33	55	52461.6	52454.9	6.7	52355.8	52350.0	5.8	-173.4
12	195	94115	1608	33	54	521631.4	51624.8	6.6	50892.8	50887.0	5.8	-1210.8
12	195	94130	1610	33	53	521279.6	51273	6.6	50840	50834.3	5.7	-720.7
12	195	94144	1612	33	52	51217.4	51210.9	6.5	51449.8	51444.1	5.7	381.0
12	195	94158	1614	33	51	51042.6	51036.1	6.5	50907.8	50902.2	5.6	-221.0
12	195	94210	1616	33	50	50965.6	50959.2	6.4	50689.2	50683.6	5.6	-453.1
12	195	94223	1618	33	49	51102.6	51096.3	6.3	51028.0	51022.5	5.5	-122.3
12	195	94234	1620	33	48	51302.6	51296.3	6.3	51330.8	51325.3	5.5	46.2
12	195	94246	1622	33	47	51476.4	51470.2	6.2	51481.6	51476.2	5.4	8.5
12	195	94259	1624	33	46	51629.6	51623.4	6.2	51692.6	51687.2	5.4	103.3
12	195	94319	1626	33	45	51753.2	51747.1	6.1	51890.2	51884.9	5.3	224.6
12	195	94331	1628	33	44	51815.0	51809	6.0	51962.0	51956.8	5.2	241.0
12	195	94344	1630	33	43	51833.8	51827.8	6.0	52018	52012.8	5.2	302.0
12	195	94358	1632	33	42	51798.8	51792.9	5.9	51955	51949.9	5.1	256.1
12	195	94410	1634	33	41	51729.6	51723.7	5.9	51747.0	51741.9	5.1	28.5
12	195	94426	1636	33	40	51684.8	51679	5.8	51671.0	51666.0	5.0	-22.6
12	195	94438	1638	33	39	51687.6	51681.8	5.8	51656.8	51651.8	5.0	-50.5
12	195	94450	1640	33	38	51797.6	51791.9	5.7	51848.6	51843.7	4.9	83.6
12	195	94502	1642	33	37	52013.4	52007.7	5.7	52506.6	52501.7	4.9	10644.6
12	195	94550	1644	33	36	51885.0	51879.6	5.4	51852.6	51847.9	4.7	-53.1
12	195	94611	1646	33	35	51811.6	51806.2	5.4	52087.8	52083.2	4.6	452.8
12	195	94623	1648	33	34	51773.6	51768.3	5.3	51975.8	51971.3	4.5	331.5
12	195	94644	1650	33	33	51648.2	51643	5.2	51550.0	51545.6	4.4	-161.0
12	195	94657	1652	33	32	51629.4	51624.2	5.2	51561.2	51556.8	4.4	-111.8
12	195	94709	1654	33	31	51642.4	51637.3	5.1	51598.6	51594.3	4.3	-71.8
12	195	94721	1656	33	30	51647.2	51642.1	5.1	51613.0	51608.7	4.3	-56.1
12	195	94733	1658	33	29	51642.6	51637.6	5.0	51617.0	51612.8	4.2	-42.0
12	195	94745	1660	33	28	51639.4	51634.5	4.9	51624.8	51620.6	4.2	-23.9
12	195	94802	1662	33	27	51639.8	51634.9	4.9	51629.8	51625.7	4.1	-16.4
12	195	94815	1664	33	26	51641.6	51636.8	4.8	51645.4	51641.3	4.1	6.2
12	195	94836	1666	33	25	51640.2	51635.5	4.7	51646.4	51642.4	4.0	10.2
12	195	94849	1668	33	24	51638.6	51633.9	4.7	51643.2	51639.3	3.9	7.5
12	195	94903	1670	33	23	51633.0	51628.4	4.6	51641.2	51637.3	3.9	13.4
12	195	94915	1672	33	22	51625.8	51621.2	4.6	51637.6	51633.8	3.8	19.3
12	195	94933	1674	33	21	51616.4	51611.9	4.5	51626.0	51622.2	3.8	15.7
12	195	94946	1676	33	20	51606.6	51602.2	4.4	51624.0	51620.3	3.7	28.5

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
12	195	94959	1678	33	19	51600.2	51595.8	4.4	51647.8	51644.1	3.7	78.0
12	195	95014	1680	33	18	51593.8	51589.5	4.3	51624.4	51620.8	3.6	50.2
12	195	95028	1682	33	17	51600.8	51596.6	4.2	51633.6	51630.1	3.5	53.8
12	195	95039	1684	33	16	51616.4	51612.2	4.2	51658.4	51654.9	3.5	68.9
12	195	95051	1686	33	15	51643.6	51639.5	4.1	51706.6	51703.2	3.4	103.3
12	195	95106	1688	33	14	51664.2	51660.1	4.1	51707.4	51704.0	3.4	70.8
12	195	95120	1690	33	13	51687.8	51683.8	4.0	51723.0	51719.7	3.3	57.7
12	195	95132	1692	33	12	51717.8	51713.8	4.0	51763.8	51760.5	3.3	75.4
12	195	95144	1694	33	11	51739.6	51735.7	3.9	51793.6	51790.4	3.2	88.5
12	195	95157	1696	33	10	51747.4	51743.5	3.9	51793.6	51790.4	3.2	75.7
12	195	95211	1698	33	9	51743.8	51740	3.8	51760.8	51757.7	3.1	27.9
12	195	95223	1700	33	8	51739.4	51735.7	3.7	51775.6	51772.5	3.1	59.3
12	195	95235	1702	33	7	51725.2	51721.5	3.7	51728.0	51725.0	3.0	4.6
12	195	95258	1704	33	6	51718.0	51714.4	3.6	51724.8	51721.9	2.9	11.1
12	195	95309	1706	33	5	51711.2	51707.7	3.5	51714.0	51711.1	2.9	4.6
12	195	95321	1708	33	4	51700.6	51697.1	3.5	51698.8	51696.0	2.8	-3.0
12	195	95332	1710	33	3	51685.8	51682.4	3.4	51677.6	51674.8	2.8	-13.4
12	195	95345	1712	33	2	51660.8	51657.4	3.4	51641.8	51639.1	2.7	-31.1
12	195	95357	1714	33	1	51622.2	51618.9	3.3	51576.2	51573.5	2.7	-75.4
12	195	95412	1716	33	0	51544.0	51540.7	3.3	51370.8	51368.2	2.6	-283.9
13	195	95844	1720	36	0	51459.2	51456.3	2.9	51293.8	51291.5	2.3	-271.1
13	195	95903	1722	36	1	51592.4	51589.9	2.5	51529.8	51527.9	1.9	-102.6
13	195	95916	1724	36	2	51650.8	51648.3	2.5	51622.0	51620.1	1.9	-47.2
13	195	95929	1726	36	3	51679.6	51677.2	2.4	51666.0	51664.1	1.9	-22.3
13	195	95942	1728	36	4	51702.8	51700.4	2.4	51696.6	51694.8	1.8	-10.2
13	195	95955	1730	36	5	51719.6	51717.2	2.4	51720.4	51718.6	1.8	1.3
13	195	100007	1732	36	6	51735.0	51732.6	2.4	51750.0	51748.2	1.8	24.6
13	195	100019	1734	36	7	51745.8	51743.5	2.3	51765.0	51763.2	1.8	31.5
13	195	100032	1736	36	8	51756.2	51753.9	2.3	51782.6	51780.8	1.8	43.3
13	195	100045	1738	36	9	51763.2	51760.9	2.3	51811.4	51809.7	1.7	79.0
13	195	100057	1740	36	10	51758.6	51756.3	2.3	51829.6	51827.9	1.7	116.4
13	195	100109	1742	36	11	51737.8	51735.5	2.3	51825.8	51824.1	1.7	144.3
13	195	100123	1744	36	12	51684.0	51681.8	2.2	51840.6	51838.9	1.7	256.7
13	195	100146	1746	36	13	51564.6	51562.4	2.2	51747.4	51745.7	1.7	299.7
13	195	100208	1748	36	14	51395.8	51393.6	2.2	51593.6	51592.0	1.6	324.3
13	195	100230	1750	36	15	51231.2	51229.1	2.1	51446	51444.4	1.6	352.1
13	195	100243	1752	36	16	51139.6	51137.5	2.1	51300	51298.4	1.6	262.9
13	195	100258	1754	36	17	51168.0	51165.9	2.1	51283.2	51281.7	1.5	188.9
13	195	100310	1756	36	18	51254.8	51252.8	2.0	51324.0	51322.5	1.5	113.4
13	195	100324	1758	36	19	51350.4	51348.4	2.0	51399.0	51397.5	1.5	79.7
13	195	100337	1760	36	20	51436.2	51434.2	2.0	51459.0	51457.5	1.5	37.4
13	195	100350	1762	36	21	51502.4	51500.4	2.0	51519.2	51517.7	1.5	27.5
13	195	100402	1764	36	22	51558.2	51556.2	2.0	51566.0	51564.6	1.4	12.8
13	195	100416	1766	36	23	51596.0	51594.1	1.9	51598.6	51597.2	1.4	4.3
13	195	100428	1768	36	24	51619.6	51617.7	1.9	51620.4	51619.0	1.4	1.3
13	195	100441	1770	36	25	51634.6	51632.7	1.9	51634.0	51632.6	1.4	-1.0
13	195	100455	1772	36	26	51646.0	51644.1	1.9	51642.8	51641.4	1.4	-5.2
13	195	100508	1774	36	27	51650.2	51648.4	1.8	51646.8	51645.5	1.3	-5.6
13	195	100523	1776	36	28	51650.2	51648.4	1.8	51640.2	51638.9	1.3	-16.4

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
13	195	100535	1778	36	29	51650.6	51648.8	1.8	51663.6	51662.3	1.3	21.3
13	195	100547	1780	36	30	51645.2	51643.4	1.8	51653.4	51652.1	1.3	13.4
13	195	100559	1782	36	31	51626.8	51625	1.8	51616.2	51614.9	1.3	-17.4
13	195	100611	1784	36	32	51609.4	51607.7	1.7	51574.0	51572.8	1.2	-58.0
13	195	100625	1786	36	33	51598.2	51596.5	1.7	51582.0	51580.8	1.2	-26.6
13	195	100639	1788	36	34	51575.0	51573.3	1.7	51609.0	51607.8	1.2	55.7
13	195	100652	1790	36	35	51537.0	51535.3	1.7	51476.6	51475.4	1.2	-99.0
13	195	100707	1792	36	36	51510.6	51509	1.6	51421.2	51420.1	1.1	-146.6
13	195	100721	1794	36	37	51506.6	51505	1.6	51415.0	51413.9	1.1	-150.2
13	195	100734	1796	36	38	51493.2	51491.6	1.6	51379.8	51378.7	1.1	-185.9
13	195	100748	1798	36	39	51507.0	51505.4	1.6	51442.4	51441.3	1.1	-105.9
13	195	100803	1800	36	40	51576.4	51574.9	1.5	?51475.4	51474.3	1.1	-165.6
13	195	100816	1802	36	41	51669.0	51667.5	1.5	51760.0	51759.0	1.0	149.2
13	195	100829	1804	36	42	51684.8	51683.3	1.5	51685.4	51684.4	1.0	1.0
13	195	100842	1806	36	43	51673.8	51672.3	1.5	51776.2	51775.2	1.0	167.9
13	195	100904	1808	36	44	51633.8	51632.4	1.4	?51749.6	51748.6	1.0	189.8
13	195	100944	1810	36	45	51552.8	51551.4	1.4	51618.0	51617.1	0.9	106.9
13	195	101001	1812	36	46	51470.6	51469.3	1.3	51483.8	51482.9	0.9	21.6
13	195	101013	1814	36	47	51389.6	51388.3	1.3	51421.2	51420.4	0.8	51.8
13	195	101027	1816	36	48	51257.6	51256.3	1.3	51258.0	51257.2	0.8	0.7
13	195	101040	1818	36	49	51057.4	51056.1	1.3	50910.2	50909.4	0.8	-241.3
13	195	101054	1820	36	50	?50826.8	50825.6	1.2	?50413.4	50412.6	0.8	-677.7
13	195	101108	1822	36	51	?50761.8	50760.6	1.2	?50305.2	50304.4	0.8	-748.5
13	195	101121	1824	36	52	?50895.8	50894.6	1.2	?50472.2	50471.5	0.7	-694.4
13	195	101134	1826	36	53	?51197	51195.8	1.2	?50626.6	50625.9	0.7	-935.1
13	195	101148	1828	36	54	?51886	51884.9	1.1	?51724.6	51723.9	0.7	-264.6
13	195	101201	1830	36	55	?52991	52989.9	1.1	?54813	54812.3	0.7	2986.9
13	195	101220	1832	36	56	?53775.4	53774.3	1.1	?55453.8	55453.2	0.6	2751.5
13	195	101233	1834	36	57	?53540.2	53539.1	1.1	?56606.2	56605.6	0.6	5026.2
13	195	101248	1836	36	58	?53143.2	53142.2	1.0	?53295.2	53294.6	0.6	249.2
13	195	101301	1838	36	59	52587.2	52586.2	1.0	?52435.8	52435.2	0.6	-248.2
13	195	101313	1840	36	60	52243.2	52242.2	1.0	?52083.6	52083.0	0.6	-261.6
13	195	101330	1842	36	61	52041.0	52040	1.0	51936.2	51935.7	0.5	-171.8
13	195	101351	1844	36	62	51933.8	51932.9	0.9	51862.6	51862.1	0.5	-116.7
13	195	101403	1846	36	63	51860.8	51859.9	0.9	51801.6	51801.1	0.5	-97.0
13	195	101416	1848	36	64	51807.8	51806.9	0.9	51764.8	51764.3	0.5	-70.5
14	195	101723	1850	39	68	51704.6	51704	0.6	51692.4	51692.2	0.2	-20.0
14	195	101745	1852	39	67	51729.2	51728.7	0.5	51715.8	51715.7	0.1	-22.0
14	195	101759	1854	39	66	51757.6	51757.1	0.5	51736.2	51736.1	0.1	-35.1
14	195	101843	1856	39	65	51787.6	51787.2	0.4	51758.6	51758.6	0.0	-47.5
14	195	101916	1858	39	64	51826.2	51825.8	0.4	51787.0	51787.0	0.0	-64.3
14	195	101929	1860	39	63	51893.8	51893.5	0.3	51837.6	51837.6	0.0	-92.1
14	195	101949	1862	39	62	51986.6	51986.3	0.3	51916.2	51916.3	-0.1	-115.4
14	195	102246	1864	39	61	52083.6	52083.6	0.0	51994.8	51995.1	-0.3	-145.6
14	195	102259	1866	39	60	52289.4	52289.4	0.0	?52156.4	52156.8	-0.4	-218.0
14	195	102312	1868	39	59	52656.6	52656.6	0.0	?52577.4	52577.8	-0.4	-129.8
14	195	102337	1870	39	58	?53243.8	53243.9	-0.1	?53482.4	53482.8	-0.4	391.2
14	195	102350	1872	39	57	?53541.2	53541.3	-0.1	?54392.6	54393.0	-0.4	1395.7
14	195	102410	1874	39	56	?53352.2	53352.3	-0.1	?53885.4	53885.9	-0.5	874.1

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
14	195	102425	1876	39	55	752482	52482.2	-0.2	752453.8	52454.3	-0.5	-46.2
14	195	102438	1878	39	54	751604.4	51604.6	-0.2	750613.2	50613.7	-0.5	-1624.9
14	195	102453	1880	39	53	751201.8	51202	-0.2	750811.6	50812.1	-0.5	-639.7
14	195	102505	1882	39	52	750991.4	50991.6	-0.2	750859.8	50860.4	-0.6	-215.7
14	195	102519	1884	39	51	750813	50813.3	-0.3	750171.4	50172.0	-0.6	-1051.8
14	195	102533	1886	39	50	750909.8	50910.1	-0.3	750554.6	50555.2	-0.6	-582.3
14	195	102545	1888	39	49	51128.6	51128.9	-0.3	51044.2	51044.8	-0.6	-138.4
14	195	102558	1890	39	48	51287.4	51287.7	-0.3	51278.0	51278.6	-0.6	-15.4
14	195	102610	1892	39	47	51365.8	51366.2	-0.4	51325.8	51326.5	-0.7	-65.6
14	195	102622	1894	39	46	51386.4	51386.8	-0.4	51296.4	51297.1	-0.7	-147.5
14	195	102635	1896	39	45	51409.6	51410	-0.4	51343.8	51344.5	-0.7	-107.9
14	195	102646	1898	39	44	51396.8	51397.2	-0.4	51273.8	51274.5	-0.7	-201.6
14	195	102659	1900	39	43	51423.4	51423.8	-0.4	751263	51263.7	-0.7	-263.0
14	195	102711	1902	39	42	51529.6	51530.1	-0.5	51535.2	51536.0	-0.8	9.2
14	195	102723	1904	39	41	51575.6	51576.1	-0.5	51670.8	51671.6	-0.8	156.1
14	195	102741	1906	39	40	51442.8	51443.3	-0.5	51348.2	51349.0	-0.8	-155.1
14	195	102755	1908	39	39	51317.0	51317.5	-0.5	751105.2	51106.0	-0.8	-347.2
14	195	102807	1910	39	38	51293.0	51293.6	-0.6	51184.8	51185.7	-0.9	-177.4
14	195	102821	1912	39	37	51309.2	51309.8	-0.6	751341.4	51342.3	-0.9	52.8
14	195	102833	1914	39	36	51365.4	51366	-0.6	51296.8	51297.7	-0.9	-112.5
14	195	102857	1916	39	35	51473.8	51474.4	-0.6	51550.4	51551.3	-0.9	125.6
14	195	102910	1918	39	34	51541.0	51541.7	-0.7	51574.0	51574.9	-0.9	54.1
14	195	102933	1920	39	33	51589.2	51589.9	-0.7	51610.8	51611.8	-1.0	35.4
14	195	102945	1922	39	32	51617.0	51617.7	-0.7	51631.8	51632.8	-1.0	24.3
14	195	102957	1924	39	31	51639.2	51639.9	-0.7	51649.0	51650.0	-1.0	16.1
14	195	103008	1926	39	30	51654.8	51655.6	-0.8	51665.2	51666.2	-1.0	17.0
14	195	103020	1928	39	29	51666.2	51667	-0.8	51672.0	51673.1	-1.1	9.5
14	195	103031	1930	39	28	51669.6	51670.4	-0.8	51679.4	51680.5	-1.1	16.1
14	195	103042	1932	39	27	51677.6	51678.4	-0.8	51680.4	51681.5	-1.1	4.6
14	195	103054	1934	39	26	51673.8	51674.6	-0.8	51674.8	51675.9	-1.1	1.6
14	195	103106	1936	39	25	51662.8	51663.7	-0.9	51659.6	51660.7	-1.1	-5.2
14	195	103118	1938	39	24	51641.0	51641.9	-0.9	51633.6	51634.8	-1.2	-12.1
14	195	103129	1940	39	23	51603.4	51604.3	-0.9	51593.4	51594.6	-1.2	-16.4
14	195	103142	1942	39	22	51542.0	51542.9	-0.9	51527.4	51528.6	-1.2	-23.9
14	195	103156	1944	39	21	51427.4	51428.4	-1.0	51407.6	51408.8	-1.2	-32.5
14	195	103207	1946	39	20	51223.8	51224.8	-1.0	51198.0	51199.2	-1.2	-42.3
14	195	103220	1948	39	19	50869.8	50870.8	-1.0	50851.0	50852.3	-1.3	-30.8
14	195	103248	1950	39	18	750160.6	50161.6	-1.0	749992.2	49993.5	-1.3	-276.1
14	195	103314	1952	39	17	748856	48857.1	-1.1	748268.2	48269.5	-1.3	-963.6
14	195	103328	1954	39	16	747527.4	47528.5	-1.1	719516.2	19517.6	-1.4	-45920.0
14	195	103348	1956	39	15	746844.6	46845.8	-1.2	758592.6	58594.0	-1.4	19259.0
14	195	103412	1958	39	14	748835.6	48836.8	-1.2	752094	52095.4	-1.4	5341.6
14	195	103426	1960	39	13	750604.8	50606	-1.2	751325.8	51327.3	-1.5	1182.0
14	195	103439	1962	39	12	751363.8	51365	-1.2	751770.8	51772.3	-1.5	667.2
14	195	103452	1964	39	11	51638.0	51639.3	-1.3	751873.2	51874.7	-1.5	385.6
14	195	103503	1966	39	10	51714.4	51715.7	-1.3	51846.0	51847.5	-1.5	215.7
14	195	103515	1968	39	9	51736.0	51737.3	-1.3	51812.6	51814.1	-1.5	125.6
14	195	103527	1970	39	8	51738.8	51740.1	-1.3	51784.8	51786.3	-1.5	75.4
14	195	103539	1972	39	7	51731.8	51733.1	-1.3	51760.2	51761.8	-1.6	46.6

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
14	195	103550	1974	39	6	51721.0	51722.4	-1.4	51735.6	51737.2	-1.6	23.9
14	195	103602	1976	39	5	51704.8	51706.2	-1.4	51709.2	51710.8	-1.6	7.2
14	195	103613	1978	39	4	51685.0	51686.4	-1.4	51681.6	51683.2	-1.6	-5.6
14	195	103626	1980	39	3	51663.0	51664.4	-1.4	51652.6	51654.2	-1.6	-17.0
14	195	103639	1982	39	2	51630.0	51631.4	-1.4	51607.0	51608.7	-1.7	-37.7
14	195	103651	1984	39	1	51574.8	51576.3	-1.5	51520.4	51522.1	-1.7	-89.2
14	195	103704	1986	39	0	51492.0	51493.5	-1.5	51361.8	51363.5	-1.7	-213.4
15	195	103946	1990	42	0	51478.8	51480.4	-1.6	51323.4	51325.2	-1.8	-254.8
15	195	104239	1992	42	1	51561.8	51563.6	-1.8	51509.2	51511.2	-2.0	-86.2
15	195	104254	1994	42	2	51605.2	51607	-1.8	51595.2	51597.2	-2.0	-16.4
15	195	104313	1996	42	3	51586.0	51587.8	-1.8	51567.6	51569.6	-2.0	-30.2
15	195	104326	1998	42	4	51609.4	51611.2	-1.8	51210.8	51212.8	-2.0	-653.4
15	195	104413	2000	42	5	51844.6	51846.4	-1.8	52692.4	52694.4	-2.0	1389.8
15	195	104439	2002	42	6	51802.0	51803.8	-1.8	51894.2	51896.3	-2.1	151.1
15	195	104451	2004	42	7	51737.0	51738.8	-1.8	51751.6	51753.7	-2.1	23.9
15	195	104503	2006	42	8	51700.8	51702.6	-1.8	51713.6	51715.7	-2.1	21.0
15	195	104516	2008	42	9	51679.2	51681	-1.8	51746.8	51748.9	-2.1	110.8
15	195	104528	2010	42	10	51629.2	51631.1	-1.9	51698.0	51700.1	-2.1	112.8
15	195	104554	2012	42	11	51525.8	51527.7	-1.9	51623.4	51625.5	-2.1	160.0
15	195	104609	2014	42	12	51326.2	51328.1	-1.9	51462.4	51464.5	-2.1	223.3
15	195	104622	2016	42	13	50907.6	50909.5	-1.9	51085	51087.1	-2.1	290.8
15	195	104637	2018	42	14	50387.2	50389.1	-1.9	50346.6	50348.7	-2.1	-66.6
15	195	104702	2020	42	15	49818.2	49820.1	-1.9	49183.6	49185.7	-2.1	-1040.3
15	195	104715	2022	42	16	50067.8	50069.7	-1.9	49231.4	49233.6	-2.2	-1371.2
15	195	104729	2024	42	17	51214	51215.9	-1.9	52082.2	52084.4	-2.2	1423.3
15	195	104743	2026	42	18	52080	52081.9	-1.9	52325.6	52327.8	-2.2	402.6
15	195	104756	2028	42	19	52158	52159.9	-1.9	52120.4	52122.6	-2.2	-61.6
15	195	104810	2030	42	20	52103.6	52105.5	-1.9	51954.4	51956.6	-2.2	-244.6
15	195	104823	2032	42	21	52006.0	52008	-2.0	51890.6	51892.8	-2.2	-189.2
15	195	104836	2034	42	22	51927.6	51929.6	-2.0	51842.6	51844.8	-2.2	-139.3
15	195	104848	2036	42	23	51879.8	51881.8	-2.0	51829.0	51831.2	-2.2	-83.3
15	195	104859	2038	42	24	51850.2	51852.2	-2.0	51807.4	51809.6	-2.2	-70.2
15	195	104911	2040	42	25	51847.8	51849.8	-2.0	51841.8	51844.0	-2.2	-9.8
15	195	104925	2042	42	26	51835.6	51837.6	-2.0	51875.8	51878.0	-2.2	65.9
15	195	104937	2044	42	27	51784.8	51786.8	-2.0	51791.8	51794.0	-2.2	11.5
15	195	104951	2046	42	28	51742.0	51744	-2.0	51737.6	51739.9	-2.3	-7.2
15	195	105003	2048	42	29	51707.6	51709.6	-2.0	51704.4	51706.7	-2.3	-5.2
15	195	105015	2050	42	30	51681.0	51683	-2.0	51680.6	51682.9	-2.3	-0.7
15	195	105032	2052	42	31	51648.0	51650	-2.0	51655.2	51657.5	-2.3	11.8
15	195	105058	2054	42	32	51605.8	51607.8	-2.0	51618.4	51620.7	-2.3	20.7
15	195	105113	2056	42	33	51536.2	51538.3	-2.1	51568.8	51571.1	-2.3	53.4
15	195	105126	2058	42	34	51420.2	51422.3	-2.1	51485.2	51487.5	-2.3	106.6
15	195	105155	2060	42	35	51104.0	51106.1	-2.1	51109.8	51112.1	-2.3	9.5
15	195	105216	2062	42	36	50859	50861.1	-2.1	52135.8	52138.1	-2.3	2093.1
15	195	105250	2064	42	37	50790.8	50792.9	-2.1	50207	50209.4	-2.4	-957.1
15	195	105304	2066	42	38	51193.4	51195.5	-2.1	51057.6	51060.0	-2.4	-222.6
15	195	105324	2068	42	39	51417.0	51419.1	-2.1	51368.4	51370.8	-2.4	-79.7
15	195	105339	2070	42	40	51570.0	51572.1	-2.1	51601.0	51603.4	-2.4	50.8
15	195	105352	2072	42	41	51639.2	51641.3	-2.1	51714.4	51716.8	-2.4	123.3

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
15	195	105412	2074	42	42	51602.8	51605	-2.2	51556.4	51558.8	-2.4	-76.1
15	195	105426	2076	42	43	51553.8	51556	-2.2	51331.2	51333.6	-2.4	-364.9
15	195	105439	2078	42	44	51623.4	51625.6	-2.2	51442	51444.4	-2.4	-297.4
15	195	105452	2080	42	45	51711.0	51713.2	-2.2	51672.6	51675.0	-2.4	-62.9
15	195	105506	2082	42	46	51714.6	51716.8	-2.2	51749.6	51752.1	-2.5	57.4
15	195	105520	2084	42	47	51656.8	51659	-2.2	51691.2	51693.7	-2.5	56.4
15	195	105533	2086	42	48	51548.4	51550.6	-2.2	51579.2	51581.7	-2.5	50.5
15	195	105547	2088	42	49	51396.8	51399	-2.2	51318.2	51320.7	-2.5	-128.9
15	195	105602	2090	42	50	51247.2	51249.4	-2.2	51037.4	51039.9	-2.5	-343.9
15	195	105616	2092	42	51	51222.2	51224.4	-2.2	50827.2	50829.7	-2.5	-647.5
15	195	105632	2094	42	52	51411.8	51414	-2.2	51196.6	51199.1	-2.5	-352.8
15	195	105644	2096	42	53	51811.8	51814	-2.2	51525.2	51527.7	-2.5	-469.8
15	195	105657	2098	42	54	52564.8	52567	-2.2	52537.8	52540.3	-2.5	-44.3
15	195	105728	2100	42	55	53583.2	53585.5	-2.3	54681.0	54683.5	-2.5	1799.7
15	195	105743	2102	42	56	54120.2	54122.5	-2.3	56028.6	56031.2	-2.6	3128.5
15	195	105758	2104	42	57	53862.6	53864.9	-2.3	55201.6	55204.2	-2.6	2195.1
15	195	105812	2106	42	58	53136.4	53138.7	-2.3	53345.4	53348.0	-2.6	342.6
15	195	105826	2108	42	59	52524.6	52526.9	-2.3	52446.6	52449.2	-2.6	-127.9
15	195	105839	2110	42	60	52176.6	52178.9	-2.3	52069.6	52072.2	-2.6	-175.4
15	195	105852	2112	42	61	51991.6	51993.9	-2.3	51915.2	51917.8	-2.6	-125.3
15	195	105906	2114	42	62	51890.6	51892.9	-2.3	51831.2	51833.8	-2.6	-97.4
15	195	105918	2116	42	63	51828.8	51831.1	-2.3	51780.6	51783.2	-2.6	-79.0
15	195	105931	2118	42	64	51783.6	51785.9	-2.3	51746.6	51749.2	-2.6	-60.7
15	195	105944	2120	42	65	51754.6	51756.9	-2.3	51726.6	51729.2	-2.6	-45.9
15	195	105957	2122	42	66	51730.2	51732.5	-2.3	51708.2	51710.8	-2.6	-36.1
15	195	110010	2124	42	67	51700.6	51703	-2.4	51686.8	51689.5	-2.7	-22.6
15	195	110030	2126	42	68	51663.2	51665.6	-2.4	51657.8	51660.5	-2.7	-8.9
15	195	110043	2128	42	69	51599.4	51601.8	-2.4	51605.0	51607.7	-2.7	9.2
15	195	110101	2130	42	70	51437.8	51440.2	-2.4	51479.6	51482.3	-2.7	68.5
15	195	110116	2132	42	71	50952.2	50954.6	-2.4	50992.6	50995.3	-2.7	66.2
15	195	110140	2134	42	72	50913.6	50916	-2.4	50465.8	50468.5	-2.7	-734.1
15	195	110156	2136	42	73	51415.4	51417.8	-2.4	51206.4	51209.1	-2.7	-342.6
15	195	110213	2138	42	74	51570.2	51572.6	-2.4	51500.6	51503.3	-2.7	-114.1
15	195	110225	2140	42	75	51635.2	51637.6	-2.4	51603.0	51605.7	-2.7	-52.8
15	195	110239	2142	42	76	51674.6	51677	-2.4	51652.4	51655.1	-2.7	-36.4
15	195	110252	2144	42	77	51691.0	51693.4	-2.4	51675.0	51677.8	-2.8	-26.2
16	195	110631	2146	45	76	51662.2	51664.8	-2.6	51642.8	51645.7	-2.9	-31.8
16	195	110647	2148	45	75	51615.6	51618.2	-2.6	51592.2	51595.1	-2.9	-38.4
16	195	110701	2150	45	74	51525.0	51527.6	-2.6	51453.2	51456.1	-2.9	-117.7
16	195	110715	2152	45	73	51228.2	51230.8	-2.6	50932	50934.9	-2.9	-485.6
16	195	110731	2154	45	72	52228.8	52231.4	-2.6	52901.4	52904.3	-2.9	1102.6
16	195	110747	2156	45	71	50786.6	50789.2	-2.6	51099.2	51102.1	-2.9	512.5
16	195	110802	2158	45	70	51376.0	51378.6	-2.6	51477.6	51480.6	-3.0	166.6
16	195	110816	2160	45	69	51568.2	51570.8	-2.6	51596.8	51599.8	-3.0	46.9
16	195	110830	2162	45	68	51641.2	51643.8	-2.6	51649.2	51652.2	-3.0	13.1
16	195	110843	2164	45	67	51676.8	51679.5	-2.7	51673.2	51676.2	-3.0	-5.9
16	195	110857	2166	45	66	51700.4	51703.1	-2.7	51692.4	51695.4	-3.0	-13.1
16	195	110915	2168	45	65	51718.6	51721.3	-2.7	51704.2	51707.2	-3.0	-23.6
16	195	110927	2170	45	64	51736.6	51739.3	-2.7	51716.0	51719.0	-3.0	-33.8

