Magnetic Survey of the K-Area Bingham Pump Outage Pit-(U)

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Magnetic Survey of the K-Area Bingham Pump Outage Pit-(U)

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Contents

Executive Summary 1

Introduction and Scope 3

Magnetic Survey Concepts 3

Description of Survey Site 5

Magnetic Survey 7

Survey and Analytical Techniques 7

Magnetic Data Set 7

Discussion 9

Conclusions 11

References 13

Appendix A, K-Area Bingham Pump Outage Pit Magnetic Survey Data 37

List of Figures

Figure 1. Location of Reactor Areas on SRS 15

**Figure 2. Location of K-Area Bingham Pump Outage Pit in Relation to
K Area 16**

**Figure 3. Typical temporal variations exhibited by the total magnetic
field due to diurnal variation, micropulsations, and mag-
netic storms on the Sun (adapted from Breiner, 1973) 17**

**Figure 4. Superposition of the Earth's ambient magnetic field and anom-
alous field produced by induced monopoles and dipoles to
produce anomalies in the total field (adapted from Breiner,
1973) 18**

**Figure 5. The relationship of magnetic inclination and declination to
geographic directions on the Earth (adapted from Telford
and others, 1976) 19**

**Figure 6. Typical profiles of magnetic field intensity across a monopole
and dipole 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) 20
- Figure 7.** Magnetic intensity profiles across several geometric shapes of interest for magnetic field inclination similar to that of SRS (i.e., 60 degrees) (Breiner, 1973) 21
- Figure 8.** The intensity of the total magnetic field compared with the vertical gradient over a prismatic body (adapted from Breiner, 1973) 22
- Figure 9.** Model total field and vertical gradient magnetic profiles for a single 55-gallon steel drum in vertical position with the top at various distances from 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). 23
- Figure 10.** Contour representation of total field anomaly calculated for a single 55-gallon in vertical position with the top 10 feet 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) 24
- Figure 11.** Contour representation of a cache of five steel 55-gallon drums in a 12-ft by 12-ft area with the top of the drum 10 feet 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) 25
- Figure 12.** Planimetric map of K-Area Bingham Pump Outage Pit Magnetic Survey Area 26
- Figure 13.** Station locations for the K-Area Bingham Pump Outage Pit Survey. Station locations marked by "+". 27
- Figure 14.** Color-contoured K-Area Bingham Pump Outage Pit magnetic survey diurnally corrected top sensor data 28
- Figure 15.** Color-contoured K-Area Bingham Pump Outage Pit magnetic survey diurnally corrected bottom sensor data 29
- Figure 16.** Color-contoured K-Area Bingham Pump Outage Pit magnetic vertical gradient 30
- Figure 17.** Location of ground penetrating radar survey lines oriented perpendicular to the K-Area Bingham Pump Outage Pit shown in magnetic survey station locations and color contoured vertical gradient data. 31
- Figure 18.** Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 14. 32
- Figure 19.** Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 15. 33
- Figure 20.** Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 16. 34

Figure 21. Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 17. 35

Figure 22. Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 18. 36

Executive Summary

A magnetic survey was conducted at the K-Area Bingham Pump Outage Pit to locate buried metallic construction material placed in the pit. The survey was defined by survey lines spaced 10 feet apart and oriented subperpendicular to the pit elongation direction with survey stations spaced at 5-foot intervals along each line. This arrangement resulted in a 10-foot by 5-foot rectangular grid node pattern.

The magnetic survey resolved a linear array of magnetic field and gradient anomalies that result from ferric material buried in the pit. The magnetic survey also resolved other isolated anomalies from ferric sources such as signs and monuments located on the surface. Comparison of the magnetic survey data with radar transects collected in a previous survey indicates that the magnetic anomalies, in most cases, correlate well with diffractions in the radar data. At locations where the anomalies and diffractions do not correlate well, it appears that the radar transect did not pass directly over the anomaly source, resulting in off-line, three-dimensional (3-D) effects in the radar data. Based on the comparison of the two methods, the magnetic data resolves the part of the trench containing the ferrous material; however, the radar data are sensitive to disturbed soil and can resolve the trench boundaries in the absence of buried metallic material.

Introduction and Scope

Several of the reactor areas on the Savannah River Site (Figure 1) have burial pits outside their perimeters that contain miscellaneous construction equipment. The material contained in these trenches is a consequence of major modifications to the reactor's primary and secondary cooling water systems and consists of such things as pipes, ladders, drums, and boxes of miscellaneous hardware (see Westinghouse 1994). During the modifications, the reactors were off line, and this period was called the Bingham Pumps Outages. The pits containing the construction material associated with the modifications are termed the Bingham Pump Outage Pits, although these pits do not contain the actual pumps.

The Bingham Pump Outage Pit for K Reactor is outside of and adjacent to the southeastern perimeter fence between K-Reactor Area and Road 8 (Figure 2). To define the edges of the pit and to identify other possible buried material in the area, a magnetic survey was conducted by the Site Geotechnical Services Department at the request of the Environmental Restoration Department during September 1994. The survey consisted of a grid over and in areas adjacent to the waste unit markers associated with the pit.

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 results from the internal magnetic field of the Earth produced in its 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 solar wind produces time variations in the total field. The Earth's rotation, in effect, introduces a diurnal variation with a 24-hour cycle. Also, superimposed on this well-defined 24-hour cycle are variations with no well-defined period produced by the chaotic nature of the Sun's electromagnetic activity. Typically, these variations manifest as micropulsations 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. Magnetic techniques can be used to search for buried metallic objects because

iron and iron alloys cause relatively large amplitude anomalies. These anomalies are produced by two effects. Some materials can be magnetized by an external magnetic field by a process called induction. The external magnetic field is the inducing field and the field produced by the material 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, called remnant magnetization, is typically acquired during the material's history. For most magnetic survey applications, the magnitude of the induced field is assumed to be much greater than the remnant magnetization. This assumption was validated in the specific case of standard 55-gallon metal drums (Gilkeson and others 1992).

In reality, magnetic fields always manifest as dipoles—that is—north and south magnetic poles occur in pairs to produce dipole fields. Figure 4 is field line diagram of a dipole and monopole field. In this representation, the density of the field lines is proportional to the field magnitude. To a first approximation, the magnetic field produced near the Earth's core can be considered a single dipole 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 (see Figure 5). Although, these angular relationships change slowly because of 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. Figure 4 shows 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. Notice that the anomalous field lines on the north side of the dipole are opposite in sense to the ambient field, thereby 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 phenomenon explains the asymmetrical 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 with a general contour a dipole and 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 exhibit the typical asymmetrical signatures along the north-south profiles with magnetic highs occurring over southern portions of the bodies.

The previous discussion is in the context of the intensity of the total magnetic field. However, another measurement that 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 (Figure 8). The vertical magnetic gradient can be determined by measuring 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.

To conduct a magnetic survey, magnetic data are collected at discrete intervals either along a traverse or over a two-dimensional (2-D) grid. In practice, data for 2-D grids are usually collected as multiple traverses. Traverse data can be conveniently displayed as magnetic intensity profiles. Two-dimensional grid 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.

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. Because of their widespread use in the past as containers for industrial materials, 55-gallon steel drums are commonly tar-

geted during waste site characterization. Gilkeson and others (1992) evaluated the magnetic response from single and multiple drums buried at different depths. The magnetic response is captured in 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.

Figure 9 models 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 clearly indicate that the sensor must be located near the ground surface 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 of an anomaly for a single drum with its top located 10 ft below the sensor. Figure 10 also shows the station locations of a typical 5-foot by 5-foot grid over the anomaly. Note that using a 20-ft by 20-ft grid may fail to detect the anomaly at all and that a poorly placed 10-ft by 10-ft grid would only provide a maximum amplitude of 25 nT. This amplitude may not be discernible from noise and, at best, would offer poor resolution concerning the drum location.

Figure 11 is the contour of a total field magnetic anomaly for a cache of five drums 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 others (1992) 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, a special problem for gradiometer surveys because these effects are amplified. Also, gradiometers are most effective when the sensor separation is one-fifth or less the distance to the target. If the sensors are placed near the ground, this condition may not be met for shallow targets. Careful consideration of the information required 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 the K-Area Bingham Pump Outage Waste Unit is presented in Figure 12. The waste unit, as delineated by the HP waste unit marker balls, is a relatively flat grassy area. The northwestern half of the survey area is located in an open field bordered on the northwest and southwest by a paved road. The southeastern half of the survey area extends into and is bordered on all three sides by pine forest.

The most prominent objects in the survey area are four orange HP waste unit marker balls that occur in a rectangular pattern at the corners of the waste unit. In addition to these balls, the pit is also marked by the four concrete posts (monuments). The monuments on the southeastern ends of the waste unit are adjacent to the HP markers. However, on the northwestern end, the monuments occur several feet inside of the area delimited by the HP markers. In addition to these objects, several metal "underground radiation" signs occur along the margins of the waste unit. A small metal post also occurs in the northern corner of the survey area.

Magnetic Survey

Survey and Analytical Techniques

The grid established for the magnetic survey of the K-Area Bingham Pump Outage Pit (Figure 13) is defined by survey lines spaced 10 ft apart and oriented subperpendicular to the trench elongation direction. Measurements were taken at 5-ft intervals along the survey lines to yield a 5-ft by 10-ft rectangular grid node pattern. The grid is located to cover the area enclosed by and 30 ft outside of the waste unit marker balls. The survey lines are oriented perpendicular to the trench elongation direction to allow maximum resolution of the trench boundaries. The grid station locations were established with a transit to mark 90 degree angles and a cord marked at 5-ft 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 instrument has a nominal accuracy of 0.1 nT. However, high magnetic gradients (>600 nT/m) sharply degrade the signal. In most cases, this degradation will deteriorate the accuracy to 1 nT. More severe degradation can result in significant accuracy losses resulting in poor data very near large metallic objects. As a quality assurance/quality control check and 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, was accomplished with software provided by GEOSOFT Inc. Data gridding was accomplished with BIGRID, which is specifically designed to grid line data and enhance trends. 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 three 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 Appendix A.

Magnetic Data Set

The magnetic survey data are displayed in figures 14 - 16. Magnetic field and gradient anomalies occur in areas on and near the HP waste unit marker balls, the monuments, the "underground radiation" signs and a metal post. However, the most prominent anomalies occur as a linear array of isolated anomalies that trend diagonally across the elongate rectangular area marked by the HP markers. The anomalies that compose the linear array are closer together and more numerous on the northwestern end of the waste unit. In contrast the anomalies on the southeastern end of the array are less numerous and spread out with at least two gaps in the array between the anomalies. The rest of the survey area appears to show no anomalous features except for a magnetic low that occurs on the edge of the survey area approximately centered on (40,0).

Discussion

The magnetic anomalies that occur near and on the HP markers, monument, signs, and metal post can be accounted for by the ferric composition of these objects. The linear array of anomalies that trends diagonally across the survey area probably results from the ferric construction material buried in the K-Area Bingham Pump Outage Pit. The isolated nature of the anomalies indicates that the ferric objects are not continuously distributed in the pit but are concentrated on the northwestern end.

The magnetic low at location (40,0) cannot be readily explained as resulting either from a metal object on these surface or from the pit. However, this anomaly occurs on the edge of the survey area and its dipole nature is not well defined so that its source is undetermined but it appears to result from a buried object on the edge of the survey area.

In October 1993, a ground penetrating radar survey was conducted at the waste unit to delineate the pit boundaries (Sexton and Perkle 1993). The locations of the radar survey lines that were run perpendicular to the pit elongation are shown in Figure 17. Comparison of the magnetic survey and radar data are illustrated in Figures 18-22. These figures show the magnetic gradient profiles obtained from transects corresponding to the radar lines overlain onto the corresponding radar profiles. Comparison of the magnetic and radar data show that in many locations the magnetic anomalies correspond well with diffractions or collections of diffractions in the radar data. However, at other locations the diffraction locations and magnetic anomalies do not coincide. The lack of coincidence of location of the radar anomalies and magnetic anomalies in some areas probably results from the fact that the radar transect was not located directly over the anomaly sources in these areas. The magnetic anomalies result only from ferric material in the trench. This means that if the trench is not completely filled from edge to edge with ferric material, the original trench boundaries would be very hard to detect from the magnetic data alone. Because the radar is much more sensitive to disturbed soil, it can locate the original pit boundaries with higher resolution on the radar transects that are oriented subperpendicular to the pit boundaries. However, the ferric anomalies are better resolved, for this data set by the magnetic field and vertical gradient data.

Conclusions

A magnetic survey of the K-Area Bingham Pump Outage Pit revealed several anomalies that can be attributed to ferric material contained in objects identified on the surface of the waste unit. In addition, a prominent linear array of isolated magnetic field and gradient anomalies occur trending diagonally across the waste unit. These anomalies result from ferric material buried in the trench. This material is discontinuously distributed and appears to be more concentrated on the northwestern end of the pit.

Comparison of previously acquired radar data with the magnetic data set indicates that the radar is capable of resolving the original trench boundaries better than the magnetic data mainly because the radar is more sensitive to disturbed soil and that magnetic anomalies result from concentration of ferric material in the pit.

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Figure 1. Location of Reactor Areas on SRS

SCALE: 1 0 1 2 3 4 5 MI

LEGEND

- SRS ROAD
- SOUTH CAROLINA HIGHWAY
- ⬢ US HIGHWAY

FIGURE 1a

SITE LOCATION MAP

SRS REACTOR AREAS

SRS		SRS	
SAVANNAH RIVER SITE		SAVANNAH RIVER SITE	
SITE LOCATION MAP SRS REACTOR AREAS			
DATE	BY	DATE	BY
1-1-84	MA	1-1-84	MA
1-1-84	MA	1-1-84	MA
1-1-84	MA	1-1-84	MA
1-1-84	MA	1-1-84	MA
1-1-84	MA	1-1-84	MA

Fig 1

801
1-3

Figure 2. Location of K-Area Bingham Pump Outage Pit in Relation to K Area

715

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)

Diurnal Variation

Micropulsations

Magnetic Storm

M93X2091.10.all

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

M93X2091.08.A1L

Fig 4

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

M93X2091.07.AIL

215

Figure 6. Typical profiles of magnetic field intensity across a monopole and dipole 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)

M93X2091.06.AIL

7156

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

94X06184.03.AIL

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

94X06184.02.AIL

Fig 8

Figure 9. Model total field and vertical gradient magnetic profiles for a single 55-gallon steel drum in vertical position with the top at various distances from 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).

94X06184.01.AIL

Fig 9

Figure 10. Contour representation of total field anomaly calculated for a single 55-gallon in vertical position with the top 10 feet 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)

- Drum Location
- + 5 Ft Grid Nodes
- ▲ 10 Ft Grid Nodes
- 20 Ft Grid Nodes

93X2091.02.AIL

Fig 10

Figure 11. Contour representation of a cache of five steel 55-gallon drums in a 12-ft by 12-ft area with the top of the drum 10 feet 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)

Fig 11

Figure 12. Planimetric map of K-Area Bingham Pump Outage Pit Magnetic Survey Area

214

407

Fig. 11

Figure 13. Station locations for the K-Area Bingham Pump Outage Pit Survey. Station locations marked by “+”.

Fig 13

90%

Fig. 13

Figure 14. Color-contoured K-Area Bingham Pump Outage Pit magnetic survey diurnally corrected top sensor data

Figure 15. Color-contoured K-Area Bingham Pump Outage Pit magnetic survey diurnally corrected bottom sensor data

Fig. 16

Fig. 16

Fig. 15

Figure 16. Color-contoured K-Area Bingham Pump Outage Pit magnetic vertical gradient

Fig. 16

Fig. 16

Figure 17. Location of ground penetrating radar survey lines oriented perpendicular to the K-Area Bingham Pump Outage Pit shown in magnetic survey station locations and color contoured vertical gradient data.

7/5/17
L1517

Figure 18. Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 14.

LINE 14

Fig. 181

Fig 18

10020

Figure 19. Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 15.

LINE 15

Fig. 19
105

Figure 20. Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 16.

LINE 16

Fig. 16²⁰

Figure 21. Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 17.

LINE 17

120

Fig. R21

Figure 22. Radar transects shown in conjunction with corresponding vertical gradient profiles with radar line 18.

LINE 18

22/2
1/3

*Appendix A, K-Area Bingham Pump
Outage Pit Magnetic Survey Data*

K-Area Bingham Pump Outage Pit Magnetic Survey Data

APPENDIX: K-Area Bingham Pump Outage Pit Magnetic Survey Data

* denotes missing value

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
0	263	110143	10	0	0	51461.1	51462.7	-1.6	51427.5	51430.4	-2.9	-16.8
0	263	110154	12	0	5	51414.0	51415.6	-1.6	51411.0	51413.9	-2.9	-1.5
0	263	110204	14	0	10	51390.1	51391.6	-1.5	51401.1	51404.0	-2.9	5.5
0	263	110214	16	0	15	51376.5	51378.0	-1.5	51387.4	51390.3	-2.9	5.5
0	263	110225	18	0	20	51357.7	51359.2	-1.5	51366.0	51368.8	-2.8	4.2
0	263	110235	20	0	25	51334.9	51336.4	-1.5	51338.9	51341.7	-2.8	2.0
0	263	110246	22	0	30	51319.4	51320.9	-1.5	51315.7	51318.5	-2.8	-1.9
0	263	110257	24	0	35	51312.3	51313.8	-1.5	51296.0	51298.8	-2.8	-8.2
0	263	110308	26	0	40	51287.8	51289.3	-1.5	51227.0	51229.8	-2.8	-30.4
0	263	110318	28	0	45	51243.4	51244.9	-1.5	51211.7	51214.4	-2.7	-15.9
0	263	110329	30	0	50	51260.3	51261.8	-1.5	51254.1	51256.8	-2.7	-3.1
0	263	110340	32	0	55	51267.5	51269.0	-1.5	51265.6	51268.3	-2.7	-0.9
0	263	110350	34	0	60	51271.8	51273.2	-1.4	51272.2	51274.9	-2.7	0.2
0	263	110401	36	0	65	51274.9	51276.3	-1.4	51276.5	51279.2	-2.7	0.8
0	263	110412	38	0	70	51279.4	51280.8	-1.4	51284.2	51286.8	-2.6	2.4
0	263	110422	40	0	75	51276.7	51278.1	-1.4	51281.3	51283.9	-2.6	2.3
0	263	110434	42	0	80	51272.1	51273.5	-1.4	51273.3	51275.9	-2.6	0.6
0	263	110445	44	0	85	51263.5	51264.9	-1.4	51258.2	51260.8	-2.6	-2.7
0	263	110456	46	0	90	51245.6	51247.0	-1.4	51211.8	51214.4	-2.6	-16.9
0	263	110507	48	0	95	51245.1	51246.5	-1.4	51201.2	51203.7	-2.5	-22.0
0	263	110517	50	0	100	51271.4	51272.8	-1.4	51266.0	51268.5	-2.5	-2.7
0	263	110529	52	0	105	51295.0	51296.4	-1.4	51300.5	51303.0	-2.5	2.8
0	263	110539	54	0	110	51310.1	51311.4	-1.3	51317.9	51320.4	-2.5	3.9
0	263	110552	56	0	115	51317.1	51318.4	-1.3	51322.8	51325.2	-2.4	2.9
0	263	110603	58	0	120	51323.3	51324.6	-1.3	51330.1	51332.5	-2.4	3.4
1	263	110625	60	10	120	51334.5	51335.8	-1.3	51312.0	51314.4	-2.4	-11.3
1	263	110637	62	10	115	51320.7	51322.0	-1.3	51299.6	51302.0	-2.4	-10.5
1	263	110647	64	10	110	51306.1	51307.4	-1.3	51280.4	51282.7	-2.3	-12.9
1	263	110657	66	10	105	51282.1	51283.4	-1.3	51247.5	51249.8	-2.3	-17.3
1	263	110708	68	10	100	51274.9	51276.2	-1.3	51164.2	51166.5	-2.3	-55.4
1	263	110719	70	10	95	51429.2	51430.5	-1.3	51591.7	51594.0	-2.3	81.3
1	263	110730	72	10	90	51131.1	51132.3	-1.2	51010.6	51012.9	-2.3	-60.3
1	263	110741	74	10	85	51169.2	51170.4	-1.2	51089.4	51091.6	-2.2	-39.9
1	263	110752	76	10	80	51238.4	51239.6	-1.2	51191.7	51193.9	-2.2	-23.4
1	263	110802	78	10	75	51266.7	51267.9	-1.2	51227.9	51230.1	-2.2	-19.4
1	263	110813	80	10	70	51269.8	51271.0	-1.2	51228.6	51230.8	-2.2	-20.6
1	263	110823	82	10	65	51266.6	51267.8	-1.2	51221.3	51223.5	-2.2	-22.7
1	263	110833	84	10	60	51260.4	51261.6	-1.2	51209.6	51211.7	-2.1	-25.4
1	263	110844	86	10	55	51253.7	51254.9	-1.2	51193.8	51195.9	-2.1	-29.9
1	263	110854	88	10	50	51222.8	51224.0	-1.2	51124.7	51126.8	-2.1	-49.1
1	263	110905	90	10	45	51280.6	51281.8	-1.2	51171.2	51173.3	-2.1	-54.7
1	263	110915	92	10	40	51396.8	51397.9	-1.1	51448.7	51450.8	-2.1	25.9
1	263	110926	94	10	35	51243.9	51245.0	-1.1	51147.1	51149.1	-2.0	-48.4
1	263	110940	96	10	30	51218.8	51219.9	-1.1	51086.9	51088.9	-2.0	-65.9
1	263	110951	98	10	25	51310.6	51311.7	-1.1	51225.1	51227.1	-2.0	-42.8
1	263	111002	100	10	20	51386.2	51387.3	-1.1	51342.1	51344.1	-2.0	-22.0
1	263	111012	102	10	15	51427.8	51428.9	-1.1	51402.1	51404.0	-1.9	-12.9
1	263	111023	104	10	10	51458.5	51459.6	-1.1	51451.6	51453.5	-1.9	-3.4
1	263	111033	106	10	5	51489.4	51490.5	-1.1	51486.0	51487.9	-1.9	-1.7
1	263	111045	108	10	0	51522.7	51523.8	-1.1	51526.9	51528.8	-1.9	2.1
2	263	111104	110	20	0	51474.3	51475.3	-1.0	51597.1	51598.9	-1.8	61.4

