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Induced Polarization Survey
in the
Bell Area
Yavapai County, Arizona

for

The Superior Oil Company
Minerals Division

September 1975

by

GEOEX

GEOEX Job #1026

INDUCED POLARIZATION SURVEY

in the

BELL AREA

YAVAPAI COUNTY, ARIZONA

for

THE SUPERIOR OIL COMPANY

MINERALS DIVISION

September 1975

by

Heinrichs GEOEXploration Company
P.O. Box 5964, Tucson, Arizona 85703

STRATHMORE ONION SKIN
25% COTTON FIBER U.S.A.

GEOEX Job #1026

CONTENTS

Page

Introduction---------- 1
Conclusions and Recommendations---------- 1
Interpretation---------- 2
Procedures---------- 4

Comments on Drilling IP Targets

Sectional Data Sheets (all 200' dipoles except as noted)
- Line 4S
- Line 8S
- Line 12S
- Line 16S
- Line 20S
- Line 24S
- Line 24S (Spread 2, 100' dipoles)
- Line 26S (100' dipoles)
- Line 28S
- Line 28S (Spread 2, 100' dipoles)
- Line 32S
- Line 36S
- Line 40S
- Line 59N
- Line N (Spreads 1, 2 & 3)

In Map Pocket
- Induced Polarization Location and Interpretation Plan

STRATHMORE UNION SKIN
25% COTTON FIBER U.S.A.

INTRODUCTION

At the request of Mr. Ted Eyde, Senior Geologist of The Superior Oil Company, Minerals Division, Heinrichs GEOEXploration Company completed an induced polarization (IP)survey of a portion of the Bell Area, Yavapai County, Arizona. The field work on this project was done during the interim July 9, 1975, through August 19, 1975, with Bill Hurley as crew chief, supervised by Walter E. Heinrichs, Jr., President, and Chris S. Ludwig, Chief Geophysicist.

The purpose of this work was to detect and delineate any significant subsurface sulfide zones in a potential massive sulfide volcanogenic environment, while partially fulfilling the State of Arizona annual prospecting requirements. The State lands involved are Sections 26 and 36 in T.13N., R.1E. and Section 2, T.12N., R.1E.

CONCLUSIONS AND RECOMMENDATIONS

No significant appearing IP response is seen correlating with the geochemically anomalous silicified-pyritic zone. However, three generally north-south subparallel zones of anomalous IP response were delineated in the gridded area, two east of and one west of the silicified-pyritic zone as shown on the interpretation plan map accompanying this report. Also, an anomaly is noted on the extreme north end of the area near the baseline.

These zones of anomalous IP response range in strength from very weak to moderate. In general, they have no correlating strong resistivity lows or anomalous self potential response and do not appear to be "typical" massive sulfide polarizers. In at least the moderate strength central IP anomaly on and near Line 26S, magnetite in the interbedded ferruginous cherts and slates would appear to be in part or even entirely the probable cause of the anomalous IP. In that the rest of the IP anomalism on the property has similar characteristics, magnetite could be the cause of this response also. Of course, pyrite and other ore sulfides or even graphite could be contributing factors in any of the anomalous IP zones and these polarizable materials can not be completely ruled out at this stage - just downgraded on a probability basis relative to magnetite.

For the sake of completeness, some drilling should be considered to test the anomalous IP response at depth. Three initial drill targets are suggested, two to test the moderate strength anomaly and one to test the weak anomaly west of the main ridge. Assuming a steep westerly dip, the recommended drill holes are all angled -60° to the east for a more efficient intersection and sampling of the zones of interest.

The moderate strength central IP anomaly is seen to have two parts based on the more detailed 100 foot dipole coverage at least on Lines 24S and 26S. To test the west moderate anomaly, proposed drill hole #1 is recommended near 2W on Line 26S and should be programmed for about 300 feet total length to obtain a representative intersection of the zone of interest and allow for some adverse dip and strike variations. The east moderate anomaly could be similarly tested by proposed drill hole #2 at 0.5E on Line 26S and should also be drilled to about 300 feet total length.

The weak anomaly west of the main ridge could be tested by proposed drill hole #3 collared near 10W on Line 28S. Ideally, this zone should be detailed by several 100 foot dipole traverses before drilling. However, a drill hole in this area could serve an additional purpose in that it would also sample the down-dip projection of the strong geochemical multi-element anomaly in the silicified-pyritic zone near the south end of the main ridge. If both targets are being considered, a programmed length of about 800 feet may be necessary depending on steepness of the westerly dip. To test just the IP target, 400 feet should suffice. Please refer to the appended "Comments on Drilling IP Targets" for additional drilling considerations.

Depending on the degree of encouragement obtained in this initial drilling, additional targets can be selected by reference to the interpretation plan. In some cases it would be preferable to do a limited amount of IP detailing with 100 foot dipoles and lines spaced about 200 feet apart. Also, the weak anomaly near 0-E/W on Line 59N could be further tested by additional IP gridding mainly to the north.

Some consideration should be given to obtaining magnetic coverage in that it could help in sorting out sulfide IP polarizers from magnetite zones. A test magnetic traverse along Line 26S shows direct magnetic correlation with the IP anomalism. And, in the case of the strong magnetic high observed near 3E, ferruginous outcrop was not obvious due to local cover. Of course, magnetics may be helpful in defining and extrapolating certain geologic structures and rock types.

INTERPRETATION

The IP response in the gridded area is quite complex in appearance on most of the traverses although, in plan, there appears to be considerable north-south continuity of response and three main subparallel anomalous zones are defined. Two of these zones are east of the silicified-pyritic ridge and one lies to the west of the ridge. The silicified-pyritic zone does not give an anomalous IP response. This lack of response could be due to the mineralized zone being too narrow or weakly mineralized or too deeply oxidized to cause an appreciable IP effect. It is also possible that the electrical insulating effect of the silicification has diminished the IP response of any sulfide present.

The complexity of response is due in part to the steeply dipping, narrow, banded nature of the different rock types involved coupled with terrain effects. And, the IP and resistivity trends do appear to parallel approximately the geology as mapped.

Most of the IP response suggests a shallow depth of burial, say less than 60 feet. The detailed 100 foot dipole coverage suggests less than 30 feet to the top of the responsive source. Most of the anomalism appears to be reflecting sources less than or approximately one dipole dimension in width. Suggested dips are steeper than 45° although in the rough terrain involved, this is a difficult parameter to estimate. The depth persistance of the IP response appears good and the anomalous polarizers likely extend to at least one dipole below surface if not considerably more.