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
16	195	110939	2172	45	63	51758.0	51760.7	-2.7	51731.6	51734.6	-3.0	-43.3
16	195	110953	2174	45	62	51785.8	51788.5	-2.7	51760.6	51763.6	-3.0	-41.3
16	195	111006	2176	45	61	51818.0	51820.7	-2.7	51795.4	51798.4	-3.0	-37.0
16	195	111019	2178	45	60	51858.4	51861.1	-2.7	51784.8	51787.8	-3.0	-120.7
16	195	111031	2180	45	59	51927.4	51930.1	-2.7	51841.8	51844.9	-3.1	-140.3
16	195	111043	2182	45	58	52014.2	52016.9	-2.7	51911.2	51914.3	-3.1	-168.9
16	195	111054	2184	45	57	52099.8	52102.5	-2.7	51982.2	51985.3	-3.1	-192.8
16	195	111106	2186	45	56	52127.8	52130.5	-2.7	51996	51999.1	-3.1	-216.1
16	195	111119	2188	45	55	52059.6	52062.3	-2.7	51909	51912.1	-3.1	-246.9
16	195	111134	2190	45	54	51900.8	51903.5	-2.7	51743.2	51746.3	-3.1	-258.4
16	195	111148	2192	45	53	51665.6	51668.4	-2.8	51518.4	51521.5	-3.1	-241.3
16	195	111200	2194	45	52	51489.8	51492.6	-2.8	51304.8	51307.9	-3.1	-303.3
16	195	111212	2196	45	51	51435.0	51437.8	-2.8	51302.0	51305.1	-3.1	-218.0
16	195	111223	2198	45	50	51491.2	51494	-2.8	51416.8	51419.9	-3.1	-122.0
16	195	111238	2200	45	49	51581.4	51584.2	-2.8	51563.4	51566.5	-3.1	-29.5
16	195	111251	2202	45	48	51703.4	51706.2	-2.8	51696.6	51699.7	-3.1	-11.1
16	195	111303	2204	45	47	51833.2	51836	-2.8	51863.0	51866.1	-3.1	48.9
16	195	111317	2206	45	46	51960.0	51962.8	-2.8	52073.4	52076.6	-3.2	185.9
16	195	111332	2208	45	45	51997.8	52000.6	-2.8	52201	52204.2	-3.2	333.1
16	195	111349	2210	45	44	51859.8	51862.6	-2.8	51881.8	51885.0	-3.2	36.1
16	195	111408	2212	45	43	51699.4	51702.2	-2.8	51582.8	51586.0	-3.2	-191.2
16	195	111420	2214	45	42	51645.8	51648.6	-2.8	51629.2	51632.4	-3.2	-27.2
16	195	111433	2216	45	41	51676.2	51679.1	-2.9	51729.4	51732.6	-3.2	87.2
16	195	111444	2218	45	40	51714.4	51717.3	-2.9	51730.2	51733.4	-3.2	25.9
16	195	111457	2220	45	39	51834.4	51837.3	-2.9	51923.0	51926.2	-3.2	145.2
16	195	111509	2222	45	38	52167.8	52170.7	-2.9	52551.4	52554.6	-3.2	628.9
16	195	111526	2224	45	37	52704.4	52707.3	-2.9	52589.4	52592.6	-3.2	9647.5
16	195	111539	2226	45	36	52528.6	52531.5	-2.9	528610	528613.2	-3.2	9969.5
16	195	111559	2228	45	35	51631.0	51633.9	-2.9	51142.2	51145.5	-3.3	-801.3
16	195	111620	2230	45	34	51442.4	51445.3	-2.9	51269	51272.3	-3.3	-284.3
16	195	111633	2232	45	33	51496.8	51499.7	-2.9	51453.0	51456.3	-3.3	-71.8
16	195	111645	2234	45	32	51568.0	51570.9	-2.9	51562.2	51565.5	-3.3	-9.5
16	195	111658	2236	45	31	51630.4	51633.3	-2.9	51634.0	51637.3	-3.3	5.9
16	195	111710	2238	45	30	51670.0	51672.9	-2.9	51677.0	51680.3	-3.3	11.5
16	195	111723	2240	45	29	51712.2	51715.1	-2.9	51714.2	51717.5	-3.3	3.3
16	195	111736	2242	45	28	51750.0	51753	-3.0	51746.4	51749.7	-3.3	-5.9
16	195	111749	2244	45	27	51776.6	51779.6	-3.0	51762.0	51765.3	-3.3	-23.9
16	195	111803	2246	45	26	51800.6	51803.6	-3.0	51706.6	51709.9	-3.3	-154.1
16	195	111816	2248	45	25	51884.2	51887.2	-3.0	51767.0	51770.4	-3.4	-192.1
16	195	111828	2250	45	24	52072.2	52075.2	-3.0	52046.6	52050.0	-3.4	-42.0
16	195	111840	2252	45	23	52345.6	52348.6	-3.0	52304.8	52308.2	-3.4	-66.9
16	195	111853	2254	45	22	52806.4	52809.4	-3.0	52814	52817.4	-3.4	12.5
16	195	111909	2256	45	21	53623.2	53626.2	-3.0	53876	53879.4	-3.4	414.4
16	195	111926	2258	45	20	52584	52587	-3.0	52568	52571.4	-3.4	-26.2
16	195	111947	2260	45	19	52490.8	52493.8	-3.0	52586.8	52590.2	-3.4	5075.4
16	195	112002	2262	45	18	52545.6	52548.6	-3.0	52566	52569.4	-3.4	33.4
16	195	112016	2264	45	17	52956.8	52959.8	-3.0	52523.4	52526.8	-3.4	-710.5
16	195	112028	2266	45	16	51873.6	51876.7	-3.1	51320	51323.4	-3.4	-907.5
16	195	112052	2268	45	15	51446.4	51449.5	-3.1	51172.8	51176.3	-3.5	-448.5

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
16	195	112104	2270	45	14	51349.6	51352.7	-3.1	51228.6	51232.1	-3.5	-198.4
16	195	112116	2272	45	13	51395.2	51398.3	-3.1	51359.2	51362.7	-3.5	-59.0
16	195	112128	2274	45	12	51470.8	51473.9	-3.1	51464.6	51468.1	-3.5	-10.2
16	195	112138	2276	45	11	51541.6	51544.7	-3.1	51550.4	51553.9	-3.5	14.4
16	195	112150	2278	45	10	51595.8	51598.9	-3.1	51600.6	51604.1	-3.5	7.9
16	195	112201	2280	45	9	51620.2	51623.3	-3.1	51618.8	51622.3	-3.5	-2.3
16	195	112212	2282	45	8	51638.6	51641.7	-3.1	51645.4	51648.9	-3.5	11.1
16	195	112223	2284	45	7	51651.6	51654.7	-3.1	51656.0	51659.5	-3.5	7.2
16	195	112234	2286	45	6	51647.6	51650.7	-3.1	51649.4	51652.9	-3.5	3.0
16	195	112246	2288	45	5	51629.4	51632.5	-3.1	51622.2	51625.7	-3.5	-11.8
16	195	112257	2290	45	4	51610.8	51613.9	-3.1	51603.6	51607.1	-3.5	-11.8
16	195	112308	2292	45	3	51606.2	51609.3	-3.1	51600.4	51603.9	-3.5	-9.5
16	195	112319	2294	45	2	51594.4	51597.6	-3.2	51576.2	51579.7	-3.5	-29.8
16	195	112330	2296	45	1	51550.8	51554	-3.2	51499.6	51503.2	-3.6	-83.9
16	195	112342	2298	45	0	51443.4	51446.6	-3.2	51290.0	51293.6	-3.6	-251.5
17	195	124115	2302	48	0	51440.6	51452	-11.4	51353.2	51361.8	-8.6	-143.3
17	195	124144	2304	48	1	51550.2	51561.6	-11.4	51503.0	51511.7	-8.7	-77.4
17	195	124209	2306	48	2	51596.2	51607.7	-11.5	51569.0	51577.7	-8.7	-44.6
17	195	124228	2308	48	3	51622.0	51633.5	-11.5	51602.0	51610.7	-8.7	-32.8
17	195	124306	2310	48	4	51635.2	51646.8	-11.6	51619.2	51628.0	-8.8	-26.2
17	195	124325	2312	48	5	51641.6	51653.2	-11.6	51629.0	51637.8	-8.8	-20.7
17	195	124341	2314	48	6	51644.4	51656	-11.6	51632.8	51641.6	-8.8	-19.0
17	195	124358	2316	48	7	51641.2	51652.9	-11.7	51630.2	51639.0	-8.8	-18.0
17	195	124414	2318	48	8	51636.8	51648.5	-11.7	51618.0	51626.8	-8.8	-30.8
17	195	124431	2320	48	9	51628.6	51640.3	-11.7	51618.0	51626.9	-8.9	-17.4
17	195	124448	2322	48	10	51615.0	51626.8	-11.8	51596.8	51605.7	-8.9	-29.8
17	195	124504	2324	48	11	51601.6	51613.4	-11.8	51577.8	51586.7	-8.9	-39.0
17	195	124519	2326	48	12	51591.6	51603.4	-11.8	51554.6	51563.5	-8.9	-60.7
17	195	124536	2328	48	13	51594.4	51606.2	-11.8	51537.8	51546.7	-8.9	-92.8
17	195	124552	2330	48	14	51623.0	51634.9	-11.9	51520.6	51529.6	-9.0	-167.9
17	195	124607	2332	48	15	51716.2	51728.1	-11.9	51561.2	51570.2	-9.0	-254.1
17	195	124624	2334	48	16	51917.8	51929.7	-11.9	51690.2	51699.2	-9.0	-373.1
17	195	124642	2336	48	17	52274	52286	-12.0	52022.4	52031.4	-9.0	-412.5
17	195	124701	2338	48	18	53019	53031	-12.0	52877.6	52886.6	-9.0	-231.8
17	195	124718	2340	48	19	53652.8	53664.8	-12.0	53806.8	53815.9	-9.1	252.5
17	195	124734	2342	48	20	53642.8	53654.9	-12.1	53937.6	53946.7	-9.1	483.3
17	195	124751	2344	48	21	53082.2	53094.3	-12.1	53121.8	53130.9	-9.1	64.9
17	195	124808	2346	48	22	52572.0	52584.1	-12.1	52531.4	52540.5	-9.1	-66.6
17	195	124825	2348	48	23	52260.0	52272.1	-12.1	52216.2	52225.3	-9.1	-71.8
17	195	124840	2350	48	24	52054.2	52066.4	-12.2	52019.2	52028.3	-9.1	-57.4
17	195	124853	2352	48	25	51933.8	51946	-12.2	51913.8	51923.0	-9.2	-32.8
17	195	124908	2354	48	26	51858.4	51870.6	-12.2	51844.2	51853.4	-9.2	-23.3
17	195	124929	2356	48	27	51795.0	51807.3	-12.3	51788.4	51797.6	-9.2	-10.8
17	195	124946	2358	48	28	51749.2	51761.5	-12.3	51740.2	51749.4	-9.2	-14.8
17	195	125001	2360	48	29	51704.4	51716.7	-12.3	51699.0	51708.2	-9.2	-8.9
17	195	125018	2362	48	30	51661.4	51673.7	-12.3	51657.2	51666.4	-9.2	-6.9
17	195	125034	2364	48	31	51619.2	51631.6	-12.4	51609.8	51619.1	-9.3	-15.4
17	195	125050	2366	48	32	51573.8	51586.2	-12.4	51553.4	51562.7	-9.3	-33.4
17	195	125110	2368	48	33	51525.8	51538.2	-12.4	51482.6	51491.9	-9.3	-70.8

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
17	195	125125	2370	48	34	51491.4	51503.9	-12.5	51395.6	51404.9	-9.3	-157.1
17	195	125141	2372	48	35	51514.4	51526.9	-12.5	51297.4	51306.7	-9.3	-355.7
17	195	125200	2374	48	36	51642.0	51654.5	-12.5	51741.8	51751.2	-9.4	163.6
17	195	125221	2376	48	37	51636.8	51649.4	-12.6	51561.8	51571.2	-9.4	-123.0
17	195	125241	2378	48	38	51557.6	51570.2	-12.6	51419.4	51428.8	-9.4	-226.6
17	195	125257	2380	48	39	51509.4	51522	-12.6	51411.2	51420.6	-9.4	-161.0
17	195	125312	2382	48	40	51489.4	51502.1	-12.7	51426.6	51436.0	-9.4	-103.0
17	195	125326	2384	48	41	51442.2	51454.9	-12.7	51371.4	51380.9	-9.5	-116.1
17	195	125342	2386	48	42	51398.2	51410.9	-12.7	51170.6	51180.1	-9.5	-373.1
17	195	125400	2388	48	43	51474.8	51487.5	-12.7	51164	51173.5	-9.5	-509.5
17	195	125421	2390	48	44	51753.0	51765.8	-12.8	51791.6	51801.1	-9.5	63.3
17	195	125444	2392	48	45	52007.8	52020.6	-12.8	52240.6	52250.1	-9.5	381.6
17	195	125510	2394	48	46	52086.0	52098.9	-12.9	52307.4	52317.0	-9.6	363.0
17	195	125525	2396	48	47	52044.0	52056.9	-12.9	52257.2	52266.8	-9.6	349.5
17	195	125539	2398	48	48	51903.0	51915.9	-12.9	52049.6	52059.2	-9.6	240.3
17	195	125559	2400	48	49	51694.8	51707.8	-13.0	51754.2	51763.8	-9.6	97.4
17	195	125618	2402	48	50	51467.6	51480.6	-13.0	51433.8	51443.4	-9.6	-55.4
17	195	125633	2404	48	51	51233.4	51246.4	-13.0	51062.2	51071.9	-9.7	-280.7
17	195	125652	2406	48	52	51087.8	51100.8	-13.0	50828.4	50838.1	-9.7	-425.2
17	195	125711	2408	48	53	51006.8	51019.9	-13.1	50696.4	50706.1	-9.7	-508.9
17	195	125726	2410	48	54	51013.8	51026.9	-13.1	50516.2	50525.9	-9.7	-815.7
17	195	125742	2412	48	55	51271.8	51284.9	-13.1	50874	50883.7	-9.7	-652.1
17	195	125800	2414	48	56	51665.4	51678.6	-13.2	51592.8	51602.6	-9.8	-119.0
17	195	125815	2416	48	57	51861.2	51874.4	-13.2	51804.2	51814.0	-9.8	-93.4
17	195	125829	2418	48	58	51844.2	51857.4	-13.2	51725.8	51735.6	-9.8	-194.1
17	195	125848	2420	48	59	51791.8	51805.1	-13.3	51674.0	51683.8	-9.8	-193.1
17	195	125903	2422	48	60	51758.2	51771.5	-13.3	51681.4	51691.2	-9.8	-125.9
17	195	125921	2424	48	61	51739.8	51753.1	-13.3	51678.2	51688.0	-9.8	-101.0
17	195	125935	2426	48	62	51727.2	51740.5	-13.3	51677.8	51687.7	-9.9	-81.0
17	195	125949	2428	48	63	51717.4	51730.8	-13.4	51676.6	51686.5	-9.9	-66.9
17	195	130004	2430	48	64	51708.2	51721.6	-13.4	51674.2	51684.1	-9.9	-55.7
17	195	130018	2432	48	65	51696.6	51710	-13.4	51671.0	51680.9	-9.9	-42.0
17	195	130034	2434	48	66	51684.4	51697.8	-13.4	51661.6	51671.5	-9.9	-37.4
17	195	130049	2436	48	67	51663.6	51677.1	-13.5	51650.2	51660.1	-9.9	-22.0
17	195	130104	2438	48	68	51632.8	51646.3	-13.5	51627.6	51637.6	-10.0	-8.5
17	195	130118	2440	48	69	51567.8	51581.3	-13.5	51579.6	51589.6	-10.0	19.3
17	195	130133	2442	48	70	51406.8	51420.3	-13.5	51482.2	51492.2	-10.0	123.6
17	195	130148	2444	48	71	50877.8	50891.4	-13.6	51236	51246.0	-10.0	587.2
17	195	130206	2446	48	72	49845	49858.6	-13.6	50549.8	50559.8	-10.0	1155.4
17	195	130224	2448	48	73	51299.8	51313.4	-13.6	51240.8	51250.8	-10.0	-96.7
17	195	130240	2450	48	74	51537.0	51550.7	-13.7	51494.2	51504.3	-10.1	-70.2
17	195	130255	2452	48	75	51611.0	51624.7	-13.7	51586.0	51596.1	-10.1	-41.0
18	195	130850	2454	51	77	51668.6	51682.9	-14.3	51606.6	51617.1	-10.5	-101.6
18	195	130906	2456	51	76	51634.8	51649.2	-14.4	51524.8	51535.3	-10.5	-180.3
18	195	130923	2458	51	75	51552.6	51567	-14.4	51398.8	51409.3	-10.5	-252.1
18	195	130940	2460	51	74	51447	51461.4	-14.4	51293.0	51303.5	-10.5	-252.5
18	195	130959	2462	51	73	51326.4	51340.9	-14.5	50826	50836.5	-10.5	-820.3
18	195	131030	2464	51	72	51461	51475.5	-14.5	50339.6	50350.2	-10.6	-1838.4
18	195	131052	2466	51	71	50899	50913.5	-14.5	51068.8	51079.4	-10.6	278.4

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
18	195	131108	2468	51	70	51355.8	51370.4	-14.6	51425.4	51436.0	-10.6	114.1
18	195	131124	2470	51	69	51556.6	51571.2	-14.6	51566.8	51577.4	-10.6	16.7
18	195	131140	2472	51	68	51627.6	51642.2	-14.6	51625.4	51636.1	-10.7	-3.6
18	195	131156	2474	51	67	51662.0	51676.7	-14.7	51654.0	51664.7	-10.7	-13.1
18	195	131211	2476	51	66	51683.2	51697.9	-14.7	51671.0	51681.7	-10.7	-20.0
18	195	131226	2478	51	65	51698.4	51713.1	-14.7	51679.0	51689.7	-10.7	-31.8
18	195	131243	2480	51	64	51712.4	51727.1	-14.7	51685.2	51695.9	-10.7	-44.6
18	195	131259	2482	51	63	51732.2	51747	-14.8	51694.4	51705.1	-10.7	-62.0
18	195	131316	2484	51	62	51767.8	51782.6	-14.8	51710.4	51721.2	-10.8	-94.1
18	195	131332	2486	51	61	51821.6	51836.4	-14.8	51742.6	51753.4	-10.8	-129.5
18	195	131351	2488	51	60	51960.2	51975.1	-14.9	51856.8	51867.6	-10.8	-169.5
18	195	131406	2490	51	59	52228.2	52243.1	-14.9	52163.2	52174.0	-10.8	-106.6
18	195	131422	2492	51	58	52608.4	52623.3	-14.9	52959.	52969.8	-10.8	574.8
18	195	131437	2494	51	57	52627.8	52642.7	-14.9	53764.8	53775.7	-10.9	1863.9
18	195	131452	2496	51	56	52139.8	52154.8	-15.0	52226	52236.9	-10.9	141.3
18	195	131511	2498	51	55	51127.6	51142.6	-15.0	50300.8	50311.7	-10.9	-1355.4
18	195	131534	2500	51	54	50644	50659	-15.0	49670	49680.9	-10.9	-1596.7
18	195	131550	2502	51	53	50549.6	50564.7	-15.1	50100	50110.9	-10.9	-737.1
18	195	131605	2504	51	52	50688	50703.1	-15.1	50223.8	50234.8	-11.0	-761.0
18	195	131623	2506	51	51	50961.6	50976.7	-15.1	50621.2	50632.2	-11.0	-558.0
18	195	131639	2508	51	50	51327.2	51342.4	-15.2	51245.4	51256.4	-11.0	-134.1
18	195	131654	2510	51	49	51690.8	51706	-15.2	51744.8	51755.8	-11.0	88.5
18	195	131708	2512	51	48	51999.0	52014.2	-15.2	52191.8	52202.8	-11.0	316.1
18	195	131727	2514	51	47	52207	52222.2	-15.2	52518.4	52529.4	-11.0	510.5
18	195	131741	2516	51	46	52230.8	52246.1	-15.3	52587.2	52598.3	-11.1	584.3
18	195	131756	2518	51	45	52036.4	52051.7	-15.3	52298.6	52309.7	-11.1	429.8
18	195	131812	2520	51	44	51704.0	51719.3	-15.3	51651	51662.1	-11.1	-86.9
18	195	131828	2522	51	43	51442.2	51457.6	-15.4	51198.8	51209.9	-11.1	-399.0
18	195	131843	2524	51	42	51365.8	51381.2	-15.4	51180.2	51191.3	-11.1	-304.3
18	195	131901	2526	51	41	51380.8	51396.2	-15.4	51271.8	51282.9	-11.1	-178.7
18	195	131916	2528	51	40	51391.6	51407	-15.4	51279.6	51290.8	-11.2	-183.6
18	195	131931	2530	51	39	51411.6	51427.1	-15.5	51291.0	51302.2	-11.2	-197.7
18	195	131946	2532	51	38	51500.2	51515.7	-15.5	51455.2	51466.4	-11.2	-73.8
18	195	132003	2534	51	37	51659.0	51674.5	-15.5	51970.8	51982.0	-11.2	511.1
18	195	132017	2536	51	36	51629.8	51645.4	-15.6	51855	51866.2	-11.2	369.2
18	195	132033	2538	51	35	51482.4	51498	-15.6	51358.2	51369.4	-11.2	-203.6
18	195	132048	2540	51	34	51475.0	51490.6	-15.6	51426.4	51437.7	-11.3	-79.7
18	195	132102	2542	51	33	51522.0	51537.6	-15.6	51511.2	51522.5	-11.3	-17.7
18	195	132117	2544	51	32	51571.4	51587.1	-15.7	51573.8	51585.1	-11.3	3.9
18	195	132131	2546	51	31	51614.6	51630.3	-15.7	51625.0	51636.3	-11.3	17.0
18	195	132146	2548	51	30	51653.2	51668.9	-15.7	51664.2	51675.5	-11.3	18.0
18	195	132202	2550	51	29	51689.4	51705.1	-15.7	51699.0	51710.3	-11.3	15.7
18	195	132217	2552	51	28	51723.2	51739	-15.8	51731.0	51742.4	-11.4	12.8
18	195	132233	2554	51	27	51760.6	51776.4	-15.8	51772.6	51784.0	-11.4	19.7
18	195	132248	2556	51	26	51797.6	51813.4	-15.8	51812.4	51823.8	-11.4	24.3
18	195	132303	2558	51	25	51832.8	51848.6	-15.8	51819.6	51831.0	-11.4	-21.6
18	195	132317	2560	51	24	51878.2	51894.1	-15.9	51877.4	51888.8	-11.4	-1.3
18	195	132335	2562	51	23	51932.6	51948.5	-15.9	51914.6	51926.0	-11.4	-29.5
18	195	132350	2564	51	22	51966.6	51982.5	-15.9	51943.4	51954.9	-11.5	-38.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
18	195	132403	2566	51	21	52010.8	52026.8	-16.0	51973.0	51984.5	-11.5	-62.0
18	195	132418	2568	51	20	52002.6	52018.6	-16.0	51963.4	51974.9	-11.5	-64.3
18	195	132434	2570	51	19	51969.4	51985.4	-16.0	51911.4	51922.9	-11.5	-95.1
18	195	132448	2572	51	18	51898.2	51914.2	-16.0	51835.6	51847.1	-11.5	-102.6
18	195	132503	2574	51	17	51825.4	51841.5	-16.1	51777.8	51789.3	-11.5	-78.0
18	195	132519	2576	51	16	51760.6	51776.7	-16.1	51718.4	51730.0	-11.6	-69.2
18	195	132535	2578	51	15	51706.0	51722.1	-16.1	51685.4	51697.0	-11.6	-33.8
18	195	132550	2580	51	14	51669.0	51685.1	-16.1	51620.4	51632.0	-11.6	-79.7
18	195	132607	2582	51	13	51653.6	51669.8	-16.2	51632.6	51644.2	-11.6	-34.4
18	195	132624	2584	51	12	51646.6	51662.8	-16.2	51634.4	51646.0	-11.6	-20.0
18	195	132643	2586	51	11	51644.2	51660.4	-16.2	51637.0	51648.7	-11.7	-11.8
18	195	132703	2588	51	10	51644.8	51661.1	-16.3	51640.8	51652.5	-11.7	-6.6
18	195	132728	2590	51	9	51645.8	51662.1	-16.3	51642.6	51654.3	-11.7	-5.2
18	195	132744	2592	51	8	51646.4	51662.7	-16.3	51644.4	51656.1	-11.7	-3.3
18	195	132759	2594	51	7	51645.0	51661.4	-16.4	51644.2	51655.9	-11.7	-1.3
18	195	132814	2596	51	6	51641.8	51658.2	-16.4	51639.6	51651.4	-11.8	-3.6
18	195	132833	2598	51	5	51635.2	51651.6	-16.4	51631.0	51642.8	-11.8	-6.9
18	195	132854	2600	51	4	51624.0	51640.5	-16.5	51618.2	51630.0	-11.8	-9.5
18	195	132909	2602	51	3	51605.8	51622.3	-16.5	51594.0	51605.8	-11.8	-19.3
18	195	132925	2604	51	2	51575.0	51591.5	-16.5	51550.6	51562.4	-11.8	-40.0
18	195	132942	2606	51	1	51513.2	51529.8	-16.6	51454.6	51466.5	-11.9	-96.1
18	195	133002	2608	51	0	?	51369.6	-16.6	51163.4	51175.3	-11.9	-310.8
19	195	133421	2612	54	0	51331.8	51348.1	-16.3	51276.2	51288.0	-11.8	-91.2
19	195	133610	2614	54	1	51495.2	51511.5	-16.3	51458.6	51470.4	-11.8	-60.0
19	195	133627	2616	54	2	51572.4	51588.7	-16.3	51542.6	51554.4	-11.8	-48.9
19	195	133641	2618	54	3	51611.2	51627.5	-16.3	51588.6	51600.4	-11.8	-37.0
19	195	133655	2620	54	4	51633.6	51649.9	-16.3	51614.0	51625.8	-11.8	-32.1
19	195	133710	2622	54	5	51646.8	51663	-16.2	51632.8	51644.6	-11.8	-23.0
19	195	133723	2624	54	6	51656.2	51672.4	-16.2	51642.2	51653.9	-11.7	-23.0
19	195	133738	2626	54	7	51662.4	51678.6	-16.2	51649.2	51660.9	-11.7	-21.6
19	195	133752	2628	54	8	51666.6	51682.8	-16.2	51654.2	51665.9	-11.7	-20.3
19	195	133807	2630	54	9	51670.2	51686.3	-16.1	51658.0	51669.7	-11.7	-20.0
19	195	133821	2632	54	10	51672.4	51688.5	-16.1	51660.8	51672.5	-11.7	-19.0
19	195	133835	2634	54	11	51675.6	51691.7	-16.1	51663.6	51675.3	-11.7	-19.7
19	195	133852	2636	54	12	51679.0	51695.1	-16.1	51665.2	51676.9	-11.7	-22.6
19	195	133906	2638	54	13	51680.8	51696.8	-16.0	51652.8	51664.5	-11.7	-45.9
19	195	133920	2640	54	14	51692.2	51708.2	-16.0	51659.2	51670.9	-11.7	-54.1
19	195	133936	2642	54	15	51722.2	51738.2	-16.0	51727.0	51738.6	-11.6	7.9
19	195	133949	2644	54	16	51735.2	51751.2	-16.0	51718.0	51729.6	-11.6	-28.2
19	195	134007	2646	54	17	51761.4	51777.3	-15.9	51761.2	51772.8	-11.6	-0.3
19	195	134022	2648	54	18	51784.6	51800.5	-15.9	51848.8	51860.4	-11.6	105.2
19	195	134042	2650	54	19	51796.2	51812.1	-15.9	51794.0	51805.6	-11.6	-3.6
19	195	134058	2652	54	20	51798.6	51814.4	-15.8	51778.2	51789.8	-11.6	-33.4
19	195	134113	2654	54	21	51796.6	51812.4	-15.8	51792.8	51804.4	-11.6	-6.2
19	195	134128	2656	54	22	51791.8	51807.6	-15.8	51776.6	51788.2	-11.6	-24.9
19	195	134143	2658	54	23	51781.8	51797.5	-15.7	51775.8	51787.3	-11.5	-9.8
19	195	134159	2660	54	24	51764.4	51780.1	-15.7	51761.0	51772.5	-11.5	-5.6
19	195	134213	2662	54	25	51749.8	51765.5	-15.7	51744.8	51756.3	-11.5	-8.2
19	195	134229	2664	54	26	51728.2	51743.9	-15.7	51736.4	51747.9	-11.5	13.4