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
2	263	111114	112	20	5	51495.6	51496.6	-1.0	51582.4	51584.2	-1.8	43.4
2	263	111125	114	20	10	51500.1	51501.1	-1.0	51547.6	51549.4	-1.8	23.8
2	263	111135	116	20	15	51481.1	51482.1	-1.0	51474.4	51476.2	-1.8	-3.4
2	263	111146	118	20	20	51427.6	51428.6	-1.0	51312.1	51313.9	-1.8	-57.8
2	263	111157	120	20	25	51542.2	51543.2	-1.0	51479.5	51481.2	-1.7	-31.4
2	263	111209	122	20	30	•	•	•	•	•	•	•
2	263	111220	124	20	35	52030.9	52031.9	-1.0	52381.6	52383.3	-1.7	175.4
2	263	111231	126	20	40	51300.3	51301.3	-1.0	51160.8	51162.5	-1.7	-69.8
2	263	111241	128	20	45	51264.6	51265.6	-1.0	51113.3	51115.0	-1.7	-75.7
2	263	111252	130	20	50	51233.4	51234.3	-0.9	51107.0	51108.6	-1.6	-63.2
2	263	111302	132	20	55	51220.6	51221.5	-0.9	51124.3	51125.9	-1.6	-48.2
2	263	111311	134	20	60	51217.6	51218.5	-0.9	51151.2	51152.8	-1.6	-33.2
2	263	111325	136	20	65	51223.3	51224.2	-0.9	51181.4	51183.0	-1.6	-20.9
2	263	111335	138	20	70	51236.0	51236.9	-0.9	51207.6	51209.2	-1.6	-14.2
2	263	111345	140	20	75	51233.3	51234.2	-0.9	51200.7	51202.2	-1.5	-16.3
2	263	111356	142	20	80	51189.5	51190.4	-0.9	51064.4	51065.9	-1.5	-62.5
2	263	111407	144	20	85	52109.4	52110.3	-0.9	•	•	•	•
2	263	111418	146	20	90	52209.5	52210.4	-0.9	52103.9	52105.4	-1.5	-52.8
2	263	111429	148	20	95	51027.4	51028.3	-0.9	50873.9	50875.4	-1.5	-76.8
2	263	111439	150	20	100	51223.6	51224.5	-0.9	51199.1	51200.5	-1.4	-12.3
2	263	111449	152	20	105	51273.9	51274.7	-0.8	51260.8	51262.2	-1.4	-6.6
2	263	111459	154	20	110	51293.6	51294.4	-0.8	51291.3	51292.7	-1.4	-1.2
2	263	111509	156	20	115	51303.7	51304.5	-0.8	51308.3	51309.7	-1.4	2.3
2	263	111519	158	20	120	51312.2	51313.0	-0.8	51321.7	51323.1	-1.4	4.8
3	263	111558	160	30	120	51268.8	51269.6	-0.8	51249.5	51250.8	-1.3	-9.7
3	263	111609	162	30	115	51289.2	51290.0	-0.8	51236.5	51237.8	-1.3	-26.4
3	263	111619	164	30	110	51323.2	51324.0	-0.8	51254.7	51255.9	-1.2	-34.3
3	263	111630	166	30	105	51354.2	51354.9	-0.7	51274.2	51275.4	-1.2	-40.0
3	263	111640	168	30	100	51371.7	51372.4	-0.7	51269.5	51270.7	-1.2	-51.1
3	263	111650	170	30	95	51362.2	51362.9	-0.7	51250.2	51251.4	-1.2	-56.0
3	263	111701	172	30	90	51334.9	51335.6	-0.7	51232.1	51233.3	-1.2	-51.4
3	263	111711	174	30	85	51292.1	51292.8	-0.7	51220.6	51221.7	-1.1	-35.8
3	263	111721	176	30	80	51255.4	51256.1	-0.7	51196.6	51197.7	-1.1	-29.4
3	263	111731	178	30	75	51240.5	51241.2	-0.7	51171.9	51173.0	-1.1	-34.3
3	263	111742	180	30	70	51255.1	51255.8	-0.7	51157.4	51158.5	-1.1	-48.9
3	263	111751	182	30	65	51308.2	51308.9	-0.7	51153.3	51154.4	-1.1	-77.4
3	263	111802	184	30	60	51429.1	51429.8	-0.7	51176.1	51177.1	-1.0	-126.5
3	263	111813	186	30	55	51638.4	51639.1	-0.7	51282.6	51283.6	-1.0	-177.9
3	263	111824	188	30	50	52008.9	52009.5	-0.6	51531.1	51532.1	-1.0	-238.9
3	263	111835	190	30	45	52250.2	52250.8	-0.6	51789.1	51790.1	-1.0	-230.5
3	263	111846	192	30	40	52468.4	52469.0	-0.6	52000.4	52001.4	-1.0	-234.0
3	263	111857	194	30	35	52442.9	52443.5	-0.6	52063.0	52063.9	-0.9	-190.0
3	263	111909	196	30	30	52318.3	52318.9	-0.6	52025.9	52026.8	-0.9	-146.2
3	263	111934	198	30	25	52052.0	52052.6	-0.6	51864.3	51865.2	-0.9	-93.9
3	263	111944	200	30	20	51835.4	51836.0	-0.6	51769.1	51769.9	-0.8	-33.2
3	263	111956	202	30	15	51634.6	51635.2	-0.6	51661.8	51662.6	-0.8	13.6
3	263	112009	204	30	10	51430.6	51431.1	-0.5	51546.8	51547.6	-0.8	58.1
3	263	112020	206	30	5	51197.9	51198.4	-0.5	51410.9	51411.7	-0.8	106.5
3	263	112032	208	30	0	50902.6	50903.1	-0.5	51196.9	51197.7	-0.8	147.2
4	263	114025	230	40	0	49328.6	49328.1	0.5	48477.1	48478.2	-1.1	-425.8
4	263	114037	232	40	5	50515.2	50514.7	0.5	50168.5	50169.6	-1.1	-173.4
4	263	114048	234	40	10	51380.4	51379.8	0.6	51431.0	51432.0	-1.0	25.3
4	263	114059	236	40	15	52160.8	52160.2	0.6	52494.9	52495.9	-1.0	167.1
4	263	114110	238	40	20	52946.3	52945.6	0.7	53598.5	53599.4	-0.9	326.1

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
4	263	114121	240	40	25	53923.1	53922.4	0.7	55005.8	55006.7	-0.9	541.4
4	263	114131	242	40	30	54957.1	54956.3	0.8	56660.6	56661.5	-0.9	851.8
4	263	114141	244	40	35	52015.4	52014.6	0.8	54546.0	54546.8	-0.8	1265.3
4	263	114151	246	40	40	•	•	•	*	•	•	•
4	263	114202	248	40	45	•	•	•	58566.5	58567.2	-0.7	•
4	263	114216	250	40	50	52295.7	52294.7	1.0	52160.4	52161.1	-0.7	-67.6
4	263	114227	252	40	55	53064.6	53063.5	1.1	52231.5	52232.1	-0.6	-416.6
4	263	114238	254	40	60	52134.5	52133.4	1.1	52521.7	52522.3	-0.6	193.6
4	263	114249	256	40	65	51607.7	51606.5	1.2	51735.0	51735.5	-0.5	63.7
4	263	114300	258	40	70	51303.0	51301.8	1.2	51296.1	51296.6	-0.5	-3.4
4	263	114311	260	40	75	51169.2	51167.9	1.3	50993.5	50993.9	-0.4	-87.9
4	263	114322	262	40	80	51248.5	51247.2	1.3	51124.9	51125.3	-0.4	-61.8
4	263	114333	264	40	85	51512.4	51511.0	1.4	51547.0	51547.3	-0.3	17.3
4	263	114344	266	40	90	51873.5	51872.1	1.4	52185.2	52185.5	-0.3	155.9
4	263	114355	268	40	95	52112.1	52110.6	1.5	52815.1	52815.3	-0.2	351.5
4	263	114406	270	40	100	52044.2	52042.7	1.5	52459.9	52460.1	-0.2	207.9
4	263	114417	272	40	105	51833.4	51831.8	1.6	52084.2	52084.3	-0.1	125.4
4	263	114428	274	40	110	51575.8	51574.2	1.6	51694.4	51694.5	-0.1	59.3
4	263	114439	276	40	115	51293.1	51291.4	1.7	51241.1	51241.2	-0.1	-26.0
4	263	114450	278	40	120	51048.6	51046.9	1.7	50843.1	50843.1	0.0	-102.8
5	263	114509	280	50	120	51257.6	51255.8	1.8	51204.7	51204.6	0.1	-26.5
5	263	114520	282	50	115	51421.1	51419.2	1.9	51392.1	51392.0	0.1	-14.5
5	263	114530	284	50	110	51567.5	51565.6	1.9	51567.4	51567.2	0.2	0.0
5	263	114541	286	50	105	51677.9	51675.9	2.0	51697.0	51696.8	0.2	9.5
5	263	114552	288	50	100	51708.6	51706.6	2.0	51713.6	51713.3	0.3	2.5
5	263	114604	290	50	95	51571.5	51569.4	2.1	51276.4	51276.1	0.3	-147.5
5	263	114615	292	50	90	51628.3	51626.2	2.1	50455.6	50455.2	0.4	-586.4
5	263	114626	294	50	85	51394.4	51392.2	2.2	50680.7	50680.3	0.4	-356.9
5	263	114636	296	50	80	51097.0	51094.8	2.2	50981.5	50981.0	0.5	-57.8
5	263	114647	298	50	75	50913.6	50911.3	2.3	50871.9	50871.4	0.5	-20.9
5	263	114658	300	50	70	50650.3	50648.0	2.3	50560.8	50560.3	0.5	-44.8
5	263	114708	302	50	65	50348.8	50346.4	2.4	50205.8	50205.2	0.6	-71.5
5	263	114719	304	50	60	50233.5	50231.1	2.4	52145.7	52145.1	0.6	956.1
5	263	114729	306	50	55	50609.3	50606.8	2.5	50130.0	50129.3	0.7	-239.7
5	263	114740	308	50	50	52023.1	52020.6	2.5	52010.3	52009.6	0.7	-6.4
5	263	114751	310	50	45	53188.1	53185.5	2.6	53375.4	53374.6	0.8	93.7
5	263	114802	312	50	40	53515.3	53512.7	2.6	53766.7	53765.9	0.8	125.7
5	263	114814	314	50	35	53230.4	53227.7	2.7	54431.5	54430.6	0.9	600.5
5	263	114824	316	50	30	53513.2	53510.5	2.7	54425.2	54424.3	0.9	456.0
5	263	114835	318	50	25	52588.3	52585.5	2.8	52813.0	52812.0	1.0	112.4
5	263	114846	320	50	20	52036.7	52033.9	2.8	52057.4	52056.4	1.0	10.4
5	263	114856	322	50	15	51605.3	51602.4	2.9	51606.3	51605.3	1.0	0.5
5	263	114908	324	50	10	51126.9	51124.0	2.9	51126.2	51125.1	1.1	-0.4
5	263	114918	326	50	5	50692.7	50689.7	3.0	50664.5	50663.4	1.1	-14.1
5	263	114928	328	50	0	50249.4	50246.4	3.0	50169.2	50168.0	1.2	-40.1
6	263	115002	330	60	0	51004.1	51000.9	3.2	50989.4	50988.1	1.3	-7.4
6	263	115012	332	60	5	51150.0	51146.8	3.2	51173.2	51171.8	1.4	11.6
6	263	115023	334	60	10	51310.2	51306.9	3.3	51323.8	51322.4	1.4	6.8
6	263	115034	336	60	15	51459.7	51456.3	3.4	51455.1	51453.6	1.5	-2.3
6	263	115043	338	60	20	51571.0	51567.6	3.4	51553.9	51552.4	1.5	-8.5
6	263	115054	340	60	25	51669.5	51666.1	3.4	51629.6	51628.0	1.6	-19.9
6	263	115106	342	60	30	51691.4	51687.9	3.5	51607.7	51606.1	1.6	-41.9
6	263	115117	344	60	35	51582.7	51579.1	3.6	51371.1	51369.4	1.7	-105.8
6	263	115129	346	60	40	51473.9	51470.3	3.6	51482.0	51480.3	1.7	4.0

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
6	263	115140	348	60	45	50956.9	50953.2	3.7	50333.9	50332.2	1.7	-311.5
6	263	115151	350	60	50	51568.6	51564.9	3.7	58593.8	58592.0	1.8	3512.6
6	263	115202	352	60	55	52023.9	52020.1	3.8	58584.5	58582.7	1.8	3280.3
6	263	115212	354	60	60	52199.8	52196.0	3.8	52113.7	52111.8	1.9	-43.1
6	263	115223	356	60	65	49457.7	49453.8	3.9	48419.0	48417.1	1.9	-519.4
6	263	115235	358	60	70	50130.3	50126.4	3.9	49734.9	49732.9	2.0	-197.7
6	263	115246	360	60	75	50664.7	50660.7	4.0	50489.9	50487.9	2.0	-87.4
6	263	115257	362	60	80	51043.4	51039.4	4.0	50852.7	50850.6	2.1	-95.4
6	263	115308	364	60	85	51422.7	51418.6	4.1	51017.2	51015.1	2.1	-202.8
6	263	115319	366	60	90	51427.6	51423.5	4.1	51097.3	51095.1	2.2	-165.2
6	263	115330	368	60	95	51344.2	51340.0	4.2	51260.5	51258.3	2.2	-41.9
6	263	115341	370	60	100	51365.0	51360.8	4.2	51341.7	51339.4	2.3	-11.7
6	263	115351	372	60	105	51372.0	51367.7	4.3	51364.8	51362.5	2.3	-3.6
6	263	115400	374	60	110	51356.9	51352.6	4.3	51352.4	51350.0	2.4	-2.3
6	263	115412	376	60	115	51330.9	51326.5	4.4	51324.2	51321.8	2.4	-3.4
6	263	115424	378	60	120	51311.8	51307.4	4.4	51305.1	51302.6	2.5	-3.4
7	263	115456	380	70	120	51334.7	51330.1	4.6	51321.7	51319.1	2.6	-6.5
7	263	115508	382	70	115	51331.0	51326.4	4.6	51315.8	51313.2	2.6	-7.6
7	263	115518	384	70	110	51320.2	51315.5	4.7	51305.2	51302.5	2.7	-7.5
7	263	115528	386	70	105	51299.7	51295.0	4.7	51284.1	51281.4	2.7	-7.8
7	263	115538	388	70	100	51267.5	51262.7	4.8	51246.7	51243.9	2.8	-10.4
7	263	115547	390	70	95	51213.1	51208.3	4.8	51184.6	51181.8	2.8	-14.3
7	263	115558	392	70	90	51123.3	51118.4	4.9	51086.1	51083.2	2.9	-18.6
7	263	115607	394	70	85	51000.9	50996.0	4.9	50936.6	50933.7	2.9	-32.2
7	263	115617	396	70	80	50837.3	50832.3	5.0	50704.1	50701.2	2.9	-66.6
7	263	115628	398	70	75	50706.0	50701.0	5.0	50344.3	50341.3	3.0	-180.9
7	263	115639	400	70	70	51205.6	51200.5	5.1	50531.2	50528.2	3.0	-337.2
7	263	115650	402	70	65	53758.0	53752.9	5.1	58574.8	58571.7	3.1	2408.4
7	263	115700	404	70	60	58630.7	58625.5	5.2	58594.2	58591.1	3.1	-18.3
7	263	115711	406	70	55	58558.6	58553.4	5.2	58590.4	58587.2	3.2	15.9
7	263	115722	408	70	50	53993.6	53988.3	5.3	54954.8	54951.6	3.2	480.6
7	263	115732	410	70	45	51800.5	51795.2	5.3	51294.3	51291.0	3.3	-253.1
7	263	115742	412	70	40	51385.1	51379.7	5.4	51098.3	51095.0	3.3	-143.4
7	263	115753	414	70	35	51332.1	51326.7	5.4	51183.9	51180.6	3.3	-74.1
7	263	115804	416	70	30	51351.3	51345.8	5.5	51261.9	51258.5	3.4	-44.7
7	263	115901	418	70	25	51359.3	51353.6	5.7	51305.8	51302.2	3.6	-26.8
7	263	115912	420	70	20	51353.6	51347.8	5.8	51316.9	51313.2	3.7	-18.4
7	263	115922	422	70	15	51322.6	51316.8	5.8	51299.4	51295.7	3.7	-11.6
7	263	115932	424	70	10	51283.9	51278.0	5.9	51261.3	51257.5	3.8	-11.3
7	263	115941	426	70	5	51230.8	51224.9	5.9	51219.0	51215.2	3.8	-5.9
7	263	115952	428	70	0	51168.0	51162.0	6.0	51163.3	51159.4	3.9	-2.4
8	263	121302	450	80	0	51239.5	51234.5	5.0	51243.9	51243.5	0.4	2.2
8	263	121313	452	80	5	51260.7	51255.7	5.0	51259.7	51259.2	0.5	-0.5
8	263	121323	454	80	10	51276.8	51271.8	5.0	51273.9	51273.4	0.5	-1.4
8	263	121333	456	80	15	51285.4	51280.4	5.0	51275.1	51274.5	0.6	-5.2
8	263	121343	458	80	20	51282.3	51277.2	5.1	51257.3	51256.7	0.6	-12.5
8	263	121353	460	80	25	51264.1	51259.0	5.1	51220.7	51220.1	0.6	-21.7
8	263	121403	462	80	30	51237.2	51232.1	5.1	51158.5	51157.8	0.7	-39.4
8	263	121414	464	80	35	51212.5	51207.3	5.2	51060.5	51059.8	0.7	-76.0
8	263	121425	466	80	40	51265.1	51259.9	5.2	50957.6	50956.9	0.7	-153.8
8	263	121436	468	80	45	51614.6	51609.4	5.2	50931.1	50930.3	0.8	-341.8
8	263	121447	470	80	50	52660.0	52654.8	5.2	51988.7	51987.9	0.8	-335.7
8	263	121457	472	80	55	53806.2	53800.9	5.3	54441.5	54440.7	0.8	317.7
8	263	121508	474	80	60	52888.2	52882.9	5.3	53103.3	53102.4	0.9	107.6