Much of the anomalous IP response has only a slightly reduced associated resistivity, and, with reported magnetite bearing ferruginous cherts and slates mapped near the zones of interest, it was felt that poorly conductive but polarizable magnetite could be a factor. Therefore a magnetometer traverse was run along Line 26S which crosses the central and strongest IP trend. A 4000 gamma magnetic high and outcropping magnetite bearing rock were found to directly correlate with the moderate IP anomaly centered near 1W. A broader 6000 gamma magnetic high peaking at 3E in a local alluvial covered area appears to borrelate in part with the weak to moderate IP anomaly between 1E and 2.5E.

No significant appearing anomalous self potentials typical of shallow massive sulfides are noted on either portion of the zone of moderate strength anomalism or for that matter, anywhere on the survey. The minor self potential variations recorded could be caused simply by the topography and rock type changes present.

Considering all of these factors tends to enhance the feeling that magnetite may be responsible for much or even all of the anomalous IP response in the area. However, pyrite and other metallic lustered sulfides and oxides or graphite could be contributing to the response and can not be completely ruled out at this stage.

Recorded strength of the IP response is compatible with magnetite or sulfide mineralization. The narrow, unknown widths involved make it impractical to determine a volume percent polarizer concentration however it is roughly estimated that in the moderate strength zones at least 2 percent by volume sulfide or 4 percent by volume magnetite is involved.

The gridded area shows the anomalous zones to be open-ended both to the north and south but with only very weak response. The moderate strength zone is well surrounded and is reasonably well detailed by the 100 foot dipole coverage on Lines 24S, 26S and 28S.

The detail coverage shows the moderate IP anomaly to consist of two distinct zones separated about 200 to 400 feet apart. The west moderate zone is persistent in strength and character on all three lines whereas the east moderate anomaly is only well developed on Line 26S - decreasing to weak on Line 24S and almost absent on Line 28S.

Line N was run north-south approximately along the silicified-pyritic zone for about one mile north of the gridded area. No anomalous IP was noted except for very weak to weak effects at depth on the extreme north end of the line. This anomalism correlates with a weak but well defined anomaly centered near the baseline on Line 59N. Depth of burial is roughly estimated to be about 150 feet. A band of ferruginous material is mapped about 300 feet to the north and if it extends south at depth, it may well be the cause of the anomalism.

PROCEDURES

A GEOEX Mark 7 multi-frequency IP system was employed to obtain this coverage and used a sending frequency pair of 0.3 and 3.0 hz. The standard collinear dipole-dipole array was used with "spreads" of seven sending electrodes each and 200 and 100 foot dipole lengths. Lines 4S through 40S and Line 59N were all oriented east-west and Line N was oriented north-south. The stations and line designations are in hundreds of feet relative to a coordinate origin located at the SW corner of Section 36, T.13N., R.1E.

Spreads 1, 2 and 3 of Line N and Line 59N required completely portable access to execute. A horse furnished by the Bell Ranch, helped considerably to expedite the most difficult parts.

All coverage was obtained with 200 foot dipoles except for Line 26S and Spread 2 of Lines 24S and 28S which used a more detailed 100 foot dipole spacing. Sending-receiving dipole separations range from 1 to 6 dipole lengths on all spreads and, typically, this should give resolvable depth penetration within the zone from about 1/3 dipole length to as much as about 2 dipole lengths. On the 200 foot dipole spreads, for example, the penetration would range from about 60 feet to as much as 400 feet below surface. The 100 foot dipole spreads would have only about one-half the penetration but twice the resolution as the 200 foot dipole spreads.

The magnetic data along Line 26S was taken with a GeoMetrics G-816 proton precession total field magnetometer using an eight foot sensor staff.

The data are presented on "sectional" data sheets, one for each spread, showing from top to bottom; resistivity, percent frequency effect (PFE), and metallic conduction factor (MCF) contoured in "sectional" form. Self potential readings taken in conjunction with the IP readings and the magnetic data for Line 26S are shown at the bottom of the respective sheets in profile form. An "Induced Polarization Location and Interpretation Plan" is also included and shows the surface projected plan interpretation at a scale of 1:12,000 to overlay the geology and geochemical plans of the area.

Respectfully submitted,

Heinrichs GEOEXploration Company

Chris S. Ludwig

Chris S. Ludwig
Chief Geophysicist

STRATHMORE ORIGINAL
25% RECYCLED FIBER USA

CSL:mt

GEOEX Job #1026
19 September 1975
P.O. Box 5964
Tucson, AZ 85703

COMMENTS ON DRILLING I.P. TARGETS

To maximize the probability that a recommended drill hole will intersect the source of an induced polarization anomaly, the following points should be considered:

1. The anomaly has been caused by some physical property, hopefully a polarizable body containing economically interesting metallic mineralization, and this property should be determined before abandoning the anomaly.