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
19	195	134248	2666	54	27	51706.0	51721.6	-15.6	51704.6	51716.1	-11.5	-2.3
19	195	134303	2668	54	28	51681.2	51696.8	-15.6	51677.2	51688.7	-11.5	-6.6
19	195	134319	2670	54	29	51657.6	51673.2	-15.6	51682.6	51694.1	-11.5	41.0
19	195	134334	2672	54	30	51626.8	51642.3	-15.5	51610.0	51621.5	-11.5	-27.5
19	195	134348	2674	54	31	51596.0	51611.5	-15.5	51596.4	51607.9	-11.5	0.7
19	195	134403	2676	54	32	51556.6	51572.1	-15.5	51569.8	51581.2	-11.4	21.6
19	195	134417	2678	54	33	51503.0	51518.5	-15.5	51504.6	51516.0	-11.4	2.6
19	195	134434	2680	54	34	51426.8	51442.2	-15.4	51448.0	51459.4	-11.4	34.8
19	195	134449	2682	54	35	51299.0	51314.4	-15.4	51225.2	51236.6	-11.4	-121.0
19	195	134504	2684	54	36	51161	51176.4	-15.4	51071.4	51072.8	-11.4	-737.0
19	195	134521	2686	54	37	51109.4	51124.8	-15.4	51076.4	51077.8	-11.4	-567.2
19	195	134536	2688	54	38	51181.8	51197.1	-15.3	51091.8	51092.9	-11.4	-432.5
19	195	134551	2690	54	39	51357.2	51372.5	-15.3	51322.8	51334.2	-11.4	-56.4
19	195	134619	2692	54	40	51571.4	51586.7	-15.3	51582.4	51835.3	-11.3	414.1
19	195	134639	2694	54	41	51591.4	51606.6	-15.2	51845.8	51857.1	-11.3	417.0
19	195	134707	2696	54	42	51469.6	51484.8	-15.2	51460.6	51471.9	-11.3	-14.8
19	195	134724	2698	54	43	51435.2	51450.3	-15.1	51279.2	51290.5	-11.3	-255.7
19	195	134740	2700	54	44	51541.6	51556.7	-15.1	51254.2	51265.5	-11.3	-471.2
19	195	134758	2702	54	45	51849.0	51864.1	-15.1	51590.8	51602.1	-11.3	-423.3
19	195	134813	2704	54	46	52167.8	52182.8	-15.0	52475.6	52486.8	-11.2	504.6
19	195	134828	2706	54	47	52168.8	52183.8	-15.0	52505	52516.2	-11.2	551.1
19	195	134843	2708	54	48	51963.8	51978.8	-15.0	52170.4	52181.6	-11.2	338.7
19	195	134902	2710	54	49	51627.0	51642	-15.0	51682.8	51694.0	-11.2	91.5
19	195	134918	2712	54	50	51265.8	51280.7	-14.9	51118.6	51129.8	-11.2	-241.3
19	195	134934	2714	54	51	50931.2	50946.1	-14.9	50525.6	50536.8	-11.2	-664.9
19	195	134948	2716	54	52	50797.8	50812.7	-14.9	50184.6	50195.8	-11.2	-1005.3
19	195	135003	2718	54	53	50819	50833.8	-14.8	50148.2	50159.4	-11.2	-1099.7
19	195	135019	2720	54	54	51062.8	51077.6	-14.8	50370.6	50381.8	-11.2	-1134.8
19	195	135035	2722	54	55	51749.8	51764.6	-14.8	51526.4	51537.5	-11.1	-366.2
19	195	135056	2724	54	56	52671	52685.8	-14.8	53085.8	53096.9	-11.1	680.0
19	195	135112	2726	54	57	53365.2	53379.9	-14.7	54493.8	54504.9	-11.1	1850.2
19	195	135129	2728	54	58	53120.6	53135.3	-14.7	53872.4	53883.5	-11.1	1232.5
19	195	135147	2730	54	59	52771.4	52786.1	-14.7	52828.6	52839.7	-11.1	93.8
19	195	135205	2732	54	60	52273.2	52287.8	-14.6	52153.4	52164.5	-11.1	-196.4
19	195	135222	2734	54	61	52018.4	52033	-14.6	51906.0	51917.1	-11.1	-184.3
19	195	135237	2736	54	62	51872.6	51887.2	-14.6	51789.0	51800.0	-11.0	-137.1
19	195	135252	2738	54	63	51799.8	51814.3	-14.5	51745.4	51756.4	-11.0	-89.2
19	195	135306	2740	54	64	51759.8	51774.3	-14.5	51714.0	51725.0	-11.0	-75.1
19	195	135322	2742	54	65	51729.4	51743.9	-14.5	51695.2	51706.2	-11.0	-56.1
19	195	135336	2744	54	66	51709.0	51723.5	-14.5	51682.0	51693.0	-11.0	-44.3
19	195	135352	2746	54	67	51689.2	51703.6	-14.4	51666.8	51677.8	-11.0	-36.7
19	195	135429	2748	54	68	51663.0	51677.4	-14.4	51644.4	51655.4	-11.0	-30.5
19	195	135449	2750	54	69	51618.0	51632.3	-14.3	51606.0	51616.9	-10.9	-19.7
19	195	135504	2752	54	70	51538.6	51552.9	-14.3	51541.6	51552.5	-10.9	4.9
19	195	135529	2754	54	71	51324.0	51338.3	-14.3	51376.2	51387.1	-10.9	85.6
19	195	135547	2756	54	72	50493.4	50507.6	-14.2	50871.4	50882.3	-10.9	619.7
19	195	135608	2758	54	73	51258	51272.2	-14.2	50803.6	50814.5	-10.9	-744.9
19	195	135624	2760	54	74	51708.6	51722.8	-14.2	51053.8	51064.7	-10.9	-1073.4
19	195	135644	2762	54	75	52186.8	52200.9	-14.1	58613.6	58624.5	-10.9	10535.7

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
19	195	135711	2764	54	76	751038.4	51052.5	-14.1	752105.8	52116.6	-10.8	1749.8
19	195	135743	2766	54	77	51699.6	51713.6	-14.0	51704.8	51715.6	-10.8	8.5
20	195	140119	2768	57	78	51693.4	51707	-13.6	51686.8	51697.4	-10.6	-10.8
20	195	140219	2770	57	77	51680.2	51693.7	-13.5	51675.2	51685.8	-10.6	-8.2
20	195	140233	2772	57	76	51662.2	51675.7	-13.5	51652.0	51662.6	-10.6	-16.7
20	195	140247	2774	57	75	51618.8	51632.3	-13.5	51583.2	51593.8	-10.6	-58.4
20	195	140303	2776	57	74	51540.2	51553.6	-13.4	51461.8	51472.4	-10.6	-128.5
20	195	140319	2778	57	73	751582.8	51596.2	-13.4	751000.4	51011.0	-10.6	-954.8
20	195	140340	2780	57	72	750775.4	50788.8	-13.4	751232	51242.5	-10.5	748.5
20	195	140403	2782	57	71	51400.2	51413.5	-13.3	51474.2	51484.7	-10.5	121.3
20	195	140420	2784	57	70	51573.8	51587.1	-13.3	51589.2	51599.7	-10.5	25.2
20	195	140434	2786	57	69	51641.0	51654.3	-13.3	51642.2	51652.7	-10.5	2.0
20	195	140447	2788	57	68	51679.0	51692.3	-13.3	51672.4	51682.9	-10.5	-10.8
20	195	140504	2790	57	67	51704.0	51717.2	-13.2	51692.6	51703.1	-10.5	-18.7
20	195	140518	2792	57	66	51726.0	51739.2	-13.2	51708.4	51718.9	-10.5	-28.8
20	195	140533	2794	57	65	51748.8	51762	-13.2	51722.8	51733.2	-10.4	-42.6
20	195	140549	2796	57	64	51776.0	51789.1	-13.1	51737.2	51747.6	-10.4	-63.6
20	195	140603	2798	57	63	51810.6	51823.7	-13.1	51726.4	51736.8	-10.4	-138.0
20	195	140619	2800	57	62	51882.2	51895.3	-13.1	751620.8	51631.2	-10.4	-428.5
20	195	140638	2802	57	61	52051.8	52064.9	-13.1	51948.6	51959.0	-10.4	-169.2
20	195	140700	2804	57	60	52287.8	52300.8	-13.0	52206.8	52217.2	-10.4	-132.8
20	195	140714	2806	57	59	52663.2	52676.2	-13.0	752704.4	52714.8	-10.4	67.5
20	195	140732	2808	57	58	753069.8	53082.8	-13.0	753533.2	53543.6	-10.4	759.7
20	195	140748	2810	57	57	753132	53144.9	-12.9	756915.6	56925.9	-10.3	6202.6
20	195	140806	2812	57	56	752769.6	52782.5	-12.9	753094	53104.3	-10.3	531.8
20	195	140822	2814	57	55	52101.8	52114.7	-12.9	752204.4	52214.7	-10.3	168.2
20	195	140837	2816	57	54	51610.0	51622.8	-12.8	751356.4	51366.7	-10.3	-415.7
20	195	140856	2818	57	53	51459.0	51471.8	-12.8	751509.2	51519.5	-10.3	82.3
20	195	140917	2820	57	52	51342.2	51355	-12.8	51311.4	51321.7	-10.3	-50.5
20	195	140936	2822	57	51	751183.6	51196.3	-12.7	750810.2	50820.5	-10.3	-612.1
20	195	140952	2824	57	50	751204.4	51217.1	-12.7	750863.4	50873.6	-10.2	-559.0
20	195	141008	2826	57	49	51409.6	51422.3	-12.7	51320.8	51331.0	-10.2	-145.6
20	195	141022	2828	57	48	51645.4	51658.1	-12.7	51697.4	51707.6	-10.2	85.2
20	195	141038	2830	57	47	51807.6	51820.2	-12.6	51950.2	51960.4	-10.2	233.8
20	195	141055	2832	57	46	51877.2	51889.8	-12.6	752072.4	52082.6	-10.2	320.0
20	195	141111	2834	57	45	51803.2	51815.8	-12.6	751994.2	52004.4	-10.2	313.1
20	195	141126	2836	57	44	51560.8	51573.3	-12.5	751586.4	51596.6	-10.2	42.0
20	195	141143	2838	57	43	751254.4	51266.9	-12.5	750928.2	50938.4	-10.2	-534.8
20	195	141202	2840	57	42	751087.6	51100.1	-12.5	750719.6	50729.7	-10.1	-603.3
20	195	141217	2842	57	41	751024.2	51036.6	-12.4	750708.2	50718.3	-10.1	-518.0
20	195	141231	2844	57	40	751053.2	51065.6	-12.4	750787.8	50797.9	-10.1	-435.1
20	195	141246	2846	57	39	51148.6	51161	-12.4	51048.6	51058.7	-10.1	-163.9
20	195	141302	2848	57	38	51360.6	51373	-12.4	751567.4	51577.5	-10.1	339.0
20	195	141325	2850	57	37	51421.2	51433.5	-12.3	751937.4	51947.5	-10.1	846.2
20	195	141339	2852	57	36	51259.6	51271.9	-12.3	750997.6	51007.7	-10.1	-429.5
20	195	141354	2854	57	35	51245.0	51257.3	-12.3	51121.0	51131.1	-10.1	-203.3
20	195	141410	2856	57	34	51342.6	51354.8	-12.2	51336.6	51346.6	-10.0	-9.8
20	195	141426	2858	57	33	51431.8	51444	-12.2	51455.0	51465.0	-10.0	38.0
20	195	141440	2860	57	32	51494.8	51507	-12.2	51519.8	51529.8	-10.0	41.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
20	195	141454	2862	57	31	51542.8	51555	-12.2	51573.8	51583.8	-10.0	50.8
20	195	141508	2864	57	30	51573.6	51585.7	-12.1	51601.8	51611.8	-10.0	46.2
20	195	141522	2866	57	29	51598.6	51610.7	-12.1	51622.4	51632.4	-10.0	39.0
20	195	141536	2868	57	28	51617.8	51629.9	-12.1	51647.0	51657.0	-10.0	47.9
20	195	141551	2870	57	27	51638.0	51650.1	-12.1	51665.0	51675.0	-10.0	44.3
20	195	141614	2872	57	26	51658.8	51670.8	-12.0	51686.2	51696.2	-10.0	44.9
20	195	141628	2874	57	25	51680.0	51692	-12.0	51695.8	51705.7	-9.9	25.9
20	195	141642	2876	57	24	51697.8	51709.8	-12.0	51725.6	51735.5	-9.9	45.6
20	195	141657	2878	57	23	51717.2	51729.1	-11.9	51733.6	51743.5	-9.9	26.9
20	195	141712	2880	57	22	51729.4	51741.3	-11.9	51753.0	51762.9	-9.9	38.7
20	195	141727	2882	57	21	51736.8	51748.7	-11.9	51756.4	51766.3	-9.9	32.1
20	195	141742	2884	57	20	51740.0	51751.9	-11.9	51752.4	51762.3	-9.9	20.3
20	195	141756	2886	57	19	51739.8	51751.6	-11.8	51749.8	51759.7	-9.9	16.4
20	195	141810	2888	57	18	51736.4	51748.2	-11.8	51745.8	51755.7	-9.9	15.4
20	195	141824	2890	57	17	51730.8	51742.6	-11.8	51742.0	51751.9	-9.9	18.4
20	195	141838	2892	57	16	51720.8	51732.6	-11.8	51724.6	51734.4	-9.8	6.2
20	195	141852	2894	57	15	51711.4	51723.1	-11.7	51710.4	51720.2	-9.8	-1.6
20	195	141905	2896	57	14	51704.4	51716.1	-11.7	51707.2	51717.0	-9.8	4.6
20	195	141920	2898	57	13	51699.2	51710.9	-11.7	51702.2	51712.0	-9.8	4.9
20	195	141933	2900	57	12	51694.8	51706.5	-11.7	51696.6	51706.4	-9.8	3.0
20	195	141948	2902	57	11	51690.0	51701.6	-11.6	51691.6	51701.4	-9.8	2.6
20	195	142002	2904	57	10	51685.4	51697	-11.6	51686.8	51696.6	-9.8	2.3
20	195	142017	2906	57	9	51681.6	51693.2	-11.6	51681.0	51690.8	-9.8	-1.0
20	195	142032	2908	57	8	51676.6	51688.2	-11.6	51676.8	51686.6	-9.8	0.3
20	195	142046	2910	57	7	51671.6	51683.1	-11.5	51671.6	51681.3	-9.7	0.0
20	195	142101	2912	57	6	51665.4	51676.9	-11.5	51663.6	51673.3	-9.7	-3.0
20	195	142116	2914	57	5	51657.2	51668.7	-11.5	51653.2	51662.9	-9.7	-6.6
20	195	142130	2916	57	4	51647.8	51659.3	-11.5	51639.6	51649.3	-9.7	-13.4
20	195	142145	2918	57	3	51633.2	51644.6	-11.4	51621.4	51631.1	-9.7	-19.3
20	195	142159	2920	57	2	51610.6	51622	-11.4	51586.8	51596.5	-9.7	-39.0
20	195	142212	2922	57	1	51566.6	51578	-11.4	51512.8	51522.5	-9.7	-88.2
20	195	142226	2924	57	0	51491.8	51503.2	-11.4	51288.8	51298.5	-9.7	-332.8
21	195	144852	2928	60	0	51557.2	51561.3	-4.1	51505.2	51508.1	-2.9	-85.2
21	195	144905	2930	60	1	51602.2	51606.2	-4.0	51562.8	51565.6	-2.8	-64.6
21	195	144917	2932	60	2	51630.6	51634.5	-3.9	51604.8	51607.6	-2.8	-42.3
21	195	144929	2934	60	3	51650.2	51654.1	-3.9	51631.0	51633.7	-2.7	-31.5
21	195	144952	2936	60	4	51665.0	51668.8	-3.8	51648.8	51651.4	-2.6	-26.6
21	195	145005	2938	60	5	51673.8	51677.5	-3.7	51662.0	51664.6	-2.6	-19.3
21	195	145017	2940	60	6	51682.0	51685.6	-3.6	51672.6	51675.1	-2.5	-15.4
21	195	145030	2942	60	7	51687.6	51691.2	-3.6	51680.0	51682.5	-2.5	-12.5
21	195	145042	2944	60	8	51692.0	51695.5	-3.5	51683.0	51685.4	-2.4	-14.8
21	195	145054	2946	60	9	51699.2	51702.7	-3.5	51691.6	51694.0	-2.4	-12.5
21	195	145106	2948	60	10	51704.0	51707.4	-3.4	51699.4	51701.7	-2.3	-7.5
21	195	145118	2950	60	11	51709.6	51712.9	-3.3	51705.4	51707.7	-2.3	-6.9
21	195	145130	2952	60	12	51715.4	51718.7	-3.3	51712.0	51714.2	-2.2	-5.6
21	195	145143	2954	60	13	51719.4	51722.6	-3.2	51718.0	51720.1	-2.1	-2.3
21	195	145154	2956	60	14	51722.8	51726	-3.2	51720.4	51722.5	-2.1	-3.9
21	195	145206	2958	60	15	51726.4	51729.5	-3.1	51719.6	51721.6	-2.0	-11.1
21	195	145219	2960	60	16	51733.2	51736.2	-3.0	51739.2	51741.2	-2.0	9.8

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
21	195	145231	2962	60	17	51739.6	51742.6	-3.0	51745.4	51747.3	-1.9	9.5
21	195	145243	2964	60	18	51742.4	51745.3	-2.9	51752.6	51754.5	-1.9	16.7
21	195	145256	2966	60	19	51744.8	51747.7	-2.9	51764.4	51766.2	-1.8	32.1
21	195	145309	2968	60	20	51741.6	51744.4	-2.8	51763.8	51765.6	-1.8	36.4
21	195	145321	2970	60	21	51732.0	51734.8	-2.8	51765.4	51767.1	-1.7	54.8
21	195	145334	2972	60	22	51712.8	51715.5	-2.7	51758.0	51759.6	-1.6	74.1
21	195	145347	2974	60	23	51683.8	51686.4	-2.6	51749.2	51750.8	-1.6	107.2
21	195	145359	2976	60	24	51637.0	51639.6	-2.6	51705.0	51706.5	-1.5	111.5
21	195	145411	2978	60	25	51592.6	51595.1	-2.5	51666.8	51668.3	-1.5	121.6
21	195	145424	2980	60	26	51542.4	51544.9	-2.5	51595.6	51597.0	-1.4	87.2
21	195	145436	2982	60	27	51502.8	51505.2	-2.4	51550.6	51552.0	-1.4	78.4
21	195	145448	2984	60	28	51487.2	51489.5	-2.3	51524.2	51525.5	-1.3	60.7
21	195	145459	2986	60	29	51480.6	51482.9	-2.3	51509.8	51511.1	-1.3	47.9
21	195	145515	2988	60	30	51476.0	51478.2	-2.2	51497.2	51498.4	-1.2	34.8
21	195	145527	2990	60	31	51467.6	51469.8	-2.2	51484.4	51485.5	-1.1	27.5
21	195	145539	2992	60	32	51439.6	51441.7	-2.1	51445.6	51446.7	-1.1	9.8
21	195	145551	2994	60	33	51390.4	51392.4	-2.0	51383.4	51384.4	-1.0	-11.5
21	195	145604	2996	60	34	51325.0	51327	-2.0	51289.8	51290.8	-1.0	-57.7
21	195	145616	2998	60	35	51244.2	51246.1	-1.9	51128.6	51129.5	-0.9	-189.5
21	195	145630	3000	60	36	51204.8	51206.7	-1.9	?51009.6	51010.5	-0.9	-320.0
21	195	145643	3002	60	37	51216.2	51218	-1.8	?51297	51297.8	-0.8	132.5
21	195	145657	3004	60	38	51043.4	51045.1	-1.7	?50786.2	50786.9	-0.7	-421.6
21	195	145715	3006	60	39	?50868	50869.6	-1.6	?50398	50398.7	-0.7	-770.5
21	195	145729	3008	60	40	?50926	50927.6	-1.6	?50520.8	50521.4	-0.6	-664.3
21	195	145741	3010	60	41	51152.6	51154.1	-1.5	51009.0	51009.5	-0.5	-235.4
21	195	145754	3012	60	42	51450.6	51452.1	-1.5	?51514.2	51514.7	-0.5	104.3
21	195	145807	3014	60	43	51620.4	51621.8	-1.4	51698.4	51698.8	-0.4	127.9
21	195	145819	3016	60	44	51675.4	51676.7	-1.3	?51644.2	51644.6	-0.4	-51.2
21	195	145832	3018	60	45	51693.0	51694.3	-1.3	?51526.4	51526.7	-0.3	-273.1
21	195	145845	3020	60	46	51710.0	51711.2	-1.2	?51570	51570.3	-0.3	-229.5
21	195	145858	3022	60	47	51719.4	51720.5	-1.1	51653.2	51653.4	-0.2	-108.5
21	195	145910	3024	60	48	51665.4	51666.5	-1.1	51644.8	51644.9	-0.1	-33.8
21	195	145923	3026	60	49	51521.4	51522.4	-1.0	51471.6	51471.7	-0.1	-81.6
21	195	145935	3028	60	50	51323.8	51324.8	-1.0	?51107.8	51107.8	0.0	-354.1
21	195	145950	3030	60	51	?51168.4	51169.3	-0.9	?50860.4	50860.4	0.0	-504.9
21	195	150005	3032	60	52	?51096	51096.8	-0.8	?50896.6	50896.5	0.1	-326.9
21	195	150025	3034	60	53	?51100.2	51100.9	-0.7	?50800.8	50800.6	0.2	-490.8
21	195	150039	3036	60	54	?51186	51186.7	-0.7	?50749	50748.8	0.2	-716.4
21	195	150054	3038	60	55	?51559	51559.6	-0.6	?51171.8	51171.5	0.3	-634.8
21	195	150107	3040	60	56	?52190.8	52191.3	-0.5	?52279.4	52279.0	0.4	145.2
21	195	150121	3042	60	57	?52736.2	52736.7	-0.5	?53359.8	53359.4	0.4	1022.3
21	195	150150	3044	60	58	?52890.8	52891.1	-0.3	?53328.8	53328.2	0.6	718.0
21	195	150225	3046	60	59	52682.8	52683	-0.2	52784.0	52783.3	0.7	165.9
21	195	150237	3048	60	60	52360.4	52360.5	-0.1	52290.0	52289.2	0.8	-115.4
21	195	150249	3050	60	61	52136.6	52136.6	0.0	52043.0	52042.2	0.8	-153.4
21	195	150304	3052	60	62	51996.0	51996	0.0	51922.0	51921.1	0.9	-121.3
21	195	150315	3054	60	63	51901.4	51901.3	0.1	51843.2	51842.3	0.9	-95.4
21	195	150327	3056	60	64	51843.2	51843.1	0.1	51792.2	51791.2	1.0	-83.6
21	195	150339	3058	60	65	51798.8	51798.6	0.2	51760.6	51759.5	1.1	-62.6

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
21	195	150355	3060	60	66	51769.6	51769.3	0.3	51739.4	51738.3	1.1	-49.5
21	195	150406	3062	60	67	51743.8	51743.5	0.3	51719.2	51718.0	1.2	-40.3
21	195	150418	3064	60	68	51713.6	51713.2	0.4	51697.0	51695.8	1.2	-27.2
21	195	150432	3066	60	69	51674.0	51673.6	0.4	51664.0	51662.7	1.3	-16.4
21	195	150444	3068	60	70	51600.6	51600.1	0.5	51603.8	51602.5	1.3	5.2
21	195	150501	3070	60	71	51402.2	51401.6	0.6	51454.6	51453.2	1.4	85.9
21	195	150514	3072	60	72	50510.2	50509.6	0.6	50767.2	50765.7	1.5	421.3
21	195	150527	3074	60	73	51754.2	51753.5	0.7	49978.2	49976.7	1.5	-2911.5
21	195	150540	3076	60	74	51435.6	51434.8	0.8	51220.8	51219.2	1.6	-352.1
21	195	150553	3078	60	75	51597.2	51596.4	0.8	51554.8	51553.2	1.6	-69.5
21	195	150606	3080	60	76	51664.8	51663.9	0.9	51639.6	51637.9	1.7	-41.3
21	195	150617	3082	60	77	51696.2	51695.3	0.9	51675.2	51673.4	1.8	-34.4
21	195	150630	3084	60	78	51711.4	51710.4	1.0	51697.2	51695.4	1.8	-23.3
21	195	150642	3086	60	79	51720.4	51719.3	1.1	51708.6	51706.7	1.9	-19.3
22	195	151040	3088	63	68	51721.2	51719	2.2	51704.4	51701.5	2.9	-27.5
22	195	151055	3090	63	67	51745.0	51742.7	2.3	51726.4	51723.4	3.0	-30.5
22	195	151107	3092	63	66	51767.4	51765.1	2.3	51744.8	51741.7	3.1	-37.1
22	195	151119	3094	63	65	51800.4	51798	2.4	51771.2	51768.1	3.1	-47.9
22	195	151132	3096	63	64	51839.6	51837.1	2.5	51802.6	51799.4	3.2	-60.7
22	195	151143	3098	63	63	51897.6	51895.1	2.5	51851.2	51848.0	3.2	-76.1
22	195	151157	3100	63	62	51994.8	51992.2	2.6	51933.2	51929.9	3.3	-101.0
22	195	151209	3102	63	61	52136.6	52134	2.6	52060.8	52057.5	3.3	-124.3
22	195	151222	3104	63	60	52404.2	52401.5	2.7	52386.2	52382.8	3.4	-29.5
22	195	151234	3106	63	59	52815	52812.3	2.7	53126.8	53123.4	3.4	511.1
22	195	151248	3108	63	58	53104	53101.2	2.8	53871.6	53868.1	3.5	1258.4
22	195	151300	3110	63	57	52941.2	52938.3	2.9	53413.8	53410.2	3.6	774.8
22	195	151313	3112	63	56	52338.8	52335.9	2.9	52294.6	52291.0	3.6	-72.5
22	195	151325	3114	63	55	51482.8	51479.8	3.0	50787.8	50784.1	3.7	-1139.3
22	195	151338	3116	63	54	50798.8	50795.7	3.1	49901.4	49897.7	3.7	-1471.2
22	195	151351	3118	63	53	50573.2	50570.1	3.1	49808.4	49804.6	3.8	-1253.8
22	195	151407	3120	63	52	50803.6	50800.4	3.2	50356	50352.2	3.8	-733.8
22	195	151420	3122	63	51	51128.6	51125.3	3.3	50933.8	50929.9	3.9	-319.3
22	195	151433	3124	63	50	51419.8	51416.5	3.3	51282.4	51278.4	4.0	-225.2
22	195	151445	3126	63	49	51739.6	51736.2	3.4	51764.4	51760.4	4.0	40.7
22	195	151505	3128	63	48	52051.6	52048.1	3.5	52257.4	52253.3	4.1	337.4
22	195	151518	3130	63	47	52256.6	52253.1	3.5	52574	52569.8	4.2	520.3
22	195	151532	3132	63	46	52363.8	52360.2	3.6	52613.6	52609.4	4.2	409.5
22	195	151548	3134	63	45	52420.6	52416.9	3.7	52639.6	52635.3	4.3	359.0
22	195	151603	3136	63	44	52467	52463.3	3.7	52793.4	52789.0	4.4	535.1
22	195	151617	3138	63	43	52509.6	52505.8	3.8	52810.2	52805.8	4.4	492.8
22	195	151632	3140	63	42	52287.8	52283.9	3.9	52914.8	52910.3	4.5	1027.9
22	195	151646	3142	63	41	51777.0	51773	4.0	51878	51873.4	4.6	165.6
22	195	151659	3144	63	40	51239.2	51235.2	4.0	50792.8	50788.2	4.6	-731.8
22	195	151714	3146	63	39	51019.2	51015.1	4.1	50513.8	50509.1	4.7	-828.5
22	195	151727	3148	63	38	51169.0	51164.9	4.1	50969.8	50965.1	4.7	-326.6
22	195	151739	3150	63	37	51414.2	51410	4.2	51798	51793.2	4.8	629.2
22	195	151753	3152	63	36	51369.2	51364.9	4.3	51206.4	51201.5	4.9	-266.9
22	195	151805	3154	63	35	51272.4	51268.1	4.3	51048.4	51043.5	4.9	-367.2
22	195	151820	3156	63	34	51300.0	51295.6	4.4	51217.2	51212.2	5.0	-135.7