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
8	263	121519	476	80	65	51444.7	51439.4	5.3	50879.7	50878.8	0.9	-282.5
8	263	121530	478	80	70	50830.3	50824.9	5.4	50455.1	50454.2	0.9	-187.6
8	263	121541	480	80	75	50762.0	50756.6	5.4	50613.4	50612.4	1.0	-74.3
8	263	121551	482	80	80	50871.9	50866.5	5.4	50815.1	50814.1	1.0	-28.4
8	263	121602	484	80	85	51014.8	51009.3	5.5	50992.1	50991.0	1.1	-11.4
8	263	121612	486	80	90	51118.7	51113.2	5.5	51109.5	51108.4	1.1	-4.6
8	263	121622	488	80	95	51185.1	51179.6	5.5	51183.3	51182.2	1.1	-0.9
8	263	121633	490	80	100	51239.8	51234.3	5.5	51239.8	51238.6	1.2	0.0
8	263	121644	492	80	105	51274.5	51268.9	5.6	51274.6	51273.4	1.2	0.1
8	263	121653	494	80	110	51297.3	51291.7	5.6	51299.7	51298.5	1.2	1.2
8	263	121704	496	80	115	51313.8	51308.2	5.6	51311.8	51310.5	1.3	-1.0
8	263	121714	498	80	120	51324.7	51319.1	5.6	51326.2	51324.9	1.3	0.8
9	263	121738	500	90	120	51310.4	51304.7	5.7	51306.7	51305.3	1.4	-1.9
9	263	121749	502	90	115	51289.9	51284.2	5.7	51287.8	51286.4	1.4	-1.1
9	263	121759	504	90	110	51267.0	51261.2	5.8	51262.2	51260.7	1.5	-2.4
9	263	121810	506	90	105	51230.2	51224.4	5.8	51225.1	51223.6	1.5	-2.5
9	263	121820	508	90	100	51178.4	51172.6	5.8	51174.3	51172.8	1.5	-2.1
9	263	121832	510	90	95	51104.5	51098.6	5.9	51097.4	51095.8	1.6	-3.5
9	263	121843	512	90	90	50979.8	50973.9	5.9	50968.0	50966.4	1.6	-5.9
9	263	121853	514	90	85	50810.7	50804.8	5.9	50766.4	50764.8	1.6	-22.1
9	263	121904	516	90	80	50537.1	50531.1	6.0	50385.2	50383.5	1.7	-76.0
9	263	121915	518	90	75	50234.0	50228.0	6.0	49845.1	49843.4	1.7	-194.4
9	263	121927	520	90	70	50037.1	50031.1	6.0	49339.1	49337.3	1.8	-349.0
9	263	121938	522	90	65	50581.3	50575.3	6.0	50738.9	50737.1	1.8	78.8
9	263	121949	524	90	60	51777.5	51771.4	6.1	51710.9	51709.1	1.8	-33.3
9	263	121959	526	90	55	52419.8	52413.7	6.1	52373.5	52371.6	1.9	-23.2
9	263	122011	528	90	50	52086.4	52080.3	6.1	51854.0	51852.1	1.9	-116.2
9	263	122022	530	90	45	51497.4	51491.2	6.2	51119.9	51118.0	1.9	-188.8
9	263	122033	532	90	40	51256.9	51250.7	6.2	51035.7	51033.7	2.0	-110.6
9	263	122044	534	90	35	51198.7	51192.5	6.2	51044.1	51042.1	2.0	-77.3
9	263	122055	536	90	30	51201.7	51195.4	6.3	51105.8	51103.7	2.1	-47.9
9	263	122106	538	90	25	51238.9	51232.6	6.3	51174.7	51172.6	2.1	-32.1
9	263	122116	540	90	20	51267.9	51261.6	6.3	51227.4	51225.3	2.1	-20.3
9	263	122127	542	90	15	51279.1	51272.8	6.3	51251.5	51249.3	2.2	-13.8
9	263	122137	544	90	10	51283.1	51276.7	6.4	51262.9	51260.7	2.2	-10.1
9	263	122148	546	90	5	51282.7	51276.3	6.4	51265.8	51263.6	2.2	-8.4
9	263	122158	548	90	0	51279.3	51272.9	6.4	51266.7	51264.4	2.3	-6.3
10	263	122221	550	100	0	51293.6	51287.1	6.5	51292.7	51290.3	2.4	-0.5
10	263	122233	552	100	5	51291.1	51284.6	6.5	51281.2	51278.8	2.4	-5.0
10	263	122243	554	100	10	51283.9	51277.3	6.6	51268.0	51265.6	2.4	-8.0
10	263	122254	556	100	15	51273.2	51266.6	6.6	51244.6	51242.1	2.5	-14.3
10	263	122305	558	100	20	51263.7	51257.1	6.6	51208.8	51206.3	2.5	-27.4
10	263	122316	560	100	25	51351.7	51345.1	6.6	51156.5	51154.0	2.5	-97.6
10	263	122328	562	100	30	51268.1	51261.4	6.7	51053.9	51051.3	2.6	-107.1
10	263	122339	564	100	35	51295.6	51288.9	6.7	51120.8	51118.2	2.6	-87.4
10	263	122350	566	100	40	51579.9	51573.2	6.7	51323.1	51320.4	2.7	-128.4
10	263	122402	568	100	45	52683.4	52676.6	6.8	52574.2	52571.5	2.7	-54.6
10	263	122413	570	100	50	54944.8	54938.0	6.8	58519.1	58516.4	2.7	1787.2
10	263	122426	572	100	55	54534.6	54527.8	6.8	58613.3	58610.5	2.8	2039.4
10	263	122438	574	100	60	52851.2	52844.3	6.9	52082.5	52079.7	2.8	-384.4
10	263	122449	576	100	65	52724.2	52717.3	6.9	58587.0	58584.1	2.9	2931.4
10	263	122500	578	100	70	50328.5	50321.6	6.9	58567.2	58564.3	2.9	4119.4
10	263	122512	580	100	75	50143.1	50136.1	7.0	49619.4	49616.5	2.9	-261.9
10	263	122524	582	100	80	50458.7	50451.7	7.0	50286.5	50283.5	3.0	-86.1

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
10	263	122536	584	100	85	50747.5	50740.5	7.0	50696.8	50693.8	3.0	-25.4
10	263	122547	586	100	90	50940.9	50933.8	7.1	50926.3	50923.2	3.1	-7.3
10	263	122557	588	100	95	51067.6	51060.5	7.1	51066.6	51063.5	3.1	-0.5
10	263	122608	590	100	100	51152.0	51144.9	7.1	51156.0	51152.9	3.1	2.0
10	263	122619	592	100	105	51213.4	51206.3	7.1	51214.8	51211.6	3.2	0.7
10	263	122629	594	100	110	51252.5	51245.3	7.2	51256.0	51252.8	3.2	1.8
10	263	122641	596	100	115	51280.6	51273.4	7.2	51282.6	51279.4	3.2	1.0
10	263	122652	598	100	120	51301.3	51294.1	7.2	51301.2	51297.9	3.3	-0.1
11	263	122731	600	110	120	51287.0	51279.7	7.3	51281.3	51277.9	3.4	-2.9
11	263	122742	602	110	115	51256.6	51249.2	7.4	51253.2	51249.7	3.5	-1.7
11	263	122753	604	110	110	51218.7	51211.3	7.4	51213.5	51210.0	3.5	-2.6
11	263	122803	606	110	105	51169.3	51161.9	7.4	51161.4	51157.9	3.5	-3.9
11	263	122814	608	110	100	51089.0	51081.5	7.5	51081.0	51077.4	3.6	-4.0
11	263	122824	610	110	95	50984.3	50976.8	7.5	50950.8	50947.2	3.6	-16.8
11	263	122835	612	110	90	50986.5	50979.0	7.5	50736.0	50732.4	3.6	-125.3
11	263	122847	614	110	85	50672.3	50664.7	7.6	50481.5	50477.8	3.7	-95.4
11	263	122900	616	110	80	50338.9	50331.3	7.6	50075.4	50071.7	3.7	-131.8
11	263	122912	618	110	75	50219.1	50211.5	7.6	49631.3	49627.5	3.8	-293.9
11	263	122924	620	110	70	50491.5	50483.8	7.7	51856.5	51852.7	3.8	682.5
11	263	122936	622	110	65	51604.0	51596.3	7.7	50528.7	50524.9	3.8	-537.7
11	263	122948	624	110	60	52702.4	52694.7	7.7	52131.9	52128.0	3.9	-285.3
11	263	122959	626	110	55	52387.2	52379.5	7.7	54429.0	54425.1	3.9	1020.9
11	263	123011	628	110	50	51772.4	51764.6	7.8	51090.8	51086.8	4.0	-340.8
11	263	123022	630	110	45	51424.8	51417.0	7.8	51010.2	51006.2	4.0	-207.3
11	263	123034	632	110	40	51298.2	51290.4	7.8	51060.7	51056.7	4.0	-118.8
11	263	123045	634	110	35	51244.7	51236.8	7.9	51107.6	51103.5	4.1	-68.5
11	263	123056	636	110	30	51251.4	51243.5	7.9	51169.9	51165.8	4.1	-40.8
11	263	123135	638	110	25	51268.1	51260.1	8.0	51208.3	51204.1	4.2	-29.9
11	263	123147	640	110	20	51281.0	51273.0	8.0	51241.7	51237.4	4.3	-19.7
11	263	123158	642	110	15	51293.7	51285.6	8.1	51265.1	51260.8	4.3	-14.3
11	263	123209	644	110	10	51304.3	51296.2	8.1	51284.0	51279.6	4.4	-10.2
11	263	123219	646	110	5	51311.8	51303.7	8.1	51294.9	51290.5	4.4	-8.4
11	263	123230	648	110	0	51311.9	51303.7	8.2	51298.1	51293.7	4.4	-6.9
12	263	124245	670	120	0	51310.2	51300.6	9.6	51304.3	51300.3	4.0	-2.9
12	263	124255	672	120	5	51312.4	51302.8	9.6	51300.9	51296.9	4.0	-5.8
12	263	124306	674	120	10	51307.6	51297.9	9.7	51292.1	51288.0	4.1	-7.8
12	263	124316	676	120	15	51304.7	51295.0	9.7	51276.7	51272.6	4.1	-14.0
12	263	124326	678	120	20	51303.4	51293.7	9.7	51263.9	51259.8	4.1	-19.8
12	263	124336	680	120	25	51300.1	51290.4	9.7	51236.8	51232.6	4.2	-31.7
12	263	124347	682	120	30	51311.4	51301.7	9.7	51208.9	51204.7	4.2	-51.3
12	263	124358	684	120	35	51364.8	51355.1	9.7	51193.1	51188.8	4.3	-85.9
12	263	124410	686	120	40	51535.0	51525.2	9.8	51260.0	51255.7	4.3	-137.5
12	263	124422	688	120	45	52115.6	52105.8	9.8	51750.5	51746.1	4.4	-182.6
12	263	124434	690	120	50	53736.8	53727.0	9.8	54052.0	54047.6	4.4	157.6
12	263	124445	692	120	55	57630.2	57620.4	9.8	•	•	•	•
12	263	124456	694	120	60	54849.3	54839.5	9.8	52072.0	52067.5	4.5	-1388.7
12	263	124507	696	120	65	51479.3	51469.5	9.8	52156.2	52151.6	4.6	338.4
12	263	124518	698	120	70	50108.5	50098.6	9.9	49399.6	49395.0	4.6	-354.4
12	263	124530	700	120	75	50116.1	50106.2	9.9	49735.0	49730.4	4.6	-190.6
12	263	124542	702	120	80	50404.4	50394.5	9.9	50250.7	50246.0	4.7	-76.9
12	263	124553	704	120	85	50663.9	50654.0	9.9	50609.1	50604.4	4.7	-27.4
12	263	124603	706	120	90	50879.2	50869.3	9.9	50851.9	50847.1	4.8	-13.6
12	263	124613	708	120	95	51010.5	51000.6	9.9	51003.3	50998.5	4.8	-3.6
12	263	124624	710	120	100	51108.5	51098.5	10.0	51105.8	51100.9	4.9	-1.4

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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12	263	124635	712	120	105	51176.0	51166.0	10.0	51176.1	51171.2	4.9	0.1
12	263	124645	714	120	110	51223.4	51213.4	10.0	51224.1	51219.1	5.0	0.4
12	263	124655	716	120	115	51260.0	51250.0	10.0	51261.5	51256.5	5.0	0.8
12	263	124705	718	120	120	51278.4	51268.4	10.0	51276.3	51271.3	5.0	-1.1
13	263	124728	720	130	120	51268.9	51258.9	10.0	51261.4	51256.3	5.1	-3.8
13	263	124739	722	130	115	51234.2	51224.1	10.1	51226.4	51221.2	5.2	-3.9
13	263	124750	724	130	110	51186.7	51176.6	10.1	51178.7	51173.5	5.2	-4.0
13	263	124802	726	130	105	51121.8	51111.7	10.1	51111.1	51105.8	5.3	-5.4
13	263	124813	728	130	100	51028.4	51018.3	10.1	51010.7	51005.4	5.3	-8.9
13	263	124824	730	130	95	50893.1	50883.0	10.1	50857.1	50851.7	5.4	-18.0
13	263	124835	732	130	90	50684.8	50674.7	10.1	50613.5	50608.1	5.4	-35.7
13	263	124847	734	130	85	50394.4	50384.2	10.2	50197.4	50191.9	5.5	-98.5
13	263	124857	736	130	80	49993.3	49983.1	10.2	49479.6	49474.1	5.5	-256.9
13	263	124909	738	130	75	49929.6	49919.4	10.2	52052.1	52046.6	5.5	1061.3
13	263	124921	740	130	70	51217.1	51206.9	10.2	58528.8	58523.2	5.6	3655.9
13	263	124932	742	130	65	53707.5	53697.3	10.2	58571.6	58566.0	5.6	2432.1
13	263	124944	744	130	60	54714.0	54703.8	10.2	58548.3	58542.6	5.7	1917.2
13	263	124956	746	130	55	53920.8	53910.5	10.3	54259.8	54254.1	5.7	169.5
13	263	125008	748	130	50	52709.6	52699.3	10.3	52387.6	52381.8	5.8	-161.0
13	263	125020	750	130	45	51970.0	51959.7	10.3	51694.0	51688.2	5.8	-138.0
13	263	125031	752	130	40	51606.9	51596.6	10.3	51403.6	51397.7	5.9	-101.7
13	263	125042	754	130	35	51458.6	51448.3	10.3	51335.3	51329.4	5.9	-61.7
13	263	125053	756	130	30	51394.9	51384.6	10.3	51312.2	51306.2	6.0	-41.4
13	263	125104	758	130	25	51359.3	51348.9	10.4	51306.6	51300.6	6.0	-26.4
13	263	125115	760	130	20	51349.6	51339.2	10.4	51312.2	51306.1	6.1	-18.7
13	263	125127	762	130	15	51342.6	51332.2	10.4	51316.4	51310.3	6.1	-13.1
13	263	125138	764	130	10	51339.1	51328.7	10.4	51319.9	51313.7	6.2	-9.6
13	263	125149	766	130	5	51338.6	51328.2	10.4	51323.6	51317.4	6.2	-7.5
13	263	125159	768	130	0	51336.4	51326.0	10.4	51323.5	51317.3	6.2	-6.5
14	263	125218	770	140	0	51352.5	51342.0	10.5	51340.5	51334.2	6.3	-6.0
14	263	125229	772	140	5	51357.1	51346.6	10.5	51341.6	51335.2	6.4	-7.8
14	263	125239	774	140	10	51365.4	51354.9	10.5	51342.9	51336.5	6.4	-11.3
14	263	125250	776	140	15	51378.4	51367.9	10.5	51349.4	51342.9	6.5	-14.5
14	263	125300	778	140	20	51405.4	51394.9	10.5	51362.9	51356.4	6.5	-21.3
14	263	125310	780	140	25	51457.4	51446.9	10.5	51395.9	51389.4	6.5	-30.8
14	263	125324	782	140	30	51564.3	51553.7	10.6	51465.6	51459.0	6.6	-49.4
14	263	125335	784	140	35	51788.3	51777.7	10.6	51624.9	51618.3	6.6	-81.7
14	263	125347	786	140	40	52243.1	52232.5	10.6	52019.1	52012.4	6.7	-112.0
14	263	125358	788	140	45	53099.4	53088.8	10.6	52935.3	52928.6	6.7	-82.1
14	263	125409	790	140	50	54483.2	54472.6	10.6	54648.2	54641.4	6.8	82.5
14	263	125420	792	140	55	55248.4	55237.8	10.6	55385.3	55378.5	6.8	68.4
14	263	125431	794	140	60	54943.0	54932.3	10.7	55099.7	55092.8	6.9	78.4
14	263	125443	796	140	65	53040.5	53029.8	10.7	52722.7	52715.8	6.9	-158.9
14	263	125455	798	140	70	51115.8	51105.1	10.7	50077.7	50070.7	7.0	-519.1
14	263	125506	800	140	75	49964.9	49954.2	10.7	49262.9	49255.9	7.0	-351.0
14	263	125517	802	140	80	50290.9	50280.2	10.7	49964.2	49957.1	7.1	-163.4
14	263	125528	804	140	85	50608.1	50597.4	10.7	50469.6	50462.5	7.1	-69.3
14	263	125538	806	140	90	50822.8	50812.1	10.7	50767.5	50760.4	7.1	-27.7
14	263	125551	808	140	95	50976.0	50965.2	10.8	50952.8	50945.6	7.2	-11.6
14	263	125601	810	140	100	51087.9	51077.1	10.8	51076.4	51069.2	7.2	-5.8
14	263	125611	812	140	105	51156.7	51145.9	10.8	51151.9	51144.6	7.3	-2.4
14	263	125622	814	140	110	51209.6	51198.8	10.8	51212.1	51204.8	7.3	1.3
14	263	125633	816	140	115	51250.1	51239.3	10.8	51249.7	51242.3	7.4	-0.2
14	263	125642	818	140	120	51265.1	51254.3	10.8	51266.0	51258.6	7.4	0.4