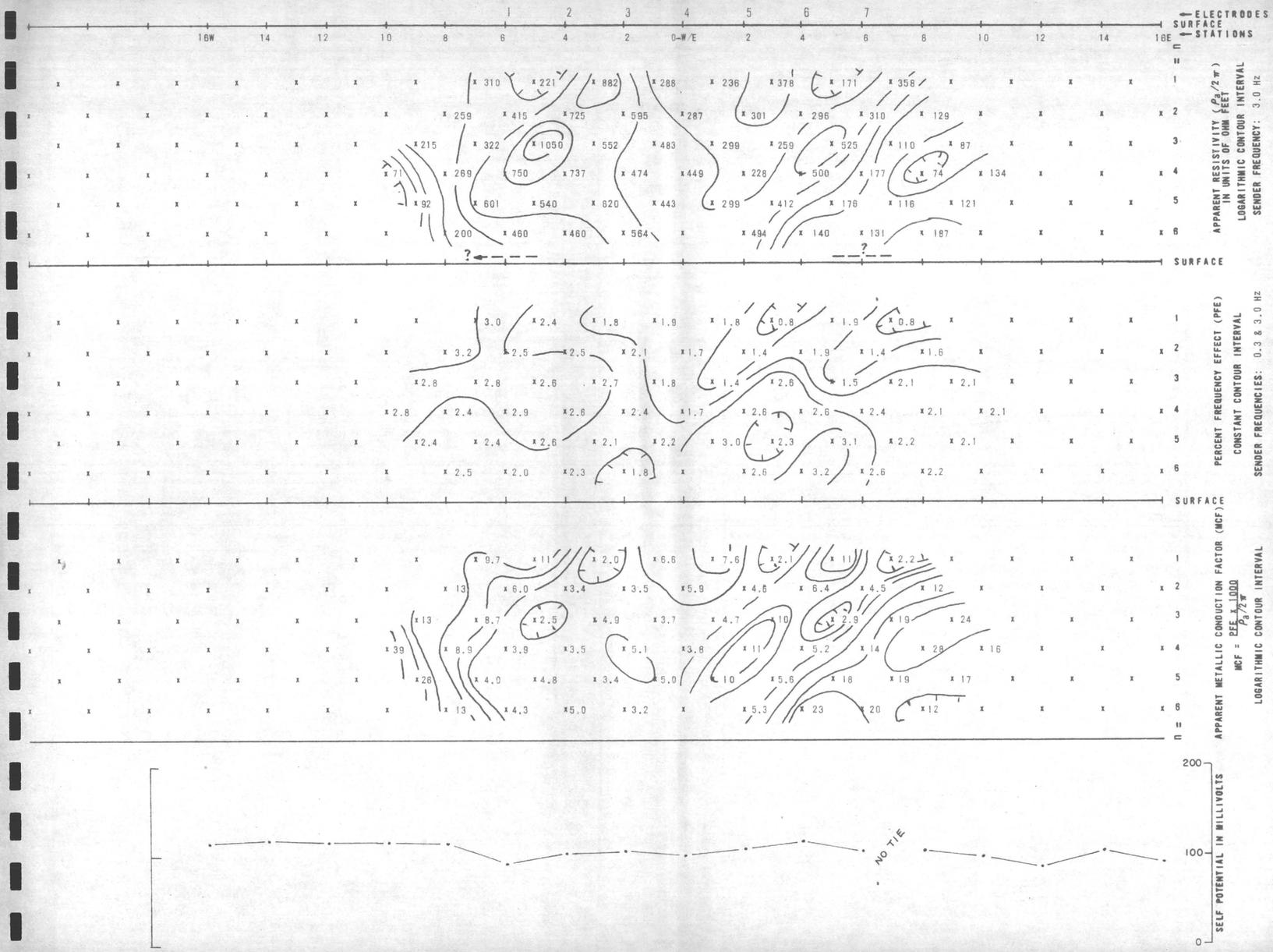
2. Location of drill holes should be made relative to the actual sending and receiving electrode positions as they exist on the ground.

3. Due to inherent limitations in the I.P. method, depth interpretations are only approximate and the determination of dip is severely limited, particularly for angles greater than 45°. Also, targets can generally be laterally resolved no finer than the station spacing (dipole length). Because of these limitations, targets less than one dipole spacing in width, particularly when steeply dipping or deeper than the dipole length, may be difficult to intersect. In these cases, several drill holes in a fence line should be considered. For the steeply dipping cases, angle drilling may also prove advantageous, mainly where the direction of dip can be geologically inferred and the drill hole oriented such that an optimum intersection of the zone of interest is obtained.

4. An observed anomaly can be the effect of a polarizable body laterally offset to the side of a line and therefore, if practical, drilling should be confined to those portions of the anomalous zones well defined by several lines. Also, it should be noted that a single line cannot define the strike direction of an elongate anomalous zone - another reason for utilizing several parallel lines.

5. Logging of the drill core must be done with special care to note the quantity of <u>all</u> possible polarizable material such as pyrite, graphite, magnetite, manganese oxides and clay minerals as well as the polarizable ore minerals. The anomalous source could conceivably be overlooked if the core is not carefully logged.

6. Typical sections of core representing the gross physical properties of material encountered in the drilling should be tested in the laboratory for their I.P. parameters, if there is some doubt about confirmation of the anomalous source.