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
22	195	151833	3158	63	33	51353.8	51349.3	4.5	51336.2	51331.2	5.0	-28.9
22	195	151847	3160	63	32	51378.6	51374.1	4.5	51378.8	51373.7	5.1	0.3
22	195	151900	3162	63	31	51357.6	51353	4.6	51358.2	51353.0	5.2	1.0
22	195	151913	3164	63	30	51280.4	51275.7	4.7	51277.8	51272.6	5.2	-4.3
22	195	151925	3166	63	29	51138.2	51133.5	4.7	51127.8	51122.5	5.3	-17.0
22	195	151938	3168	63	28	50904.4	50899.6	4.8	50885.6	50880.3	5.3	-30.8
22	195	151951	3170	63	27	50589.4	50584.6	4.8	50530.8	50525.4	5.4	-96.1
22	195	152005	3172	63	26	50402.6	50397.7	4.9	50339	50333.6	5.4	-104.3
22	195	152018	3174	63	25	50502.6	50497.6	5.0	50641.6	50636.1	5.5	227.9
22	195	152031	3176	63	24	51019.2	51014.2	5.0	51340.2	51334.6	5.6	526.2
22	195	152046	3178	63	23	51409.2	51404.1	5.1	51702.2	51696.6	5.6	480.3
22	195	152105	3180	63	22	51611.4	51606.2	5.2	51818.4	51812.7	5.7	339.3
22	195	152121	3182	63	21	51701.4	51696.1	5.3	51828.0	51822.2	5.8	207.5
22	195	152133	3184	63	20	51731.6	51726.3	5.3	51806.0	51800.2	5.8	122.0
22	195	152146	3186	63	19	51739.8	51734.4	5.4	51789.4	51783.5	5.9	81.3
22	195	152214	3188	63	18	51741.8	51736.3	5.5	51773.0	51767.0	6.0	51.1
22	195	152243	3190	63	17	51740.0	51734.3	5.7	51763.6	51757.4	6.2	38.7
22	195	152256	3192	63	16	51738.0	51732.3	5.7	51756.0	51749.8	6.2	29.5
22	195	152308	3194	63	15	51734.8	51729	5.8	51748.0	51741.7	6.3	21.6
22	195	152321	3196	63	14	51731.8	51726	5.8	51740.4	51734.1	6.3	14.1
22	195	152333	3198	63	13	51727.6	51721.7	5.9	51734.0	51727.6	6.4	10.5
22	195	152345	3200	63	12	51723.0	51717.1	5.9	51727.6	51721.2	6.4	7.5
22	195	152359	3202	63	11	51718.0	51712	6.0	51722.0	51715.5	6.5	6.6
22	195	152411	3204	63	10	51713.8	51707.7	6.1	51716.8	51710.3	6.5	4.9
22	195	152423	3206	63	9	51709.0	51702.9	6.1	51711.2	51704.6	6.6	3.6
22	195	152435	3208	63	8	51703.6	51697.4	6.2	51704.0	51697.3	6.7	0.7
22	195	152447	3210	63	7	51696.8	51690.6	6.2	51696.0	51689.3	6.7	-1.3
22	195	152459	3212	63	6	51689.2	51682.9	6.3	51687.0	51680.2	6.8	-3.6
22	195	152512	3214	63	5	51680.6	51674.2	6.4	51676.2	51669.4	6.8	-7.2
22	195	152538	3216	63	4	51669.8	51663.3	6.5	51660.2	51653.3	6.9	-15.7
22	195	152550	3218	63	3	51653.8	51647.3	6.5	51638.2	51631.2	7.0	-25.6
22	195	152603	3220	63	2	51627.6	51621	6.6	51599.2	51592.2	7.0	-46.6
22	195	152615	3222	63	1	51578.0	51571.3	6.7	51518.6	51511.5	7.1	-97.4
22	195	152627	3224	63	0	51454.4	51447.7	6.7	51358.0	51350.8	7.2	-158.0
23	195	153059	3228	66	0	51556.2	51549	7.2	51410.6	51403.0	7.6	-238.7
23	195	153112	3230	66	1	51608.4	51600.7	7.7	51553.2	51545.2	8.0	-90.5
23	195	153125	3232	66	2	51637.0	51629.3	7.7	51610.0	51601.9	8.1	-44.3
23	195	153136	3234	66	3	51651.2	51643.5	7.7	51637.6	51629.5	8.1	-22.3
23	195	153148	3236	66	4	51655.2	51647.4	7.8	51643.8	51635.7	8.1	-18.7
23	195	153201	3238	66	5	51661.0	51653.2	7.8	51646.8	51638.6	8.2	-23.3
23	195	153214	3240	66	6	51676.0	51668.2	7.8	51659.0	51650.8	8.2	-27.9
23	195	153227	3242	66	7	51692.4	51684.5	7.9	51679.4	51671.2	8.2	-21.3
23	195	153239	3244	66	8	51705.4	51697.5	7.9	51696.4	51688.2	8.2	-14.8
23	195	153252	3246	66	9	51713.4	51705.5	7.9	51706.8	51698.5	8.3	-10.8
23	195	153306	3248	66	10	51718.2	51710.2	8.0	51714.4	51706.1	8.3	-6.2
23	195	153319	3250	66	11	51720.2	51712.2	8.0	51718.2	51709.9	8.3	-3.3
23	195	153332	3252	66	12	51720.4	51712.4	8.0	51711.4	51703.0	8.4	-14.8
23	195	153345	3254	66	13	51724.2	51716.1	8.1	51723.2	51714.8	8.4	-1.6
23	195	153357	3256	66	14	51727.6	51719.5	8.1	51732.8	51724.4	8.4	8.5

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
23	195	153409	3258	66	15	51726.8	51718.7	8.1	51727.4	51718.9	8.5	1.0
23	195	153422	3260	66	16	51727.6	51719.4	8.2	51736.2	51727.7	8.5	14.1
23	195	153434	3262	66	17	51726.8	51718.6	8.2	51739.8	51731.3	8.5	21.3
23	195	153446	3264	66	18	51720.4	51712.2	8.2	51747.0	51738.5	8.5	43.6
23	195	153458	3266	66	19	51705.0	51696.7	8.3	51746.6	51738.0	8.6	68.2
23	195	153511	3268	66	20	51674.8	51666.5	8.3	51748.2	51739.6	8.6	120.3
23	195	153523	3270	66	21	51597.6	51589.3	8.3	51723.2	51714.6	8.6	205.9
23	195	153535	3272	66	22	51401.2	51392.8	8.4	51596.4	51587.7	8.7	320.0
23	195	153547	3274	66	23	50940.6	50932.2	8.4	51128.8	51120.1	8.7	308.5
23	195	153600	3276	66	24	49871.4	49863	8.4	49533.4	49524.7	8.7	-554.1
23	195	153618	3278	66	25	58601.2	58592.7	8.5	58588	58579.2	8.8	-21.6
23	195	153650	3280	66	26	48059.8	48051.3	8.5	58610.4	58601.6	8.8	17296.1
23	195	153712	3282	66	27	49340.2	49331.6	8.6	52037.8	52028.9	8.9	4422.3
23	195	153728	3284	66	28	50639.6	50631	8.6	50271	50262.1	8.9	-604.3
23	195	153742	3286	66	29	51265.8	51257.1	8.7	51080	51071.0	9.0	-304.6
23	195	153755	3288	66	30	51476.2	51467.5	8.7	51323.6	51314.6	9.0	-250.2
23	195	153807	3290	66	31	51609.4	51600.7	8.7	51611.8	51602.8	9.0	3.9
23	195	153818	3292	66	32	51604.0	51595.2	8.8	51579.8	51570.7	9.1	-39.7
23	195	153832	3294	66	33	51524.6	51515.8	8.8	51478.8	51469.7	9.1	-75.1
23	195	153845	3296	66	34	51443.0	51434.2	8.8	51356.0	51346.9	9.1	-142.6
23	195	153857	3298	66	35	51415.8	51406.9	8.9	51224.6	51215.5	9.1	-313.4
23	195	153914	3300	66	36	51569.8	51560.9	8.9	51981.4	51972.2	9.2	674.8
23	195	153928	3302	66	37	51588.2	51579.2	9.0	52045.6	52036.4	9.2	749.8
23	195	153942	3304	66	38	51319.8	51310.8	9.0	51117.4	51108.1	9.3	-331.8
23	195	153956	3306	66	39	51132.6	51123.6	9.0	50735.4	50726.1	9.3	-651.1
23	195	154008	3308	66	40	51201.6	51192.5	9.1	50847.8	50838.5	9.3	-580.0
23	195	154021	3310	66	41	51495.4	51486.3	9.1	51319.6	51310.3	9.3	-288.2
23	195	154035	3312	66	42	51845.6	51836.5	9.1	51837	51827.6	9.4	-14.1
23	195	154049	3314	66	43	52056.6	52047.4	9.2	51940.8	51931.4	9.4	-189.8
23	195	154102	3316	66	44	52272.0	52262.8	9.2	52109.2	52099.8	9.4	-266.9
23	195	154115	3318	66	45	52471.6	52462.4	9.2	52433.2	52423.7	9.5	-63.0
23	195	154127	3320	66	46	52600.6	52591.3	9.3	52764.8	52755.3	9.5	269.2
23	195	154139	3322	66	47	52563.6	52554.3	9.3	52803.4	52793.9	9.5	393.1
23	195	154151	3324	66	48	52346.0	52336.7	9.3	52452.0	52442.4	9.6	173.8
23	195	154204	3326	66	49	52025.8	52016.4	9.4	51958.0	51948.4	9.6	-111.1
23	195	154217	3328	66	50	51791.4	51782	9.4	51617.6	51608.0	9.6	-284.9
23	195	154231	3330	66	51	51648.2	51638.8	9.4	51636.4	51626.7	9.7	-19.3
23	195	154244	3332	66	52	51586.2	51576.7	9.5	51404.2	51394.5	9.7	-298.4
23	195	154257	3334	66	53	51854.6	51845.1	9.5	51759.4	51749.7	9.7	-156.1
23	195	154309	3336	66	54	52471.8	52462.3	9.5	53136.6	53126.9	9.7	1089.8
23	195	154323	3338	66	55	53400.2	53390.6	9.6	55146.4	55136.6	9.8	2862.6
23	195	154336	3340	66	56	53895.2	53885.6	9.6	55594.4	55584.6	9.8	2785.6
23	195	154351	3342	66	57	53930	53920.4	9.6	55177.4	55167.6	9.8	2044.9
23	195	154405	3344	66	58	53365.6	53355.9	9.7	54530.6	54520.7	9.9	1909.8
23	195	154418	3346	66	59	53022	53012.3	9.7	53234.2	53224.3	9.9	347.9
23	195	154433	3348	66	60	52516.8	52507.1	9.7	52461.8	52451.9	9.9	-90.2
23	195	154445	3350	66	61	52194.2	52184.4	9.8	52111.4	52101.4	10.0	-135.7
23	195	154501	3352	66	62	52004.4	51994.6	9.8	51937.8	51927.8	10.0	-109.2
23	195	154513	3354	66	63	51905.0	51895.2	9.8	51851.4	51841.4	10.0	-87.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
23	195	154526	3356	66	64	51848.0	51838.1	9.9	51803.4	51793.3	10.1	-73.1
23	195	154539	3358	66	65	51809.2	51799.3	9.9	51768.2	51758.1	10.1	-67.2
23	195	154550	3360	66	66	51783.2	51773.3	9.9	51742.0	51731.9	10.1	-67.5
23	195	154602	3362	66	67	51779.0	51769	10.0	51728.0	51717.8	10.2	-83.6
23	195	154614	3364	66	68	51816.0	51806	10.0	51831.2	51821.0	10.2	24.9
24	195	155510	3368	69	80	51728.6	51717.2	11.4	51731.2	51719.7	11.5	4.3
24	195	155526	3370	69	79	51728.8	51717.4	11.4	51723.2	51711.7	11.5	-9.2
24	195	155540	3372	69	78	51717.8	51706.3	11.5	51706.0	51694.5	11.5	-19.3
24	195	155555	3374	69	77	51695.4	51683.9	11.5	51673.6	51662.0	11.6	-35.7
24	195	155609	3376	69	76	51662.6	51651.1	11.5	51627.2	51615.6	11.6	-58.0
24	195	160103	3378	69	75	51610.0	51597.7	12.3	51523.4	51511.1	12.3	-142.0
24	195	160118	3380	69	74	51458.8	51446.5	12.3	51308.0	51295.7	12.3	-247.2
24	195	160133	3382	69	73	510903.8	50891.4	12.4	510837.6	50825.2	12.4	-108.5
24	195	160147	3384	69	72	51206.0	51193.6	12.4	51303.4	51291.0	12.4	159.7
24	195	160201	3386	69	71	51526.4	51514	12.4	51556.6	51544.2	12.4	49.5
24	195	160213	3388	69	70	51646.8	51634.3	12.5	51653.6	51641.1	12.5	11.1
24	195	160225	3390	69	69	51704.4	51691.9	12.5	51699.4	51686.9	12.5	-8.2
24	195	160238	3392	69	68	51732.8	51720.3	12.5	51720.0	51707.5	12.5	-21.0
24	195	160250	3394	69	67	51749.2	51736.6	12.6	51732.8	51720.2	12.6	-26.9
24	195	160302	3396	69	66	51764.6	51752	12.6	51744.0	51731.4	12.6	-33.8
24	195	160316	3398	69	65	51783.2	51770.6	12.6	51757.2	51744.6	12.6	-42.6
24	195	160330	3400	69	64	51804.4	51791.7	12.7	51772.6	51759.9	12.7	-52.1
24	195	160342	3402	69	63	51835.4	51822.7	12.7	51790.0	51777.3	12.7	-74.4
24	195	160355	3404	69	62	51887.4	51874.7	12.7	51816.2	51803.5	12.7	-116.7
24	195	160413	3406	69	61	51945.4	51932.6	12.8	51880.6	51867.8	12.8	-106.2
24	195	160426	3408	69	60	52041.2	52028.4	12.8	51961.8	51949.0	12.8	-130.2
24	195	160439	3410	69	59	52177.8	52165	12.8	52101.4	52088.6	12.8	-125.2
24	195	160452	3412	69	58	52312.2	52299.3	12.9	52260.8	52248.0	12.8	-84.3
24	195	160505	3414	69	57	52398.4	52385.5	12.9	52350	52337.1	12.9	-79.3
24	195	160519	3416	69	56	52324.2	52311.3	12.9	52238.4	52225.5	12.9	-140.7
24	195	160532	3418	69	55	52057.8	52044.8	13.0	51847.2	51834.3	12.9	-345.2
24	195	160546	3420	69	54	51741.2	51728.2	13.0	51525.8	51512.8	13.0	-353.1
24	195	160559	3422	69	53	51468.6	51455.6	13.0	51162.4	51149.4	13.0	-502.0
24	195	160613	3424	69	52	51403.6	51390.5	13.1	51184	51171.0	13.0	-360.0
24	195	160628	3426	69	51	51574.6	51561.5	13.1	51484.2	51471.1	13.1	-148.2
24	195	160641	3428	69	50	51855.2	51842	13.2	51799.2	51786.1	13.1	-91.8
24	195	160653	3430	69	49	52213.4	52200.2	13.2	52263.6	52250.5	13.1	82.3
24	195	160706	3432	69	48	52627.8	52614.6	13.2	52880	52866.8	13.2	413.4
24	195	160719	3434	69	47	53059.2	53045.9	13.3	53550.4	53537.2	13.2	805.3
24	195	160732	3436	69	46	53431.8	53418.5	13.3	54602.6	54589.4	13.2	1919.3
24	195	160746	3438	69	45	53504.8	53491.5	13.3	55401.4	55388.1	13.3	3109.2
24	195	160759	3440	69	44	52786	52772.6	13.4	53205.4	53192.1	13.3	687.5
24	195	160812	3442	69	43	52019.6	52006.2	13.4	51422.8	51409.5	13.3	-978.4
24	195	160824	3444	69	42	51653.2	51639.8	13.4	51223	51209.6	13.4	-705.2
24	195	160842	3446	69	41	51539.6	51526.1	13.5	51321.4	51308.0	13.4	-357.7
24	195	160855	3448	69	40	51411.8	51398.3	13.5	51072.2	51058.8	13.4	-556.7
24	195	160910	3450	69	39	51159.8	51146.3	13.5	516711.2	16697.7	13.5	-56473.1
24	195	160923	3452	69	38	51220.6	51207	13.6	50925.6	50912.1	13.5	-483.6
24	195	160936	3454	69	37	51380.2	51366.6	13.6	51515.6	51502.1	13.5	222.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
24	195	160951	3456	69	36	51404.0	51390.4	13.6	51342.0	51328.4	13.6	-101.6
24	195	161003	3458	69	35	51441.2	51427.5	13.7	51312.8	51299.2	13.6	-210.5
24	195	161015	3460	69	34	51583.6	51569.9	13.7	51502.6	51489.0	13.6	-132.8
24	195	161026	3462	69	33	51774.8	51761.1	13.7	51747.8	51734.2	13.6	-44.3
24	195	161039	3464	69	32	52071.8	52058	13.8	52071.8	52058.1	13.7	0.0
24	195	161052	3466	69	31	52555.8	52544.2	13.8	52663.2	52649.5	13.7	172.5
24	195	161105	3468	69	30	53350.4	53336.6	13.8	53910.6	53896.9	13.7	918.4
24	195	161118	3470	69	29	54670	54656.1	13.9	58534.2	58520.4	13.8	6334.8
24	195	161134	3472	69	28	58349	58335.1	13.9	58602	58588.2	13.8	414.8
24	195	161151	3474	69	27	58616	58602.1	13.9	58625.2	58611.4	13.8	15.1
24	195	161208	3476	69	26	51980.2	51966.2	14.0	58549	58535.1	13.9	10768.5
24	195	161222	3478	69	25	50986.2	50972.2	14.0	50456.4	50442.5	13.9	-868.5
24	195	161312	3480	69	24	50999.2	50985	14.2	50802.8	50788.8	14.0	-322.0
24	195	161324	3482	69	23	51212.0	51197.8	14.2	51212.2	51198.1	14.1	0.3
24	195	161336	3484	69	22	51402.0	51387.8	14.2	51445.0	51430.9	14.1	70.5
24	195	161348	3486	69	21	51534.4	51520.1	14.3	51578.2	51564.1	14.1	71.8
24	195	161359	3488	69	20	51616.8	51602.5	14.3	51656.4	51642.2	14.2	64.9
24	195	161412	3490	69	19	51663.8	51649.5	14.3	51705.8	51691.6	14.2	68.9
24	195	161424	3492	69	18	51694.0	51679.7	14.3	51731.4	51717.2	14.2	61.3
24	195	161435	3494	69	17	51709.8	51695.4	14.4	51734.0	51719.8	14.2	39.7
24	195	161447	3496	69	16	51721.8	51707.4	14.4	51751.0	51736.7	14.3	47.9
24	195	161459	3498	69	15	51721.2	51706.8	14.4	51729.0	51714.7	14.3	12.8
24	195	161511	3500	69	14	51719.6	51705.1	14.5	51724.4	51710.1	14.3	7.9
24	195	161524	3502	69	13	51721.4	51706.9	14.5	51727.2	51712.8	14.4	9.5
24	195	161537	3504	69	12	51721.0	51706.5	14.5	51728.2	51713.8	14.4	11.8
24	195	161550	3506	69	11	51721.2	51706.6	14.6	51725.4	51711.0	14.4	6.9
24	195	161601	3508	69	10	51721.0	51706.4	14.6	51722.8	51708.4	14.4	3.0
24	195	161613	3510	69	9	51723.0	51708.4	14.6	51720.2	51705.7	14.5	-4.6
24	195	161626	3512	69	8	51734.4	51719.7	14.7	51720.8	51706.3	14.5	-22.3
24	195	161639	3514	69	7	51797.8	51783.1	14.7	51752.2	51737.7	14.5	-74.8
24	195	161653	3516	69	6	52225.8	52211.1	14.7	52019	52004.4	14.6	-339.0
24	195	161710	3518	69	5	52287.2	52272.4	14.8	58595.4	58580.8	14.6	10341.3
24	195	161729	3520	69	4	51444.2	51429.4	14.8	50955.4	50940.8	14.6	-801.3
24	195	161741	3522	69	3	51582.6	51567.7	14.9	51582.8	51568.1	14.7	0.3
24	195	161753	3524	69	2	51619.4	51604.5	14.9	51619.0	51604.3	14.7	-0.7
24	195	161806	3526	69	1	51603.4	51588.5	14.9	51606.0	51591.3	14.7	4.3
24	195	161839	3528	69	0	51580.0	51565	15.0	51570.6	51555.8	14.8	-15.4
25	196	90455	2	72	0	51534.2	51515.8	18.4	51453.2	51432.2	21.0	-132.8
25	196	90512	4	72	1	51615.8	51597.4	18.4	51577.8	51556.9	20.9	-62.3
25	196	90527	6	72	2	51652.6	51634.3	18.3	51628.4	51607.6	20.8	-39.7
25	196	90545	8	72	3	51669.0	51650.7	18.3	51649.4	51628.6	20.8	-32.1
25	196	90601	10	72	4	51680.2	51662	18.2	51661.4	51640.7	20.7	-30.8
25	196	90616	12	72	5	51695.0	51676.8	18.2	51675.0	51654.3	20.7	-32.8
25	196	90629	14	72	6	51712.8	51694.6	18.2	51693.8	51673.2	20.6	-31.1
25	196	90643	16	72	7	51724.8	51706.7	18.1	51707.4	51686.8	20.6	-28.5
25	196	90658	18	72	8	51729.0	51710.9	18.1	51718.8	51698.3	20.5	-16.7
25	196	90711	20	72	9	51731.8	51713.8	18.0	51723.0	51702.5	20.5	-14.4
25	196	90724	22	72	10	51734.2	51716.2	18.0	51727.4	51707.0	20.4	-11.1
25	196	90738	24	72	11	51736.2	51718.2	18.0	51734.6	51714.2	20.4	-2.6

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
25	196	90752	26	72	12	51736.4	51718.5	17.9	51736.2	51715.8	20.4	-0.3
25	196	90805	28	72	13	51736.6	51718.7	17.9	51736.4	51716.1	20.3	-0.3
25	196	90820	30	72	14	51734.2	51716.4	17.8	51731.6	51711.3	20.3	-4.3
25	196	90833	32	72	15	51731.2	51713.4	17.8	51728.6	51708.4	20.2	-4.3
25	196	90846	34	72	16	51728.4	51710.6	17.8	51736.2	51716.0	20.2	12.8
25	196	90900	36	72	17	51721.6	51703.9	17.7	51732.8	51712.7	20.1	18.4
25	196	90916	38	72	18	51708.2	51690.5	17.7	51717.6	51697.5	20.1	15.4
25	196	90930	40	72	19	51669	51651.4	17.6	51697.6	51677.6	20.0	46.9
25	196	90947	42	72	20	51656.4	51638.8	17.6	51669.2	51649.2	20.0	21.0
25	196	91012	44	72	21	51622.8	51605.3	17.5	51631.0	51611.1	19.9	13.4
25	196	91026	46	72	22	51576.6	51559.1	17.5	51572.8	51553.0	19.8	-6.2
25	196	91041	48	72	23	51548.2	51530.8	17.4	51520.4	51500.6	19.8	-45.6
25	196	91055	50	72	24	51557.6	51540.2	17.4	51483.4	51463.7	19.7	-121.6
25	196	91109	52	72	25	51655.8	51638.5	17.3	51529.8	51510.1	19.7	-206.6
25	196	91121	54	72	26	51936.8	51919.5	17.3	51775	51755.3	19.7	-265.2
25	196	91135	56	72	27	52415.6	52398.3	17.3	52322.8	52303.2	19.6	-152.1
25	196	91149	58	72	28	52843.8	52826.6	17.2	52915.4	52895.8	19.6	117.4
25	196	91203	60	72	29	52897.6	52880.4	17.2	53011.4	52991.9	19.5	186.6
25	196	91218	62	72	30	52585.4	52568.2	17.2	52629.6	52610.1	19.5	72.5
25	196	91230	64	72	31	52241.6	52224.5	17.1	52235.8	52216.4	19.4	-9.5
25	196	91244	66	72	32	51964.6	51947.5	17.1	51927.8	51908.4	19.4	-60.3
25	196	91258	68	72	33	51762.4	51745.4	17.0	51715.8	51696.5	19.3	-76.4
25	196	91312	70	72	34	51599.0	51582	17.0	51504.8	51485.5	19.3	-154.4
25	196	91326	72	72	35	51465.4	51448.4	17.0	51390.8	51371.6	19.2	-122.3
25	196	91341	74	72	36	51322.6	51305.7	16.9	51094.6	51075.4	19.2	-373.8
25	196	91356	76	72	37	51245.8	51228.9	16.9	50883.4	50864.3	19.1	-594.1
25	196	91410	78	72	38	51326.2	51309.4	16.8	50893.4	50874.3	19.1	-709.5
25	196	91425	80	72	39	51661.2	51644.4	16.8	51432	51413.0	19.0	-375.7
25	196	91442	82	72	40	52096.4	52079.7	16.7	52567.4	52548.4	19.0	772.1
25	196	91456	84	72	41	52154.6	52137.9	16.7	52409.4	52390.5	18.9	417.7
25	196	91510	86	72	42	52017.6	52000.9	16.7	51908.6	51889.7	18.9	-178.7
25	196	91535	88	72	43	52051.0	52034.4	16.6	51940.4	51921.6	18.8	-181.3
25	196	91548	90	72	44	52222.6	52206	16.6	52250.4	52231.6	18.8	45.6
25	196	91602	92	72	45	52391.2	52374.7	16.5	52360.4	52341.7	18.7	-50.5
25	196	91616	94	72	46	52572.2	52555.7	16.5	52736	52717.3	18.7	268.5
25	196	91629	96	72	47	52699	52682.6	16.4	52991.2	52972.6	18.6	479.0
25	196	91643	98	72	48	52604.2	52587.8	16.4	52860.2	52841.6	18.6	419.7
25	196	91657	100	72	49	52266.2	52249.8	16.4	52505.4	52486.9	18.5	392.1
25	196	91711	102	72	50	51789.0	51772.7	16.3	51888.6	51870.1	18.5	163.3
25	196	91725	104	72	51	51151.6	51135.3	16.3	51061.4	51043.0	18.4	-147.9
25	196	91744	106	72	52	50319.2	50303	16.2	52914.6	52896.2	18.4	4254.8
25	196	91802	108	72	53	50077	50060.8	16.2	47997.8	47979.5	18.3	-3408.5
25	196	91826	110	72	54	51093	51076.9	16.1	58602	58583.8	18.2	12309.8
25	196	91845	112	72	55	51968.6	51952.6	16.0	58602.2	58584.0	18.2	10874.8
25	196	91901	114	72	56	52088.6	52072.6	16.0	52104	52085.9	18.1	25.2
25	196	91914	116	72	57	52148.4	52132.4	16.0	52327.8	52309.7	18.1	294.1
25	196	91927	118	72	58	52191.2	52175.3	15.9	52160.8	52142.8	18.0	-49.8
25	196	91940	120	72	59	52099.8	52083.9	15.9	51987.6	51969.6	18.0	-183.9
25	196	91956	122	72	60	51936.4	51920.6	15.8	51720.4	51702.5	17.9	-354.1