K-Area Bingham Pump Outage Pit Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
15	263	132026	839	150	120	51277.7	51263.0	14.7	51259.4	51250.4	9.0	-9.1
15	263	132036	841	150	115	51241.9	51227.2	14.7	51225.8	51216.8	9.0	-8.1
15	263	132045	843	150	110	51199.6	51184.9	14.7	51179.7	51170.7	9.0	-10.0
15	263	132055	845	150	105	51133.9	51119.2	14.7	51110.9	51101.9	9.0	-11.5
15	263	132105	847	150	100	51053.7	51039.0	14.7	51017.5	51008.5	9.0	-18.1
15	263	132114	849	150	95	50934.7	50920.0	14.7	50869.8	50860.8	9.0	-32.4
15	263	132124	851	150	90	50787.8	50773.2	14.6	50657.6	50648.6	9.0	-65.1
15	263	132135	853	150	85	50647.4	50632.8	14.6	50370.3	50361.2	9.1	-138.6
15	263	132146	855	150	80	50753.1	50738.5	14.6	50317.2	50308.1	9.1	-218.0
15	263	132156	857	150	75	51475.5	51460.9	14.6	50892.8	50883.7	9.1	-291.4
15	263	132207	859	150	70	53902.8	53888.2	14.6	58507.2	58498.1	9.1	2302.2
15	263	132217	861	150	65	58617.1	58602.5	14.6	58579.6	58570.5	9.1	-18.8
15	263	132227	863	150	60	•	•	•	58572.6	58563.5	9.1	•
15	263	132236	865	150	55	58595.6	58581.0	14.6	58601.8	58592.6	9.2	3.1
15	263	132246	867	150	50	54309.4	54294.8	14.6	54617.7	54608.5	9.2	154.1
15	263	132257	869	150	45	52749.5	52734.9	14.6	52601.8	52592.6	9.2	-73.9
15	263	132307	871	150	40	52005.5	51990.9	14.6	51786.5	51777.3	9.2	-109.5
15	263	132318	873	150	35	51688.8	51674.2	14.6	51585.3	51576.1	9.2	-51.8
15	263	132328	875	150	30	51525.8	51511.2	14.6	51442.8	51433.6	9.2	-41.5
15	263	132338	877	150	25	51457.5	51442.9	14.6	51397.6	51388.4	9.2	-29.9
15	263	132348	879	150	20	51416.1	51401.5	14.6	51375.6	51366.3	9.3	-20.3
15	263	132357	881	150	15	51396.3	51381.7	14.6	51365.2	51355.9	9.3	-15.6
15	263	132404	883	150	10	51383.5	51368.9	14.6	51357.8	51348.5	9.3	-12.9
15	263	132413	885	150	5	51371.7	51357.1	14.6	51356.7	51347.4	9.3	-7.5
16	263	132437	887	160	0	51370.7	51356.2	14.5	51364.4	51355.1	9.3	-3.1
16	263	132449	889	160	5	51378.6	51364.1	14.5	51367.1	51357.7	9.4	-5.8
16	263	132458	891	160	10	51389.1	51374.6	14.5	51373.3	51363.9	9.4	-7.9
16	263	132508	893	160	15	51399.6	51385.1	14.5	51374.5	51365.1	9.4	-12.6
16	263	132518	895	160	20	51422.6	51408.1	14.5	51381.1	51371.7	9.4	-20.8
16	263	132527	897	160	25	51468.5	51454.0	14.5	51418.0	51408.6	9.4	-25.3
16	263	132536	899	160	30	51539.0	51524.5	14.5	51452.2	51442.8	9.4	-43.4
16	263	132546	901	160	35	51671.7	51657.2	14.5	51536.8	51527.4	9.4	-67.4
16	263	132556	903	160	40	51918.3	51903.8	14.5	51735.6	51726.1	9.5	-91.4
16	263	132606	905	160	45	52275.8	52261.3	14.5	52168.3	52158.8	9.5	-53.8
16	263	132617	907	160	50	52740.5	52726.0	14.5	52721.8	52712.3	9.5	-9.4
16	263	132627	909	160	55	52945.6	52931.1	14.5	52299.0	52289.5	9.5	-323.3
16	263	132638	911	160	60	53136.7	53122.2	14.5	52715.4	52705.9	9.5	-210.6
16	263	132649	913	160	65	53196.2	53181.7	14.5	53806.7	53797.2	9.5	305.3
16	263	132659	915	160	70	51964.6	51950.1	14.5	51559.4	51549.8	9.6	-202.6
16	263	132709	917	160	75	50989.7	50975.2	14.5	50246.5	50236.9	9.6	-371.6
16	263	132718	919	160	80	50756.1	50741.6	14.5	50445.2	50435.6	9.6	-155.5
16	263	132728	921	160	85	50821.3	50806.8	14.5	50677.5	50667.9	9.6	-71.9
16	263	132738	923	160	90	50937.2	50922.7	14.5	50876.6	50867.0	9.6	-30.3
16	263	132748	925	160	95	51060.9	51046.4	14.5	51031.1	51021.5	9.6	-14.9
16	263	132757	927	160	100	51134.0	51119.6	14.4	51119.8	51110.2	9.6	-7.1
16	263	132806	929	160	105	51193.7	51179.3	14.4	51189.3	51179.6	9.7	-2.2
16	263	132816	931	160	110	51235.4	51221.0	14.4	51235.4	51225.7	9.7	0.0
16	263	132826	933	160	115	51269.5	51255.1	14.4	51273.8	51264.1	9.7	2.2
17	263	132844	935	170	120	51290.7	51276.3	14.4	51279.1	51269.4	9.7	-5.8
17	263	132854	937	170	115	51262.3	51247.9	14.4	51251.2	51241.5	9.7	-5.6
17	263	132904	939	170	110	51228.0	51213.6	14.4	51211.3	51201.6	9.7	-8.4
17	263	132916	941	170	105	51178.9	51164.5	14.4	51159.6	51149.8	9.8	-9.7
17	263	132925	943	170	100	51124.7	51110.3	14.4	51097.1	51087.3	9.8	-13.8
17	263	132935	945	170	95	51042.6	51028.2	14.4	50992.9	50983.1	9.8	-24.9

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
17	263	132945	947	170	90	50942.4	50928.0	14.4	50847.8	50838.0	9.8	-47.3
17	263	132956	949	170	85	50862.5	50848.1	14.4	50656.2	50646.4	9.8	-103.2
17	263	133006	951	170	80	50916.1	50901.7	14.4	50538.5	50528.7	9.8	-188.8
17	263	133016	953	170	75	51441.0	51426.6	14.4	51127.5	51117.6	9.9	-156.8
17	263	133027	955	170	70	52408.4	52394.0	14.4	52743.6	52733.7	9.9	167.6
17	263	133037	957	170	65	52853.2	52838.8	14.4	53146.4	53136.5	9.9	146.6
17	263	133047	959	170	60	52775.2	52760.8	14.4	52722.3	52712.4	9.9	-26.4
17	263	133057	961	170	55	52626.9	52612.5	14.4	52698.3	52688.4	9.9	35.7
17	263	133107	963	170	50	52299.1	52284.7	14.4	52174.7	52164.8	9.9	-62.2
17	263	133117	965	170	45	51804.6	51790.3	14.3	51558.7	51548.8	9.9	-123.0
17	263	133128	967	170	40	51586.4	51572.1	14.3	51411.4	51401.4	10.0	-87.5
17	263	133138	969	170	35	51491.9	51477.6	14.3	51387.4	51377.4	10.0	-52.3
17	263	133150	971	170	30	51439.4	51425.1	14.3	51367.9	51357.9	10.0	-35.8
17	263	133201	973	170	25	51411.0	51396.7	14.3	51361.2	51351.2	10.0	-24.9
17	263	133210	975	170	20	51396.2	51381.9	14.3	51362.0	51352.0	10.0	-17.1
17	263	133221	977	170	15	51391.1	51376.8	14.3	51364.2	51354.2	10.0	-13.5
17	263	133231	979	170	10	51382.0	51367.7	14.3	51362.8	51352.7	10.1	-9.6
17	263	133241	981	170	5	51373.7	51359.4	14.3	51357.4	51347.3	10.1	-8.1
18	263	133303	983	180	0	51366.1	51351.8	14.3	51365.1	51355.0	10.1	-0.5
18	263	133312	985	180	5	51369.8	51355.5	14.3	51358.6	51348.5	10.1	-5.6
18	263	133322	987	180	10	51375.5	51361.2	14.3	51360.5	51350.4	10.1	-7.5
18	263	133332	989	180	15	51383.2	51368.9	14.3	51363.2	51353.0	10.2	-10.0
18	263	133342	991	180	20	51392.9	51378.6	14.3	51360.7	51350.5	10.2	-16.1
18	263	133353	993	180	25	51421.3	51407.0	14.3	51353.7	51343.5	10.2	-33.8
18	263	133404	995	180	30	51460.5	51446.2	14.3	51378.3	51368.1	10.2	-41.1
18	263	133415	997	180	35	51555.7	51541.4	14.3	51456.2	51446.0	10.2	-49.8
18	263	133425	999	180	40	51805.7	51791.5	14.2	51690.6	51680.4	10.2	-57.5
18	263	133436	1001	180	45	52317.4	52303.2	14.2	52401.4	52391.1	10.3	42.0
18	263	133446	1003	180	50	53015.2	53001.0	14.2	53323.3	53313.0	10.3	154.1
18	263	133456	1005	180	55	53574.4	53560.2	14.2	54136.9	54126.6	10.3	281.3
18	263	133507	1007	180	60	53693.1	53678.9	14.2	54412.8	54402.5	10.3	359.9
18	263	133518	1009	180	65	52518.6	52504.4	14.2	52788.4	52778.1	10.3	134.9
18	263	133528	1011	180	70	51400.2	51386.0	14.2	50993.6	50983.3	10.3	-203.3
18	263	133539	1013	180	75	50886.0	50871.8	14.2	50488.7	50478.3	10.4	-198.7
18	263	133550	1015	180	80	50818.5	50804.3	14.2	50604.3	50593.9	10.4	-107.1
18	263	133601	1017	180	85	50909.0	50894.8	14.2	50839.7	50829.3	10.4	-34.7
18	263	133611	1019	180	90	51006.2	50992.0	14.2	50962.4	50952.0	10.4	-21.9
18	263	133622	1021	180	95	51090.4	51076.2	14.2	51069.9	51059.5	10.4	-10.3
18	263	133807	1023	180	100	51163.9	51149.8	14.1	51165.8	51155.2	10.6	0.9
18	263	133818	1025	180	105	51215.5	51201.4	14.1	51216.1	51205.5	10.6	0.3
18	263	133827	1027	180	110	51250.7	51236.6	14.1	51256.5	51245.9	10.6	2.9
18	263	133837	1029	180	115	51282.5	51268.4	14.1	51293.5	51282.9	10.6	5.5
19	263	135022	1052	190	120	51301.8	51285.2	16.6	51292.0	51280.7	11.3	-4.9
19	263	135033	1054	190	115	51278.5	51261.9	16.6	51271.5	51260.1	11.4	-3.5
19	263	135043	1056	190	110	51245.8	51229.1	16.7	51239.1	51227.7	11.4	-3.4
19	263	135054	1058	190	105	51200.4	51183.7	16.7	51192.8	51181.4	11.4	-3.8
19	263	135104	1060	190	100	51136.5	51119.8	16.7	51123.6	51112.1	11.5	-6.4
19	263	135115	1062	190	95	51039.4	51022.7	16.7	51008.6	50997.1	11.5	-15.4
19	263	135126	1064	190	90	50901.3	50884.6	16.7	50807.3	50795.8	11.5	-47.0
19	263	135138	1066	190	85	50760.2	50743.4	16.8	50592.9	50581.3	11.6	-83.6
19	263	135149	1068	190	80	50629.2	50612.4	16.8	50273.9	50262.3	11.6	-177.6
19	263	135200	1070	190	75	50769.2	50752.4	16.8	50062.4	50050.7	11.7	-353.4
19	263	135212	1072	190	70	51703.6	51686.8	16.8	51308.9	51297.2	11.7	-197.4
19	263	135225	1074	190	65	53273.4	53256.5	16.9	54086.4	54074.7	11.7	406.5

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
19	263	135236	1076	190	60	57520.5	57503.6	16.9	58544.7	58532.9	11.8	512.1
19	263	135248	1078	190	55	53412.7	53395.8	16.9	54108.3	54096.5	11.8	347.8
19	263	135258	1080	190	50	52429.4	52412.5	16.9	52365.2	52353.4	11.8	-32.1
19	263	135309	1082	190	45	51883.8	51866.8	17.0	51727.9	51716.0	11.9	-77.9
19	263	135319	1084	190	40	51593.9	51576.9	17.0	51487.7	51475.8	11.9	-53.1
19	263	135328	1086	190	35	51488.0	51471.0	17.0	51410.9	51399.0	11.9	-38.5
19	263	135339	1088	190	30	51432.6	51415.6	17.0	51373.3	51361.3	12.0	-29.7
19	263	135348	1090	190	25	51402.5	51385.4	17.1	51361.4	51349.4	12.0	-20.5
19	263	135359	1092	190	20	51387.9	51370.8	17.1	51358.5	51346.5	12.0	-14.7
19	263	135410	1094	190	15	51379.6	51362.5	17.1	51358.7	51346.6	12.1	-10.5
19	263	135423	1096	190	10	51374.5	51357.4	17.1	51357.8	51345.7	12.1	-8.4
19	263	135434	1098	190	5	51369.0	51351.9	17.1	51354.6	51342.4	12.2	-7.2
19	263	135445	1100	190	0	51358.1	51340.9	17.2	51349.4	51337.2	12.2	-4.4
20	263	135514	1102	200	0	51351.6	51334.4	17.2	51349.7	51337.4	12.3	-1.0
20	263	135525	1104	200	5	51360.0	51342.7	17.3	51353.7	51341.4	12.3	-3.2
20	263	135536	1106	200	10	51366.1	51348.8	17.3	51359.2	51346.8	12.4	-3.5
20	263	135546	1108	200	15	51370.3	51353.0	17.3	51353.6	51341.2	12.4	-8.4
20	263	135556	1110	200	20	51374.6	51357.3	17.3	51352.8	51340.4	12.4	-10.9
20	263	135606	1112	200	25	51386.8	51369.5	17.3	51352.6	51340.2	12.4	-17.1
20	263	135617	1114	200	30	51406.3	51388.9	17.4	51359.9	51347.4	12.5	-23.2
20	263	135633	1116	200	35	51458.3	51440.9	17.4	51383.7	51371.2	12.5	-37.3
20	263	135644	1118	200	40	51574.3	51556.9	17.4	51467.9	51455.3	12.6	-53.2
20	263	135655	1120	200	45	51851.7	51834.3	17.4	51750.1	51737.5	12.6	-50.8
20	263	135706	1122	200	50	52365.1	52347.6	17.5	52446.6	52434.0	12.6	40.8
20	263	135717	1124	200	55	52818.1	52800.6	17.5	53112.3	53099.6	12.7	147.1
20	263	135727	1126	200	60	52725.9	52708.4	17.5	53002.7	52990.0	12.7	138.4
20	263	135738	1128	200	65	51852.3	51834.8	17.5	51727.2	51714.5	12.7	-62.6
20	263	135749	1130	200	70	50846.2	50828.6	17.6	50321.2	50308.4	12.8	-262.5
20	263	135759	1132	200	75	50472.4	50454.8	17.6	50001.0	49988.2	12.8	-235.7
20	263	135811	1134	200	80	50574.6	50557.0	17.6	50337.0	50324.2	12.8	-118.8
20	263	135826	1136	200	85	51095.6	51078.0	17.6	50753.4	50740.5	12.9	-171.1
20	263	135839	1138	200	90	50974.1	50956.4	17.7	50817.2	50804.3	12.9	-78.5
20	263	135851	1140	200	95	51058.4	51040.7	17.7	51046.3	51033.3	13.0	-6.1
20	263	135901	1142	200	100	51156.1	51138.4	17.7	51158.1	51145.1	13.0	1.0
20	263	135912	1144	200	105	51214.5	51196.8	17.7	51218.9	51205.9	13.0	2.2
20	263	135922	1146	200	110	51257.1	51239.3	17.8	51261.0	51247.9	13.1	1.9
20	263	135936	1148	200	115	51295.8	51278.0	17.8	51300.6	51287.5	13.1	2.4
21	264	113450	424	210	120	51297.8	51271.3	26.5	51289.0	51265.7	23.3	-4.4
21	264	113501	426	210	115	51256.0	51229.5	26.5	51251.7	51228.5	23.2	-2.2
21	264	113511	428	210	110	51210.9	51184.4	26.5	51206.1	51183.0	23.1	-2.4
21	264	113521	430	210	105	51146.9	51120.5	26.4	51141.6	51118.5	23.1	-2.7
21	264	113534	432	210	100	51054.4	51028.0	26.4	51037.9	51014.9	23.0	-8.3
21	264	113544	434	210	95	50916.9	50890.6	26.3	50875.9	50853.0	22.9	-20.5
21	264	113555	436	210	90	50714.4	50688.1	26.3	50614.2	50591.3	22.9	-50.1
21	264	113606	438	210	85	50444.6	50418.3	26.3	50202.9	50180.1	22.8	-120.9
21	264	113617	440	210	80	50252.1	50225.9	26.2	49674.2	49651.4	22.8	-289.0
21	264	113628	442	210	75	50542.8	50516.6	26.2	50839.4	50816.7	22.7	148.3
21	264	113638	444	210	70	51748.6	51722.4	26.2	51739.5	51716.9	22.6	-4.6
21	264	113651	446	210	65	52551.0	52524.9	26.1	53204.7	53182.1	22.6	326.9
21	264	113702	448	210	60	52498.4	52472.3	26.1	52729.2	52706.7	22.5	115.4
21	264	113713	450	210	55	52022.9	51996.9	26.0	51894.0	51871.6	22.4	-64.5
21	264	113724	452	210	50	51669.2	51643.2	26.0	51472.8	51450.4	22.4	-98.2
21	264	113734	454	210	45	51495.7	51469.7	26.0	51363.0	51340.7	22.3	-66.4
21	264	113745	456	210	40	51420.9	51395.0	25.9	51335.8	51313.5	22.3	-42.6