1026-75

LINE NO. 4S

SPREAD(S) 1

BEARING E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA

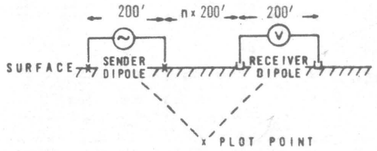
for

THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

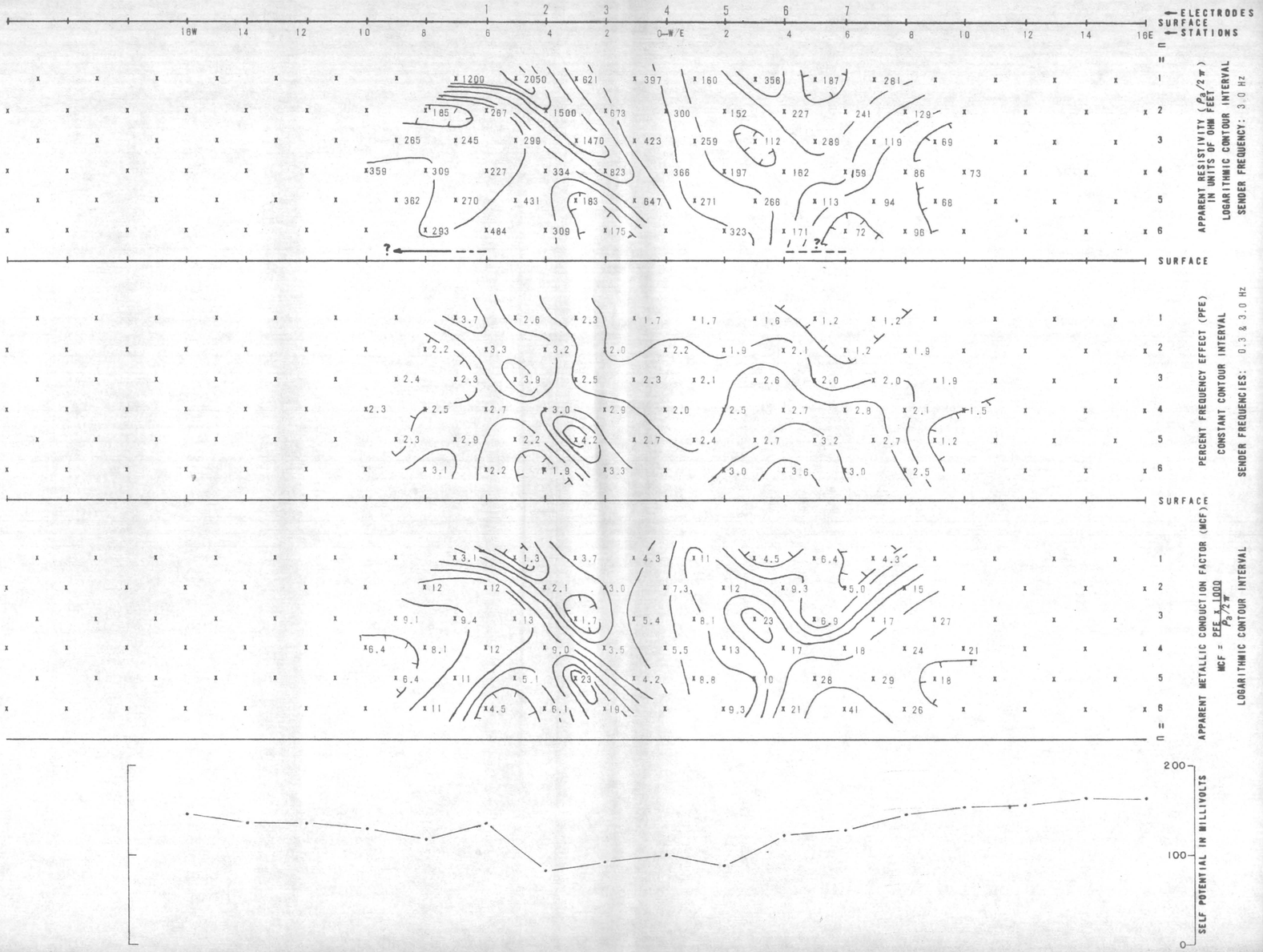
DIPOLE-DIPOLE ELECTRODE ARRAY



DATE

JULY 1975

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5964, TUCSON, ARIZ., 85703, PHONE: (602)623-0578



1026-75

LINE NO.
8S
SPREAD(S)
I
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

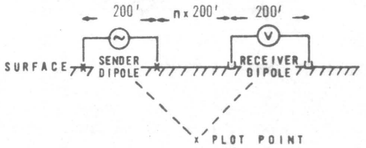
of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK | WEAK | MODERATE | STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



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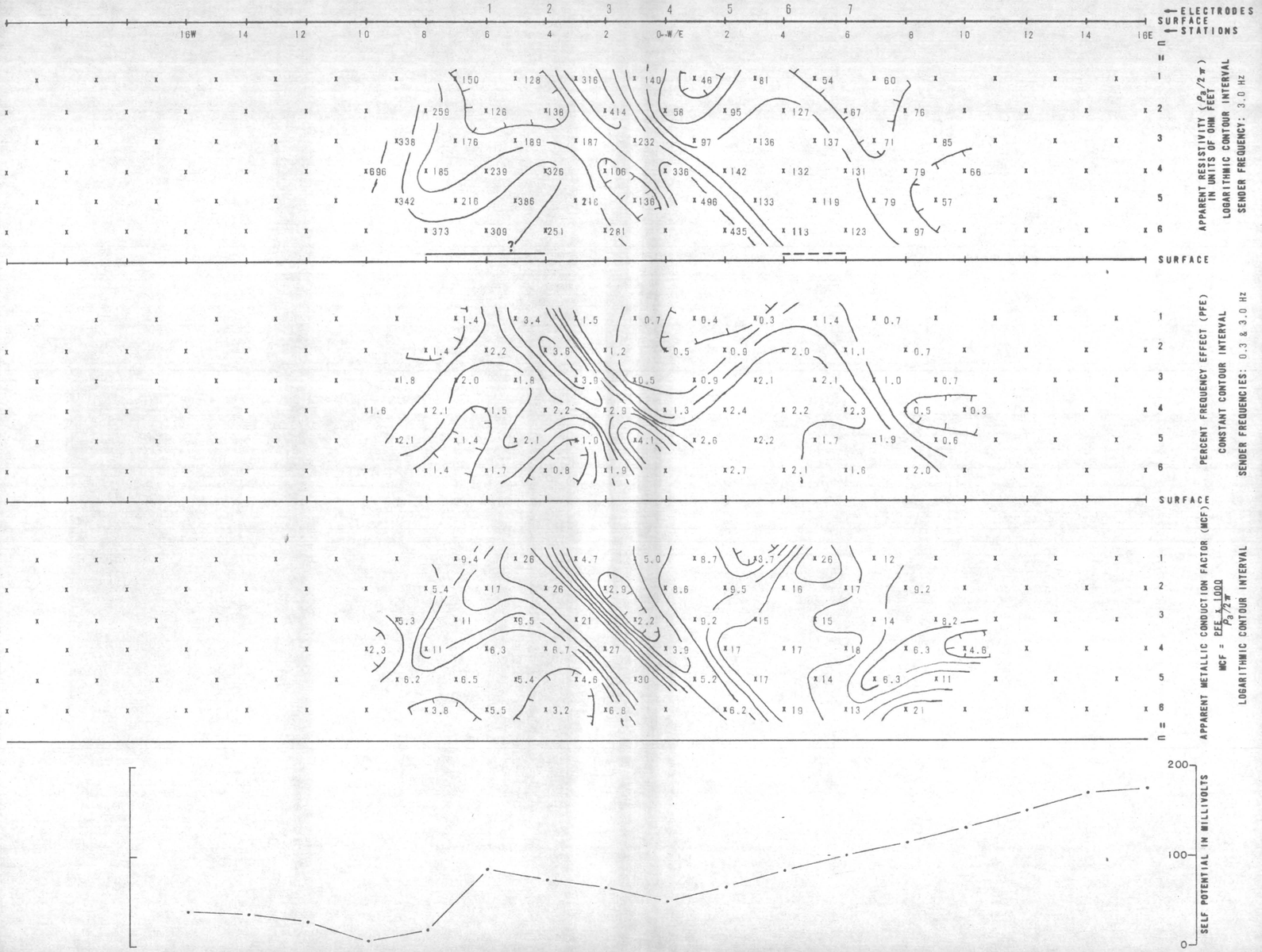