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
25	196	92009	124	72	61	51866.2	51850.4	15.8	51738.8	51720.9	17.9	-208.9
25	196	92024	126	72	62	51834.8	51819	15.8	51755.2	51737.4	17.8	-130.5
25	196	92037	128	72	63	51810.6	51794.9	15.7	51756.0	51738.2	17.8	-89.5
25	196	92049	130	72	64	51794.2	51778.5	15.7	51749.0	51731.3	17.7	-74.1
25	196	92101	132	72	65	51780.8	51765.1	15.7	51744.4	51726.7	17.7	-59.7
25	196	92113	134	72	66	51768.6	51753	15.6	51737.8	51720.1	17.7	-50.5
25	196	92126	136	72	67	51754.2	51738.6	15.6	51729.6	51712.0	17.6	-40.3
25	196	92139	138	72	68	51730.6	51715.1	15.5	51713.4	51695.8	17.6	-28.2
25	196	92153	140	72	69	51694.6	51679.1	15.5	51686.0	51668.5	17.5	-14.1
25	196	92207	142	72	70	51629.6	51614.1	15.5	51632.4	51614.9	17.5	4.6
25	196	92220	144	72	71	51493.2	51477.8	15.4	51502.0	51484.6	17.4	14.4
25	196	92233	146	72	72	51099.6	51084.2	15.4	51004.6	50987.2	17.4	-155.7
25	196	92249	148	72	73	510158.2	50142.9	15.3	5149592.2	49574.9	17.3	-927.9
25	196	92307	150	72	74	511123.6	51108.3	15.3	51266.4	51249.1	17.3	234.1
25	196	92320	152	72	75	51601.2	51585.9	15.3	51393.0	51375.8	17.2	-341.3
25	196	92334	154	72	76	51656.0	51640.8	15.2	51576.2	51559.0	17.2	-130.8
25	196	92347	156	72	77	51698.4	51683.2	15.2	51660.0	51642.9	17.1	-63.0
25	196	92402	158	72	78	51726.2	51711.1	15.1	51701.6	51684.5	17.1	-40.3
26	196	92857	160	75	78	51710.4	51696.1	14.3	51702.2	51686.1	16.1	-13.4
26	196	92914	162	75	77	51678.6	51664.4	14.2	51657.0	51641.0	16.0	-35.4
26	196	92928	164	75	76	51622.4	51608.2	14.2	51582.4	51566.4	16.0	-65.6
26	196	92941	166	75	75	51514.8	51500.6	14.2	51367.0	51351.0	16.0	-242.3
26	196	92957	168	75	74	51441	51426.9	14.1	510483.2	50467.3	15.9	-1570.2
26	196	93012	170	75	73	510860	50845.9	14.1	5149661.4	49645.5	15.9	-1964.9
26	196	93031	172	75	72	511136.8	51122.8	14.0	511140.6	51124.8	15.8	6.2
26	196	93046	174	75	71	51505.6	51491.6	14.0	51502.8	51487.1	15.7	-4.6
26	196	93058	176	75	70	51637.2	51623.3	13.9	51649.2	51633.5	15.7	19.7
26	196	93112	178	75	69	51700.8	51686.9	13.9	51703.4	51687.7	15.7	4.3
26	196	93124	180	75	68	51736.0	51722.1	13.9	51731.2	51715.6	15.6	-7.9
26	196	93136	182	75	67	51759.8	51746	13.8	51748.8	51733.2	15.6	-18.0
26	196	93151	184	75	66	51779.6	51765.8	13.8	51761.0	51745.5	15.5	-30.5
26	196	93203	186	75	65	51800.4	51786.6	13.8	51771.8	51756.3	15.5	-46.9
26	196	93220	188	75	64	51831.4	51817.7	13.7	51787.4	51772.0	15.4	-72.1
26	196	93232	190	75	63	51884.8	51871.1	13.7	51823.6	51808.2	15.4	-100.3
26	196	93244	192	75	62	51970.6	51957	13.6	51891.6	51876.3	15.3	-129.5
26	196	93257	194	75	61	52132.6	52119	13.6	52025.0	52009.7	15.3	-176.4
26	196	93309	196	75	60	52473.4	52459.8	13.6	522444.4	52429.1	15.3	-47.5
26	196	93323	198	75	59	523018	53004.5	13.5	523398	53382.8	15.2	623.0
26	196	93337	200	75	58	523480.4	53466.9	13.5	518298.2	18283.0	15.2	-57675.7
26	196	93356	202	75	57	522908.8	52895.4	13.4	524176.8	54161.7	15.1	2078.7
26	196	93410	204	75	56	522080.6	52067.2	13.4	521424.4	51409.3	15.1	-1075.7
26	196	93423	206	75	55	521373.2	51359.8	13.4	520657	50642.0	15.0	-1174.1
26	196	93437	208	75	54	520875.4	50862.1	13.3	520206.6	50191.6	15.0	-1096.4
26	196	93451	210	75	53	520598	50584.7	13.3	520155.4	50140.5	14.9	-725.6
26	196	93505	212	75	52	520657.6	50644.4	13.2	520027.8	50012.9	14.9	-1032.5
26	196	93520	214	75	51	520998.8	50985.6	13.2	520731.8	50717.0	14.8	-437.7
26	196	93533	216	75	50	51405.2	51392	13.2	51371.0	51356.2	14.8	-56.1
26	196	93545	218	75	49	51739.2	51726.1	13.1	51787.6	51772.9	14.7	79.3
26	196	93558	220	75	48	51974.8	51961.7	13.1	52121.8	52107.1	14.7	241.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
26	196	93646	222	75	47	52100.6	52087.6	13.0	752369.6	52355.1	14.5	441.0
26	196	93659	224	75	46	51990.4	51977.5	12.9	752143	52128.5	14.5	250.2
26	196	93713	226	75	45	51791.6	51778.7	12.9	751607.2	51592.8	14.4	-302.3
26	196	93726	228	75	44	51711.0	51698.2	12.8	751495.4	51481.0	14.4	-353.4
26	196	93739	230	75	43	51781.6	51768.8	12.8	51694.4	51680.1	14.3	-143.0
26	196	93752	232	75	42	51940.8	51928	12.8	752102.8	52088.5	14.3	265.6
26	196	93812	234	75	41	52053.0	52040.3	12.7	752229.6	52215.4	14.2	289.5
26	196	93826	236	75	40	52090.6	52077.9	12.7	752374.2	52360.0	14.2	464.9
26	196	93840	238	75	39	51898.6	51886	12.6	751976.4	51962.3	14.1	127.5
26	196	93854	240	75	38	51641.8	51629.2	12.6	751394.2	51380.1	14.1	-405.9
26	196	93908	242	75	37	51488.2	51475.7	12.5	751188.4	51174.3	14.1	-491.5
26	196	93921	244	75	36	751360.4	51347.9	12.5	750776	50762.0	14.0	-958.0
26	196	93935	246	75	35	751342.6	51330.1	12.5	750987.2	50973.2	14.0	-582.6
26	196	93948	248	75	34	51429.8	51417.4	12.4	51323.8	51309.9	13.9	-173.8
26	196	94001	250	75	33	51529.4	51517	12.4	51500.0	51486.1	13.9	-48.2
26	196	94014	252	75	32	51594.0	51581.6	12.4	51563.0	51549.2	13.8	-50.8
26	196	94026	254	75	31	51622.2	51609.9	12.3	51601.8	51588.0	13.8	-33.4
26	196	94039	256	75	30	51617.8	51605.5	12.3	51601.4	51587.7	13.7	-26.9
26	196	94051	258	75	29	51590.2	51577.9	12.3	51577.2	51563.5	13.7	-21.3
26	196	94104	260	75	28	51529.2	51517	12.2	51523.8	51510.1	13.7	-8.9
26	196	94117	262	75	27	51454.6	51442.4	12.2	51465.4	51451.8	13.6	17.7
26	196	94130	264	75	26	51398.4	51386.3	12.1	51439.8	51426.2	13.6	67.9
26	196	94142	266	75	25	51395.4	51383.3	12.1	51470.8	51457.3	13.5	123.6
26	196	94155	268	75	24	51443.6	51431.5	12.1	51545.6	51532.1	13.5	167.2
26	196	94208	270	75	23	51513.2	51501.2	12.0	51625.4	51612.0	13.4	183.9
26	196	94221	272	75	22	51594.0	51582	12.0	51698.0	51684.6	13.4	170.5
26	196	94235	274	75	21	51650.8	51638.8	12.0	51740.8	51727.4	13.4	147.5
26	196	94248	276	75	20	51691.2	51679.3	11.9	51762.8	51749.5	13.3	117.4
26	196	94301	278	75	19	51712.2	51700.3	11.9	51768.8	51755.5	13.3	92.8
26	196	94314	280	75	18	51723.2	51711.4	11.8	51767.4	51754.2	13.2	72.5
26	196	94327	282	75	17	51728.8	51717	11.8	51762.0	51748.8	13.2	54.4
26	196	94345	284	75	16	51731.0	51719.2	11.8	51757.6	51744.5	13.1	43.6
26	196	94402	286	75	15	51730.8	51719.1	11.7	51752.2	51739.1	13.1	35.1
26	196	94415	288	75	14	51730.0	51718.3	11.7	51746.8	51733.8	13.0	27.5
26	196	94431	290	75	13	51728.2	51716.6	11.6	51742.2	51729.2	13.0	23.0
26	196	94443	292	75	12	51726.2	51714.6	11.6	51739.6	51726.7	12.9	22.0
26	196	94456	294	75	11	51724.0	51712.5	11.5	51733.0	51720.1	12.9	14.8
26	196	94509	296	75	10	51720.6	51709.1	11.5	51730.0	51717.2	12.8	15.4
26	196	94526	298	75	9	51717.0	51705.5	11.5	51725.6	51712.8	12.8	14.1
26	196	94537	300	75	8	51712.6	51701.2	11.4	51717.6	51704.9	12.7	8.2
26	196	94549	302	75	7	51707.4	51696	11.4	51711.6	51698.9	12.7	6.9
26	196	94601	304	75	6	51700.4	51689	11.4	51703.0	51690.3	12.7	4.3
26	196	94629	306	75	5	51691.4	51680.1	11.3	51691.6	51679.0	12.6	0.3
26	196	94642	308	75	4	51681.4	51670.2	11.2	51676.0	51663.5	12.5	-8.9
26	196	94655	310	75	3	51666.2	51655	11.2	51656.4	51643.9	12.5	-16.1
26	196	94708	312	75	2	51644.2	51633	11.2	51626.6	51614.2	12.4	-28.8
26	196	94721	314	75	1	51600.4	51589.3	11.1	51563.6	51551.2	12.4	-60.3
26	196	94734	316	75	0	51526.2	51515.1	11.1	51425.6	51413.3	12.3	-164.9
27	196	95119	320	78	0	51573.2	51562.6	10.6	51439.6	51427.5	12.1	-219.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
27	196	95132	322	78	1	51619.0	51608.7	10.3	51556.6	51544.9	11.7	-102.3
27	196	95144	324	78	2	51654.4	51644.1	10.3	51618.2	51606.5	11.7	-59.3
27	196	95158	326	78	3	51674.4	51664.2	10.2	51650.8	51639.1	11.7	-38.7
27	196	95211	328	78	4	51690.2	51680	10.2	51671.8	51660.1	11.7	-30.2
27	196	95224	330	78	5	51699.8	51689.7	10.1	51686.2	51674.6	11.6	-22.3
27	196	95237	332	78	6	51708.0	51697.9	10.1	51696.0	51684.4	11.6	-19.7
27	196	95250	334	78	7	51714.0	51704	10.0	51704.0	51692.4	11.6	-16.4
27	196	95302	336	78	8	51718.2	51708.2	10.0	51710.8	51699.2	11.6	-12.1
27	196	95317	338	78	9	51722.8	51712.9	9.9	51716.0	51704.5	11.5	-11.1
27	196	95329	340	78	10	51725.6	51715.7	9.9	51721.4	51709.9	11.5	-6.9
27	196	95344	342	78	11	51728.4	51718.6	9.8	51726.6	51715.1	11.5	-3.0
27	196	95358	344	78	12	51731.8	51722	9.8	51731.4	51719.9	11.5	-0.7
27	196	95410	346	78	13	51734.2	51724.4	9.8	51738.0	51726.6	11.4	6.2
27	196	95424	348	78	14	51737.4	51727.7	9.7	51744.6	51733.2	11.4	11.8
27	196	95436	350	78	15	51739.8	51730.1	9.7	51754.2	51742.8	11.4	23.6
27	196	95450	352	78	16	51743.2	51733.6	9.6	51765.0	51753.6	11.4	35.7
27	196	95506	354	78	17	51745.0	51735.5	9.5	51785.6	51774.3	11.3	66.6
27	196	95520	356	78	18	51743.2	51733.7	9.5	51807.2	51795.9	11.3	104.9
27	196	95536	358	78	19	51728.8	51719.4	9.4	51839.0	51827.7	11.3	180.7
27	196	95551	360	78	20	51684.8	51675.4	9.4	51872.6	51861.3	11.3	307.9
27	196	95605	362	78	21	51541.2	51531.9	9.3	51856.8	51845.6	11.2	517.4
27	196	95619	364	78	22	51160.8	51151.5	9.3	51743	51731.8	11.2	954.4
27	196	95634	366	78	23	50388.8	50379.6	9.2	51042.6	51031.4	11.2	1071.8
27	196	95650	368	78	24	49310	49300.8	9.2	52055.2	52044.1	11.1	4500.3
27	196	95704	370	78	25	48849.4	48840.3	9.1	49004	48992.9	11.1	253.4
27	196	95720	372	78	26	49480.6	49471.5	9.1	49231.2	49220.1	11.1	-408.9
27	196	95735	374	78	27	50127.2	50118.2	9.0	50035.6	50024.6	11.0	-150.2
27	196	95749	376	78	28	50786.4	50777.4	9.0	50696.6	50685.6	11.0	-147.2
27	196	95802	378	78	29	51224.0	51215.1	8.9	51125.6	51114.6	11.0	-161.3
27	196	95814	380	78	30	51451.6	51442.7	8.9	51363.4	51352.4	11.0	-144.6
27	196	95826	382	78	31	51558.2	51549.4	8.8	51483.4	51472.4	11.0	-122.6
27	196	95839	384	78	32	51577.6	51568.8	8.8	51506.6	51495.7	10.9	-116.4
27	196	95853	386	78	33	51538.4	51529.7	8.7	51454.2	51443.3	10.9	-138.0
27	196	95906	388	78	34	51464.6	51455.9	8.7	51333.6	51322.7	10.9	-214.8
27	196	95920	390	78	35	51392.8	51384.2	8.6	51127	51116.1	10.9	-435.7
27	196	95933	392	78	36	51429.2	51420.6	8.6	50917.8	50907.0	10.8	-838.4
27	196	95946	394	78	37	51677.2	51668.7	8.5	51362	51351.2	10.8	-516.7
27	196	100000	396	78	38	52011.6	52003.1	8.5	52080.2	52069.4	10.8	112.5
27	196	100012	398	78	39	52249.8	52241.4	8.4	52512.4	52501.6	10.8	430.5
27	196	100026	400	78	40	52281.4	52273	8.4	52536.8	52526.1	10.7	418.7
27	196	100039	402	78	41	52147.6	52139.2	8.4	52344.6	52333.9	10.7	323.0
27	196	100052	404	78	42	51922.6	51914.3	8.3	51945.4	51934.7	10.7	37.4
27	196	100104	406	78	43	51700.4	51692.1	8.3	51566.2	51555.5	10.7	-220.0
27	196	100117	408	78	44	51555.4	51547.2	8.2	51324.4	51313.8	10.6	-378.7
27	196	100130	410	78	45	51535.4	51527.2	8.2	51029	51018.4	10.6	-830.2
27	196	100144	412	78	46	51778.6	51770.5	8.1	51571.4	51560.8	10.6	-339.7
27	196	100156	414	78	47	51958.6	51950.5	8.1	52024.0	52013.4	10.6	107.2
27	196	100209	416	78	48	51907.0	51899	8.0	51949.6	51939.1	10.5	69.8
27	196	100221	418	78	49	51695.4	51687.4	8.0	51659.8	51649.3	10.5	-58.4

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
27	196	100234	420	78	50	51443.2	51435.3	7.9	51380.6	51370.1	10.5	-102.6
27	196	100248	422	78	51	51136.8	51128.9	7.9	511171.6	51161.1	10.5	57.1
27	196	100301	424	78	52	50697.6	50689.8	7.8	50220	50209.6	10.4	-783.0
27	196	100314	426	78	53	50491.8	50484	7.8	49688	49677.6	10.4	-1317.7
27	196	100327	428	78	54	50681	50673.3	7.7	49998.2	49987.8	10.4	-1119.4
27	196	100341	430	78	55	51161	51153.3	7.7	50505.2	50494.8	10.4	-1075.1
27	196	100354	432	78	56	52037	52029.3	7.7	51952.2	51941.9	10.3	-139.0
27	196	100411	434	78	57	53050.2	53042.6	7.6	53566.2	53555.9	10.3	845.9
27	196	100424	436	78	58	53641.2	53633.7	7.5	55051	55040.7	10.3	2311.1
27	196	100437	438	78	59	53276.6	53269.1	7.5	53792	53781.8	10.2	844.9
27	196	100455	440	78	60	52723.2	52715.8	7.4	52682.6	52672.4	10.2	-66.6
27	196	100508	442	78	61	52285.6	52278.2	7.4	52153.4	52143.2	10.2	-216.7
27	196	100521	444	78	62	52064.8	52057.5	7.3	51968.2	51958.0	10.2	-158.4
27	196	100533	446	78	63	51948.8	51941.5	7.3	51874.4	51864.3	10.1	-122.0
27	196	100544	448	78	64	51874.6	51867.3	7.3	51814.0	51803.9	10.1	-99.3
27	196	100556	450	78	65	51825.0	51817.8	7.2	51778.4	51768.3	10.1	-76.4
27	196	100608	452	78	66	51791.8	51784.6	7.2	51755.6	51745.5	10.1	-59.3
27	196	100619	454	78	67	51770.2	51763.1	7.1	51741.6	51731.6	10.0	-46.9
27	196	100631	456	78	68	51746.8	51739.7	7.1	51723.8	51713.8	10.0	-37.7
27	196	100643	458	78	69	51716.4	51709.4	7.0	51703.2	51693.2	10.0	-21.6
27	196	100657	460	78	70	51682.0	51675	7.0	51675.0	51665.0	10.0	-11.5
27	196	100708	462	78	71	51630.8	51623.8	7.0	51626.6	51616.6	10.0	-6.9
27	196	100720	464	78	72	51563.4	51556.5	6.9	51551.8	51541.9	9.9	-19.0
27	196	100732	466	78	73	51536.4	51529.5	6.9	51488.2	51478.3	9.9	-79.0
27	196	100747	468	78	74	51563.8	51557	6.8	51523.0	51513.1	9.9	-66.9
27	196	100759	470	78	75	51609.4	51602.6	6.8	51585.0	51575.1	9.9	-40.0
27	196	100810	472	78	76	51659.2	51652.5	6.7	51631.4	51621.6	9.8	-45.6
27	196	100822	474	78	77	51685.0	51678.3	6.7	51660.6	51650.8	9.8	-40.0
27	196	100835	476	78	78	51706.6	51700	6.6	51686.2	51676.4	9.8	-33.4
28	196	101444	478	81	78	51708.6	51703.3	5.3	51707.0	51697.9	9.1	-2.6
28	196	101457	480	81	77	51667.0	51661.7	5.3	51635.6	51626.5	9.1	-51.5
28	196	101509	482	81	76	51600.2	51595	5.2	51509.0	51500.0	9.0	-149.5
28	196	101521	484	81	75	51491	51485.8	5.2	51133.4	51124.4	9.0	-586.2
28	196	101541	486	81	74	51797	51791.9	5.1	50186.2	50177.2	9.0	-2640.7
28	196	101559	488	81	73	50113	50108	5.0	52175.4	52166.5	8.9	3381.0
28	196	101617	490	81	72	51166.6	51161.6	5.0	51193.4	51184.5	8.9	43.9
28	196	101631	492	81	71	51531.4	51526.5	4.9	51544.6	51535.7	8.9	21.6
28	196	101644	494	81	70	51656.6	51651.7	4.9	51661.8	51652.9	8.9	8.5
28	196	101655	496	81	69	51712.8	51708	4.8	51711.8	51703.0	8.8	-1.6
28	196	101707	498	81	68	51749.4	51744.6	4.8	51740.6	51731.8	8.8	-14.4
28	196	101719	500	81	67	51777.4	51772.6	4.8	51759.6	51750.8	8.8	-29.2
28	196	101730	502	81	66	51803.6	51798.9	4.7	51777.4	51768.6	8.8	-43.0
28	196	101742	504	81	65	51836.8	51832.1	4.7	51798.4	51789.7	8.7	-62.9
28	196	101753	506	81	64	51884.2	51879.6	4.6	51830.2	51821.5	8.7	-88.5
28	196	101805	508	81	63	51957.8	51953.2	4.6	51879.8	51871.1	8.7	-127.9
28	196	101817	510	81	62	52084.6	52080.1	4.5	51978.2	51969.5	8.7	-174.4
28	196	101832	512	81	61	52305.8	52301.3	4.5	52187.8	52179.2	8.6	-193.4
28	196	101844	514	81	60	52679.4	52674.9	4.5	52652.2	52643.6	8.6	-44.6
28	196	101857	516	81	59	53193.2	53188.8	4.4	53696.4	53687.8	8.6	824.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
28	196	101910	518	81	58	753429.2	53424.8	4.4	754526.4	54517.8	8.6	1798.7
28	196	101922	520	81	57	752877.4	52873.1	4.3	753744.4	53735.9	8.5	1421.3
28	196	101935	522	81	56	751951.2	51946.9	4.3	751706	51697.5	8.5	-402.0
28	196	101947	524	81	55	751279	51274.8	4.2	750723.6	50715.1	8.5	-910.5
28	196	102000	526	81	54	751089	51084.8	4.2	50952.4	50943.9	8.5	-223.9
28	196	102013	528	81	53	750896.2	50892.1	4.1	750638.2	50629.7	8.5	-423.0
28	196	102026	530	81	52	750710.8	50706.7	4.1	754668.8	54660.4	8.4	6488.5
28	196	102039	532	81	51	751040.4	51036.4	4.0	750640	50631.6	8.4	-656.4
28	196	102051	534	81	50	51549.8	51545.8	4.0	51543.0	51534.6	8.4	-11.1
28	196	102104	536	81	49	51958.0	51954.1	3.9	52106.0	52097.6	8.4	242.6
28	196	102116	538	81	48	752317.4	52313.5	3.9	752666.4	52658.1	8.3	572.1
28	196	102129	540	81	47	752472	52468.1	3.9	753079	53070.7	8.3	995.1
28	196	102141	542	81	46	752315.4	52311.6	3.8	752662.8	52654.5	8.3	569.5
28	196	102154	544	81	45	51921.8	51918	3.8	751834.2	51825.9	8.3	-143.6
28	196	102205	546	81	44	51733.8	51730.1	3.7	51612.6	51604.4	8.2	-198.7
28	196	102216	548	81	43	51731.0	51727.3	3.7	51608.2	51600.0	8.2	-201.3
28	196	102228	550	81	42	51861.6	51858	3.6	51821.8	51813.6	8.2	-65.2
28	196	102240	552	81	41	52062.0	52058.4	3.6	52183.6	52175.4	8.2	199.3
28	196	102253	554	81	40	752232.4	52228.8	3.6	752514.4	52506.3	8.1	462.3
28	196	102305	556	81	39	752299.2	52295.7	3.5	752592	52583.9	8.1	480.0
28	196	102318	558	81	38	752162.6	52159.1	3.5	752410.8	52402.7	8.1	406.9
28	196	102330	560	81	37	51867.4	51864	3.4	751856.2	51848.1	8.1	-18.4
28	196	102342	562	81	36	51652.6	51649.2	3.4	751482.4	51474.3	8.1	-279.0
28	196	102353	564	81	35	51648.2	51644.9	3.3	51505.8	51497.8	8.0	-233.4
28	196	102407	566	81	34	51834.0	51830.7	3.3	751752.6	51744.6	8.0	-133.4
28	196	102425	568	81	33	52016.6	52013.4	3.2	751890	51882.0	8.0	-207.5
28	196	102438	570	81	32	52255.8	52252.6	3.2	752140.8	52132.9	7.9	-188.5
28	196	102451	572	81	31	752602.2	52599.1	3.1	752542.6	52534.7	7.9	-97.7
28	196	102504	574	81	30	753084	53080.9	3.1	752978.4	52970.5	7.9	-173.1
28	196	102517	576	81	29	753392.8	53389.8	3.0	753378.6	53370.7	7.9	-23.3
28	196	102529	578	81	28	752906.8	52903.8	3.0	758537	58529.2	7.8	9229.8
28	196	102542	580	81	27	750902.8	50899.9	2.9	752097.6	52089.8	7.8	1958.7
28	196	102555	582	81	26	752133.4	52130.5	2.9	758560.2	58552.4	7.8	10535.7
28	196	102609	584	81	25	752129.2	52126.3	2.9	752159.8	52152.0	7.8	50.2
28	196	102622	586	81	24	752277.6	52274.8	2.8	716274.2	16266.5	7.7	-59022.0
28	196	102635	588	81	23	748509.6	48506.8	2.8	752109.6	52101.9	7.7	5901.6
28	196	102650	590	81	22	750430.4	50427.7	2.7	750959.4	50951.7	7.7	867.2
28	196	102703	592	81	21	751258.2	51255.5	2.7	751574	51566.3	7.7	517.7
28	196	102715	594	81	20	51533.8	51531.2	2.6	751743.4	51735.8	7.6	343.6
28	196	102727	596	81	19	51640.6	51638	2.6	51765.8	51758.2	7.6	205.2
28	196	102738	598	81	18	51686.0	51683.5	2.5	51763.4	51755.8	7.6	126.9
28	196	102749	600	81	17	51702.0	51699.5	2.5	51750.8	51743.2	7.6	80.0
28	196	102801	602	81	16	51710.4	51708	2.4	51747.2	51739.6	7.6	60.3
28	196	102812	604	81	15	51713.2	51710.8	2.4	51742.0	51734.5	7.5	47.2
28	196	102824	606	81	14	51714.0	51711.6	2.4	51732.8	51725.3	7.5	30.8
28	196	102837	608	81	13	51713.8	51711.5	2.3	51734.0	51726.5	7.5	33.1
28	196	102850	610	81	12	51711.6	51709.3	2.3	51724.6	51717.1	7.5	21.3
28	196	102901	612	81	11	51708.6	51706.4	2.2	51719.2	51711.8	7.4	17.4
28	196	102912	614	81	10	51707.2	51705	2.2	51715.6	51708.2	7.4	13.8

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
28	196	102923	616	81	9	51705.8	51703.6	2.2	51713.6	51706.2	7.4	12.8
28	196	102934	618	81	8	51702.6	51700.5	2.1	51711.8	51704.4	7.4	15.1
28	196	102946	620	81	7	51698.8	51696.7	2.1	51701.0	51693.6	7.4	3.6
28	196	102958	622	81	6	51697.2	51695.2	2.0	51698.4	51691.1	7.3	2.0
28	196	103010	624	81	5	51694.4	51692.4	2.0	51691.6	51684.3	7.3	-4.6
28	196	103021	626	81	4	51677.2	51675.3	1.9	51667.0	51659.7	7.3	-16.7
28	196	103032	628	81	3	51660.0	51658.1	1.9	51649.6	51642.3	7.3	-17.0
28	196	103043	630	81	2	51640.0	51638.1	1.9	51615.0	51607.8	7.2	-41.0
28	196	103055	632	81	1	51609.2	51607.4	1.8	51540.0	51532.8	7.2	-113.4
28	196	103107	634	81	0	51561.8	51560	1.8	52195.2	52188.0	7.2	1038.4
29	196	122911	638	84	0	51513.8	51523.8	-10.0	51411.0	51418.9	-7.9	-168.5
29	196	122924	640	84	1	51594.2	51604.3	-10.1	51546.0	51554.0	-8.0	-79.0
29	196	122937	642	84	2	51624.2	51634.3	-10.1	51598.4	51606.4	-8.0	-42.3
29	196	122949	644	84	3	51629.6	51639.7	-10.1	51602.2	51610.2	-8.0	-44.9
29	196	123001	646	84	4	51644.6	51654.8	-10.2	51558.2	51566.3	-8.1	-141.6
29	196	123015	648	84	5	51739.6	51749.8	-10.2	51935.6	51943.7	-8.1	321.3
29	196	123035	650	84	6	51721.8	51732	-10.2	51743.0	51751.1	-8.1	34.8
29	196	123046	652	84	7	51693.0	51703.2	-10.2	51681.4	51689.6	-8.2	-19.0
29	196	123058	654	84	8	51686.8	51697.1	-10.3	51679.6	51687.8	-8.2	-11.8
29	196	123109	656	84	9	51686.4	51696.7	-10.3	51681.8	51690.0	-8.2	-7.5
29	196	123122	658	84	10	51687.2	51697.5	-10.3	51684.8	51693.0	-8.2	-3.9
29	196	123134	660	84	11	51687.8	51698.1	-10.3	51685.8	51694.1	-8.3	-3.3
29	196	123145	662	84	12	51686.6	51696.9	-10.3	51687.2	51695.5	-8.3	1.0
29	196	123157	664	84	13	51685.0	51695.4	-10.4	51687.2	51695.5	-8.3	3.6
29	196	123214	666	84	14	51681.6	51692	-10.4	51686.0	51694.4	-8.4	7.2
29	196	123226	668	84	15	51675.4	51685.8	-10.4	51684.0	51692.4	-8.4	14.1
29	196	123237	670	84	16	51665.0	51675.4	-10.4	51677.8	51686.2	-8.4	21.0
29	196	123249	672	84	17	51649.0	51659.4	-10.4	51667.2	51675.6	-8.4	29.8
29	196	123301	674	84	18	51622.4	51632.9	-10.5	51647.8	51656.3	-8.5	41.6
29	196	123314	676	84	19	51574.2	51584.7	-10.5	51610.8	51619.3	-8.5	60.0
29	196	123326	678	84	20	51493.2	51503.7	-10.5	51537.6	51546.1	-8.5	72.8
29	196	123337	680	84	21	51370.2	51380.7	-10.5	51416.6	51425.1	-8.5	76.1
29	196	123349	682	84	22	51185.2	51195.7	-10.5	51219.4	51228.0	-8.6	56.1
29	196	123400	684	84	23	50971.0	50981.6	-10.6	50930.8	50939.4	-8.6	-65.9
29	196	123411	686	84	24	50867	50877.6	-10.6	50678.8	50687.4	-8.6	-308.5
29	196	123424	688	84	25	50867	51091.6	-10.6	50654	50662.6	-8.6	-700.0
29	196	123437	690	84	26	50867	52083.6	-10.6	51802.6	51811.3	-8.7	-443.3
29	196	123450	692	84	27	50867	55493	-10.6	51802.6	51811.3	-8.7	-443.3
29	196	123450	692	84	27	55482.4	55493	-10.6	58581.4	58590.1	-8.7	5080.3
29	196	123504	694	84	28	58595.4	58606.1	-10.7	58600.6	58609.3	-8.7	8.5
29	196	123518	696	84	29	58567.4	58578.1	-10.7	58600.6	58609.3	-8.7	54.4
29	196	123532	698	84	30	55047	55057.7	-10.7	52068.4	52077.2	-8.8	-4883.0
29	196	123548	700	84	31	53703.2	53713.9	-10.7	53862.2	53871.0	-8.8	260.7
29	196	123601	702	84	32	52784.8	52795.6	-10.8	52717	52725.8	-8.8	-111.1
29	196	123614	704	84	33	52383.8	52394.6	-10.8	52292.2	52301.1	-8.9	-150.2
29	196	123625	706	84	34	52145.0	52155.8	-10.8	52387.8	52396.7	-8.9	398.0
29	196	123637	708	84	35	51703.2	51714	-10.8	51505.6	51514.5	-8.9	-323.9
29	196	123654	710	84	36	51448.4	51459.2	-10.8	51160	51169.0	-9.0	-472.8
29	196	123706	712	84	37	51486.4	51497.3	-10.9	51308.6	51317.6	-9.0	-291.5
29	196	123721	714	84	38	51597.2	51608.1	-10.9	51455.4	51464.4	-9.0	-232.5