K-Area Bingham Pump Outage Pit Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
21	264	113756	458	210	35	51387.9	51362.0	25.9	51332.4	51310.2	22.2	-27.8
21	264	113806	460	210	30	51375.1	51349.3	25.8	51332.8	51310.7	22.1	-21.2
21	264	113817	462	210	25	51368.5	51342.7	25.8	51338.2	51316.1	22.1	-15.2
21	264	113827	464	210	20	51364.7	51338.9	25.8	51340.6	51318.6	22.0	-12.0
21	264	113838	466	210	15	51364.0	51338.3	25.7	51345.1	51323.1	22.0	-9.4
21	264	113849	468	210	10	51363.8	51338.1	25.7	51346.2	51324.3	21.9	-8.8
21	264	113859	470	210	5	51363.6	51338.0	25.6	51342.6	51320.8	21.8	-10.5
21	264	113935	472	210	0	51366.5	51341.0	25.5	51345.3	51323.7	21.6	-10.6
22	264	114005	474	220	0	51369.6	51344.2	25.4	51353.4	51331.9	21.5	-8.1
22	264	114016	476	220	5	51366.2	51340.8	25.4	51356.9	51335.5	21.4	-4.6
22	264	114031	478	220	10	51364.2	51338.9	25.3	51355.8	51334.5	21.3	-4.2
22	264	114047	480	220	15	51362.1	51336.8	25.3	51355.6	51334.4	21.2	-3.3
22	264	114059	482	220	20	51367.2	51342.0	25.2	51349.1	51327.9	21.2	-9.0
22	264	114115	484	220	25	51363.2	51338.0	25.2	51338.6	51317.5	21.1	-12.3
22	264	114126	486	220	30	51364.1	51339.0	25.1	51330.4	51309.4	21.0	-16.9
22	264	114136	488	220	35	51374.6	51349.5	25.1	51326.2	51305.2	21.0	-24.2
22	264	114147	490	220	40	51400.2	51375.2	25.0	51319.1	51298.2	20.9	-40.5
22	264	114200	492	220	45	51490.7	51465.7	25.0	51378.3	51357.5	20.8	-56.2
22	264	114213	494	220	50	51721.0	51696.1	24.9	51625.3	51604.5	20.8	-47.9
22	264	114224	496	220	55	52076.9	52052.0	24.9	52092.4	52071.7	20.7	7.8
22	264	114235	498	220	60	52526.6	52501.7	24.9	52771.7	52751.1	20.6	122.5
22	264	114246	500	220	65	52697.0	52672.2	24.8	53398.6	53378.0	20.6	350.8
22	264	114303	502	220	70	51900.3	51875.5	24.8	52082.7	52062.2	20.5	91.2
22	264	114314	504	220	75	50872.7	50848.0	24.7	50144.9	50124.5	20.4	-363.9
22	264	114325	506	220	80	50349.1	50324.4	24.7	49798.9	49778.6	20.3	-275.1
22	264	114336	508	220	85	50446.3	50421.7	24.6	50163.6	50143.3	20.3	-141.4
22	264	114347	510	220	90	50716.1	50691.5	24.6	50607.5	50587.3	20.2	-54.3
22	264	114357	512	220	95	50908.8	50884.2	24.6	50877.1	50856.9	20.2	-15.9
22	264	114408	514	220	100	51055.1	51030.6	24.5	51045.4	51025.3	20.1	-4.9
22	264	114419	516	220	105	51147.0	51122.5	24.5	51146.4	51126.4	20.0	-0.3
22	264	114429	518	220	110	51211.7	51187.2	24.5	51218.3	51198.3	20.0	3.3
22	264	114441	520	220	115	51255.9	51231.5	24.4	51263.0	51243.1	19.9	3.5
22	264	114452	522	220	120	51285.5	51261.1	24.4	51288.9	51269.0	19.9	1.7
23	264	114512	524	230	120	51288.2	51263.9	24.3	51279.7	51260.0	19.7	-4.3
23	264	114524	526	230	115	51249.8	51225.5	24.3	51243.4	51223.7	19.7	-3.2
23	264	114536	528	230	110	51200.3	51176.1	24.2	51189.4	51169.8	19.6	-5.4
23	264	114547	530	230	105	51137.2	51113.0	24.2	51116.4	51096.9	19.5	-10.4
23	264	114558	532	230	100	51031.2	51007.1	24.1	50997.0	50977.5	19.5	-17.1
23	264	114608	534	230	95	50894.6	50870.5	24.1	50821.9	50802.5	19.4	-36.4
23	264	114619	536	230	90	50725.6	50701.5	24.1	50566.6	50547.2	19.4	-79.5
23	264	114630	538	230	85	50616.7	50592.7	24.0	50370.8	50351.5	19.3	-122.9
23	264	114643	540	230	80	50741.0	50717.0	24.0	50544.3	50525.1	19.2	-98.4
23	264	114655	542	230	75	51312.8	51288.9	23.9	51247.9	51228.7	19.2	-32.4
23	264	114706	544	230	70	52310.3	52286.4	23.9	53130.8	53111.7	19.1	410.3
23	264	114718	546	230	65	52715.3	52691.5	23.8	53473.0	53454.0	19.0	378.9
23	264	114729	548	230	60	52509.4	52485.6	23.8	52852.4	52833.4	19.0	171.5
23	264	114740	550	230	55	52098.7	52074.9	23.8	52184.2	52165.3	18.9	42.8
23	264	114751	552	230	50	51754.5	51730.8	23.7	51710.4	51691.6	18.8	-22.0
23	264	114802	554	230	45	51532.5	51508.8	23.7	51455.1	51436.3	18.8	-38.7
23	264	114813	556	230	40	51433.1	51409.5	23.6	51368.8	51350.1	18.7	-32.2
23	264	114824	558	230	35	51391.4	51367.8	23.6	51342.6	51323.9	18.7	-24.4
23	264	114835	560	230	30	51377.4	51353.8	23.6	51342.7	51324.1	18.6	-17.4
23	264	114846	562	230	25	51375.5	51352.0	23.5	51347.1	51328.6	18.5	-14.2
23	264	114858	564	230	20	51375.2	51351.7	23.5	51348.7	51330.2	18.5	-13.3

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
23	264	114912	566	230	15	51372.2	51348.8	23.4	51355.7	51337.3	18.4	-8.3
23	264	114922	568	230	10	51370.8	51347.4	23.4	51356.2	51337.9	18.3	-7.3
23	264	114936	570	230	5	51375.2	51351.9	23.3	51354.8	51336.6	18.2	-10.2
23	264	114946	572	230	0	51371.3	51348.0	23.3	51355.8	51337.6	18.2	-7.8
24	264	115009	574	240	0	51369.5	51346.3	23.2	51370.3	51352.2	18.1	0.4
24	264	115020	576	240	5	51371.2	51348.0	23.2	51370.0	51352.0	18.0	-0.6
24	264	115030	578	240	10	51372.5	51349.4	23.1	51369.2	51351.3	17.9	-1.7
24	264	115041	580	240	15	51375.9	51352.8	23.1	51372.7	51354.8	17.9	-1.6
24	264	115056	582	240	20	51379.3	51356.2	23.1	51364.4	51346.6	17.8	-7.4
24	264	115107	584	240	25	51383.6	51360.6	23.0	51365.9	51348.2	17.7	-8.9
24	264	115119	586	240	30	51398.0	51375.0	23.0	51368.3	51350.6	17.7	-14.9
24	264	115130	588	240	35	51419.3	51396.4	22.9	51381.8	51364.2	17.6	-18.8
24	264	115139	590	240	40	51469.3	51446.4	22.9	51420.1	51402.6	17.5	-24.6
24	264	115151	592	240	45	51581.3	51558.4	22.9	51517.6	51500.1	17.5	-31.9
24	264	115201	594	240	50	51770.9	51748.1	22.8	51727.1	51709.7	17.4	-21.9
24	264	115213	596	240	55	52045.6	52022.8	22.8	52086.2	52068.8	17.4	20.3
24	264	115223	598	240	60	52195.6	52172.9	22.7	52352.7	52335.4	17.3	78.5
24	264	115234	600	240	65	51906.0	51883.3	22.7	51742.0	51724.8	17.2	-82.0
24	264	115245	602	240	70	51212.0	51189.3	22.7	51247.6	51230.4	17.2	17.8
24	264	115256	604	240	75	50753.5	50730.9	22.6	49625.8	49608.7	17.1	-563.9
24	264	115308	606	240	80	50751.9	50729.3	22.6	50400.8	50383.8	17.0	-175.6
24	264	115319	608	240	85	50845.6	50823.1	22.5	50636.9	50619.9	17.0	-104.4
24	264	115331	610	240	90	50900.4	50877.9	22.5	50766.0	50749.1	16.9	-67.2
24	264	115341	612	240	95	50999.7	50977.2	22.5	50937.5	50920.6	16.9	-31.1
24	264	115352	614	240	100	51085.7	51063.3	22.4	51069.9	51053.1	16.8	-7.9
24	264	115402	616	240	105	51158.9	51136.5	22.4	51154.7	51138.0	16.7	-2.1
24	264	115413	618	240	110	51217.8	51195.5	22.3	51216.0	51199.3	16.7	-0.9
24	264	115424	620	240	115	51252.1	51229.8	22.3	51255.9	51239.3	16.6	1.9
24	264	115435	622	240	120	51283.3	51261.0	22.3	51289.0	51272.5	16.5	2.9
25	264	120551	634	250	120	51302.3	51278.8	23.5	51288.4	51270.2	18.2	-6.9
25	264	120601	636	250	115	51271.8	51248.3	23.5	51260.1	51241.8	18.3	-5.9
25	264	120611	638	250	110	51239.1	51215.5	23.6	51223.4	51205.1	18.3	-7.9
25	264	120622	640	250	105	51198.0	51174.4	23.6	51173.7	51155.3	18.4	-12.2
25	264	120632	642	250	100	51158.2	51134.6	23.6	51120.5	51102.1	18.4	-18.9
25	264	120643	644	250	95	51129.0	51105.3	23.7	51058.0	51039.6	18.4	-35.5
25	264	120654	646	250	90	51168.3	51144.6	23.7	51066.2	51047.7	18.5	-51.1
25	264	120705	648	250	85	51393.9	51370.2	23.7	51322.4	51303.9	18.5	-35.8
25	264	120722	650	250	80	51933.4	51909.6	23.8	52089.2	52070.6	18.6	77.9
25	264	120733	652	250	75	52715.6	52691.8	23.8	53601.7	53583.1	18.6	443.0
25	264	120743	654	250	70	52982.1	52958.2	23.9	54000.9	53982.3	18.6	509.4
25	264	120754	656	250	65	53089.6	53065.7	23.9	53788.7	53770.0	18.7	349.5
25	264	120805	658	250	60	52664.2	52640.3	23.9	52983.3	52964.6	18.7	159.6
25	264	120815	660	250	55	52188.7	52164.7	24.0	52202.1	52183.4	18.7	6.7
25	264	120826	662	250	50	51822.1	51798.1	24.0	51762.4	51743.6	18.8	-29.9
25	264	120837	664	250	45	51616.8	51592.8	24.0	51550.0	51531.2	18.8	-33.4
25	264	120847	666	250	40	51503.4	51479.3	24.1	51449.7	51430.9	18.8	-26.9
25	264	120857	668	250	35	51445.7	51421.6	24.1	51406.6	51387.7	18.9	-19.5
25	264	120908	670	250	30	51421.6	51397.5	24.1	51388.5	51369.6	18.9	-16.6
25	264	120918	672	250	25	51404.4	51380.2	24.2	51377.3	51358.3	19.0	-13.6
25	264	120927	674	250	20	51397.6	51373.4	24.2	51373.1	51354.1	19.0	-12.3
25	264	120937	676	250	15	51393.3	51369.1	24.2	51373.8	51354.8	19.0	-9.8
25	264	120947	678	250	10	51391.7	51367.4	24.3	51371.1	51352.0	19.1	-10.3
25	264	120959	680	250	5	51386.2	51361.9	24.3	51370.6	51351.5	19.1	-7.8
25	264	121008	682	250	0	51385.1	51360.8	24.3	51362.1	51343.0	19.1	-11.5

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
26	264	121032	684	260	0	51386.0	51361.6	24.4	51397.2	51378.0	19.2	5.6
26	264	121043	686	260	5	51389.0	51364.6	24.4	51383.1	51363.9	19.2	-2.9
26	264	121054	688	260	10	51389.4	51364.9	24.5	51386.3	51367.0	19.3	-1.6
26	264	121103	690	260	15	51393.0	51368.5	24.5	51390.3	51371.0	19.3	-1.4
26	264	121114	692	260	20	51395.9	51371.4	24.5	51395.7	51376.4	19.3	-0.1
26	264	121125	694	260	25	51408.3	51383.7	24.6	51395.6	51376.2	19.4	-6.4
26	264	121136	696	260	30	51427.4	51402.8	24.6	51406.1	51386.7	19.4	-10.7
26	264	121146	698	260	35	51453.3	51428.7	24.6	51427.2	51407.7	19.5	-13.1
26	264	121156	700	260	40	51520.1	51495.4	24.7	51482.0	51462.5	19.5	-19.1
26	264	121206	702	260	45	51643.9	51619.2	24.7	51608.9	51589.4	19.5	-17.5
26	264	121216	704	260	50	51859.4	51834.7	24.7	51856.7	51837.1	19.6	-1.4
26	264	121227	706	260	55	52269.9	52245.1	24.8	52399.7	52380.1	19.6	64.9
26	264	121237	708	260	60	52852.8	52828.0	24.8	53333.9	53314.3	19.6	240.6
26	264	121248	710	260	65	53065.2	53040.4	24.8	52391.6	52371.9	19.7	-336.8
26	264	121259	712	260	70	53014.9	52990.0	24.9	52329.3	52309.6	19.7	-342.8
26	264	121309	714	260	75	52641.5	52616.6	24.9	53150.8	53131.1	19.7	254.7
26	264	121319	716	260	80	51862.6	51837.7	24.9	51971.8	51952.0	19.8	54.6
26	264	121329	718	260	85	51408.7	51383.7	25.0	51368.4	51348.6	19.8	-20.1
26	264	121339	720	260	90	51206.8	51181.8	25.0	51162.1	51142.3	19.8	-22.4
26	264	121349	722	260	95	51170.6	51145.6	25.0	51142.6	51122.7	19.9	-14.0
26	264	121359	724	260	100	51182.9	51157.8	25.1	51172.3	51152.4	19.9	-5.3
26	264	121409	726	260	105	51219.9	51194.8	25.1	51212.6	51192.7	19.9	-3.7
26	264	121420	728	260	110	51249.7	51224.6	25.1	51249.3	51229.3	20.0	-0.2
26	264	121430	730	260	115	51276.3	51251.1	25.2	51282.0	51262.0	20.0	2.9
26	264	121439	732	260	120	51300.0	51274.8	25.2	51303.3	51283.3	20.0	1.7
27	264	121459	734	270	120	51312.4	51287.2	25.2	51299.0	51278.9	20.1	-6.7
27	264	121510	736	270	115	51282.2	51256.9	25.3	51270.3	51250.2	20.1	-5.9
27	264	121519	738	270	110	51243.3	51218.0	25.3	51233.2	51213.0	20.2	-5.1
27	264	121529	740	270	105	51198.3	51173.0	25.3	51180.9	51160.7	20.2	-8.7
27	264	121539	742	270	100	51124.2	51098.8	25.4	51107.5	51087.2	20.3	-8.4
27	264	121550	744	270	95	51041.3	51015.9	25.4	51008.4	50988.1	20.3	-16.4
27	264	121600	746	270	90	50897.1	50871.7	25.4	50833.4	50813.1	20.3	-31.9
27	264	121611	748	270	85	50703.9	50678.4	25.5	50545.5	50525.1	20.4	-79.2
27	264	121620	750	270	80	50600.3	50574.8	25.5	50225.5	50205.1	20.4	-187.4
27	264	121631	752	270	75	50727.5	50702.0	25.5	50166.2	50145.8	20.4	-280.7
27	264	121641	754	270	70	51314.3	51288.7	25.6	50989.0	50968.5	20.5	-162.7
27	264	121651	756	270	65	51846.1	51820.5	25.6	51873.1	51852.6	20.5	13.5
27	264	121700	758	270	60	51972.4	51946.8	25.6	51990.0	51969.5	20.5	8.8
27	264	121710	760	270	55	51835.9	51810.2	25.7	51827.0	51806.4	20.6	-4.5
27	264	121720	762	270	50	51697.1	51671.4	25.7	51660.1	51639.5	20.6	-18.5
27	264	121729	764	270	45	51569.2	51543.5	25.7	51526.4	51505.8	20.6	-21.4
27	264	121739	766	270	40	51490.8	51465.0	25.8	51452.5	51431.8	20.7	-19.2
27	264	121748	768	270	35	51451.7	51425.9	25.8	51417.3	51396.6	20.7	-17.2
27	264	121759	770	270	30	51427.2	51401.4	25.8	51398.2	51377.5	20.7	-14.5
27	264	121814	772	270	25	51412.1	51386.2	25.9	51391.6	51370.8	20.8	-10.3
27	264	121824	774	270	20	51408.8	51382.9	25.9	51390.9	51370.1	20.8	-8.9
27	264	121835	776	270	15	51400.1	51374.2	25.9	51390.6	51369.8	20.8	-4.8
27	264	121845	778	270	10	51397.4	51371.4	26.0	51392.2	51371.3	20.9	-2.6
27	264	121855	780	270	5	51396.2	51370.2	26.0	51388.1	51367.2	20.9	-4.0
27	264	121905	782	270	0	51392.3	51366.3	26.0	51388.7	51367.7	21.0	-1.8
28	264	121956	784	280	5	51397.8	51371.6	26.2	51395.7	51374.6	21.1	-1.1
28	264	122011	786	280	10	51401.8	51375.6	26.2	51395.8	51374.6	21.2	-3.0
28	264	122023	788	280	15	51404.8	51378.5	26.3	51398.6	51377.4	21.2	-3.1
28	264	122035	790	280	20	51408.4	51382.1	26.3	51396.1	51374.8	21.3	-6.2

K-Area Bingham Pump Outage Pit Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
28	264	122045	792	280	25	51438.7	51412.4	26.3	51384.9	51363.6	21.3	-26.9
28	264	122056	794	280	30	51506.7	51480.3	26.4	51408.5	51387.2	21.3	-49.1
28	264	122107	796	280	35	51436.3	51409.9	26.4	51398.5	51377.1	21.4	-18.9
28	264	122116	798	280	40	51458.9	51432.5	26.4	51426.3	51404.9	21.4	-16.3
28	264	122125	800	280	45	51497.3	51470.8	26.5	51452.5	51431.1	21.4	-22.4
28	264	122135	802	280	50	51552.6	51526.1	26.5	51480.8	51459.3	21.5	-35.9
28	264	122144	804	280	55	51621.6	51595.1	26.5	51540.2	51518.7	21.5	-40.7
28	264	122155	806	280	60	51650.9	51624.3	26.6	51579.1	51557.6	21.5	-35.9
28	264	122205	808	280	65	51460.7	51434.1	26.6	51194.0	51172.4	21.6	-133.4
28	264	122216	810	280	70	50931.4	50904.8	26.6	50164.9	50143.3	21.6	-383.3
28	264	122226	812	280	75	50382.2	50355.5	26.7	52047.2	52025.6	21.6	832.5
28	264	122236	814	280	80	49884.9	49858.2	26.7	48830.0	48808.3	21.7	-527.5
28	264	122246	816	280	85	50058.6	50031.9	26.7	49191.6	49169.9	21.7	-433.5
28	264	122256	818	280	90	50464.9	50438.1	26.8	50129.3	50107.6	21.7	-167.8
28	264	122306	820	280	95	50859.0	50832.2	26.8	50752.8	50731.0	21.8	-53.1
28	264	122316	822	280	100	51051.4	51024.6	26.8	51010.4	50988.6	21.8	-20.5
28	264	122325	824	280	105	51161.3	51134.4	26.9	51144.2	51122.4	21.8	-8.6
28	264	122335	826	280	110	51234.3	51207.4	26.9	51224.2	51202.3	21.9	-5.1
28	264	122345	828	280	115	51284.4	51257.5	26.9	51278.4	51256.5	21.9	-3.0
28	264	122355	830	280	120	51304.3	51277.3	27.0	51301.4	51279.5	21.9	-1.4
29	264	123653	842	290	120	51325.2	51296.2	29.0	51310.5	51287.3	23.2	-7.4
29	264	123703	844	290	115	51296.8	51267.7	29.1	51279.1	51255.9	23.2	-8.9
29	264	123714	846	290	110	51269.6	51240.5	29.1	51243.0	51219.8	23.2	-13.3
29	264	123725	848	290	105	51212.8	51183.7	29.1	51161.9	51138.7	23.2	-25.4
29	264	123736	850	290	100	51163.4	51134.2	29.2	51056.1	51032.9	23.2	-53.7
29	264	123747	852	290	95	51262.2	51233.0	29.2	51027.9	51004.7	23.2	-117.1
29	264	123758	854	290	90	51834.6	51805.4	29.2	52183.2	52160.0	23.2	174.3
29	264	123809	856	290	85	52117.0	52087.7	29.3	58588.7	58565.5	23.2	3235.9
29	264	123818	858	290	80	52688.7	52659.4	29.3	52960.0	52936.8	23.2	135.7
29	264	123828	860	290	75	53807.2	53777.9	29.3	55320.5	55297.3	23.2	756.7
29	264	123839	862	290	70	54072.1	54042.8	29.3	55543.8	55520.6	23.2	735.9
29	264	123850	864	290	65	53199.0	53169.6	29.4	53822.8	53799.5	23.3	311.9
29	264	123900	866	290	60	52416.0	52386.6	29.4	52541.7	52518.4	23.3	62.9
29	264	123911	868	290	55	51920.4	51891.0	29.4	51858.5	51835.2	23.3	-31.0
29	264	123921	870	290	50	51651.4	51621.9	29.5	51579.8	51556.5	23.3	-35.8
29	264	123930	872	290	45	51536.4	51506.9	29.5	51483.1	51459.8	23.3	-26.7
29	264	123939	874	290	40	51476.8	51447.3	29.5	51436.8	51413.5	23.3	-20.0
29	264	123949	876	290	35	51448.7	51419.2	29.5	51416.1	51392.8	23.3	-16.3
29	264	123959	878	290	30	51438.0	51408.4	29.6	51408.6	51385.3	23.3	-14.7
29	264	124011	880	290	25	51423.3	51393.7	29.6	51407.7	51384.4	23.3	-7.8
29	264	124022	882	290	20	51420.8	51391.2	29.6	51402.6	51379.3	23.3	-9.1
29	264	124033	884	290	15	51414.1	51384.4	29.7	51400.4	51377.1	23.3	-6.9
29	264	124045	886	290	10	51408.1	51378.4	29.7	51397.1	51373.8	23.3	-5.5
29	264	124056	888	290	5	51402.8	51373.1	29.7	51396.1	51372.7	23.4	-3.4
29	264	124108	890	290	0	51401.2	51371.4	29.8	51391.4	51368.0	23.4	-4.9
30	264	124140	892	300	0	51403.3	51373.5	29.8	51390.4	51367.0	23.4	-6.4
30	264	124152	894	300	5	51405.7	51375.8	29.9	51395.5	51372.1	23.4	-5.1
30	264	124203	896	300	10	51405.9	51376.0	29.9	51405.4	51382.0	23.4	-0.3
30	264	124213	898	300	15	51410.7	51380.8	29.9	51408.7	51385.3	23.4	-1.0
30	264	124224	900	300	20	51416.9	51386.9	30.0	51412.2	51388.8	23.4	-2.4
30	264	124236	902	300	25	51426.0	51396.0	30.0	51416.1	51392.7	23.4	-4.9
30	264	124248	904	300	30	51440.3	51410.3	30.0	51426.8	51403.4	23.4	-6.8
30	264	124259	906	300	35	51459.9	51429.8	30.1	51447.6	51424.1	23.5	-6.2
30	264	124310	908	300	40	51497.1	51467.0	30.1	51469.9	51446.4	23.5	-13.6