1026-75

LINE NO.
12S
SPREAD(S)
1
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

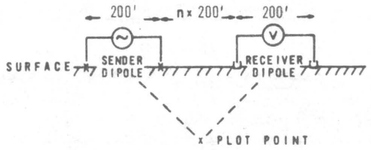
of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



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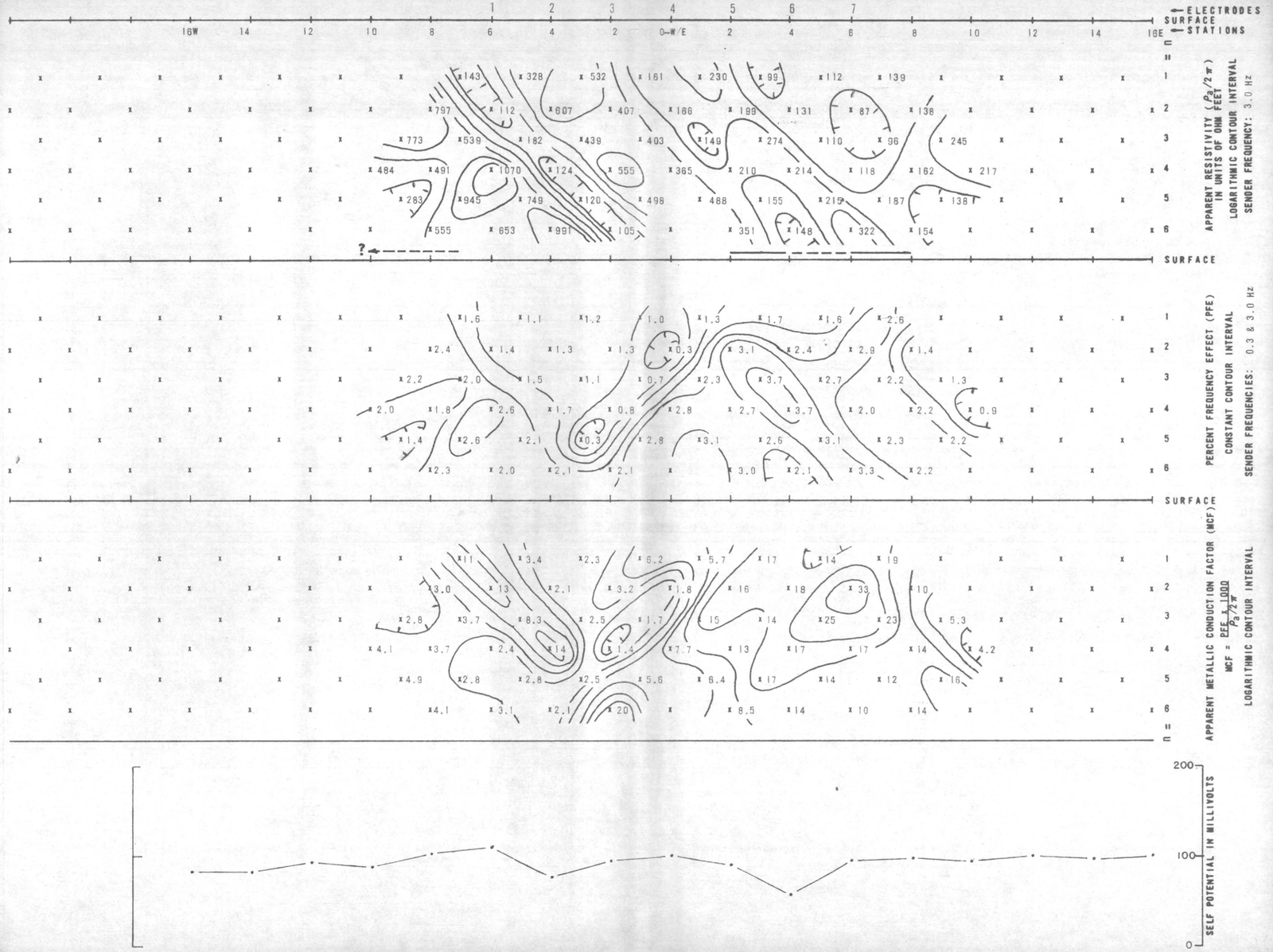


1026-75

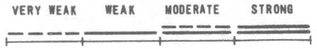
LINE NO.
16S
SPREAD(S),
1
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

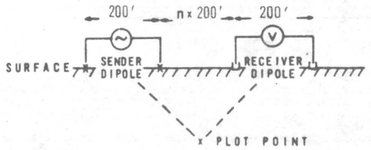
of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH