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
29	196	123734	716	84	39	51709.6	51720.5	-10.9	51646.6	51655.6	-9.0	-103.3
29	196	123746	718	84	40	51775.6	51786.5	-10.9	51780.6	51789.7	-9.1	8.2
29	196	123758	720	84	41	51755.0	51766	-11.0	51788.6	51797.7	-9.1	55.1
29	196	123809	722	84	42	51632.4	51643.4	-11.0	51581.2	51590.3	-9.1	-83.9
29	196	123820	724	84	43	51497.8	51508.8	-11.0	51276.4	51285.5	-9.1	-362.9
29	196	123833	726	84	44	51443	51454	-11.0	51071.4	51080.6	-9.2	-609.2
29	196	123846	728	84	45	51638.6	51649.6	-11.0	51242.2	51251.4	-9.2	-649.8
29	196	123859	730	84	46	52118.6	52129.7	-11.1	52179.8	52189.0	-9.2	100.3
29	196	123911	732	84	47	52470.6	52481.7	-11.1	52853.4	52862.6	-9.2	627.5
29	196	123924	734	84	48	52489	52500.1	-11.1	52821.8	52831.1	-9.3	545.6
29	196	123936	736	84	49	52190.2	52201.3	-11.1	52458.8	52468.1	-9.3	440.3
29	196	123949	738	84	50	51732.2	51743.3	-11.1	51717.4	51726.7	-9.3	-24.3
29	196	124001	740	84	51	51208	51219.2	-11.2	50827.8	50837.2	-9.4	-623.3
29	196	124013	742	84	52	50809.2	50820.4	-11.2	49729	49738.4	-9.4	-1770.8
29	196	124026	744	84	53	50753.2	50764.4	-11.2	50034.4	50043.8	-9.4	-1178.4
29	196	124040	746	84	54	50942.6	50953.8	-11.2	50585	50594.4	-9.4	-586.2
29	196	124053	748	84	55	51103	51114.2	-11.2	50405.2	50414.7	-9.5	-1143.9
29	196	124106	750	84	56	51633.2	51644.5	-11.3	50939	50948.5	-9.5	-1138.0
29	196	124118	752	84	57	52640.8	52652.1	-11.3	52709.6	52719.1	-9.5	112.8
29	196	124130	754	84	58	53355.4	53366.7	-11.3	54567.2	54576.7	-9.5	1986.6
29	196	124144	756	84	59	53408.2	53419.5	-11.3	53969.4	53979.0	-9.6	920.0
29	196	124157	758	84	60	52892.2	52903.5	-11.3	52835.4	52845.0	-9.6	-93.1
29	196	124210	760	84	61	52401.8	52413.2	-11.4	52236	52245.6	-9.6	-271.8
29	196	124221	762	84	62	52141.4	52152.8	-11.4	52003.8	52013.5	-9.7	-225.6
29	196	124232	764	84	63	52000.0	52011.4	-11.4	51896.4	51906.1	-9.7	-169.8
29	196	124243	766	84	64	51906.6	51918	-11.4	51829.8	51839.5	-9.7	-125.9
29	196	124256	768	84	65	51849.6	51861	-11.4	51794.2	51803.9	-9.7	-90.8
29	196	124307	770	84	66	51808.6	51820.1	-11.5	51767.2	51777.0	-9.8	-67.9
29	196	124320	772	84	67	51776.2	51787.7	-11.5	51744.8	51754.6	-9.8	-51.5
29	196	124336	774	84	68	51748.4	51759.9	-11.5	51725.8	51735.6	-9.8	-37.1
29	196	124347	776	84	69	51719.0	51730.5	-11.5	51700.6	51710.4	-9.8	-30.2
29	196	124358	778	84	70	51671.8	51683.3	-11.5	51665.2	51675.1	-9.9	-10.8
29	196	124414	780	84	71	51601.0	51612.6	-11.6	51603.0	51612.9	-9.9	3.3
29	196	124425	782	84	72	51428.4	51440	-11.6	51427.4	51437.3	-9.9	-1.6
29	196	124438	784	84	73	51093.6	51105.2	-11.6	50696	50705.9	-9.9	-651.8
29	196	124453	786	84	74	51650.4	51662	-11.6	51297.2	51307.2	-10.0	-579.0
29	196	124507	788	84	75	51564.0	51575.7	-11.7	51454.4	51464.4	-10.0	-179.7
29	196	124519	790	84	76	51621.6	51633.3	-11.7	51564.6	51574.6	-10.0	-93.4
29	196	124532	792	84	77	51661.4	51673.1	-11.7	51628.8	51638.9	-10.1	-53.4
29	196	124543	794	84	78	51692.0	51703.7	-11.7	51668.2	51678.3	-10.1	-39.0
30	196	125036	796	87	72	51530.2	51542.4	-12.2	51523.2	51533.9	-10.7	-11.5
30	196	125053	798	87	71	51632.2	51644.4	-12.2	51638.6	51649.4	-10.8	10.5
30	196	125109	800	87	70	51688.6	51700.9	-12.3	51690.2	51701.0	-10.8	2.6
30	196	125122	802	87	69	51732.6	51744.9	-12.3	51723.8	51734.6	-10.8	-14.4
30	196	125136	804	87	68	51765.4	51777.7	-12.3	51746.2	51757.0	-10.8	-31.5
30	196	125148	806	87	67	51793.6	51805.9	-12.3	51768.0	51778.9	-10.9	-42.0
30	196	125200	808	87	66	51827.2	51839.5	-12.3	51790.8	51801.7	-10.9	-59.7
30	196	125211	810	87	65	51871.2	51883.6	-12.4	51824.2	51835.1	-10.9	-77.0
30	196	125222	812	87	64	51939.8	51952.2	-12.4	51871.6	51882.5	-10.9	-111.8

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
30	196	125234	814	87	63	52053.6	52066	-12.4	51957.4	51968.4	-11.0	-157.7
30	196	125249	816	87	62	52270.0	52282.4	-12.4	52197.2	52208.2	-11.0	-119.3
30	196	125305	818	87	61	52630.4	52642.8	-12.4	52523.6	52534.6	-11.0	-175.1
30	196	125322	820	87	60	53244.8	53257.3	-12.5	53459	53470.1	-11.1	351.1
30	196	125334	822	87	59	53877.4	53889.9	-12.5	54952.2	54963.3	-11.1	1762.0
30	196	125345	824	87	58	53530.4	53542.9	-12.5	55343.8	55354.9	-11.1	2972.8
30	196	125357	826	87	57	52988.4	53000.9	-12.5	53322.8	53333.9	-11.1	548.2
30	196	125410	828	87	56	51836	51848.6	-12.6	51185.8	51197.0	-11.2	-1065.9
30	196	125423	830	87	55	51039	51051.6	-12.6	50112	50123.2	-11.2	-1519.7
30	196	125434	832	87	54	51135.2	51147.8	-12.6	50834.8	50846.0	-11.2	-492.5
30	196	125448	834	87	53	51277.2	51289.8	-12.6	51417.8	51429.1	-11.3	230.5
30	196	125459	836	87	52	51252.2	51264.8	-12.6	50867	50878.3	-11.3	-631.5
30	196	125511	838	87	51	51449.4	51462.1	-12.7	50999	51010.3	-11.3	-738.4
30	196	125523	840	87	50	51929.0	51941.7	-12.7	51951	51962.3	-11.3	36.1
30	196	125535	842	87	49	52511	52523.7	-12.7	57009.6	57021.0	-11.4	7374.8
30	196	125548	844	87	48	52750.2	52762.9	-12.7	53356	53367.4	-11.4	993.1
30	196	125600	846	87	47	52736.6	52749.3	-12.7	53137.6	53149.0	-11.4	657.4
30	196	125612	848	87	46	52522	52534.8	-12.8	52895.8	52907.2	-11.4	612.8
30	196	125624	850	87	45	51970.4	51983.2	-12.8	51766	51777.5	-11.5	-335.1
30	196	125635	852	87	44	51526.8	51539.6	-12.8	51115.8	51127.3	-11.5	-673.8
30	196	125647	854	87	43	51426.2	51439	-12.8	51024.4	51035.9	-11.5	-658.7
30	196	125701	856	87	42	51568.0	51580.8	-12.8	51448.4	51459.9	-11.5	-196.1
30	196	125713	858	87	41	51767.0	51779.9	-12.9	51901.4	51913.0	-11.6	220.3
30	196	125725	860	87	40	51848.6	51861.5	-12.9	52075.8	52087.4	-11.6	372.5
30	196	125737	862	87	39	51752.6	51765.5	-12.9	51866.6	51878.2	-11.6	186.9
30	196	125749	864	87	38	51580.6	51593.5	-12.9	51476.6	51488.2	-11.6	-170.5
30	196	125801	866	87	37	51475.8	51488.7	-12.9	51266	51277.7	-11.7	-343.9
30	196	125812	868	87	36	51527.8	51540.8	-13.0	51385.8	51397.5	-11.7	-232.8
30	196	125823	870	87	35	51667.4	51680.4	-13.0	51637.4	51649.1	-11.7	-49.2
30	196	125835	872	87	34	51742.6	51755.6	-13.0	51619	51630.7	-11.7	-202.6
30	196	125845	874	87	33	51878.2	51891.2	-13.0	51827.2	51839.0	-11.8	-83.6
30	196	125856	876	87	32	52020.6	52033.6	-13.0	51963.0	51974.8	-11.8	-94.4
30	196	125907	878	87	31	52190.6	52203.6	-13.0	52124.0	52135.8	-11.8	-109.2
30	196	125918	880	87	30	52314.0	52327.1	-13.1	52238.8	52250.6	-11.8	-123.3
30	196	125930	882	87	29	52324.0	52337.1	-13.1	52265.4	52277.3	-11.9	-96.1
30	196	125949	884	87	28	52256.2	52269.3	-13.1	52118.6	52130.5	-11.9	-225.6
30	196	130000	886	87	27	52017.0	52030.1	-13.1	51874.6	51886.5	-11.9	-233.4
30	196	130010	888	87	26	51777.2	51790.3	-13.1	51644.8	51656.7	-11.9	-217.0
30	196	130021	890	87	25	51604.4	51617.6	-13.2	51507.8	51519.8	-12.0	-158.4
30	196	130032	892	87	24	51513.0	51526.2	-13.2	51451.6	51463.6	-12.0	-100.7
30	196	130043	894	87	23	51480.8	51494	-13.2	51452.6	51464.6	-12.0	-46.2
30	196	130054	896	87	22	51494.6	51507.8	-13.2	51488.8	51500.8	-12.0	-9.5
30	196	130105	898	87	21	51528.8	51542	-13.2	51533.2	51545.3	-12.1	7.2
30	196	130116	900	87	20	51564.0	51577.3	-13.3	51581.2	51593.3	-12.1	28.2
30	196	130127	902	87	19	51594.4	51607.7	-13.3	51612.8	51624.9	-12.1	30.2
30	196	130139	904	87	18	51616.6	51629.9	-13.3	51628.8	51640.9	-12.1	20.0
30	196	130150	906	87	17	51635.4	51648.7	-13.3	51646.2	51658.4	-12.2	17.7
30	196	130201	908	87	16	51648.8	51662.1	-13.3	51660.4	51672.6	-12.2	19.0
30	196	130212	910	87	15	51658.6	51671.9	-13.3	51668.8	51681.0	-12.2	16.7

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
30	196	130223	912	87	14	51667.0	51680.4	-13.4	51674.4	51686.6	-12.2	12.1
30	196	130233	914	87	13	51671.0	51684.4	-13.4	51678.8	51691.1	-12.3	12.8
30	196	130244	916	87	12	51674.8	51688.2	-13.4	51681.0	51693.3	-12.3	10.2
30	196	130256	918	87	11	51677.4	51690.8	-13.4	51682.2	51694.5	-12.3	7.9
30	196	130307	920	87	10	51676.4	51689.8	-13.4	51685.0	51697.3	-12.3	14.1
30	196	130321	922	87	9	51676.4	51689.9	-13.5	51674.2	51686.6	-12.4	-3.6
30	196	130332	924	87	8	51675.8	51689.3	-13.5	51677.6	51690.0	-12.4	3.0
30	196	130342	926	87	7	51675.2	51688.7	-13.5	51674.2	51686.6	-12.4	-1.6
30	196	130353	928	87	6	51671.2	51684.7	-13.5	51670.8	51683.2	-12.4	-0.7
30	196	130404	930	87	5	51666.6	51680.1	-13.5	51660.6	51673.0	-12.4	-9.8
30	196	130415	932	87	4	51656.6	51670.1	-13.5	51650.0	51662.5	-12.5	-10.8
30	196	130425	934	87	3	51645.6	51659.2	-13.6	51634.6	51647.1	-12.5	-18.0
30	196	130436	936	87	2	51630.2	51643.8	-13.6	51610.8	51623.3	-12.5	-31.8
30	196	130447	938	87	1	51611.8	51625.4	-13.6	51571.2	51583.7	-12.5	-66.6
30	196	130458	940	87	0	51563.8	51577.4	-13.6	51488.6	51501.2	-12.6	-123.3
31	196	131349	944	90	0	51554.4	51567.2	-12.8	51429.4	51441.4	-12.0	-204.9
31	196	131406	946	90	1	51611.4	51624.3	-12.9	51561.4	51573.6	-12.2	-82.0
31	196	131418	948	90	2	51638.4	51651.3	-12.9	51611.8	51624.0	-12.2	-43.6
31	196	131429	950	90	3	51652.6	51665.5	-12.9	51633.6	51645.8	-12.2	-31.1
31	196	131440	952	90	4	51662.8	51675.7	-12.9	51649.0	51661.1	-12.1	-22.6
31	196	131451	954	90	5	51668.2	51681	-12.8	51657.8	51669.9	-12.1	-17.0
31	196	131503	956	90	6	51673.2	51686	-12.8	51663.8	51675.9	-12.1	-15.4
31	196	131515	958	90	7	51675.4	51688.2	-12.8	51667.8	51679.9	-12.1	-12.5
31	196	131526	960	90	8	51677.8	51690.6	-12.8	51671.0	51683.1	-12.1	-11.1
31	196	131537	962	90	9	51678.6	51691.4	-12.8	51672.8	51684.9	-12.1	-9.5
31	196	131548	964	90	10	51678.6	51691.3	-12.7	51673.6	51685.6	-12.0	-8.2
31	196	131600	966	90	11	51679.0	51691.7	-12.7	51674.0	51686.0	-12.0	-8.2
31	196	131614	968	90	12	51677.4	51690.1	-12.7	51673.4	51685.4	-12.0	-6.6
31	196	131625	970	90	13	51675.0	51687.7	-12.7	51671.6	51683.6	-12.0	-5.6
31	196	131637	972	90	14	51671.4	51684	-12.6	51667.8	51679.8	-12.0	-5.9
31	196	131650	974	90	15	51667.0	51679.6	-12.6	51662.6	51674.6	-12.0	-7.2
31	196	131703	976	90	16	51661.2	51673.8	-12.6	51658.4	51670.3	-11.9	-4.6
31	196	131715	978	90	17	51654.6	51667.2	-12.6	51651.6	51663.5	-11.9	-4.9
31	196	131726	980	90	18	51647.2	51659.7	-12.5	51643.2	51655.1	-11.9	-6.6
31	196	131737	982	90	19	51638.6	51651.1	-12.5	51634.4	51646.3	-11.9	-6.9
31	196	131748	984	90	20	51629.4	51641.9	-12.5	51623.2	51635.1	-11.9	-10.2
31	196	131810	986	90	21	51620.8	51633.2	-12.4	51612.6	51624.4	-11.8	-13.4
31	196	131822	988	90	22	51617.8	51630.2	-12.4	51604.0	51615.8	-11.8	-22.6
31	196	131833	990	90	23	51616.2	51628.6	-12.4	51593.8	51605.6	-11.8	-36.7
31	196	131844	992	90	24	51625.0	51637.4	-12.4	51565.2	51577.0	-11.8	-98.0
31	196	131857	994	90	25	51657.0	51669.4	-12.4	51675.2	51687.0	-11.8	29.8
31	196	131909	996	90	26	51683.6	51695.9	-12.3	51658.0	51669.8	-11.8	-42.0
31	196	131921	998	90	27	51709.6	51721.9	-12.3	51677.8	51689.6	-11.8	-52.1
31	196	131935	1000	90	28	51732.6	51744.9	-12.3	51699.6	51711.3	-11.7	-54.1
31	196	131946	1002	90	29	51748.2	51760.5	-12.3	51717.8	51729.5	-11.7	-49.8
31	196	131958	1004	90	30	51745.6	51757.8	-12.2	51709.6	51721.3	-11.7	-59.0
31	196	132010	1006	90	31	51725.6	51737.8	-12.2	51683.6	51695.3	-11.7	-68.9
31	196	132022	1008	90	32	51699.8	51712	-12.2	51670.0	51681.7	-11.7	-48.9
31	196	132034	1010	90	33	51658.4	51670.6	-12.2	51624.6	51636.2	-11.6	-55.4

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
31	196	132047	1012	90	34	51603.0	51615.1	-12.1	51531.4	51543.0	-11.6	-117.4
31	196	132058	1014	90	35	51542.4	51554.5	-12.1	51413.8	51425.4	-11.6	-210.8
31	196	132112	1016	90	36	51530.4	51542.5	-12.1	51419.8	51431.4	-11.6	-181.3
31	196	132125	1018	90	37	51603.6	51615.7	-12.1	51723.2	51734.8	-11.6	196.1
31	196	132138	1020	90	38	51690.8	51702.8	-12.0	51708.2	51719.8	-11.6	28.5
31	196	132151	1022	90	39	51836.6	51848.6	-12.0	51981.4	51992.9	-11.5	237.4
31	196	132205	1024	90	40	51937.8	51949.8	-12.0	52137.8	52149.3	-11.5	327.9
31	196	132216	1026	90	41	51890.8	51902.8	-12.0	51954.0	51965.5	-11.5	103.6
31	196	132231	1028	90	42	51781.8	51793.7	-11.9	51696.0	51707.5	-11.5	-140.7
31	196	132245	1030	90	43	51762.0	51773.9	-11.9	51545.6	51557.1	-11.5	-354.8
31	196	132303	1032	90	44	51925.8	51937.7	-11.9	51839.4	51850.8	-11.4	-141.6
31	196	132315	1034	90	45	52165.8	52177.6	-11.8	52208.8	52220.2	-11.4	70.5
31	196	132327	1036	90	46	52333.2	52345	-11.8	52453.8	52465.2	-11.4	197.7
31	196	132339	1038	90	47	52341.6	52353.4	-11.8	52530.4	52541.8	-11.4	309.5
31	196	132351	1040	90	48	52173.8	52185.6	-11.8	52262.0	52273.4	-11.4	144.6
31	196	132403	1042	90	49	51957.6	51969.4	-11.8	52003.0	52014.4	-11.4	74.4
31	196	132414	1044	90	50	51701.8	51713.5	-11.7	51656.0	51667.3	-11.3	-75.1
31	196	132426	1046	90	51	51410	51421.7	-11.7	51114.8	51126.1	-11.3	-483.9
31	196	132439	1048	90	52	51203	51214.7	-11.7	50612.2	50623.5	-11.3	-968.5
31	196	132451	1050	90	53	51208.8	51220.5	-11.7	51032.4	51043.7	-11.3	-289.2
31	196	132504	1052	90	54	51214.8	51226.4	-11.6	51100.6	51111.9	-11.3	-187.2
31	196	132516	1054	90	55	51242.4	51254	-11.6	50637	50648.3	-11.3	-992.5
31	196	132530	1056	90	56	51749.8	51761.4	-11.6	51248.2	51259.4	-11.2	-822.3
31	196	132541	1058	90	57	52753.6	52765.2	-11.6	52915.4	52926.6	-11.2	265.2
31	196	132554	1060	90	58	53765.8	53777.3	-11.5	54897.8	54909.0	-11.2	1855.7
31	196	132607	1062	90	59	53973.8	53985.3	-11.5	5540.8	5552.0	-11.2	7486.9
31	196	132624	1064	90	60	53314.2	53325.7	-11.5	53585.2	53596.4	-11.2	444.3
31	196	132639	1066	90	61	52586.2	52597.6	-11.4	52299.2	52310.3	-11.1	-470.5
31	196	132651	1068	90	62	52194.2	52205.6	-11.4	51582.6	51593.7	-11.1	-1002.6
31	196	132702	1070	90	63	52111.0	52122.4	-11.4	52000.6	52011.7	-11.1	-181.0
31	196	132713	1072	90	64	52022.2	52033.6	-11.4	51942.2	51953.3	-11.1	-131.1
31	196	132725	1074	90	65	51927.8	51939.2	-11.4	51865.6	51876.7	-11.1	-102.0
31	196	132738	1076	90	66	51864.8	51876.1	-11.3	51816.6	51827.7	-11.1	-79.0
31	196	132750	1078	90	67	51824.0	51835.3	-11.3	51786.4	51797.4	-11.0	-61.6
31	196	132801	1080	90	68	51792.2	51803.5	-11.3	51766.0	51777.0	-11.0	-43.0
31	196	132811	1082	90	69	51756.2	51767.5	-11.3	51737.8	51748.8	-11.0	-30.2
31	196	132822	1084	90	70	51718.6	51729.8	-11.2	51703.6	51714.6	-11.0	-24.6
31	196	132834	1086	90	71	51667.4	51678.6	-11.2	51655.8	51666.8	-11.0	-19.0
31	196	132846	1088	90	72	51555.0	51566.2	-11.2	51548.0	51559.0	-11.0	-11.5
31	196	132857	1090	90	73	51419.8	51431	-11.2	51329.6	51340.5	-10.9	-147.9
31	196	132909	1092	90	74	51512.8	51523.9	-11.1	51283	51293.9	-10.9	-376.7
31	196	132921	1094	90	75	51580.0	51591.1	-11.1	51427.6	51438.5	-10.9	-249.8
31	196	132933	1096	90	76	51623.4	51634.5	-11.1	51554.6	51565.5	-10.9	-112.8
31	196	132944	1098	90	77	51663.2	51674.3	-11.1	51641.6	51652.5	-10.9	-35.4
31	196	132955	1100	90	78	51682.0	51693.1	-11.1	51663.0	51673.9	-10.9	-31.1
32	196	133604	1102	93	72	51589.6	51599.9	-10.3	51613.4	51623.8	-10.4	39.0
32	196	133616	1104	93	71	51684.8	51695.1	-10.3	51690.2	51700.5	-10.3	8.9
32	196	133628	1106	93	70	51735.8	51746.1	-10.3	51731.6	51741.9	-10.3	-6.9
32	196	133641	1108	93	69	51768.2	51778.4	-10.2	51757.6	51767.9	-10.3	-17.4

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
32	196	133652	1110	93	68	51803.6	51813.8	-10.2	51783.0	51793.3	-10.3	-33.8
32	196	133705	1112	93	67	51838.2	51848.4	-10.2	51810.4	51820.7	-10.3	-45.6
32	196	133717	1114	93	66	51886.0	51896.2	-10.2	51847.0	51857.3	-10.3	-63.9
32	196	133729	1116	93	65	51951.0	51961.2	-10.2	51901.4	51911.6	-10.2	-81.3
32	196	133740	1118	93	64	52050.4	52060.5	-10.1	51991.8	52002.0	-10.2	-96.1
32	196	133751	1120	93	63	52173.6	52183.7	-10.1	52105.0	52115.2	-10.2	-112.5
32	196	133804	1122	93	62	52326.6	52336.7	-10.1	52209.6	52219.8	-10.2	-191.8
32	196	133816	1124	93	61	52593.8	52603.9	-10.1	52501.0	52511.2	-10.2	-152.1
32	196	133830	1126	93	60	52993.8	53003.8	-10.0	52861.6	52871.8	-10.2	-216.7
32	196	133845	1128	93	59	53281.6	53291.6	-10.0	53074	53084.1	-10.1	-340.3
32	196	133859	1130	93	58	53166.8	53176.8	-10.0	53712.4	53722.5	-10.1	894.4
32	196	133912	1132	93	57	52372.6	52382.6	-10.0	52157	52167.1	-10.1	-353.4
32	196	133926	1134	93	56	51627.6	51637.5	-9.9	51163.4	51173.5	-10.1	-761.0
32	196	133938	1136	93	55	51233.8	51243.7	-9.9	50920	50930.1	-10.1	-514.4
32	196	133951	1138	93	54	51121.2	51131.1	-9.9	50855	50865.0	-10.0	-436.4
32	196	134004	1140	93	53	51122	51131.8	-9.8	50795	50805.0	-10.0	-536.1
32	196	134016	1142	93	52	51184	51193.8	-9.8	50834.6	50844.6	-10.0	-572.8
32	196	134031	1144	93	51	51333.6	51343.4	-9.8	51172.2	51182.2	-10.0	-264.6
32	196	134042	1146	93	50	51506.0	51515.8	-9.8	51442.2	51452.2	-10.0	-104.6
32	196	134054	1148	93	49	51670.6	51680.3	-9.7	51658.8	51668.7	-9.9	-19.3
32	196	134106	1150	93	48	51800.4	51810.1	-9.7	51812.4	51822.3	-9.9	19.7
32	196	134117	1152	93	47	51865.0	51874.7	-9.7	51878.8	51888.7	-9.9	22.6
32	196	134129	1154	93	46	51890.6	51900.3	-9.7	51826.8	51836.7	-9.9	-104.6
32	196	134140	1156	93	45	51890.2	51899.9	-9.7	51907.8	51917.7	-9.9	28.9
32	196	134152	1158	93	44	51838.6	51848.2	-9.6	51815.4	51825.3	-9.9	-38.0
32	196	134204	1160	93	43	51794.0	51803.6	-9.6	51622.6	51632.5	-9.9	-281.0
32	196	134215	1162	93	42	51852.0	51861.6	-9.6	51829.0	51838.8	-9.8	-37.7
32	196	134226	1164	93	41	51926.4	51936	-9.6	52048.8	52058.6	-9.8	200.7
32	196	134238	1166	93	40	51899.2	51908.7	-9.5	52003.8	52013.6	-9.8	171.5
32	196	134249	1168	93	39	51750.6	51760.1	-9.5	51701.2	51711.0	-9.8	-81.0
32	196	134301	1170	93	38	51568.0	51577.5	-9.5	51379.8	51389.6	-9.8	-308.5
32	196	134313	1172	93	37	51437.6	51447.1	-9.5	51214.6	51224.4	-9.8	-365.6
32	196	134325	1174	93	36	51401.6	51411	-9.4	51224.8	51234.5	-9.7	-289.8
32	196	134336	1176	93	35	51443.2	51452.6	-9.4	51354.0	51363.7	-9.7	-146.2
32	196	134348	1178	93	34	51502.4	51511.8	-9.4	51450.0	51459.7	-9.7	-85.9
32	196	134400	1180	93	33	51566.0	51575.4	-9.4	51583.0	51592.7	-9.7	27.9
32	196	134419	1182	93	32	51603.4	51612.7	-9.3	51597.2	51606.9	-9.7	-10.2
32	196	134431	1184	93	31	51630.6	51639.9	-9.3	51619.6	51629.2	-9.6	-18.0
32	196	134442	1186	93	30	51648.2	51657.5	-9.3	51641.6	51651.2	-9.6	-10.8
32	196	134453	1188	93	29	51658.4	51667.7	-9.3	51649.6	51659.2	-9.6	-14.4
32	196	134506	1190	93	28	51662.6	51671.8	-9.2	51652.0	51661.6	-9.6	-17.4
32	196	134517	1192	93	27	51660.2	51669.4	-9.2	51624.0	51633.6	-9.6	-59.3
32	196	134529	1194	93	26	51663.8	51673	-9.2	51658.0	51667.6	-9.6	-9.5
32	196	134540	1196	93	25	51658.6	51667.8	-9.2	51656.0	51665.6	-9.6	-4.3
32	196	134553	1198	93	24	51653.0	51662.2	-9.2	51648.2	51657.7	-9.5	-7.9
32	196	134605	1200	93	23	51651.0	51660.1	-9.1	51650.0	51659.5	-9.5	-1.6
32	196	134617	1202	93	22	51652.4	51661.5	-9.1	51652.2	51661.7	-9.5	-0.3
32	196	134629	1204	93	21	51653.6	51662.7	-9.1	51654.8	51664.3	-9.5	2.0
32	196	134640	1206	93	20	51656.2	51665.3	-9.1	51661.6	51671.1	-9.5	8.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
32	196	134652	1208	93	19	51658.4	51667.4	-9.0	51658.8	51668.3	-9.5	0.7
32	196	134704	1210	93	18	51662.0	51671	-9.0	51666.2	51675.6	-9.4	6.9
32	196	134715	1212	93	17	51665.8	51674.8	-9.0	51669.4	51678.8	-9.4	5.9
32	196	134729	1214	93	16	51669.4	51678.4	-9.0	51672.2	51681.6	-9.4	4.6
32	196	134741	1216	93	15	51671.4	51680.3	-8.9	51675.2	51684.6	-9.4	6.2
32	196	134753	1218	93	14	51674.4	51683.3	-8.9	51676.6	51686.0	-9.4	3.6
32	196	134805	1220	93	13	51674.8	51683.7	-8.9	51677.2	51686.5	-9.3	3.9
32	196	134817	1222	93	12	51675.2	51684.1	-8.9	51678.6	51687.9	-9.3	5.6
32	196	134828	1224	93	11	51674.6	51683.4	-8.8	51679.2	51688.5	-9.3	7.5
32	196	134840	1226	93	10	51675.0	51683.8	-8.8	51676.8	51686.1	-9.3	3.0
32	196	134851	1228	93	9	51673.0	51681.8	-8.8	51674.8	51684.1	-9.3	3.0
32	196	134902	1230	93	8	51671.8	51680.6	-8.8	51671.8	51681.1	-9.3	0.0
32	196	134913	1232	93	7	51668.6	51677.4	-8.8	51669.4	51678.7	-9.3	1.3
32	196	134924	1234	93	6	51665.8	51674.5	-8.7	51666.8	51676.0	-9.2	1.6
32	196	134936	1236	93	5	51662.0	51670.7	-8.7	51662.0	51671.2	-9.2	0.0
32	196	134947	1238	93	4	51658.0	51666.7	-8.7	51652.2	51661.4	-9.2	-9.5
32	196	134959	1240	93	3	51652.4	51661.1	-8.7	51644.2	51653.4	-9.2	-13.4
32	196	135010	1242	93	2	51643.8	51652.4	-8.6	51631.2	51640.4	-9.2	-20.7
32	196	135021	1244	93	1	51630.6	51639.2	-8.6	51607.8	51617.0	-9.2	-37.4
32	196	135032	1246	93	0	51597.8	51606.4	-8.6	51546.4	51555.5	-9.1	-84.3
33	196	141052	1250	96	0	51614.8	51621.4	-6.6	51642.2	51649.0	-6.8	44.9
33	196	141105	1252	96	1	51626.6	51633	-6.4	51605.6	51612.2	-6.6	-34.4
33	196	141121	1254	96	2	51656.6	51663	-6.4	?51547	51553.6	-6.6	-179.7
33	196	141223	1256	96	3	51638.6	51644.9	-6.3	51632.6	51639.1	-6.5	-9.8
33	196	141238	1258	96	4	51636.4	51642.7	-6.3	51629.2	51635.6	-6.4	-11.8
33	196	141252	1260	96	5	51633.2	51639.4	-6.2	51621.4	51627.8	-6.4	-19.3
33	196	141306	1262	96	6	51640.2	51646.4	-6.2	51625.6	51632.0	-6.4	-23.9
33	196	141321	1264	96	7	51654.2	51660.4	-6.2	51642.2	51648.5	-6.3	-19.7
33	196	141335	1266	96	8	51665.4	51671.6	-6.2	51651.8	51658.1	-6.3	-22.3
33	196	141348	1268	96	9	51675.6	51681.7	-6.1	51669.8	51676.1	-6.3	-9.5
33	196	141400	1270	96	10	51682.0	51688.1	-6.1	51676.8	51683.0	-6.2	-8.5
33	196	141413	1272	96	11	51684.4	51690.5	-6.1	51675.8	51682.0	-6.2	-14.1
33	196	141426	1274	96	12	51685.0	51691.1	-6.1	51677.0	51683.2	-6.2	-13.1
33	196	141439	1276	96	13	51685.4	51691.5	-6.1	51678.0	51684.2	-6.2	-12.1
33	196	141452	1278	96	14	51685.6	51691.6	-6.0	51678.8	51684.9	-6.1	-11.1
33	196	141503	1280	96	15	51685.8	51691.8	-6.0	51679.2	51685.3	-6.1	-10.8
33	196	141524	1282	96	16	51685.4	51691.4	-6.0	51682.0	51688.1	-6.1	-5.6
33	196	141536	1284	96	17	51684.0	51690	-6.0	51676.0	51682.0	-6.0	-13.1
33	196	141548	1286	96	18	51682.4	51688.3	-5.9	51674.8	51680.8	-6.0	-12.5
33	196	141600	1288	96	19	51679.8	51685.7	-5.9	51673.2	51679.2	-6.0	-10.8
33	196	141611	1290	96	20	51679.2	51685.1	-5.9	51671.6	51677.6	-6.0	-12.5
33	196	141624	1292	96	21	51676.6	51682.5	-5.9	51668.8	51674.7	-5.9	-12.8
33	196	141635	1294	96	22	51674.8	51680.7	-5.9	51667.2	51673.1	-5.9	-12.5
33	196	141648	1296	96	23	51674.0	51679.8	-5.8	51666.2	51672.1	-5.9	-12.8
33	196	141700	1298	96	24	51672.8	51678.6	-5.8	51662.6	51668.5	-5.9	-16.7
33	196	141713	1300	96	25	51671.8	51677.6	-5.8	51659.8	51665.6	-5.8	-19.7
33	196	141726	1302	96	26	51668.8	51674.6	-5.8	51659.4	51665.2	-5.8	-15.4
33	196	141738	1304	96	27	51665.4	51671.1	-5.7	51658.2	51664.0	-5.8	-11.8
33	196	141751	1306	96	28	51660.8	51666.5	-5.7	51650.8	51656.6	-5.8	-16.4