K-Area Bingham Pump Outage Pit Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
30	264	124319	910	300	45	51572.5	51542.4	30.1	51535.0	51511.5	23.5	-18.8
30	264	124330	912	300	50	51720.2	51690.1	30.1	51720.8	51697.3	23.5	0.3
30	264	124339	914	300	55	51995.7	51965.5	30.2	51959.4	51935.9	23.5	-18.1
30	264	124350	916	300	60	52551.8	52521.6	30.2	52608.9	52585.4	23.5	28.6
30	264	124400	918	300	65	53341.3	53311.1	30.2	53830.3	53806.8	23.5	244.5
30	264	124410	920	300	70	54043.8	54013.5	30.3	58482.3	58458.8	23.5	2219.3
30	264	124420	922	300	75	53658.8	53628.5	30.3	54775.6	54752.1	23.5	558.4
30	264	124430	924	300	80	52982.7	52952.4	30.3	53243.3	53219.8	23.5	130.3
30	264	124440	926	300	85	52206.2	52175.9	30.3	52205.6	52182.1	23.5	-0.3
30	264	124450	928	300	90	51722.4	51692.0	30.4	51681.6	51658.1	23.5	-20.4
30	264	124500	930	300	95	51454.3	51423.9	30.4	51373.1	51349.5	23.6	-40.6
30	264	124511	932	300	100	51338.9	51308.5	30.4	51283.6	51260.0	23.6	-27.7
30	264	124523	934	300	105	51305.6	51275.1	30.5	51281.5	51257.9	23.6	-12.1
30	264	124533	936	300	110	51311.4	51280.9	30.5	51298.0	51274.4	23.6	-6.7
30	264	124544	938	300	115	51326.0	51295.5	30.5	51319.6	51296.0	23.6	-3.2
30	264	124554	940	300	120	51339.7	51309.2	30.5	51334.4	51310.8	23.6	-2.6
31	264	124614	942	310	120	51364.5	51333.9	30.6	51346.3	51322.7	23.6	-9.1
31	264	124627	944	310	115	51349.5	51318.9	30.6	51337.6	51314.0	23.6	-5.9
31	264	124641	946	310	110	51344.1	51313.4	30.7	51324.8	51301.2	23.6	-9.7
31	264	124651	948	310	105	51341.1	51310.4	30.7	51313.5	51289.9	23.6	-13.8
31	264	124700	950	310	100	51349.7	51319.0	30.7	51305.6	51282.0	23.6	-22.0
31	264	124711	952	310	95	51362.3	51331.5	30.8	51286.1	51262.4	23.7	-38.1
31	264	124722	954	310	90	51406.9	51376.1	30.8	51264.9	51241.2	23.7	-71.0
31	264	124732	956	310	85	51530.2	51499.4	30.8	51250.9	51227.2	23.7	-139.6
31	264	124742	958	310	80	51789.5	51758.7	30.8	51530.0	51506.3	23.7	-129.8
31	264	124752	960	310	75	52150.3	52119.4	30.9	52039.0	52015.3	23.7	-55.7
31	264	124802	962	310	70	52316.6	52285.7	30.9	52324.9	52301.2	23.7	4.2
31	264	124813	964	310	65	52222.3	52191.4	30.9	52220.7	52197.0	23.7	-0.8
31	264	124824	966	310	60	51996.5	51965.5	31.0	51964.0	51940.3	23.7	-16.3
31	264	124834	968	310	55	51791.2	51760.2	31.0	51738.0	51714.3	23.7	-26.6
31	264	124845	970	310	50	51635.5	51604.5	31.0	51600.3	51576.6	23.7	-17.6
31	264	124855	972	310	45	51546.3	51515.2	31.1	51498.0	51474.3	23.7	-24.2
31	264	124905	974	310	40	51486.3	51455.2	31.1	51462.0	51438.3	23.7	-12.2
31	264	124915	976	310	35	51460.7	51429.6	31.1	51438.5	51414.7	23.8	-11.1
31	264	124926	978	310	30	51441.3	51410.2	31.1	51423.7	51399.9	23.8	-8.8
31	264	124936	980	310	25	51427.0	51395.8	31.2	51412.4	51388.6	23.8	-7.3
31	264	124946	982	310	20	51419.5	51388.3	31.2	51408.9	51385.1	23.8	-5.3
31	264	124959	984	310	15	51411.7	51380.5	31.2	51404.1	51380.3	23.8	-3.8
31	264	125009	986	310	10	51410.7	51379.4	31.3	51398.7	51374.9	23.8	-6.0
31	264	125019	988	310	5	51409.3	51378.0	31.3	51397.4	51373.6	23.8	-5.9
31	264	125029	990	310	0	51401.5	51370.2	31.3	51390.9	51367.1	23.8	-5.3
32	264	125056	992	320	0	51398.7	51367.3	31.4	51394.0	51370.2	23.8	-2.4
32	264	125105	994	320	5	51401.7	51370.3	31.4	51402.1	51378.3	23.8	0.2
32	264	125117	996	320	10	51406.7	51375.3	31.4	51405.9	51382.0	23.9	-0.4
32	264	125130	998	320	15	51415.4	51383.9	31.5	51403.3	51379.4	23.9	-6.1
32	264	125146	1000	320	20	51413.5	51382.0	31.5	51412.2	51388.3	23.9	-0.7
32	264	125157	1002	320	25	51433.3	51401.7	31.6	51430.1	51406.2	23.9	-1.6
32	264	125208	1004	320	30	51431.8	51400.2	31.6	51415.8	51391.9	23.9	-8.0
32	264	125219	1006	320	35	51438.1	51406.5	31.6	51428.1	51404.2	23.9	-5.0
32	264	125230	1008	320	40	51454.7	51423.1	31.6	51446.4	51422.5	23.9	-4.1
32	264	125240	1010	320	45	51480.0	51448.3	31.7	51467.1	51443.2	23.9	-6.4
32	264	125250	1012	320	50	51524.1	51492.4	31.7	51505.7	51481.8	23.9	-9.2
32	264	125301	1014	320	55	51582.8	51551.1	31.7	51569.4	51545.5	23.9	-6.7
32	264	125312	1016	320	60	51669.8	51638.0	31.8	51683.0	51659.1	23.9	6.6

K-Area Bingham Pump Outage Pit Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
32	264	125323	1018	320	65	51747.5	51715.7	31.8	51803.1	51779.1	24.0	27.8
32	264	125334	1020	320	70	51804.9	51773.1	31.8	51888.9	51864.9	24.0	42.0
32	264	125347	1022	320	75	51809.1	51777.2	31.9	51931.3	51907.3	24.0	61.1
32	264	125359	1024	320	80	51723.4	51691.5	31.9	51872.1	51848.1	24.0	74.4
32	264	125409	1026	320	85	51562.1	51530.2	31.9	51636.9	51612.9	24.0	37.4
32	264	125420	1028	320	90	51393.2	51361.2	32.0	51361.2	51337.2	24.0	-16.0
32	264	125431	1030	320	95	51328.6	51296.6	32.0	51285.8	51261.8	24.0	-21.4
32	264	125443	1032	320	100	51311.2	51279.2	32.0	51290.9	51266.9	24.0	-10.1
32	264	125455	1034	320	105	51321.5	51289.4	32.1	51318.9	51294.9	24.0	-1.3
32	264	125507	1036	320	110	51334.5	51302.4	32.1	51334.2	51310.2	24.0	-0.2
32	264	125518	1038	320	115	51346.9	51314.8	32.1	51347.8	51323.8	24.0	0.4
32	264	125532	1040	320	120	51356.8	51324.6	32.2	51362.5	51338.4	24.1	2.9
33	264	131101	1052	330	120	51356.8	51326.4	30.4	51349.9	51326.1	23.8	-3.4
33	264	131111	1054	330	115	51341.5	51311.1	30.4	51332.0	51308.2	23.8	-4.8
33	264	131122	1056	330	110	51316.9	51286.4	30.5	51307.3	51283.5	23.8	-4.8
33	264	131133	1058	330	105	51289.7	51259.2	30.5	51270.1	51246.3	23.8	-9.8
33	264	131144	1060	330	100	51242.8	51212.3	30.5	51210.9	51187.1	23.8	-15.9
33	264	131158	1062	330	95	51240.5	51210.0	30.5	51197.5	51173.7	23.8	-21.5
33	264	131209	1064	330	90	51274.6	51244.1	30.5	51307.3	51283.5	23.8	16.4
33	264	131219	1066	330	85	51297.5	51267.0	30.5	51250.0	51226.2	23.8	-23.8
33	264	131231	1068	330	80	51342.0	51311.5	30.5	51290.7	51266.9	23.8	-25.7
33	264	131242	1070	330	75	51399.7	51369.2	30.5	51384.1	51360.3	23.8	-7.8
33	264	131253	1072	330	70	51445.9	51415.4	30.5	51444.1	51420.3	23.8	-0.9
33	264	131304	1074	330	65	51457.2	51426.7	30.5	51458.3	51434.6	23.7	0.6
33	264	131315	1076	330	60	51467.5	51437.0	30.5	51450.0	51426.3	23.7	-8.8
33	264	131326	1078	330	55	51450.8	51420.3	30.5	51422.4	51398.7	23.7	-14.2
33	264	131337	1080	330	50	51437.7	51407.2	30.5	51410.9	51387.2	23.7	-13.4
33	264	131352	1082	330	45	51427.6	51397.1	30.5	51407.0	51383.3	23.7	-10.3
33	264	131403	1084	330	40	51422.7	51392.2	30.5	51403.1	51379.4	23.7	-9.8
33	264	131414	1086	330	35	51418.4	51387.9	30.5	51402.7	51379.0	23.7	-7.9
33	264	131426	1088	330	30	51415.7	51385.2	30.5	51401.9	51378.2	23.7	-6.9
33	264	131439	1090	330	25	51410.7	51380.2	30.5	51401.4	51377.7	23.7	-4.6
33	264	131450	1092	330	20	51410.7	51380.2	30.5	51399.9	51376.2	23.7	-5.4
33	264	131500	1094	330	15	51411.5	51381.0	30.5	51396.8	51373.1	23.7	-7.4
33	264	131511	1096	330	10	51406.3	51375.8	30.5	51397.9	51374.2	23.7	-4.2
33	264	131525	1098	330	5	51402.0	51371.5	30.5	51395.0	51371.4	23.6	-3.5
33	264	131537	1100	330	0	51402.1	51371.6	30.5	51388.2	51364.6	23.6	-7.0
34	264	131606	1102	340	0	51401.4	51370.9	30.5	51389.8	51366.2	23.6	-5.8
34	264	131618	1104	340	5	51395.7	51365.2	30.5	51406.5	51382.9	23.6	5.4
34	264	131629	1106	340	10	51397.1	51366.6	30.5	51404.7	51381.1	23.6	3.8
34	264	131641	1108	340	15	51402.5	51372.0	30.5	51397.7	51374.1	23.6	-2.4
34	264	131653	1110	340	20	51398.8	51368.3	30.5	51406.4	51382.8	23.6	3.8
34	264	131704	1112	340	25	51397.2	51366.6	30.6	51400.5	51376.9	23.6	1.7
34	264	131717	1114	340	30	51401.4	51370.8	30.6	51388.8	51365.2	23.6	-6.3
34	264	131728	1116	340	35	51393.6	51363.0	30.6	51400.8	51377.2	23.6	3.6
34	264	131738	1118	340	40	51383.6	51353.0	30.6	51374.6	51351.0	23.6	-4.5
34	264	131749	1120	340	45	51372.3	51341.7	30.6	51357.6	51334.1	23.5	-7.4
34	264	131800	1122	340	50	51348.1	51317.5	30.6	51331.5	51308.0	23.5	-8.3
34	264	131811	1124	340	55	51313.1	51282.5	30.6	51283.0	51259.5	23.5	-15.1
34	264	131821	1126	340	60	51246.6	51216.0	30.6	51199.1	51175.6	23.5	-23.8
34	264	131832	1128	340	65	51134.3	51103.7	30.6	51056.4	51032.9	23.5	-38.9
34	264	131843	1130	340	70	50950.3	50919.7	30.6	50787.2	50763.7	23.5	-81.6
34	264	131853	1132	340	75	50798.0	50767.4	30.6	50583.9	50560.4	23.5	-107.0
34	264	131904	1134	340	80	50773.5	50742.9	30.6	50614.6	50591.1	23.5	-79.4

K-Area Bingham Pump Outage Pit Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
34	264	131913	1136	340	85	50889.9	50859.3	30.6	50808.1	50784.6	23.5	-40.9
34	264	131925	1138	340	90	50993.1	50962.5	30.6	50991.2	50967.7	23.5	-1.0
34	264	131937	1140	340	95	51081.0	51050.4	30.6	51040.6	51017.1	23.5	-20.2
34	264	131950	1142	340	100	51155.1	51124.5	30.6	51124.5	51101.0	23.5	-15.3
34	264	132001	1144	340	105	51229.5	51198.9	30.6	51220.4	51196.9	23.5	-4.5
34	264	132012	1146	340	110	51281.6	51251.0	30.6	51279.0	51255.5	23.5	-1.3
34	264	132023	1148	340	115	51315.2	51284.6	30.6	51317.6	51294.2	23.4	1.2
34	264	132034	1150	340	120	51337.4	51306.8	30.6	51345.9	51322.5	23.4	4.3
35	264	132054	1152	350	120	51338.6	51308.0	30.6	51330.3	51306.9	23.4	-4.2
35	264	132104	1154	350	115	51312.1	51281.5	30.6	51299.3	51275.9	23.4	-6.4
35	264	132114	1156	350	110	51269.7	51239.1	30.6	51243.9	51220.5	23.4	-12.9
35	264	132126	1158	350	105	51206.5	51175.9	30.6	51158.2	51134.8	23.4	-24.2
35	264	132136	1160	350	100	51116.7	51086.1	30.6	51023.9	51000.5	23.4	-46.4
35	264	132146	1162	350	95	51033.9	51003.3	30.6	50868.9	50845.5	23.4	-82.5
35	264	132206	1164	350	90	50893.9	50863.3	30.6	50628.2	50604.8	23.4	-132.9
35	264	132217	1166	350	85	50621.1	50590.5	30.6	49844.2	49820.8	23.4	-388.5
35	264	132227	1168	350	80	50535.3	50504.7	30.6	51981.9	51958.5	23.4	723.3
35	264	132237	1170	350	75	50851.8	50821.2	30.6	50233.7	50210.3	23.4	-309.1
35	264	132247	1172	350	70	51152.5	51121.8	30.7	50881.2	50857.9	23.3	-135.7
35	264	132256	1174	350	65	51283.4	51252.7	30.7	51125.4	51102.1	23.3	-79.0
35	264	132306	1176	350	60	51306.7	51276.0	30.7	51222.8	51199.5	23.3	-41.9
35	264	132316	1178	350	55	51335.2	51304.5	30.7	51282.6	51259.3	23.3	-26.3
35	264	132326	1180	350	50	51356.4	51325.7	30.7	51321.7	51298.4	23.3	-17.4
35	264	132337	1182	350	45	51373.4	51342.7	30.7	51345.7	51322.4	23.3	-13.9
35	264	132347	1184	350	40	51385.3	51354.6	30.7	51362.8	51339.5	23.3	-11.3
35	264	132359	1186	350	35	51386.0	51355.3	30.7	51376.2	51352.9	23.3	-4.9
35	264	132410	1188	350	30	51391.2	51360.5	30.7	51383.0	51359.7	23.3	-4.1
35	264	132421	1190	350	25	51392.2	51361.5	30.7	51385.9	51362.6	23.3	-3.1
35	264	132433	1192	350	20	51391.6	51360.9	30.7	51388.5	51365.2	23.3	-1.6
35	264	132444	1194	350	15	51394.0	51363.3	30.7	51390.0	51366.7	23.3	-2.0
35	264	132455	1196	350	10	51399.5	51368.8	30.7	51389.6	51366.3	23.3	-4.9
35	264	132506	1198	350	5	51399.7	51369.0	30.7	51390.5	51367.2	23.3	-4.6
35	264	132516	1200	350	0	51395.5	51364.8	30.7	51387.5	51364.3	23.2	-4.0
36	264	132543	1202	360	0	51391.5	51360.8	30.7	51387.5	51364.3	23.2	-2.0
36	264	132555	1204	360	5	51389.8	51359.1	30.7	51394.0	51370.8	23.2	2.1
36	264	132605	1206	360	10	51388.3	51357.6	30.7	51392.3	51369.1	23.2	2.0
36	264	132619	1208	360	15	51380.6	51349.9	30.7	51371.8	51348.6	23.2	-4.4
36	264	132631	1210	360	20	51383.1	51352.4	30.7	51349.7	51326.5	23.2	-16.7
36	264	132645	1212	360	25	51413.4	51382.7	30.7	51469.2	51446.0	23.2	27.9
36	264	132659	1214	360	30	51398.6	51367.9	30.7	51379.5	51356.3	23.2	-9.6
36	264	132712	1216	360	35	51386.6	51355.9	30.7	51375.6	51352.4	23.2	-5.5
36	264	132723	1218	360	40	51391.2	51360.5	30.7	51380.7	51357.5	23.2	-5.3
36	264	132733	1220	360	45	51402.5	51371.8	30.7	51385.1	51361.9	23.2	-8.7
36	264	132744	1222	360	50	51430.1	51399.4	30.7	51405.3	51382.2	23.1	-12.4
36	264	132755	1224	360	55	51510.4	51479.7	30.7	51490.7	51467.6	23.1	-9.9
36	264	132806	1226	360	60	51693.8	51663.1	30.7	51661.8	51638.7	23.1	-16.0
36	264	132816	1228	360	65	52176.9	52146.2	30.7	52269.4	52246.3	23.1	46.3
36	264	132827	1230	360	70	52871.7	52840.9	30.8	53928.8	53905.7	23.1	528.6
36	264	132837	1232	360	75	53546.0	53515.2	30.8	55055.4	55032.3	23.1	754.7
36	264	132846	1234	360	80	52908.7	52877.9	30.8	58615.0	58591.9	23.1	2853.2
36	264	132856	1236	360	85	52110.8	52080.0	30.8	52238.3	52215.2	23.1	63.8
36	264	132907	1238	360	90	51584.6	51553.8	30.8	51635.4	51612.3	23.1	25.4
36	264	132917	1240	360	95	51308.2	51277.4	30.8	51221.1	51198.0	23.1	-43.5
36	264	132928	1242	360	100	51230.8	51200.0	30.8	51178.4	51155.3	23.1	-26.2