DIPOLE-DIPOLE ELECTRODE ARRAY



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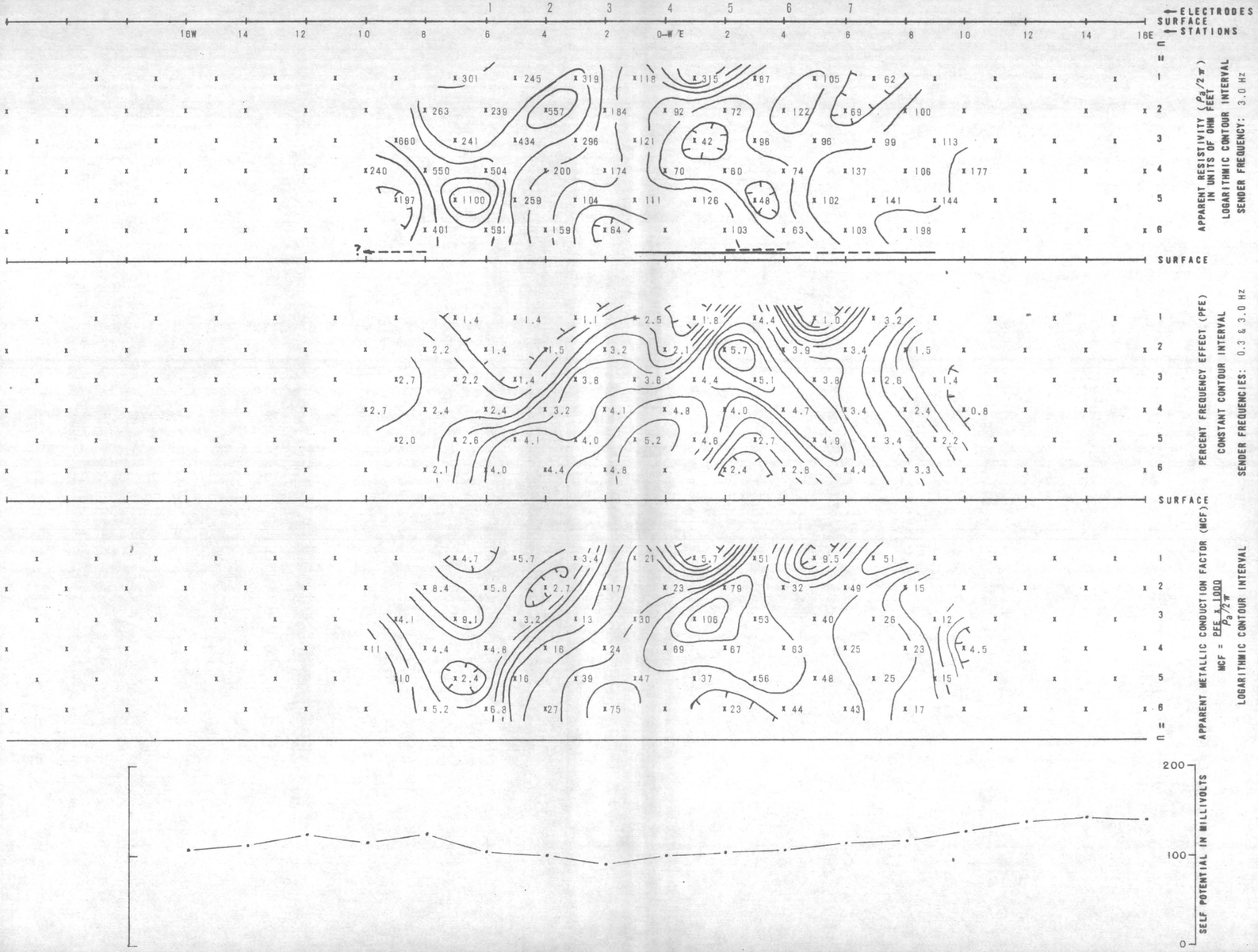


1026-75

LINE NO.
20S
SPREAD(S)
1
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

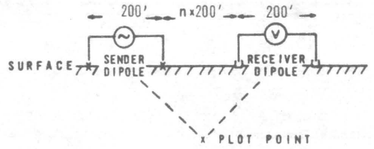
of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



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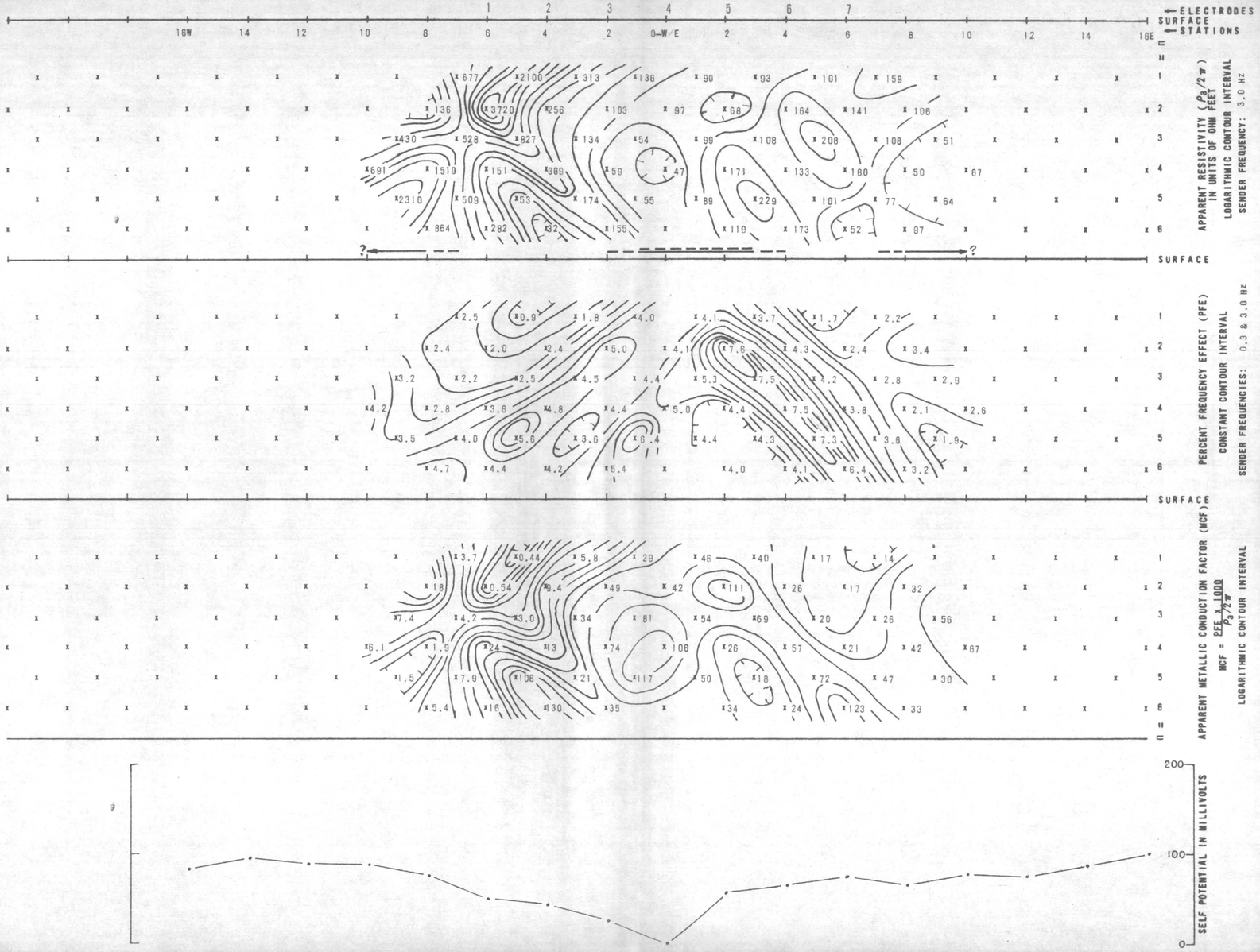


1026-75

LINE NO.
24S
SPREAD(S)
1
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

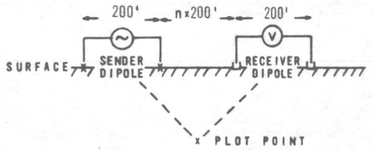
of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