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
33	196	141804	1308	96	29	51649.6	51655.3	-5.7	51637.2	51642.9	-5.7	-20.3
33	196	141816	1310	96	30	51634.0	51639.7	-5.7	51618.6	51624.3	-5.7	-25.2
33	196	141828	1312	96	31	51613.8	51619.5	-5.7	51594.4	51600.1	-5.7	-31.8
33	196	141839	1314	96	32	51583.4	51589	-5.6	51556.4	51562.1	-5.7	-44.3
33	196	141852	1316	96	33	51541.0	51546.6	-5.6	51479.4	51485.0	-5.6	-101.0
33	196	141904	1318	96	34	51507.2	51512.8	-5.6	51362.4	51368.0	-5.6	-237.4
33	196	141916	1320	96	35	51547.6	51553.2	-5.6	51535.6	51541.2	-5.6	-19.7
33	196	141929	1322	96	36	51618.8	51624.4	-5.6	51386.6	51392.2	-5.6	-380.7
33	196	141945	1324	96	37	51779.0	51784.5	-5.5	51768.6	51774.1	-5.5	-17.0
33	196	141958	1326	96	38	52108.6	52114.1	-5.5	52661.8	52667.3	-5.5	906.9
33	196	142018	1328	96	39	52327.4	52332.9	-5.5	53070	53075.4	-5.4	1217.4
33	196	142037	1330	96	40	52267.6	52273	-5.4	52634.8	52640.2	-5.4	602.0
33	196	142052	1332	96	41	52104.0	52109.4	-5.4	52289.8	52295.2	-5.4	304.6
33	196	142104	1334	96	42	51904.4	51909.8	-5.4	51908.8	51914.1	-5.3	7.2
33	196	142116	1336	96	43	51753.0	51758.4	-5.4	51628.2	51633.5	-5.3	-204.6
33	196	142129	1338	96	44	51703.0	51708.3	-5.3	51544.2	51549.5	-5.3	-260.3
33	196	142141	1340	96	45	51760.8	51766.1	-5.3	51751.2	51756.5	-5.3	-15.7
33	196	142153	1342	96	46	51857.0	51862.3	-5.3	51896.0	51901.2	-5.2	63.9
33	196	142206	1344	96	47	51918.4	51923.7	-5.3	52061	52066.2	-5.2	233.8
33	196	142219	1346	96	48	51868.8	51874.1	-5.3	51994.2	51999.4	-5.2	205.6
33	196	142231	1348	96	49	51724.0	51729.2	-5.2	51797.8	51803.0	-5.2	121.0
33	196	142243	1350	96	50	51495.8	51501	-5.2	51497.6	51502.7	-5.1	3.0
33	196	142254	1352	96	51	51264.2	51269.4	-5.2	51097.6	51102.7	-5.1	-273.1
33	196	142307	1354	96	52	51014	51019.2	-5.2	50511.6	50516.7	-5.1	-823.6
33	196	142336	1356	96	53	50911.4	50916.5	-5.1	50654.6	50659.6	-5.0	-421.0
33	196	142349	1358	96	54	50683.6	50688.7	-5.1	50093.2	50098.2	-5.0	-967.9
33	196	142402	1360	96	55	50464.4	50469.5	-5.1	48500	48505.0	-5.0	-3220.3
33	196	142415	1362	96	56	51148.8	51153.9	-5.1	51833.6	51838.5	-4.9	1122.6
33	196	142428	1364	96	57	52650	52655	-5.0	53701.8	53706.7	-4.9	1724.3
33	196	142441	1366	96	58	53777	53782	-5.0	55623.4	55628.3	-4.9	3026.9
33	196	142454	1368	96	59	54013	54018	-5.0	55319.2	55324.1	-4.9	2141.3
33	196	142506	1370	96	60	53418.2	53423.2	-5.0	53669.4	53674.2	-4.8	411.8
33	196	142519	1372	96	61	52758.2	52763.1	-4.9	52703.8	52708.6	-4.8	-89.2
33	196	142532	1374	96	62	52367.6	52372.5	-4.9	52273.8	52278.6	-4.8	-153.8
33	196	142544	1376	96	63	52128.8	52133.7	-4.9	52010.0	52014.8	-4.8	-194.8
33	196	142556	1378	96	64	52016.8	52021.7	-4.9	51945.8	51950.5	-4.7	-116.4
33	196	142607	1380	96	65	51938.4	51943.3	-4.9	51878.6	51883.3	-4.7	-98.0
33	196	142619	1382	96	66	51882.6	51887.4	-4.8	51837.8	51842.5	-4.7	-73.4
33	196	142631	1384	96	67	51841.2	51846	-4.8	51803.2	51807.9	-4.7	-62.3
33	196	142642	1386	96	68	51807.8	51812.6	-4.8	51780.2	51784.8	-4.6	-45.2
33	196	142654	1388	96	69	51777.0	51781.8	-4.8	51756.0	51760.6	-4.6	-34.4
33	196	142707	1390	96	70	51741.4	51746.2	-4.8	51727.0	51731.6	-4.6	-23.6
33	196	142721	1392	96	71	51692.0	51696.7	-4.7	51685.8	51690.4	-4.6	-10.2
33	196	142738	1394	96	72	51610.8	51615.5	-4.7	51613.0	51617.5	-4.5	3.6
34	196	150304	1396	99	71	51670.2	51671.2	-1.0	51683.0	51683.0	0.0	21.0
34	196	150318	1398	99	70	51720.0	51721	-1.0	51729.4	51729.4	0.0	15.4
34	196	150332	1400	99	69	51760.0	51761	-1.0	51758.8	51758.8	0.0	-2.0
34	196	150349	1402	99	68	51790.8	51791.7	-0.9	51784.4	51784.3	0.1	-10.5
34	196	150402	1404	99	67	51818.4	51819.3	-0.9	51807.4	51807.3	0.1	-18.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
34	196	150418	1406	99	66	51855.6	51856.5	-0.9	51830.0	51829.9	0.1	-42.0
34	196	150432	1408	99	65	51901.0	51901.8	-0.8	51866.0	51865.8	0.2	-57.4
34	196	150446	1410	99	64	51967.8	51968.6	-0.8	51914.0	51913.8	0.2	-88.2
34	196	150500	1412	99	63	52065.2	52066	-0.8	51998.0	51997.8	0.2	-110.2
34	196	150516	1414	99	62	52256.6	52257.4	-0.8	52153.8	52153.5	0.3	-168.5
34	196	150533	1416	99	61	52644.4	52645.1	-0.7	52543.6	52543.3	0.3	-165.2
34	196	150608	1418	99	60	53337	53337.7	-0.7	53587	53586.6	0.4	409.8
34	196	150628	1420	99	59	53727	53727.6	-0.6	58565.2	58564.8	0.4	7931.5
34	196	150653	1422	99	58	53559.2	53559.8	-0.6	54643	54642.5	0.5	1776.7
34	196	150708	1424	99	57	52852.4	52853	-0.6	53012.6	53012.1	0.5	262.6
34	196	150722	1426	99	56	52150	52150.6	-0.6	51963.6	51963.1	0.5	-305.6
34	196	150735	1428	99	55	51553.8	51554.3	-0.5	51177.8	51177.3	0.5	-616.4
34	196	150748	1430	99	54	51283.2	51283.7	-0.5	51090.0	51089.4	0.6	-316.7
34	196	150801	1432	99	53	51162.8	51163.3	-0.5	50818.8	50818.2	0.6	-563.9
34	196	150815	1434	99	52	51185	51185.5	-0.5	50898.8	50898.2	0.6	-469.2
34	196	150828	1436	99	51	51350.0	51350.4	-0.4	51355.8	51355.1	0.7	9.5
34	196	150841	1438	99	50	51466.6	51467	-0.4	51384.6	51383.9	0.7	-134.4
34	196	150853	1440	99	49	51559.0	51559.4	-0.4	51464.2	51463.5	0.7	-155.4
34	196	150907	1442	99	48	51691.6	51692	-0.4	51657.6	51656.9	0.7	-55.7
34	196	150920	1444	99	47	51839.6	51839.9	-0.3	51961.4	51960.6	0.8	199.7
34	196	150939	1446	99	46	51932.6	51932.9	-0.3	52194.2	52193.4	0.8	428.8
34	196	150953	1448	99	45	51833.8	51834.1	-0.3	52025.2	52024.4	0.8	313.8
34	196	151006	1450	99	44	51705.8	51706.1	-0.3	51652.0	51651.1	0.9	-88.2
34	196	151019	1452	99	43	51674.8	51675	-0.2	51547.6	51546.7	0.9	-208.5
34	196	151033	1454	99	42	51760.0	51760.2	-0.2	51726.6	51725.7	0.9	-54.8
34	196	151046	1456	99	41	51864.6	51864.8	-0.2	51946.2	51945.3	0.9	133.8
34	196	151100	1458	99	40	51911.6	51911.8	-0.2	52066.6	52065.6	1.0	254.1
34	196	151113	1460	99	39	51851.4	51851.5	-0.1	51882.4	51881.4	1.0	50.8
34	196	151126	1462	99	38	51736.2	51736.3	-0.1	51721.6	51720.6	1.0	-23.9
34	196	151138	1464	99	37	51642.6	51642.7	-0.1	51557.6	51556.5	1.1	-139.3
34	196	151151	1466	99	36	51559.8	51559.9	-0.1	51462.2	51461.1	1.1	-160.0
34	196	151204	1468	99	35	51535.8	51535.9	-0.1	51453.4	51452.3	1.1	-135.1
34	196	151218	1470	99	34	51542.2	51542.2	0.0	51497.2	51496.1	1.1	-73.8
34	196	151232	1472	99	33	51567.4	51567.4	0.0	51550.2	51549.0	1.2	-28.2
34	196	151244	1474	99	32	51593.8	51593.8	0.0	51595.2	51594.0	1.2	2.3
34	196	151257	1476	99	31	51616.8	51616.8	0.0	51617.8	51616.6	1.2	1.6
34	196	151309	1478	99	30	51630.2	51630.1	0.1	51615.0	51613.7	1.3	-24.9
34	196	151322	1480	99	29	51644.0	51643.9	0.1	51642.6	51641.3	1.3	-2.3
34	196	151335	1482	99	28	51656.8	51656.7	0.1	51660.2	51658.9	1.3	5.6
34	196	151348	1484	99	27	51666.8	51666.7	0.1	51671.0	51669.7	1.3	6.9
34	196	151401	1486	99	26	51672.2	51672.1	0.1	51679.8	51678.4	1.4	12.5
34	196	151414	1488	99	25	51676.0	51675.8	0.2	51679.8	51678.4	1.4	6.2
34	196	151426	1490	99	24	51678.8	51678.6	0.2	51685.0	51683.6	1.4	10.2
34	196	151438	1492	99	23	51680.2	51680	0.2	51682.4	51681.0	1.4	3.6
34	196	151450	1494	99	22	51680.6	51680.4	0.2	51687.8	51686.3	1.5	11.8
34	196	151502	1496	99	21	51682.2	51682	0.2	51689.4	51687.9	1.5	11.8
34	196	151513	1498	99	20	51683.6	51683.3	0.3	51688.8	51687.3	1.5	8.5
34	196	151525	1500	99	19	51684.8	51684.5	0.3	51690.0	51688.5	1.5	8.5
34	196	151538	1502	99	18	51686.0	51685.7	0.3	51691.6	51690.0	1.6	9.2

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
34	196	151550	1504	99	17	51686.4	51686.1	0.3	51694.4	51692.8	1.6	13.1
34	196	151602	1506	99	16	51687.0	51686.6	0.4	51693.6	51692.0	1.6	10.8
34	196	151614	1508	99	15	51687.4	51687	0.4	51691.8	51690.2	1.6	7.2
34	196	151626	1510	99	14	51688.0	51687.6	0.4	51694.4	51692.7	1.7	10.5
34	196	151639	1512	99	13	51686.8	51686.4	0.4	51692.6	51690.9	1.7	9.5
34	196	151651	1514	99	12	51686.2	51685.8	0.4	51692.8	51691.1	1.7	10.8
34	196	151702	1516	99	11	51685.2	51684.7	0.5	51690.0	51688.3	1.7	7.9
34	196	151713	1518	99	10	51684.2	51683.7	0.5	51686.6	51684.8	1.8	3.9
34	196	151726	1520	99	9	51681.6	51681.1	0.5	51687.2	51685.4	1.8	9.2
34	196	151750	1522	99	8	51687.2	51686.7	0.5	51670.2	51668.4	1.8	-27.9
34	196	151824	1524	99	7	51714.4	51713.8	0.6	51675.6	51673.7	1.9	-63.6
34	196	151842	1526	99	6	51904.2	51903.6	0.6	51780.2	51778.2	2.0	-203.3
34	196	151857	1528	99	5	52551.8	52551.1	0.7	12396.4	12394.4	2.0	-65828.5
34	196	151916	1530	99	4	51849.4	51848.7	0.7	51151.8	51149.8	2.0	-1143.6
34	196	151931	1532	99	3	51586.6	51585.9	0.7	51449.2	51447.1	2.1	-225.3
34	196	151944	1534	99	2	51585.0	51584.3	0.7	51549.4	51547.3	2.1	-58.4
34	196	151959	1536	99	1	51569.0	51568.2	0.8	51526.6	51524.5	2.1	-69.5
34	196	152013	1538	99	0	51501.6	51500.8	0.8	51403.2	51401.1	2.1	-161.3
35	196	152428	1542	102	0	51443	51442.5	0.5	51268.2	51266.1	2.1	-286.6
35	196	152445	1544	102	1	51547.4	51546.7	0.7	51467.4	51465.0	2.4	-131.1
35	196	152457	1546	102	2	51597.8	51597.1	0.7	51555.4	51553.1	2.3	-69.5
35	196	152512	1548	102	3	51630.6	51630	0.6	51596.2	51593.9	2.3	-56.4
35	196	152530	1550	102	4	51648.4	51647.8	0.6	51596.8	51594.5	2.3	-84.6
35	196	152545	1552	102	5	51667.0	51666.4	0.6	51603.4	51601.1	2.3	-104.3
35	196	152611	1554	102	6	51679.4	51678.9	0.5	51652.4	51650.1	2.3	-44.3
35	196	152624	1556	102	7	51683.2	51682.7	0.5	51656.2	51653.9	2.3	-44.3
35	196	152641	1558	102	8	51684.6	51684.1	0.5	51671.0	51668.7	2.3	-22.3
35	196	152654	1560	102	9	51684.2	51683.8	0.4	51669.8	51667.5	2.3	-23.6
35	196	152707	1562	102	10	51671.8	51671.4	0.4	51669.4	51667.1	2.3	-3.9
35	196	152722	1564	102	11	51677.4	51677	0.4	51678.8	51676.5	2.3	2.3
35	196	152801	1566	102	12	51688.0	51687.7	0.3	51678.4	51676.1	2.3	-15.7
35	196	152813	1568	102	13	51686.2	51685.9	0.3	51679.4	51677.1	2.3	-11.1
35	196	152826	1570	102	14	51687.2	51687	0.2	51681.6	51679.3	2.3	-9.2
35	196	152838	1572	102	15	51686.2	51686	0.2	51678.2	51675.9	2.3	-13.1
35	196	152850	1574	102	16	51686.0	51685.8	0.2	51676.8	51674.5	2.3	-15.1
35	196	152902	1576	102	17	51674.2	51674	0.2	51677.6	51675.3	2.3	5.6
35	196	152915	1578	102	18	51686.8	51686.7	0.1	51676.8	51674.5	2.3	-16.4
35	196	152927	1580	102	19	51688.6	51688.5	0.1	51674.6	51672.3	2.3	-23.0
35	196	152939	1582	102	20	51686.6	51686.5	0.1	51672.8	51670.5	2.3	-22.6
35	196	152952	1584	102	21	51679	51678.9	0.1	51689.4	51687.1	2.3	17.1
35	196	153008	1586	102	22	51678.8	51678.8	0.0	51682.2	51680.0	2.2	5.6
35	196	153021	1588	102	23	51673.8	51673.8	0.0	51680.6	51678.4	2.2	11.1
35	196	153034	1590	102	24	51685.6	51685.6	0.0	51673.0	51670.8	2.2	-20.7
35	196	153047	1592	102	25	51683.8	51683.8	0.0	51681.6	51679.4	2.2	-3.6
35	196	153059	1594	102	26	51680.6	51680.7	-0.1	51674.6	51672.4	2.2	-9.8
35	196	153113	1596	102	27	51673.0	51673.1	-0.1	51666.0	51663.8	2.2	-11.5
35	196	153128	1598	102	28	51664.8	51664.9	-0.1	51652.2	51650.0	2.2	-20.7
35	196	153141	1600	102	29	51655.6	51655.7	-0.1	51643.4	51641.2	2.2	-20.0
35	196	153153	1602	102	30	51646.4	51646.6	-0.2	51640.6	51638.4	2.2	-9.5

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
35	196	153205	1604	102	31	51634.8	51635	-0.2	51643.2	51641.0	2.2	13.8
35	196	153217	1606	102	32	51600.8	51601	-0.2	51586.6	51584.4	2.2	-23.3
35	196	153228	1608	102	33	51558.4	51558.6	-0.2	51536.2	51534.0	2.2	-36.4
35	196	153241	1610	102	34	51476.8	51477.1	-0.3	51410.0	51407.8	2.2	-109.5
35	196	153253	1612	102	35	51365.2	51365.5	-0.3	51643	51640.8	2.2	455.4
35	196	153307	1614	102	36	51163.4	51163.7	-0.3	52018.2	52016.0	2.2	1401.3
35	196	153323	1616	102	37	51484.8	51485.2	-0.4	51279.2	51277.0	2.2	-337.1
35	196	153336	1618	102	38	51591.8	51592.2	-0.4	51576.8	51574.6	2.2	-24.6
35	196	153349	1620	102	39	51675.0	51675.4	-0.4	51641.2	51639.0	2.2	-55.4
35	196	153402	1622	102	40	51737.4	51737.8	-0.4	51702.8	51700.6	2.2	-56.7
35	196	153415	1624	102	41	51767.4	51767.9	-0.5	51783.2	51781.0	2.2	25.9
35	196	153429	1626	102	42	51759.8	51760.3	-0.5	51737.6	51735.4	2.2	-36.4
35	196	153441	1628	102	43	51740.0	51740.5	-0.5	51636.6	51634.4	2.2	-169.5
35	196	153454	1630	102	44	51783.2	51783.7	-0.5	51709.8	51707.6	2.2	-120.3
35	196	153507	1632	102	45	51808.8	51809.4	-0.6	51750	51747.9	2.1	-96.4
35	196	153520	1634	102	46	51729.4	51730	-0.6	51509.2	51507.1	2.1	-361.0
35	196	153533	1636	102	47	51585.6	51586.2	-0.6	51780.4	51778.3	2.1	319.3
35	196	153547	1638	102	48	51590.4	51591	-0.6	51293.6	51291.5	2.1	-486.6
35	196	153558	1640	102	49	51642.2	51642.9	-0.7	51568.0	51565.9	2.1	-121.6
35	196	153610	1642	102	50	51611.0	51611.7	-0.7	51537.8	51535.7	2.1	-120.0
35	196	153624	1644	102	51	51528.6	51529.3	-0.7	51408.4	51406.3	2.1	-197.0
35	196	153638	1646	102	52	51446.0	51446.8	-0.8	51202	51199.9	2.1	-400.0
35	196	153652	1648	102	53	51480	51480.8	-0.8	51219.2	51217.1	2.1	-427.5
35	196	153706	1650	102	54	51668.8	51669.6	-0.8	51290.6	51288.5	2.1	-620.0
35	196	153719	1652	102	55	52022.8	52023.6	-0.8	51838.2	51836.1	2.1	-302.6
35	196	153732	1654	102	56	52553.4	52554.3	-0.9	52587.6	52585.5	2.1	56.1
35	196	153745	1656	102	57	53101.8	53102.7	-0.9	52445.4	52443.3	2.1	-1076.1
35	196	153759	1658	102	58	53302	53302.9	-0.9	52202.2	52200.1	2.1	-1803.0
35	196	153812	1660	102	59	53138.2	53139.1	-0.9	53418.8	53416.7	2.1	460.0
35	196	153825	1662	102	60	52659.2	52660.2	-1.0	52545.8	52543.7	2.1	-185.9
35	196	153838	1664	102	61	52315.8	52316.8	-1.0	52154.2	52152.1	2.1	-264.9
35	196	153850	1666	102	62	52099.0	52100	-1.0	51989.6	51987.5	2.1	-179.3
35	196	153903	1668	102	63	51984.4	51985.4	-1.0	51906.2	51904.1	2.1	-128.2
35	196	153915	1670	102	64	51915.2	51916.3	-1.1	51858.8	51856.7	2.1	-92.5
35	196	153926	1672	102	65	51869.2	51870.3	-1.1	51826.6	51824.5	2.1	-69.8
35	196	153938	1674	102	66	51833.4	51834.5	-1.1	51798.0	51795.9	2.1	-58.0
35	196	153950	1676	102	67	51804.2	51805.3	-1.1	51774.6	51772.5	2.1	-48.5
35	196	154002	1678	102	68	51776.6	51777.8	-1.2	51753.8	51751.7	2.1	-37.4
35	196	154015	1680	102	69	51748.0	51749.2	-1.2	51730.2	51728.1	2.1	-29.2
35	196	154027	1682	102	70	51707.4	51708.6	-1.2	51696.2	51694.2	2.0	-18.4
35	196	154328	1684	102	71	51640.4	51642	-1.6	51637.8	51635.8	2.0	-4.3
35	196	154340	1686	102	72	51488.0	51489.6	-1.6	51507.0	51505.0	2.0	31.1
35	196	154354	1688	102	73	50992.8	50994.4	-1.6	51090	51088.0	2.0	159.3
35	196	154410	1690	102	74	51993	51994.7	-1.7	52206.4	52204.4	2.0	349.8
35	196	154425	1692	102	75	51387.4	51389.1	-1.7	51092.2	51090.2	2.0	-483.9
35	196	154439	1694	102	76	51529.6	51531.3	-1.7	51385.4	51383.4	2.0	-236.4
35	196	154455	1696	102	77	51608.4	51610.2	-1.8	51558.0	51556.0	2.0	-82.6
35	196	154509	1698	102	78	51665.4	51667.2	-1.8	51640.4	51638.4	2.0	-41.0
36	196	154844	1700	105	69	51712.6	51714.8	-2.2	51672.8	51670.9	1.9	-65.2