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
36	264	132937	1244	360	105	51248.8	51218.0	30.8	51232.1	51209.0	23.1	-8.4
36	264	132949	1246	360	110	51287.4	51256.6	30.8	51278.0	51254.9	23.1	-4.7
36	264	133000	1248	360	115	51319.5	51288.7	30.8	51316.0	51292.9	23.1	-1.8
36	264	133012	1250	360	120	51338.2	51307.4	30.8	51342.4	51319.4	23.0	2.1
37	265	113102	10	370	120	51330.0	51312.8	17.2	51344.2	51328.3	15.9	7.1
37	265	113112	12	370	115	51315.0	51297.8	17.2	51312.1	51296.2	15.9	-1.4
37	265	113124	14	370	110	51301.9	51284.7	17.2	51287.3	51271.4	15.9	-7.3
37	265	113138	16	370	105	51272.7	51255.4	17.3	51251.2	51235.3	15.9	-10.8
37	265	113150	18	370	100	51243.5	51226.2	17.3	51048.9	51033.0	15.9	-97.3
37	265	113201	20	370	95	51440.4	51423.1	17.3	51492.1	51476.2	15.9	25.9
37	265	113213	22	370	90	51773.1	51755.7	17.4	51740.3	51724.4	15.9	-16.4
37	265	113223	24	370	85	52135.4	52118.0	17.4	52091.2	52075.3	15.9	-22.1
37	265	113235	26	370	80	52771.9	52754.5	17.4	53253.2	53237.3	15.9	240.6
37	265	113246	28	370	75	53189.4	53171.9	17.5	53883.3	53867.4	15.9	346.9
37	265	113256	30	370	70	52828.7	52811.2	17.5	53233.2	53217.3	15.9	202.3
37	265	113307	32	370	65	52268.1	52250.6	17.5	52343.1	52327.2	15.9	37.5
37	265	113318	34	370	60	51894.8	51877.2	17.6	51805.2	51789.3	15.9	-44.8
37	265	113330	36	370	55	51627.1	51609.5	17.6	51572.1	51556.2	15.9	-27.5
37	265	113340	38	370	50	51480.9	51463.3	17.6	51453.5	51437.6	15.9	-13.7
37	265	113351	40	370	45	51419.8	51402.1	17.7	51406.2	51390.3	15.9	-6.8
37	265	113401	42	370	40	51393.1	51375.4	17.7	51382.0	51366.1	15.9	-5.6
37	265	113411	44	370	35	51382.0	51364.3	17.7	51362.9	51347.0	15.9	-9.5
37	265	113422	46	370	30	51426.7	51408.9	17.8	51380.7	51364.8	15.9	-23.0
37	265	113432	48	370	25	51402.4	51384.6	17.8	51365.9	51350.0	15.9	-18.3
37	265	113445	50	370	20	51379.5	51361.7	17.8	51381.1	51365.2	15.9	0.8
37	265	113455	52	370	15	51374.7	51356.8	17.9	51384.8	51368.9	15.9	5.1
37	265	113505	54	370	10	51373.8	51355.9	17.9	51382.3	51366.4	15.9	4.3
37	265	113515	56	370	5	51372.5	51354.6	17.9	51376.5	51360.6	15.9	2.0
37	265	113525	58	370	0	51371.4	51353.5	17.9	51374.4	51358.5	15.9	1.5
38	265	113553	60	380	0	51378.1	51360.1	18.0	51370.4	51354.5	15.9	-3.9
38	265	113603	62	380	5	51379.1	51361.0	18.1	51371.8	51355.9	15.9	-3.7
38	265	113614	64	380	10	51378.9	51360.8	18.1	51375.2	51359.3	15.9	-1.9
38	265	113625	66	380	15	51379.5	51361.4	18.1	51372.8	51356.9	15.9	-3.4
38	265	113636	68	380	20	51380.3	51362.1	18.2	51372.5	51356.6	15.9	-3.9
38	265	113646	70	380	25	51379.0	51360.8	18.2	51369.9	51354.0	15.9	-4.5
38	265	113656	72	380	30	51380.1	51361.9	18.2	51368.5	51352.6	15.9	-5.8
38	265	113706	74	380	35	51382.3	51364.1	18.2	51368.6	51352.7	15.9	-6.9
38	265	113715	76	380	40	51387.5	51369.2	18.3	51371.8	51355.9	15.9	-7.9
38	265	113725	78	380	45	51402.9	51384.6	18.3	51382.8	51366.9	15.9	-10.1
38	265	113736	80	380	50	51437.9	51419.6	18.3	51408.2	51392.3	15.9	-14.9
38	265	113745	82	380	55	51499.6	51481.2	18.4	51462.0	51446.1	15.9	-18.8
38	265	113755	84	380	60	51577.9	51559.5	18.4	51542.6	51526.7	15.9	-17.7
38	265	113805	86	380	65	51645.7	51627.3	18.4	51606.5	51590.6	15.9	-19.6
38	265	113815	88	380	70	51753.5	51735.1	18.4	51776.1	51760.2	15.9	11.3
38	265	113826	90	380	75	51809.3	51790.8	18.5	51923.3	51907.5	15.8	57.0
38	265	113836	92	380	80	51709.4	51690.9	18.5	51753.6	51737.8	15.8	22.1
38	265	113847	94	380	85	51510.4	51491.9	18.5	51473.9	51458.1	15.8	-18.3
38	265	113856	96	380	90	51399.5	51380.9	18.6	51386.8	51371.0	15.8	-6.4
38	265	113906	98	380	95	51310.8	51292.2	18.6	51293.0	51277.2	15.8	-8.9
38	265	113916	100	380	100	51276.3	51257.7	18.6	51264.1	51248.3	15.8	-6.1
38	265	113927	102	380	105	51283.1	51264.4	18.7	51277.6	51261.8	15.8	-2.8
38	265	113938	104	380	110	51299.4	51280.7	18.7	51298.9	51283.1	15.8	-0.3
38	265	113950	106	380	115	51316.3	51297.6	18.7	51318.4	51302.6	15.8	1.1
38	265	114000	108	380	120	51330.1	51311.3	18.8	51330.0	51314.2	15.8	-0.1

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
39	265	114026	110	390	120	51308.2	51289.4	18.8	51320.4	51304.6	15.8	6.1
39	265	114038	112	390	115	51276.6	51257.7	18.9	51303.6	51287.8	15.8	13.5
39	265	114049	114	390	110	51245.4	51226.5	18.9	51248.0	51232.2	15.8	1.3
39	265	114107	116	390	105	51190.6	51171.6	19.0	51191.3	51175.5	15.8	0.4
39	265	114121	118	390	100	51110.4	51091.4	19.0	51095.2	51079.4	15.8	-7.6
39	265	114134	120	390	95	51012.5	50993.5	19.0	50958.8	50943.0	15.8	-26.9
39	265	114145	122	390	90	50967.8	50948.7	19.1	50869.9	50854.1	15.8	-48.9
39	265	114155	124	390	85	51020.0	51000.9	19.1	50954.2	50938.4	15.8	-32.9
39	265	114204	126	390	80	51078.3	51059.2	19.1	50951.0	50935.2	15.8	-63.7
39	265	114216	128	390	75	51166.7	51147.5	19.2	51056.3	51040.5	15.8	-55.2
39	265	114226	130	390	70	51267.8	51248.6	19.2	51185.5	51169.7	15.8	-41.2
39	265	114235	132	390	65	51322.1	51302.9	19.2	51262.2	51246.4	15.8	-30.0
39	265	114245	134	390	60	51344.6	51325.3	19.3	51296.0	51280.2	15.8	-24.3
39	265	114255	136	390	55	51351.9	51332.6	19.3	51324.2	51308.4	15.8	-13.9
39	265	114304	138	390	50	51357.6	51338.3	19.3	51341.9	51326.1	15.8	-7.9
39	265	114314	140	390	45	51360.4	51341.1	19.3	51349.6	51333.8	15.8	-5.4
39	265	114324	142	390	40	51364.3	51344.9	19.4	51359.1	51343.3	15.8	-2.6
39	265	114334	144	390	35	51367.1	51347.7	19.4	51363.0	51347.2	15.8	-2.1
39	265	114345	146	390	30	51366.1	51346.7	19.4	51371.8	51356.0	15.8	2.9
39	265	114355	148	390	25	51370.7	51351.2	19.5	51370.7	51354.9	15.8	0.0
39	265	114406	150	390	20	51374.2	51354.7	19.5	51368.5	51352.7	15.8	-2.9
39	265	114418	152	390	15	51373.0	51353.5	19.5	51376.8	51361.0	15.8	1.9
39	265	114430	154	390	10	51374.8	51355.2	19.6	51371.0	51355.2	15.8	-1.9
39	265	114441	156	390	5	51372.7	51353.1	19.6	51376.8	51361.0	15.8	2.1
39	265	114451	158	390	0	51368.9	51349.3	19.6	51374.9	51359.1	15.8	3.0
40	265	114514	160	400	0	51377.0	51357.3	19.7	51371.3	51355.5	15.8	-2.9
40	265	114524	162	400	5	51377.8	51358.1	19.7	51372.9	51357.1	15.8	-2.4
40	265	114535	164	400	10	51374.6	51354.8	19.8	51378.7	51362.9	15.8	2.0
40	265	114546	166	400	15	51373.4	51353.6	19.8	51374.2	51358.4	15.8	0.4
40	265	114557	168	400	20	51368.3	51348.5	19.8	51365.0	51349.2	15.8	-1.7
40	265	114608	170	400	25	51349.9	51330.0	19.9	51318.5	51302.7	15.8	-15.7
40	265	114620	172	400	30	51333.3	51313.4	19.9	51289.7	51273.9	15.8	-21.8
40	265	114630	174	400	35	51331.4	51311.5	19.9	51280.0	51264.2	15.8	-25.7
40	265	114640	176	400	40	51345.3	51325.3	20.0	51327.0	51311.2	15.8	-9.2
40	265	114650	178	400	45	51340.0	51320.0	20.0	51315.1	51299.3	15.8	-12.4
40	265	114701	180	400	50	51329.4	51309.4	20.0	51290.3	51274.5	15.8	-19.6
40	265	114711	182	400	55	51320.6	51300.6	20.0	51265.7	51249.9	15.8	-27.5
40	265	114722	184	400	60	51333.5	51313.4	20.1	51259.0	51243.2	15.8	-37.3
40	265	114732	186	400	65	51383.4	51363.3	20.1	51350.9	51335.1	15.8	-16.3
40	265	114743	188	400	70	51427.3	51407.2	20.1	51532.9	51517.1	15.8	52.8
40	265	114753	190	400	75	51091.0	51070.8	20.2	50943.8	50928.0	15.8	-73.6
40	265	114804	192	400	80	50692.2	50672.0	20.2	50374.4	50358.6	15.8	-158.9
40	265	114815	194	400	85	50512.2	50492.0	20.2	50197.0	50181.2	15.8	-157.6
40	265	114825	196	400	90	50503.9	50483.6	20.3	50237.7	50221.9	15.8	-133.1
40	265	114835	198	400	95	50718.1	50697.8	20.3	50591.7	50575.9	15.8	-63.2
40	265	114849	200	400	100	50928.0	50907.7	20.3	50889.8	50874.0	15.8	-19.1
40	265	114900	202	400	105	51057.2	51036.8	20.4	51054.4	51038.6	15.8	-1.4
40	265	114912	204	400	110	51165.7	51145.3	20.4	51173.6	51157.8	15.8	4.0
40	265	114923	206	400	115	51235.4	51215.0	20.4	51243.7	51227.9	15.8	4.1
40	265	114933	208	400	120	51274.1	51253.6	20.5	51278.7	51262.9	15.8	2.3
41	265	120155	220	410	120	51228.7	51205.7	23.0	51238.2	51221.9	16.3	4.8
41	265	120205	222	410	115	51178.4	51155.4	23.0	51186.1	51169.7	16.4	3.9
41	265	120216	224	410	110	51088.3	51065.3	23.0	51082.2	51065.8	16.4	-3.1
41	265	120226	226	410	105	50951.4	50928.4	23.0	50924.6	50908.2	16.4	-13.4

K-Area Bingham Pump Outage Pit Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
41	265	120237	228	410	100	50773.4	50750.4	23.0	50696.9	50680.5	16.4	-38.3
41	265	120256	230	410	95	50552.5	50529.5	23.0	50378.5	50362.1	16.4	-87.0
41	265	120308	232	410	90	50250.3	50227.3	23.0	49908.2	49891.8	16.4	-171.1
41	265	120319	234	410	85	50291.0	50268.0	23.0	49841.9	49825.4	16.5	-224.5
41	265	120329	236	410	80	50623.0	50600.0	23.0	50225.4	50208.9	16.5	-198.8
41	265	120339	238	410	75	51294.9	51271.9	23.0	51291.4	51274.9	16.5	-1.8
41	265	120350	240	410	70	51780.9	51757.9	23.0	52088.8	52072.3	16.5	153.9
41	265	120400	242	410	65	51700.9	51677.9	23.0	51774.7	51758.2	16.5	36.9
41	265	120409	244	410	60	51507.5	51484.5	23.0	51465.5	51449.0	16.5	-21.0
41	265	120418	246	410	55	51409.8	51386.8	23.0	51353.7	51337.1	16.6	-28.1
41	265	120428	248	410	50	51369.5	51346.5	23.0	51333.6	51317.0	16.6	-17.9
41	265	120438	250	410	45	51362.8	51339.8	23.0	51337.0	51320.4	16.6	-12.9
41	265	120449	252	410	40	51368.2	51345.2	23.0	51350.7	51334.1	16.6	-8.8
41	265	120459	254	410	35	51373.5	51350.5	23.0	51386.3	51369.7	16.6	6.4
41	265	120512	256	410	30	51390.2	51367.2	23.0	51395.9	51379.3	16.6	2.9
41	265	120523	258	410	25	51384.3	51361.3	23.0	51383.0	51366.4	16.6	-0.7
41	265	120533	260	410	20	51387.5	51364.5	23.0	51391.8	51375.1	16.7	2.2
41	265	120544	262	410	15	51388.6	51365.6	23.0	51382.4	51365.7	16.7	-3.1
41	265	120555	264	410	10	51379.6	51356.6	23.0	51381.1	51364.4	16.7	0.8
41	265	120605	266	410	5	51377.4	51354.3	23.1	51377.4	51360.7	16.7	0.0
41	265	120616	268	410	0	51374.9	51351.8	23.1	51374.0	51357.3	16.7	-0.5
42	265	120636	270	420	0	51380.4	51357.3	23.1	51373.7	51356.9	16.8	-3.4
42	265	120648	272	420	5	51382.5	51359.4	23.1	51375.2	51358.4	16.8	-3.7
42	265	120706	274	420	10	51386.1	51363.0	23.1	51376.8	51360.0	16.8	-4.7
42	265	120717	276	420	15	51385.7	51362.6	23.1	51379.8	51363.0	16.8	-2.9
42	265	120728	278	420	20	51386.9	51363.8	23.1	51378.9	51362.1	16.8	-4.0
42	265	120738	280	420	25	51387.0	51363.9	23.1	51378.1	51361.3	16.8	-4.4
42	265	120748	282	420	30	51389.8	51366.7	23.1	51378.1	51361.2	16.9	-5.9
42	265	120758	284	420	35	51393.4	51370.3	23.1	51377.9	51361.0	16.9	-7.8
42	265	120808	286	420	40	51404.6	51381.5	23.1	51382.0	51365.1	16.9	-11.3
42	265	120819	288	420	45	51422.0	51398.9	23.1	51393.8	51376.9	16.9	-14.1
42	265	120829	290	420	50	51466.3	51443.2	23.1	51423.7	51406.8	16.9	-21.3
42	265	120839	292	420	55	51554.7	51531.6	23.1	51509.9	51493.0	16.9	-22.4
42	265	120849	294	420	60	51757.5	51734.4	23.1	51708.0	51691.1	16.9	-24.8
42	265	120904	296	420	65	52067.8	52044.7	23.1	52130.7	52113.7	17.0	31.4
42	265	120916	298	420	70	52473.8	52450.7	23.1	52781.7	52764.7	17.0	153.9
42	265	120926	300	420	75	52457.8	52434.7	23.1	52978.8	52961.8	17.0	260.5
42	265	120938	302	420	80	51624.5	51601.4	23.1	51441.1	51424.1	17.0	-91.7
42	265	120949	304	420	85	50604.9	50581.8	23.1	49912.0	49895.0	17.0	-346.5
42	265	121000	306	420	90	50039.3	50016.2	23.1	49199.5	49182.5	17.0	-419.9
42	265	121010	308	420	95	50098.4	50075.3	23.1	49587.8	49570.7	17.1	-255.3
42	265	121021	310	420	100	50515.1	50492.0	23.1	50318.8	50301.7	17.1	-98.2
42	265	121033	312	420	105	50813.5	50790.4	23.1	50742.3	50725.2	17.1	-35.6
42	265	121045	314	420	110	51006.3	50983.2	23.1	50974.7	50957.6	17.1	-15.8
42	265	121057	316	420	115	51131.0	51107.9	23.1	51116.5	51099.4	17.1	-7.3
42	265	121108	318	420	120	51205.8	51182.7	23.1	51199.2	51182.0	17.2	-3.3
43	265	121132	320	430	120	51248.1	51225.0	23.1	51253.2	51236.0	17.2	2.5
43	265	121143	322	430	115	51180.5	51157.4	23.1	51153.5	51136.3	17.2	-13.5
43	265	121155	324	430	110	51073.2	51050.1	23.1	51022.8	51005.6	17.2	-25.2
43	265	121205	326	430	105	50943.4	50920.3	23.1	50814.5	50797.3	17.2	-64.5
43	265	121217	328	430	100	50726.0	50702.9	23.1	50415.2	50397.9	17.3	-155.4
43	265	121228	330	430	95	50736.2	50713.1	23.1	49931.7	49914.4	17.3	-402.3
43	265	121238	332	430	90	51239.3	51216.2	23.1	50719.2	50701.9	17.3	-260.1
43	265	121247	334	430	85	52379.3	52356.2	23.1	52557.4	52540.1	17.3	89.1