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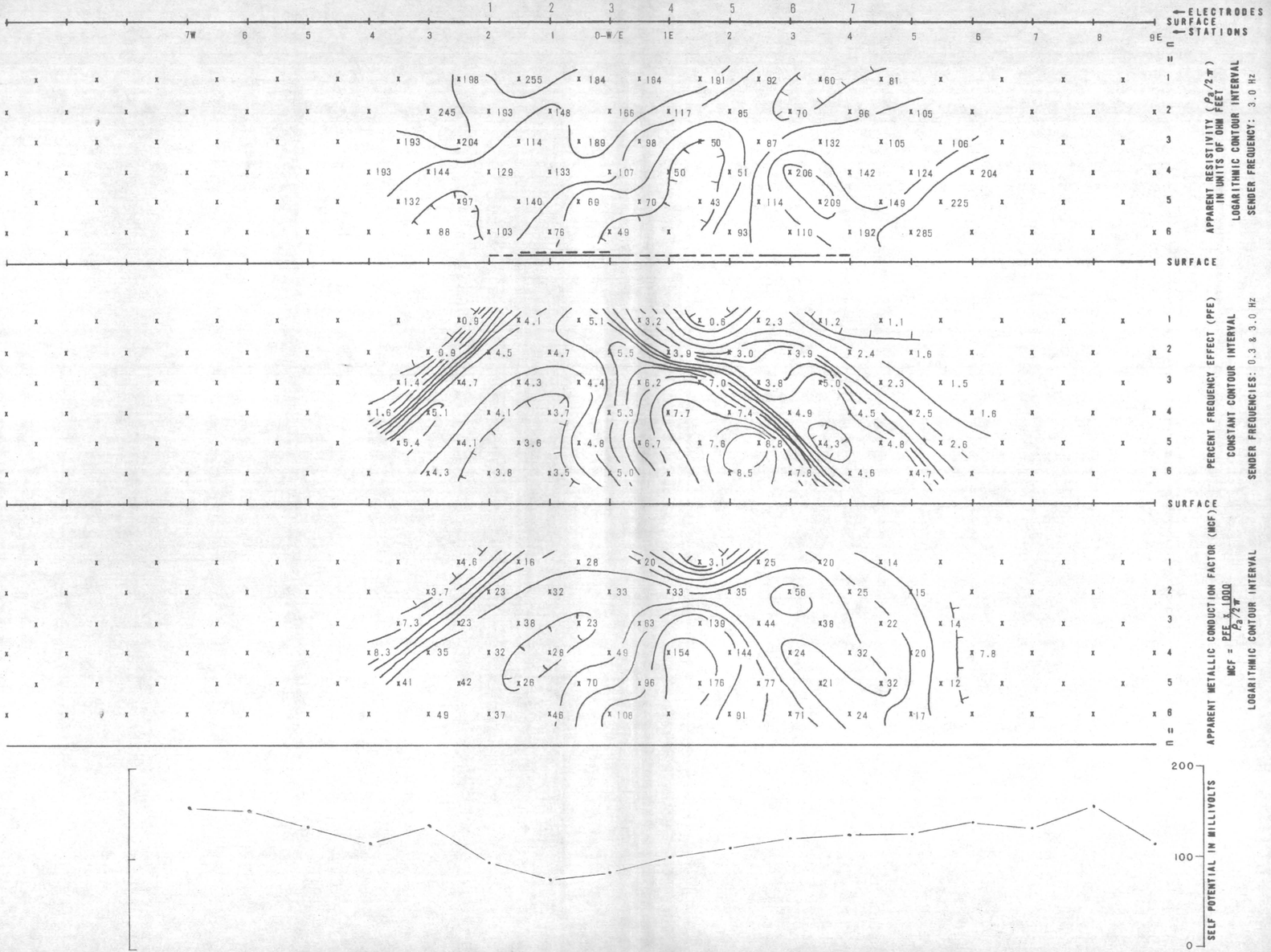


1026-75

LINE NO.
24S
SPREAD(S)
2
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA

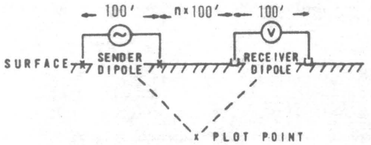
for

THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK | WEAK | MODERATE | STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



DATE
AUGUST 1975

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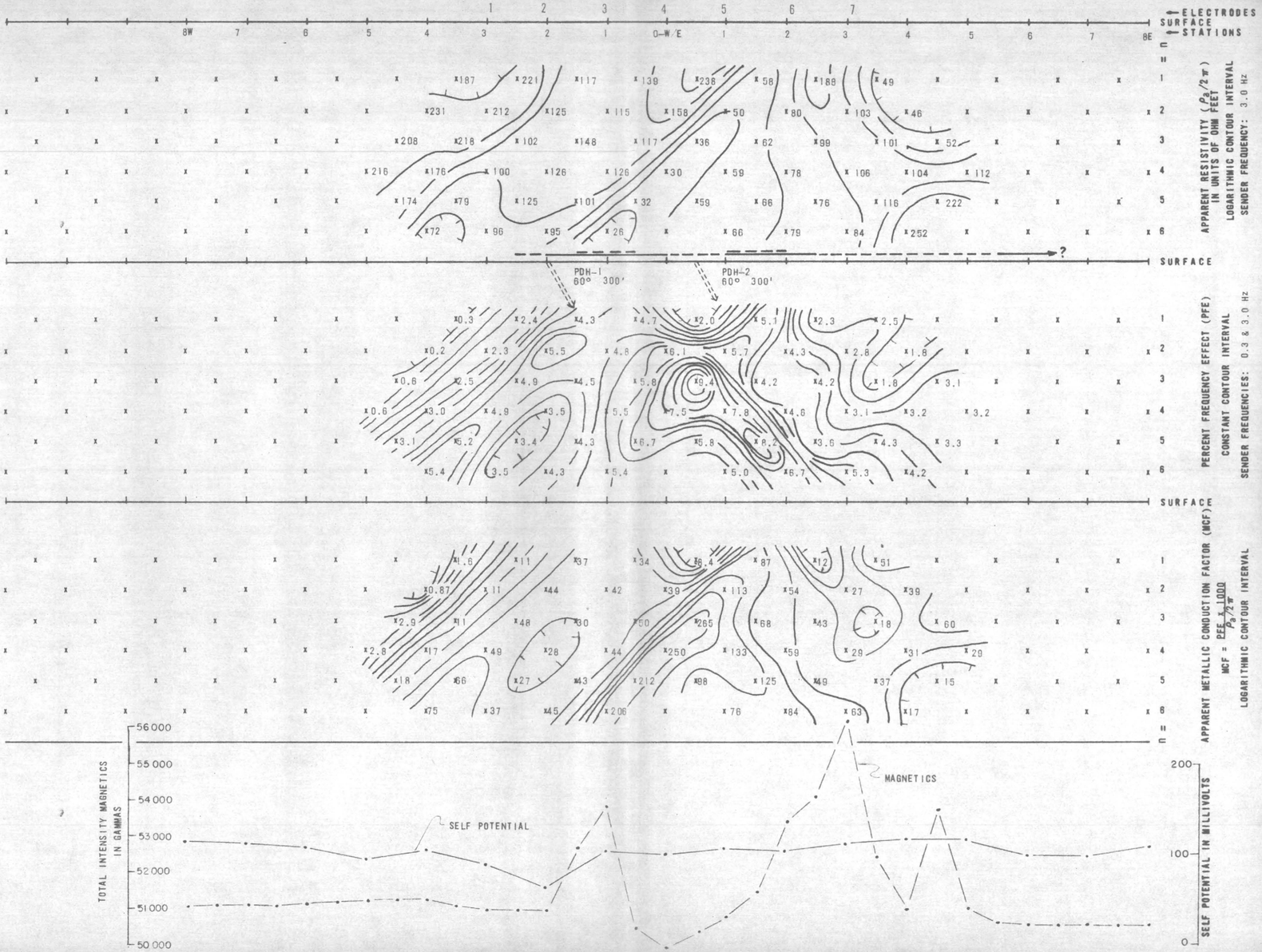