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
36	196	154856	1702	105	68	51743.2	51745.4	-2.2	51753.0	51751.1	1.9	16.1
36	196	154907	1704	105	67	51771.8	51774.1	-2.3	51768.8	51766.9	1.9	-4.9
36	196	154917	1706	105	66	51792.0	51794.3	-2.3	51782.4	51780.5	1.9	-15.7
36	196	154928	1708	105	65	51818.0	51820.3	-2.3	51803.4	51801.5	1.9	-23.9
36	196	154939	1710	105	64	51849.8	51852.1	-2.3	51826.8	51824.9	1.9	-37.7
36	196	154951	1712	105	63	51894.8	51897.2	-2.4	51857.8	51855.9	1.9	-60.7
36	196	155002	1714	105	62	51961.6	51964	-2.4	51917.8	51915.9	1.9	-71.8
36	196	155014	1716	105	61	52066.8	52069.2	-2.4	52031.6	52029.7	1.9	-57.7
36	196	155029	1718	105	60	52241.0	52243.4	-2.4	52166.8	52164.9	1.9	-121.6
36	196	155040	1720	105	59	52523.8	52526.3	-2.5	52607.0	52605.2	1.8	136.4
36	196	155052	1722	105	58	52810.6	52813.1	-2.5	52665	52663.2	1.8	-238.7
36	196	155106	1724	105	57	52775	52777.5	-2.5	52384.2	52382.4	1.8	-640.7
36	196	155118	1726	105	56	52479.4	52481.9	-2.5	52582.2	52580.4	1.8	168.5
36	196	155129	1728	105	55	52187.6	52190.2	-2.6	52236.2	52234.4	1.8	79.7
36	196	155141	1730	105	54	51925.6	51928.2	-2.6	51713.6	51711.8	1.8	-347.5
36	196	155154	1732	105	53	51769.6	51772.2	-2.6	51529.6	51527.8	1.8	-393.4
36	196	155205	1734	105	52	51710.8	51713.4	-2.6	51474.2	51472.4	1.8	-387.9
36	196	155216	1736	105	51	51750.8	51753.4	-2.6	51752.6	51750.8	1.8	3.0
36	196	155227	1738	105	50	51831.0	51833.7	-2.7	51935.2	51933.4	1.8	170.8
36	196	155238	1740	105	49	51886.0	51888.7	-2.7	51883.0	51881.2	1.8	-4.9
36	196	155249	1742	105	48	51990.0	51992.7	-2.7	52114.2	52112.4	1.8	203.6
36	196	155300	1744	105	47	52088.0	52090.7	-2.7	52306.6	52304.8	1.8	358.4
36	196	155312	1746	105	46	52142.2	52145	-2.8	52360.6	52358.8	1.8	358.0
36	196	155323	1748	105	45	52113.6	52116.4	-2.8	52269.8	52268.0	1.8	256.1
36	196	155334	1750	105	44	52005.0	52007.8	-2.8	52102.6	52100.8	1.8	160.0
36	196	155345	1752	105	43	51852.2	51855	-2.8	51766.8	51765.0	1.8	-140.0
36	196	155356	1754	105	42	51803.6	51806.5	-2.9	51712.8	51711.0	1.8	-148.9
36	196	155410	1756	105	41	51825.2	51828.1	-2.9	51822.8	51821.0	1.8	-3.9
36	196	155422	1758	105	40	51849.0	51851.9	-2.9	51875.2	51873.4	1.8	43.0
36	196	155433	1760	105	39	51852.6	51855.5	-2.9	51866.8	51865.0	1.8	23.3
36	196	155446	1762	105	38	51803.0	51806	-3.0	51689.2	51687.4	1.8	-186.6
36	196	155457	1764	105	37	51769.2	51772.2	-3.0	51611.2	51609.4	1.8	-259.0
36	196	155509	1766	105	36	51674.0	51677	-3.0	51555	51553.2	1.8	-195.1
36	196	155523	1768	105	35	51548.6	51551.6	-3.0	51395.6	51393.8	1.8	-250.8
36	196	155534	1770	105	34	51525.0	51528	-3.0	51456.6	51454.8	1.8	-112.1
36	196	155545	1772	105	33	51556.2	51559.3	-3.1	51528.2	51526.5	1.7	-45.9
36	196	155556	1774	105	32	51584.0	51587.1	-3.1	51572.6	51570.9	1.7	-18.7
36	196	155608	1776	105	31	51606.2	51609.3	-3.1	51592.8	51591.1	1.7	-22.0
36	196	155618	1778	105	30	51629.0	51632.1	-3.1	51634.2	51632.5	1.7	8.5
36	196	155630	1780	105	29	51647.6	51650.8	-3.2	51658.8	51657.1	1.7	18.4
36	196	155641	1782	105	28	51658.0	51661.2	-3.2	51665.4	51663.7	1.7	12.1
36	196	155651	1784	105	27	51663.8	51667	-3.2	51670.4	51668.7	1.7	10.8
36	196	155702	1786	105	26	51669.0	51672.2	-3.2	51673.6	51671.9	1.7	7.5
36	196	155713	1788	105	25	51673.6	51676.8	-3.2	51680.0	51678.3	1.7	10.5
36	196	155723	1790	105	24	51679.0	51682.3	-3.3	51693.8	51692.1	1.7	24.3
36	196	155735	1792	105	23	51681.4	51684.7	-3.3	51683.2	51681.5	1.7	2.9
36	196	155745	1794	105	22	51683.4	51686.7	-3.3	51686.4	51684.7	1.7	4.9
36	196	155757	1796	105	21	51684.6	51687.9	-3.3	51690.0	51688.3	1.7	8.9
36	196	155814	1798	105	20	51686.0	51689.4	-3.4	51683.4	51681.7	1.7	-4.3

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
36	196	155827	1800	105	19	51684.4	51687.8	-3.4	51678.2	51676.5	1.7	-10.2
36	196	155843	1802	105	18	51678.2	51681.6	-3.4	51687	51685.3	1.7	14.4
36	196	155858	1804	105	17	51662.6	51666.1	-3.5	51666.8	51665.1	1.7	6.9
36	196	155909	1806	105	16	51656.0	51659.5	-3.5	51655.0	51653.3	1.7	-1.6
36	196	155920	1808	105	15	51659.8	51663.3	-3.5	51673.8	51672.1	1.7	23.0
36	196	155930	1810	105	14	51667.4	51670.9	-3.5	51687.4	51685.7	1.7	32.8
36	196	155941	1812	105	13	51673.8	51677.3	-3.5	51680.4	51678.7	1.7	10.8
36	196	155952	1814	105	12	51675.2	51678.8	-3.6	51675.8	51674.1	1.7	1.0
36	196	160004	1816	105	11	51674.2	51677.8	-3.6	51677.4	51675.7	1.7	5.3
36	196	160015	1818	105	10	51675.8	51679.4	-3.6	51680.0	51678.3	1.7	6.9
36	196	160025	1820	105	9	51674.2	51677.8	-3.6	51683.2	51681.5	1.7	14.8
36	196	160036	1822	105	8	51672.4	51676.1	-3.7	51680.6	51678.9	1.7	13.4
36	196	160046	1824	105	7	51668.0	51671.7	-3.7	51673.8	51672.1	1.7	9.5
36	196	160058	1826	105	6	51662.0	51665.7	-3.7	51665.2	51663.6	1.6	5.2
36	196	160109	1828	105	5	51653.2	51656.9	-3.7	51651.8	51650.2	1.6	-2.3
36	196	160120	1830	105	4	51639.6	51643.3	-3.7	51632.8	51631.2	1.6	-11.1
36	196	160131	1832	105	3	51622.8	51626.6	-3.8	51607.6	51606.0	1.6	-24.9
36	196	160142	1834	105	2	51598.0	51601.8	-3.8	51571.8	51570.2	1.6	-43.0
36	196	160153	1836	105	1	51554.0	51557.8	-3.8	51489.2	51487.6	1.6	-106.2
36	196	160205	1838	105	0	51477.8	51481.6	-3.8	51305.6	51304.0	1.6	-282.3
1	203	123002	2	106	0	51461.2	51478.6	-17.4	51273.0	51286.0	-13.0	-308.5
1	203	123023	4	108	0	51496.8	51514.3	-17.5	51379.0	51392.0	-13.0	-193.1
2	203	123231	6	106	2	51593.8	51611.5	-17.7	51562.2	51575.1	-12.9	-51.8
2	203	123310	8	108	2	51604.2	51622	-17.8	51578.2	51591.1	-12.9	-42.6
2	203	123327	10	110	2	51614.4	51632.3	-17.9	51585.0	51597.9	-12.9	-48.2
2	203	123346	12	112	2	51619.6	51637.5	-17.9	51546.0	51558.9	-12.9	-120.7
3	203	123506	14	106	4	51641.2	51659.3	-18.1	51631.2	51644.1	-12.9	-16.4
3	203	123519	16	108	4	51638.6	51656.7	-18.1	51630.2	51643.1	-12.9	-13.8
3	203	123532	18	110	4	51636.6	51654.8	-18.2	51625.8	51638.7	-12.9	-17.7
3	203	123546	20	112	4	51623.2	51641.4	-18.2	51605.0	51617.9	-12.9	-29.8
3	203	123602	22	114	4	51571.2	51589.4	-18.2	51554.2	51567.1	-12.9	-27.9
4	203	123704	24	106	6	51661.2	51679.6	-18.4	51654.6	51667.5	-12.9	-10.8
4	203	123717	26	108	6	51656.6	51675	-18.4	51652.4	51665.3	-12.9	-6.9
4	203	123734	28	110	6	51649.0	51667.4	-18.4	51644.0	51656.9	-12.9	-8.2
5	203	123815	30	106	8	51669.8	51688.3	-18.5	51665.8	51678.7	-12.9	-6.6
6	203	123920	34	106	10	51671.8	51690.3	-18.5	51670.0	51682.9	-12.9	-3.0
7	203	123939	36	106	12	51671.6	51690.1	-18.5	51660.0	51672.9	-12.9	-19.0
7	203	123954	38	108	12	51668.0	51686.4	-18.4	51662.4	51675.3	-12.9	-9.2
8	203	124043	40	106	14	51666.4	51684.7	-18.3	51671.6	51684.5	-12.9	8.5
9	203	124108	42	106	16	51654.0	51672.3	-18.3	51637.8	51650.6	-12.8	-26.6
10	203	124127	44	106	18	51672.4	51690.6	-18.2	51655.4	51668.2	-12.8	-27.9
11	203	124147	46	106	20	51684.4	51702.6	-18.2	51677.2	51690.0	-12.8	-11.8
12	203	124210	48	106	22	51682.2	51700.3	-18.1	51678.6	51691.4	-12.8	-5.9
12	203	124225	50	108	22	51685.4	51703.5	-18.1	51683.2	51696.0	-12.8	-3.6
13	203	124312	52	106	24	51678.8	51696.7	-17.9	51688.0	51700.8	-12.8	15.1
13	203	124325	54	108	24	51674.8	51692.7	-17.9	51674.0	51686.8	-12.8	-1.3
14	203	124414	56	106	26	51669.4	51687.2	-17.8	51667.2	51680.0	-12.8	-3.6
14	203	124428	58	108	26	51667.2	51685	-17.8	51666.2	51679.0	-12.8	-1.6
14	203	124440	60	110	26	51660.2	51677.9	-17.7	51657.6	51670.4	-12.8	-4.3

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
14	203	124453	62	112	26	51643.6	51661.3	-17.7	51639.0	51651.7	-12.7	-7.5
15	203	124531	64	106	28	51658.0	51675.6	-17.6	51658.8	51671.5	-12.7	1.3
15	203	124545	66	108	28	51656.6	51674.2	-17.6	51657.0	51669.7	-12.7	0.7
15	203	124559	68	110	28	51648.8	51666.3	-17.5	51648.2	51660.9	-12.7	-1.0
15	203	124612	70	112	28	51634.2	51651.7	-17.5	51633.2	51645.9	-12.7	-1.6
16	203	124728	74	106	30	51631.8	51649.4	-17.6	51629.6	51642.3	-12.7	-3.6
16	203	124742	76	108	30	51632.6	51650.2	-17.6	51627.6	51640.3	-12.7	-8.2
16	203	124757	78	110	30	51632.0	51649.6	-17.6	51633.0	51645.7	-12.7	1.6
16	203	124819	80	112	30	51631.6	51649.3	-17.7	51620.2	51632.9	-12.7	-18.7
17	203	124907	82	106	32	51586.0	51603.9	-17.9	51568.0	51580.8	-12.8	-29.5
17	203	124921	84	108	32	51593.8	51611.7	-17.9	51560.2	51573.0	-12.8	-55.1
17	203	124935	86	110	32	51606.6	51624.6	-18.0	51594.0	51606.8	-12.8	-20.7
18	203	125022	88	106	34	51528.8	51546.9	-18.1	51456.4	51469.2	-12.8	-118.7
18	203	125037	90	108	34	51534.6	51552.8	-18.2	51447.6	51460.4	-12.8	-142.6
18	203	125052	92	110	34	51598.6	51616.8	-18.2	51536.6	51549.4	-12.8	-101.6
19	203	125155	94	106	36	51657.8	51676.2	-18.4	51558.2	51571.0	-12.8	-163.3
19	203	125213	96	108	36	51828.2	51846.7	-18.5	51466.8	51479.6	-12.8	-592.5
19	203	125236	98	110	36	51724.4	51743	-18.6	51620.6	51633.4	-12.8	-170.2
20	203	125325	100	106	38	51797.8	51816.5	-18.7	51678.0	51690.9	-12.9	-196.4
20	203	125340	102	108	38	52220.8	52239.6	-18.8	52685.0	52697.9	-12.9	761.0
20	203	125355	104	110	38	51820.8	51839.6	-18.8	51765.0	51777.9	-12.9	-91.5
21	203	125519	108	106	40	51851.2	51870	-18.8	51877.0	51889.9	-12.9	42.3
21	203	125535	110	108	40	51975.6	51994.6	-19.0	52099.0	52111.9	-12.9	202.3
22	203	125624	112	106	42	51802.4	51821.4	-19.0	51714.4	51727.4	-13.0	-144.3
22	203	125638	114	108	42	51853.2	51872.2	-19.0	51841.4	51854.4	-13.0	-19.3
23	203	125754	116	106	44	51983.8	52002.7	-18.9	52077.8	52090.8	-13.0	154.1
23	203	125807	118	108	44	51957.2	51976.1	-18.9	52098.4	52111.4	-13.0	231.5
23	203	125822	120	110	44	51846.0	51864.9	-18.9	51862.6	51875.6	-13.0	27.2
24	203	131603	124	106	46	52145.8	52164.8	-19.0	52355.6	52368.7	-13.1	343.9
24	203	131618	126	108	46	51966.0	51984.7	-18.7	51979.8	51993.3	-13.5	22.6
24	203	131631	128	110	46	51873.4	51892.1	-18.7	51942.6	51956.1	-13.5	113.4
24	203	131648	130	112	46	51708.6	51727.4	-18.8	51665.6	51679.1	-13.5	-70.5
25	203	131729	132	106	48	52001.6	52020.5	-18.9	52122.4	52136.0	-13.6	198.0
25	203	131743	134	108	48	51860.2	51879.1	-18.9	51718.2	51731.8	-13.6	-232.8
25	203	131758	136	110	48	51950.0	51968.9	-18.9	52163.4	52177.0	-13.6	349.8
25	203	131825	138	112	48	51749.0	51768	-19.0	51713.4	51727.0	-13.6	-58.4
26	203	131916	140	106	50	51840.2	51859.3	-19.1	51933.4	51947.0	-13.6	152.8
26	203	131931	142	108	50	51790.6	51809.7	-19.1	51594.0	51607.6	-13.6	-322.3
26	203	131945	144	110	50	51922.8	51941.9	-19.1	51936.4	51950.0	-13.6	22.3
26	203	131959	146	112	50	51753.6	51772.8	-19.2	51716.0	51729.6	-13.6	-61.6
26	203	132015	148	114	50	51638.2	51657.4	-19.2	51618.2	51631.8	-13.6	-32.8
27	203	132104	150	106	52	51703.8	51723.1	-19.3	51485.8	51499.5	-13.7	-357.4
27	203	132119	152	108	52	52182.0	52201.3	-19.3	52763.8	52777.5	-13.7	953.8
27	203	132134	154	110	52	52044.6	52063.9	-19.3	52053.2	52066.9	-13.7	14.1
27	203	132205	156	112	52	51745.8	51765.2	-19.4	51692.6	51706.3	-13.7	-87.2
27	203	132218	158	114	52	51655.4	51674.8	-19.4	51627.4	51641.1	-13.7	-45.9
28	203	132252	160	106	54	51903.8	51923.3	-19.5	51717.6	51731.3	-13.7	-305.2
28	203	132307	162	108	54	52158.0	52177.5	-19.5	52294.4	52308.1	-13.7	223.6
28	203	132321	164	110	54	51960.6	51980.2	-19.6	51908.8	51922.5	-13.7	-84.9

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
28	203	132334	166	112	54	51756.0	51775.6	-19.6	51711.2	51724.9	-13.7	-73.4
28	203	132357	168	114	54	51680.2	51699.8	-19.6	51650.4	51664.2	-13.8	-48.8
29	203	132455	170	106	56	52441.0	52460.8	-19.8	52569.6	52583.4	-13.8	210.8
29	203	132508	172	108	56	52114.2	52134	-19.8	52013.8	52027.6	-13.8	-164.6
29	203	132522	174	110	56	51923.0	51942.8	-19.8	51901.8	51915.6	-13.8	-34.8
29	203	132534	176	112	56	51768.2	51788	-19.8	51734.0	51747.8	-13.8	-56.1
29	203	132546	178	114	56	51687.0	51706.9	-19.9	51669.8	51683.6	-13.8	-28.2
30	203	132637	180	106	58	52809.6	52829.6	-20.0	53453.6	53467.4	-13.8	1055.7
30	203	132651	182	108	58	52231.2	52251.2	-20.0	52287.0	52300.8	-13.8	91.5
30	203	132706	184	110	58	51913.0	51933	-20.0	51872.6	51886.5	-13.9	-66.2
30	203	132719	186	112	58	51766.8	51786.8	-20.0	51737.0	51750.9	-13.9	-48.9
30	203	132731	188	114	58	51689.6	51709.7	-20.1	51674.6	51688.5	-13.9	-24.6
31	203	132933	192	106	60	52263.2	52283.3	-20.1	52175.8	52189.7	-13.9	-143.3
31	203	132946	194	108	60	52097.4	52117.6	-20.2	52156.6	52170.5	-13.9	97.0
31	203	132959	196	110	60	51853.6	51873.8	-20.2	51806.8	51820.7	-13.9	-76.7
31	203	133013	198	112	60	51756.6	51776.8	-20.2	51736.0	51749.9	-13.9	-33.8
31	203	133026	200	114	60	51685.0	51705.2	-20.2	51672.0	51685.9	-13.9	-21.3
32	203	133115	202	106	62	51963.2	51983.4	-20.2	51905.2	51919.1	-13.9	-95.1
32	203	133128	204	108	62	51888.4	51908.6	-20.2	51844.6	51858.5	-13.9	-71.8
32	203	133141	206	110	62	51801.4	51821.6	-20.2	51774.8	51788.7	-13.9	-43.6
32	203	133155	208	112	62	51742.8	51763	-20.2	51723.0	51736.9	-13.9	-32.5
33	203	133245	210	106	64	51850.2	51870.3	-20.1	51818.2	51832.0	-13.8	-52.5
33	203	133259	212	108	64	51810.8	51830.9	-20.1	51786.6	51800.4	-13.8	-39.7
33	203	133312	214	110	64	51770.6	51790.7	-20.1	51754.2	51768.0	-13.8	-26.9
34	203	133447	216	106	66	51792.6	51812.7	-20.1	51775.2	51789.0	-13.8	-28.5
34	203	133459	218	108	66	51771.2	51791.3	-20.1	51756.2	51770.0	-13.8	-24.6
34	203	133512	220	110	66	51741.8	51761.9	-20.1	51738.0	51751.8	-13.8	-6.2
34	203	133525	222	112	66	51709.8	51729.9	-20.1	51703.8	51717.6	-13.8	-9.8
34	203	133538	224	114	66	51654.4	51674.5	-20.1	51647.4	51661.2	-13.8	-11.5
34	203	133551	226	116	66	51465.6	51485.7	-20.1	51441.8	51455.6	-13.8	-39.0
34	203	133606	228	118	66	51369.4	51389.5	-20.1	50558.2	50572.0	-13.8	-1329.8
35	203	133825	230	106	68	51750.4	51770.5	-20.1	51752.0	51765.8	-13.8	2.6
35	203	133838	232	108	68	51736.0	51756	-20.0	51731.6	51745.3	-13.7	-7.2
35	203	133851	234	110	68	51717.2	51737.2	-20.0	51713.2	51726.9	-13.7	-6.6
35	203	133903	236	112	68	51693.6	51713.6	-20.0	51681.0	51694.7	-13.7	-20.7
35	203	133916	238	114	68	51636.2	51656.2	-20.0	51634.2	51647.9	-13.7	-3.3
35	203	133929	240	116	68	51449.2	51469.2	-20.0	51400.6	51414.3	-13.7	-79.7
36	203	134253	246	106	70	51686.8	51706.7	-19.9	51682.6	51696.2	-13.6	-6.9
36	203	134309	248	108	70	51683.4	51703.2	-19.8	51680.6	51694.1	-13.5	-4.6
36	203	134327	250	110	70	51672.0	51691.8	-19.8	51674.8	51688.3	-13.5	4.6
36	203	134343	252	112	70	51652.2	51672	-19.8	51661.6	51675.1	-13.5	15.4
36	203	134357	254	114	70	51604.6	51624.3	-19.7	51605.8	51619.2	-13.4	2.0
36	203	134412	256	116	70	51470.8	51490.5	-19.7	51422.8	51436.2	-13.4	-78.7
36	203	134439	258	118	70	51292.2	51311.9	-19.7	50233.0	50246.4	-13.4	-1736.4
37	203	134617	260	106	72	51549.2	51568.7	-19.5	51554.0	51567.2	-13.2	7.9
37	203	134634	262	108	72	51517.6	51537	-19.4	51547.6	51560.7	-13.1	49.2
37	203	134648	264	110	72	51545.6	51565	-19.4	51568.6	51581.7	-13.1	37.7
37	203	134702	266	112	72	51550.6	51570	-19.4	51547.8	51560.9	-13.1	-4.6
37	203	134715	268	114	72	51509.8	51529.1	-19.3	51497.0	51510.0	-13.0	-21.0

D-Area Oil Basin Magnetic Survey

LINE	DAY	TIME	STA.	X	Y	TOP FIELD (nT)			BOTTOM FIELD (nT)			GRAD. (nT/m)
						(Uncorr.)	(Corr.)	(Diff.)	(Uncorr.)	(Corr.)	(Diff.)	
37	203	134729	270	116	72	51362.8	51382.1	-19.3	51354.0	51367.0	-13.0	-14.4
37	203	134742	272	118	72	50835.0	50854.3	-19.3	51812.6	51825.6	-13.0	1602.6
38	203	135146	274	106	74	50971.6	50990.4	-18.8	50854.2	50866.7	-12.5	-192.5
38	203	135203	276	108	74	49676.2	49695	-18.8	50160.4	50172.9	-12.5	793.8
38	203	135217	278	110	74	51129.6	51148.3	-18.7	51144.4	51156.8	-12.4	24.3
38	203	135233	280	112	74	51209.8	51228.5	-18.7	51014.0	51026.4	-12.4	-321.0
38	203	135250	282	114	74	50997.0	51015.7	-18.7	50869.8	50882.2	-12.4	-208.5
38	203	135307	284	116	74	51019.0	51037.6	-18.6	51074.8	51087.1	-12.3	91.5
38	203	135358	286	118	74	50941.0	50959.5	-18.5	50263.8	50276.0	-12.2	-1110.2
38	203	135412	288	120	74	51517.8	51536.3	-18.5	51404.0	51416.2	-12.2	-186.6
38	203	135500	290	122	74	51657.4	51675.8	-18.4	51638.4	51650.6	-12.2	-31.1
39	203	135756	294	106	76	51445.4	51463.4	-18.0	51355.0	51366.7	-11.7	-148.2
39	203	135815	296	108	76	51337.6	51355.6	-18.0	51042.6	51054.3	-11.7	-483.6
39	203	135830	298	110	76	51400.0	51418	-18.0	51258.4	51270.1	-11.7	-232.1
39	203	135905	300	112	76	51409.0	51426.9	-17.9	51215.4	51227.0	-11.6	-317.4
39	203	135918	302	114	76	51410.4	51428.3	-17.9	51144.6	51156.2	-11.6	-435.7
39	203	135931	304	116	76	51328.2	51346	-17.8	51099.0	51110.5	-11.5	-375.7
39	203	135945	306	118	76	51601.4	51619.2	-17.8	50410.6	50422.1	-11.5	-1952.1
39	203	140000	308	120	76	52304.4	52322.2	-17.8	51925.2	51936.7	-11.5	-621.6
39	203	140014	310	122	76	51618.8	51636.6	-17.8	50543.2	50554.7	-11.5	-1763.3
39	203	140112	312	124	76	51637.4	51655	-17.6	51593.8	51605.1	-11.3	-71.5
40	203	140535	314	106	78	51642.6	51659.7	-17.1	51615.2	51626.0	-10.8	-44.9
40	203	140547	316	108	78	51630.8	51647.9	-17.1	51597.2	51608.0	-10.8	-55.1
40	203	140607	318	110	78	51604.2	51621.2	-17.0	51572.2	51582.9	-10.7	-52.5
40	203	140620	320	112	78	51584.2	51601.2	-17.0	51542.8	51553.5	-10.7	-67.9
40	203	140637	322	114	78	51550.2	51567.2	-17.0	51480.8	51491.5	-10.7	-113.8
40	203	140649	324	116	78	51497.2	51514.1	-16.9	51226.2	51236.8	-10.6	-444.3
40	203	140705	326	118	78	51906.2	51923.1	-16.9	51430.0	51440.6	-10.6	-780.7
40	203	140719	328	120	78	51880.6	51897.5	-16.9	52238.0	52248.6	-10.6	585.9
40	203	140734	330	122	78	51639.6	51656.5	-16.9	51503.4	51514.0	-10.6	-223.3
41	203	140859	332	106	80	51698.2	51714.9	-16.7	51692.8	51703.2	-10.4	-8.9
41	203	140911	334	108	80	51691.2	51707.9	-16.7	51684.0	51694.4	-10.4	-11.8
41	203	140923	336	110	80	51682.4	51699	-16.6	51675.4	51685.7	-10.3	-11.5
41	203	140936	338	112	80	51681.4	51698	-16.6	51692.8	51703.1	-10.3	18.7
41	203	140952	340	114	80	51670.8	51687.4	-16.6	51654.2	51664.5	-10.3	-27.2
41	203	141008	342	116	80	51669.6	51686.1	-16.5	51622.8	51633.0	-10.2	-76.7
41	203	141029	344	118	80	51637.6	51654.1	-16.5	51530.0	51540.2	-10.2	-176.4
41	203	141114	348	120	80	51707.8	51724.2	-16.4	51632.8	51642.9	-10.1	-123.0
41	203	141132	350	122	80	51705.4	51721.8	-16.4	51684.4	51694.5	-10.1	-34.4

FIGURE CAPTIONS

Figure 1. Location of D-Area Oil Basin Waste Unit on SRS.

Figure 2. Aerial photograph of D Area Oil Basin when in use. A metal fence, the remnants of which, currently surround the waste unit shown in outline. Also shown is coordinate reference for the magnetic survey. At least one trench can be discerned approximately located along the 40 - 50 meter y coordinate. In addition another, thinner linear feature can be seen parallel to and approximately 15 meters behind the trench along the 60 meter y coordinate.

Figure 3. Typical temporal variations exhibited by the total magnetic field due to diurnal variation, micropulsations, and magnetic storms on the sun (adapted from Breiner, 1973).

Figure 4. Superposition of the earth's ambient magnetic field and anomalous fields produced by induced monopoles and dipoles to produce anomalies in the total field (adapted from Breiner, 1973).

Figure 5. The relationship of magnetic inclination and declination to geographic directions on the earth (adapted from Telford and others, 1976).

Figure 6. Typical profiles of magnetic field intensity across monopoles and dipoles for conditions similar to SRS. Also shown is a contour representation of magnetic field intensity over a dipole with accompanying representative profiles (adapted from Breiner, 1973).

Figure 7. Magnetic intensity profiles across several geometric shapes of interest for magnetic field inclination similar to that of SRS (i.e. 60 degrees) (adapted from Breiner, 1973).

Figure 8. The intensity of the total magnetic field compared with the vertical gradient over a prismatic body (adapted from Breiner, 1973).

Figure 9. Model total field and vertical gradient magnetic profiles for single 55 gallon steel drums in vertical position with the top at various distances below the sensor. Profiles calculated for a total field intensity of 53220 nT and northern hemisphere inclination of 70 degrees (adapted from Gilkeson and others, 1990).

Figure 10. Contour representation of total field anomaly calculated for a single 55 gallon steel drum in vertical position with the top 10 ft below the sensor. Calculation based on a total field intensity of 53220 nT and northern hemisphere inclination of 70 degrees (adapted from Gilkeson and others, 1990).

D-Area Oil Basin Magnetic Survey

Figure 11. Contour representation of a cache of 5 steel 55 gallon drums in a 12 ft by 12 ft area with the top of the drums 10 ft below the sensor. Calculation based on a total field intensity of 53220 nT and northern hemisphere inclination of 70 degrees (adapted from Gilkeson and others, 1990).

Figure 12. a) Planimetric map of D Area Oil Basin Waste Unit, based on the Planimetric Map of "D" Area Oil Seepage Basin prepared by Cranston, Robertson and Whitehurst, P.C., 1988. b) Planimetric information overlain onto aerial photograph of D Area Oil Basin when the trenches were open.

Figure 13. Locations of ground penetrating radar survey lines.

Figure 14. Station locations for D-Area Oil Basin Magnetic Survey. Station locations marked by "+"

Figure 15. Color contoured D-Area Oil Basin magnetic survey diurnally corrected top sensor data. Data values represent total field - 51729.4 nT.

Figure 16. Color contoured D-Area Oil Basin magnetic survey diurnally corrected bottom sensor data. Data values represent total field - 51768.2 nT.

Figure 17. Color contoured D-Area magnetic survey vertical gradient.

Figure 18. Aerial photograph of D-Area Oil Basin Waste Unit when trenches were open with vertical gradient magnetic survey data overlain. Blue contours represent positive gradient values above 100 nT/m. Yellow contours represent negative gradient values below -100 nT/m. Note that linear magnetic anomalies align very well with linear features on photograph that may represent trenches.

Figure 19. Color contoured vertical gradient magnetic data of D-Area Oil Basin with trench boundaries and the locations of isolated magnetic anomalies shown.

FIG. 1 D-Area Oil Basin Magnetic Survey

DIURNAL VARIATION

MICROPULSATIONS

MAGNETIC STORM

Figure 5 D Acron Magnetic Survey
 EAC 115 B. Acron Magnetic Survey.

Fig. 4 Data Magnetic Survey
 at 12 - Red Magnetic Survey

M93X2091.05.AIL

Figure 6.7 Magnetic intensity profiles across several geometric shapes of interest for magnetic field inclination similar to that of SRS (i.e., 60 degrees) (adapted from Breiner, 1973).

M93X2091.04.AIL

Figure 7.8 The intensity of the total magnetic field compared with the vertical gradient over a prismatic body (adapted from Breiner, 1973).

~~Single Drum~~
SINGLE DRUM
(6 ft)

TOTAL FIELD
SINGLE DRUM
(10 - 30 ft)

GRADIENT
SINGLE DRUM
(10 - 30 ft)

Doir Basin
FIG. 89 Burma Road Magnetic Survey

● Drum Location

+ 5 Ft Grid Nodes

▲ 10 Ft Grid Nodes

■ 20 Ft Grid Nodes

Doi Boeiz
Fig. 810 Burma Road Magnetic Survey

● Drum Location

▲ 10 Ft Grid Nodes

■ 20 Ft Grid Nodes

Fig. 10.11 Burma Road Magnetic Survey

Fig. 12. B Darea Oil Basin

D-AREA OIL BASIN Magnetic Survey Top Sensor

- ⊕ Soil Boring
- Trench Marker Post
- ▣ Concrete Pad
- ◇ Monitoring Well
- Waste Unit Marker

10 0 10 20 30
(meters)

Fig. 16

FIG. 17