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
43	265	121257	336	430	80	53277.0	53253.9	23.1	54344.6	54327.3	17.3	533.8
43	265	121309	338	430	75	53905.8	53882.7	23.1	55032.0	55014.7	17.3	563.1
43	265	121319	340	430	70	53327.2	53304.1	23.1	53832.1	53814.8	17.3	252.5
43	265	121330	342	430	65	52542.4	52519.3	23.1	52649.8	52632.4	17.4	53.7
43	265	121340	344	430	60	52015.7	51992.6	23.1	51992.3	51974.9	17.4	-11.7
43	265	121350	346	430	55	51725.9	51702.8	23.1	51682.1	51664.7	17.4	-21.9
43	265	121401	348	430	50	51558.0	51534.9	23.1	51528.7	51511.3	17.4	-14.7
43	265	121410	350	430	45	51479.3	51456.2	23.1	51449.3	51431.9	17.4	-15.0
43	265	121420	352	430	40	51433.0	51409.9	23.1	51416.7	51399.3	17.4	-8.2
43	265	121430	354	430	35	51404.8	51381.7	23.1	51395.3	51377.9	17.4	-4.8
43	265	121441	356	430	30	51391.0	51367.9	23.1	51383.0	51365.5	17.5	-4.0
43	265	121450	358	430	25	51384.4	51361.3	23.1	51383.8	51366.3	17.5	-0.3
43	265	121459	360	430	20	51383.2	51360.1	23.1	51385.4	51367.9	17.5	1.1
43	265	121511	362	430	15	51382.0	51358.8	23.2	51382.6	51365.1	17.5	0.3
43	265	121521	364	430	10	51381.5	51358.3	23.2	51382.3	51364.8	17.5	0.4
43	265	121533	366	430	5	51379.4	51356.2	23.2	51385.4	51367.9	17.5	3.0
43	265	121543	368	430	0	51376.9	51353.7	23.2	51376.5	51358.9	17.6	-0.2
44	265	121603	370	440	0	51377.2	51354.0	23.2	51379.9	51362.3	17.6	1.4
44	265	121615	372	440	5	51381.7	51358.5	23.2	51376.7	51359.1	17.6	-2.5
44	265	121626	374	440	10	51382.7	51359.5	23.2	51376.7	51359.1	17.6	-3.0
44	265	121637	376	440	15	51377.2	51354.0	23.2	51369.9	51352.3	17.6	-3.6
44	265	121649	378	440	20	51366.4	51343.2	23.2	51355.5	51337.8	17.7	-5.5
44	265	121701	380	440	25	51345.2	51322.0	23.2	51331.7	51314.0	17.7	-6.8
44	265	121710	382	440	30	51321.4	51298.2	23.2	51307.5	51289.8	17.7	-7.0
44	265	121720	384	440	35	51331.6	51308.4	23.2	51315.9	51298.2	17.7	-7.9
44	265	121730	386	440	40	51388.5	51365.3	23.2	51371.2	51353.5	17.7	-8.7
44	265	121740	388	440	45	51461.9	51438.7	23.2	51441.5	51423.8	17.7	-10.2
44	265	121751	390	440	50	51566.1	51542.9	23.2	51537.2	51519.5	17.7	-14.5
44	265	121801	392	440	55	51701.6	51678.4	23.2	51671.9	51654.1	17.8	-14.9
44	265	121811	394	440	60	51925.6	51902.4	23.2	51897.0	51879.2	17.8	-14.3
44	265	121820	396	440	65	52322.8	52299.6	23.2	52352.5	52334.7	17.8	14.9
44	265	121831	398	440	70	52960.4	52937.2	23.2	53212.1	53194.3	17.8	125.9
44	265	121842	400	440	75	53812.0	53788.8	23.2	58507.3	58489.5	17.8	2347.7
44	265	121853	402	440	80	54138.6	54115.4	23.2	58539.0	58521.2	17.8	2200.2
44	265	121904	404	440	85	53845.5	53822.3	23.2	58512.5	58494.7	17.8	2333.5
44	265	121915	406	440	90	53313.1	53289.9	23.2	54762.8	54744.9	17.9	724.9
44	265	121926	408	440	95	52229.6	52206.4	23.2	52478.4	52460.5	17.9	124.4
44	265	121941	410	440	100	51430.5	51407.3	23.2	51313.4	51295.5	17.9	-58.5
44	265	121952	412	440	105	51217.7	51194.5	23.2	51121.8	51103.9	17.9	-47.9
44	265	122004	414	440	110	51224.1	51200.9	23.2	51166.9	51149.0	17.9	-28.6
44	265	122015	416	440	115	51248.9	51225.7	23.2	51218.8	51200.8	18.0	-15.1
44	265	122024	418	440	120	51275.4	51252.2	23.2	51257.2	51239.2	18.0	-9.1
45	265	123906	430	450	120	51327.7	51303.9	23.8	51314.7	51295.5	19.2	-6.5
45	265	123917	432	450	115	51324.0	51300.2	23.8	51307.4	51288.2	19.2	-8.3
45	265	123927	434	450	110	51326.0	51302.1	23.9	51300.8	51281.6	19.2	-12.6
45	265	123937	436	450	105	51370.3	51346.4	23.9	51320.7	51301.5	19.2	-24.8
45	265	123947	438	450	100	51483.3	51459.4	23.9	51409.8	51390.6	19.2	-36.8
45	265	123958	440	450	95	51625.9	51602.0	23.9	51471.1	51451.9	19.2	-77.4
45	265	124008	442	450	90	41211.2	41187.2	24.0	50101.7	50082.5	19.2	4445.3
45	265	124019	444	450	85	51880.9	51856.9	24.0	51553.7	51534.5	19.2	-163.6
45	265	124029	446	450	80	52511.2	52487.2	24.0	52532.6	52513.4	19.2	10.7
45	265	124039	448	450	75	52471.5	52447.4	24.1	52494.7	52475.5	19.2	11.6
45	265	124048	450	450	70	52213.7	52189.6	24.1	52200.4	52181.2	19.2	-6.6
45	265	124057	452	450	65	51970.3	51946.2	24.1	51946.2	51927.0	19.2	-12.1

K-Area Bingham Pump Outage Pit Magnetic Survey Data

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						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
45	265	124107	454	450	60	51779.6	51755.5	24.1	51756.1	51736.9	19.2	-11.8
45	265	124117	456	450	55	51640.0	51615.8	24.2	51622.8	51603.6	19.2	-8.6
45	265	124127	458	450	50	51530.1	51505.9	24.2	51515.4	51496.2	19.2	-7.4
45	265	124137	460	450	45	51423.0	51398.8	24.2	51405.5	51386.3	19.2	-8.8
45	265	124148	462	450	40	51207.1	51182.9	24.2	51140.4	51121.2	19.2	-33.4
45	265	124159	464	450	35	50469.8	50445.5	24.3	50027.5	50008.3	19.2	-221.2
45	265	124209	466	450	30	50345.3	50321.0	24.3	49502.6	49483.4	19.2	-421.4
45	265	124219	468	450	25	51162.8	51138.5	24.3	50932.5	50913.2	19.3	-115.2
45	265	124229	470	450	20	51319.3	51294.9	24.4	51266.5	51247.2	19.3	-26.4
45	265	124240	472	450	15	51366.9	51342.5	24.4	51350.3	51331.0	19.3	-8.3
45	265	124253	474	450	10	51380.6	51356.2	24.4	51375.0	51355.7	19.3	-2.8
45	265	124303	476	450	5	51381.0	51356.6	24.4	51382.7	51363.4	19.3	0.9
45	265	124313	478	450	0	51380.8	51356.3	24.5	51376.8	51357.5	19.3	-2.0
46	265	124341	480	460	0	51393.1	51368.6	24.5	51385.0	51365.7	19.3	-4.1
46	265	124351	482	460	5	51393.6	51369.0	24.6	51384.5	51365.2	19.3	-4.6
46	265	124402	484	460	10	51396.3	51371.7	24.6	51384.8	51365.5	19.3	-5.8
46	265	124412	486	460	15	51403.4	51378.8	24.6	51388.3	51369.0	19.3	-7.6
46	265	124423	488	460	20	51426.9	51402.2	24.7	51425.4	51406.1	19.3	-0.8
46	265	124434	490	460	25	51369.7	51345.0	24.7	51291.8	51272.5	19.3	-38.9
46	265	124445	492	460	30	51306.5	51281.8	24.7	50783.6	50764.3	19.3	-261.4
46	265	124456	494	460	35	51226.2	51201.5	24.7	50780.9	50761.6	19.3	-222.6
46	265	124506	496	460	40	51299.5	51274.7	24.8	51185.4	51166.1	19.3	-57.0
46	265	124516	498	460	45	51398.6	51373.8	24.8	51369.4	51350.1	19.3	-14.6
46	265	124526	500	460	50	51474.8	51450.0	24.8	51456.8	51437.5	19.3	-9.0
46	265	124536	502	460	55	51540.5	51515.6	24.9	51520.1	51500.8	19.3	-10.2
46	265	124546	504	460	60	51616.8	51591.9	24.9	51644.6	51625.3	19.3	13.9
46	265	124556	506	460	65	51647.6	51622.7	24.9	51602.0	51582.7	19.3	-22.8
46	265	124605	508	460	70	51694.1	51669.2	24.9	51661.6	51642.3	19.3	-16.3
46	265	124615	510	460	75	51733.8	51708.8	25.0	51699.6	51680.3	19.3	-17.1
46	265	124626	512	460	80	51727.6	51702.6	25.0	51671.7	51652.4	19.3	-28.0
46	265	124637	514	460	85	51685.4	51660.4	25.0	51610.0	51590.7	19.3	-37.7
46	265	124651	516	460	90	51592.4	51567.3	25.1	51514.8	51495.5	19.3	-38.8
46	265	124701	518	460	95	51523.4	51498.3	25.1	51462.8	51443.5	19.3	-30.3
46	265	124711	520	460	100	51467.6	51442.5	25.1	51420.5	51401.2	19.3	-23.6
46	265	124721	522	460	105	51408.7	51383.6	25.1	51379.9	51360.6	19.3	-14.4
46	265	124731	524	460	110	51386.2	51361.0	25.2	51362.9	51343.6	19.3	-11.6
46	265	124743	526	460	115	51372.2	51347.0	25.2	51354.2	51334.9	19.3	-9.0
46	265	124753	528	460	120	51365.8	51340.6	25.2	51351.7	51332.4	19.3	-7.1
47	265	124812	530	470	120	51400.9	51375.6	25.3	51383.1	51363.8	19.3	-8.9
47	265	124821	532	470	115	51399.9	51374.6	25.3	51387.5	51368.2	19.3	-6.2
47	265	124832	534	470	110	51404.6	51379.3	25.3	51401.0	51381.7	19.3	-1.8
47	265	124843	536	470	105	51424.1	51398.7	25.4	51422.9	51403.6	19.3	-0.6
47	265	124855	538	470	100	51453.4	51428.0	25.4	51441.3	51422.0	19.3	-6.1
47	265	124905	540	470	95	51486.6	51461.2	25.4	51473.0	51453.7	19.3	-6.8
47	265	124917	542	470	90	51521.8	51496.4	25.4	51502.6	51483.3	19.3	-9.6
47	265	124927	544	470	85	51563.9	51538.4	25.5	51540.5	51521.2	19.3	-11.7
47	265	124937	546	470	80	51583.0	51557.5	25.5	51567.6	51548.3	19.3	-7.7
47	265	124946	548	470	75	51568.6	51543.1	25.5	51550.0	51530.6	19.4	-9.3
47	265	124956	550	470	70	51563.1	51537.6	25.5	51547.7	51528.3	19.4	-7.7
47	265	125006	552	470	65	51544.0	51518.4	25.6	51531.8	51512.4	19.4	-6.1
47	265	125016	554	470	60	51518.5	51492.9	25.6	51516.1	51496.7	19.4	-1.2
47	265	125026	556	470	55	51492.9	51467.3	25.6	51491.8	51472.4	19.4	-0.6
47	265	125036	558	470	50	51465.4	51439.7	25.7	51458.6	51439.2	19.4	-3.4
47	265	125051	560	470	45	51422.4	51396.7	25.7	51420.3	51400.9	19.4	-1.1

K-Area Bingham Pump Outage Pit Magnetic Survey Data

LINE	DAY	TIME	STA.	X	Y	TOP (nT)			BOTTOM (nT)			VERT. GRAD. (nT/m)
						uncorrect.	corrected	dif.	uncorrect.	corrected	dif.	
47	265	125102	562	470	40	51397.9	51372.2	25.7	51385.1	51365.7	19.4	-6.4
47	265	125112	564	470	35	51398.5	51372.8	25.7	51385.7	51366.3	19.4	-6.4
47	265	125123	566	470	30	51389.5	51363.7	25.8	51377.9	51358.5	19.4	-5.8
47	265	125133	568	470	25	51378.3	51352.5	25.8	51371.2	51351.8	19.4	-3.6
47	265	125144	570	470	20	51387.0	51361.2	25.8	51380.3	51360.9	19.4	-3.4
47	265	125154	572	470	15	51396.7	51370.8	25.9	51389.4	51370.0	19.4	-3.6
47	265	125204	574	470	10	51398.8	51372.9	25.9	51393.9	51374.5	19.4	-2.4
47	265	125215	576	470	5	51395.1	51369.2	25.9	51403.1	51383.7	19.4	4.0
47	265	125225	578	470	0	51395.0	51369.1	25.9	51393.4	51374.0	19.4	-0.8

K Area Bingham Pumps Outage Pits Diurnal Variations

DAY 263 Diurnal Variation

TOP SENSOR			BOTTOM SENSOR		
Sta.	Time	Field	Sta.	Time	Field
1	11:00:30	51283.4	0	11:00:27	51291.4
3	11:00:39	51282.5	2	11:00:35	51290.1
5	11:00:47	51282.3	4	11:00:43	51289.6
7	11:00:55	51282.0	6	11:00:51	51289.2
9	11:01:03	51281.8	8	11:01:00	51288.4
211	11:21:00	51282.9	210	11:20:57	51290.7
213	11:21:08	51282.9	212	11:21:05	51290.8
215	11:21:17	51283.2	214	11:21:13	51290.9
217	11:21:25	51283.1	216	11:21:22	51291.2
219	11:21:33	51283.3	218	11:21:30	51291.7
221	11:39:13	51283.5	220	11:39:09	51289.9
223	11:39:21	51283.2	222	11:39:18	51289.8
225	11:39:29	51283.0	224	11:39:26	51290.2
227	11:39:38	51283.4	226	11:39:35	51290.1
229	11:39:46	51283.7	228	11:39:43	51290.1
431	12:00:17	51289.5	432	12:00:22	51295.4
433	12:00:26	51289.8	434	12:00:30	51294.2
435	12:00:34	51289.6	436	12:00:38	51294.3
437	12:00:42	51290.0	438	12:00:46	51294.8
439	12:00:50	51289.9	441	12:12:12	51291.9
440	12:12:09	51288.2	443	12:12:20	51292.0
442	12:12:17	51288.4	445	12:12:28	51292.2
444	12:12:25	51288.2	447	12:12:36	51292.2
446	12:12:33	51288.4	449	12:12:45	51291.8
448	12:12:41	51288.3	651	12:32:46	51295.9
650	12:32:43	51291.6	653	12:32:54	51295.9
652	12:32:51	51291.9	655	12:33:03	51295.7
654	12:32:59	51292.5	657	12:33:11	51295.9
656	12:33:08	51292.4	659	12:33:19	51295.9
658	12:33:15	51292.1	661	12:41:51	51296.0
660	12:41:48	51292.9	663	12:41:59	51296.3
662	12:41:56	51293.0	665	12:42:08	51296.4
664	12:42:04	51292.8	667	12:42:16	51296.4
666	12:42:13	51292.8	669	12:42:24	51295.3
668	12:42:21	51293.0	821	12:57:26	51299.0
820	12:57:23	51294.3	823	12:57:34	51299.1
822	12:57:31	51294.5	825	12:57:42	51298.9
824	12:57:39	51294.5	827	12:57:50	51299.1
826	12:57:47	51294.5	829	12:57:58	51299.0
828	12:57:55	51294.6	831	13:19:18	51299.6
830	13:19:14	51298.5	833	13:19:26	51299.2
832	13:19:23	51298.5	836	13:19:38	51299.6
834	13:19:31	51298.2	838	13:19:47	51300.3
837	13:19:44	51298.1	1033	13:39:23	51302.1
1031	13:39:16	51297.5	1035	13:39:32	51302.3
1034	13:39:28	51297.6	1037	13:39:41	51302.3

1036	13:39:37	51297.7	1039	13:39:49	51302.3
1038	13:39:46	51297.9	1041	13:39:58	51302.1
1040	13:39:55	51298.1	1043	13:48:56	51303.1
1042	13:48:53	51300.1	1045	13:49:07	51303.4
1044	13:49:04	51300.1	1047	13:49:16	51303.5
1046	13:49:13	51300.2	1049	13:49:25	51303.5
1048	13:49:22	51299.9	1051	13:49:34	51302.6
1050	13:49:30	51299.9	1151	14:00:29	51304.7
1150	14:00:26	51301.3	1153	14:00:38	51304.5
1152	14:00:34	51301.3	1155	14:00:47	51304.5
1154	14:00:43	51301.6	1157	14:00:55	51304.6
1156	14:00:52	51301.6	1159	14:01:05	51304.8
1158	14:01:02	51302.0

DAY 264 Diurnal Variation

TOP SENSOR			BOTTOM SENSOR		
Sta.	Time	Field	Sta.	Time	Field
415	11:33:34	51415.9	414	11:33:30	51371.1
417	11:33:42	51415.9	416	11:33:39	51371.2
419	11:33:50	51416.7	418	11:33:47	51371.1
421	11:33:58	51416.3	420	11:33:55	51371.0
423	11:34:07	51415.6	422	11:34:03	51370.9
625	11:55:19	51411.0	624	11:55:16	51363.7
627	11:55:27	51409.2	626	11:55:24	51363.7
629	11:55:35	51410.1	628	11:55:32	51363.6
631	11:55:44	51410.2	630	11:55:40	51363.7
633	11:55:52	51410.5	632	11:55:48	51363.6
833	12:24:41	51416.0	832	12:24:38	51369.5
835	12:24:49	51415.8	834	12:24:46	51369.7
837	12:24:57	51415.9	836	12:24:54	51370.0
839	12:25:05	51415.8	838	12:25:02	51369.8
841	12:25:13	51416.0	840	12:25:10	51370.0
1043	12:56:24	51421.2	1042	12:56:21	51371.5

1045	12:56:33	51420.8	1044	12:56:30	51371.7
1047	12:56:42	51420.6	1046	12:56:38	51371.7
1049	12:56:50	51420.6	1048	12:56:47	51371.8
1051	12:56:59	51419.1	1050	12:56:56	51371.8
1253	13:31:15	51419.7	1252	13:31:12	51370.4
1255	13:31:23	51419.6	1254	13:31:20	51370.5
1257	13:31:32	51419.0	1256	13:31:29	51370.7
1259	13:31:41	51419.0	1258	13:31:37	51370.3
1261	13:31:49	51419.5	1260	13:31:46	51370.3

DAY 265 Diurnal Variation

TOP SENSOR			BOTTOM SENSOR		
Sta.	Time	Field	Sta.	Time	Field
1	11:30:10	51326.2	0	11:30:07	51340.2
3	11:30:19	51327.2	2	11:30:15	51338.9
5	11:30:27	51324.5	4	11:30:24	51337.0
7	11:30:34	51324.6	6	11:30:31	51335.4
9	11:30:43	51324.5	8	11:30:39	51335.3
211	12:00:54	51329.9	210	12:00:51	51335.1
213	12:01:02	51329.8	212	12:00:59	51334.7
215	12:01:11	51330.4	214	12:01:07	51335.4
217	12:01:19	51330.8	216	12:01:16	51335.5
219	12:01:27	51330.4	218	12:01:24	51335.7
421	12:37:52	51330.8	420	12:37:49	51338.9
423	12:38:01	51330.6	422	12:37:57	51338.8
425	12:38:09	51330.9	424	12:38:06	51338.9
427	12:38:17	51331.3	426	12:38:14	51339.4
429	12:38:25	51331.1	428	12:38:22	51338.6
581	12:53:23	51333.5	580	12:53:20	51338.8
583	12:53:31	51333.6	582	12:53:28	51338.8
585	12:53:39	51333.8	584	12:53:36	51339.0
587	12:53:47	51334.2	586	12:53:44	51339.3
589	12:53:55	51331.4	588	12:53:52	51342.6

DAY 265 Diurnal Variation

TOP SENSOR