1026-75

LINE NO. 26S
SPREAD(S) I
BEARING E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

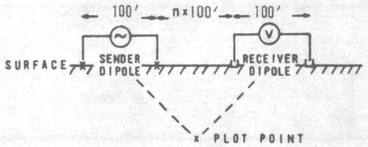
of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK | WEAK | MODERATE | STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



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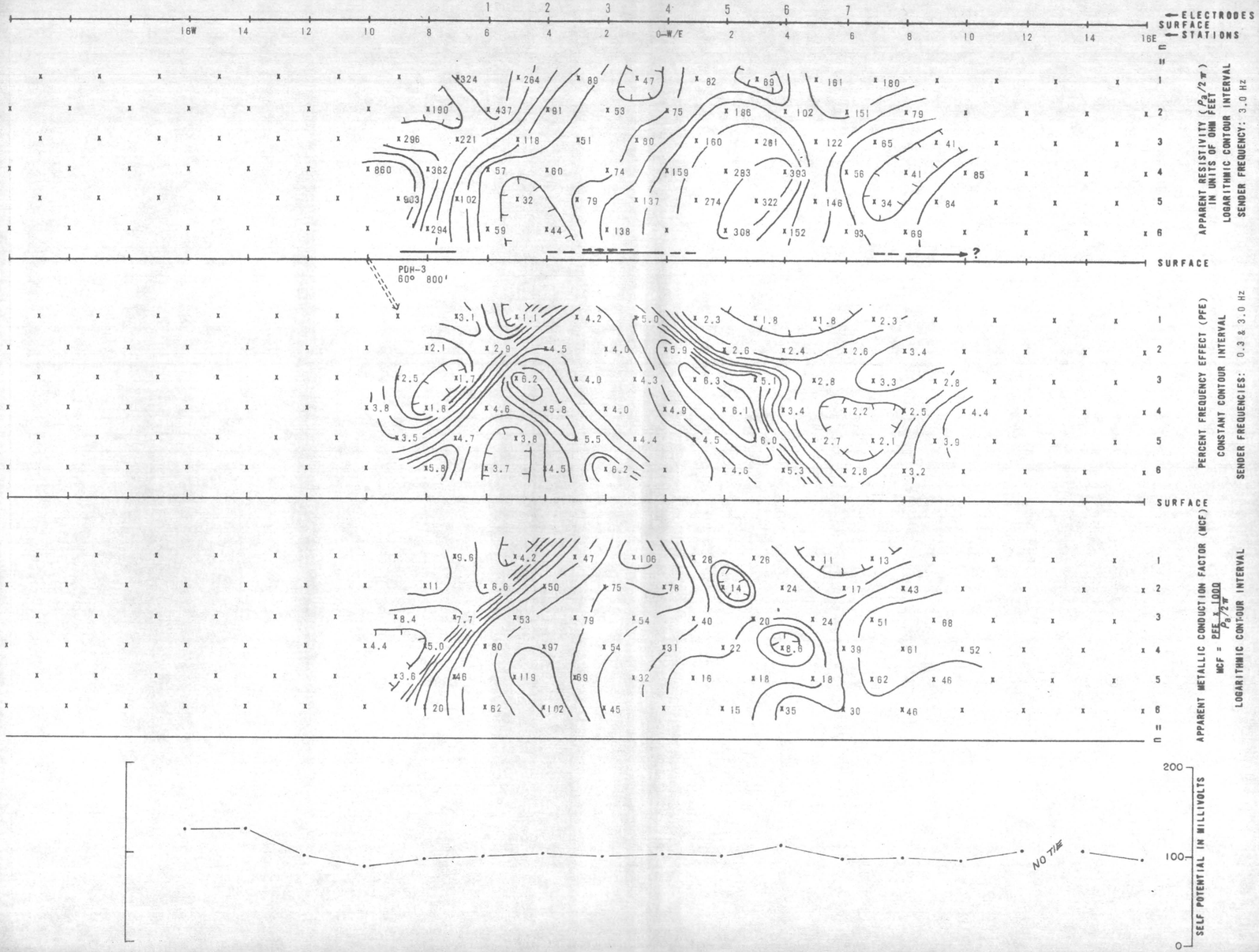


1026-75

LINE NO.
28S
SPREAD(S)
I
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA

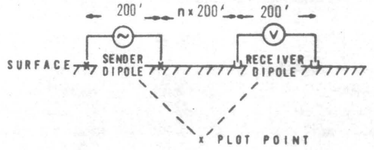
for

THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



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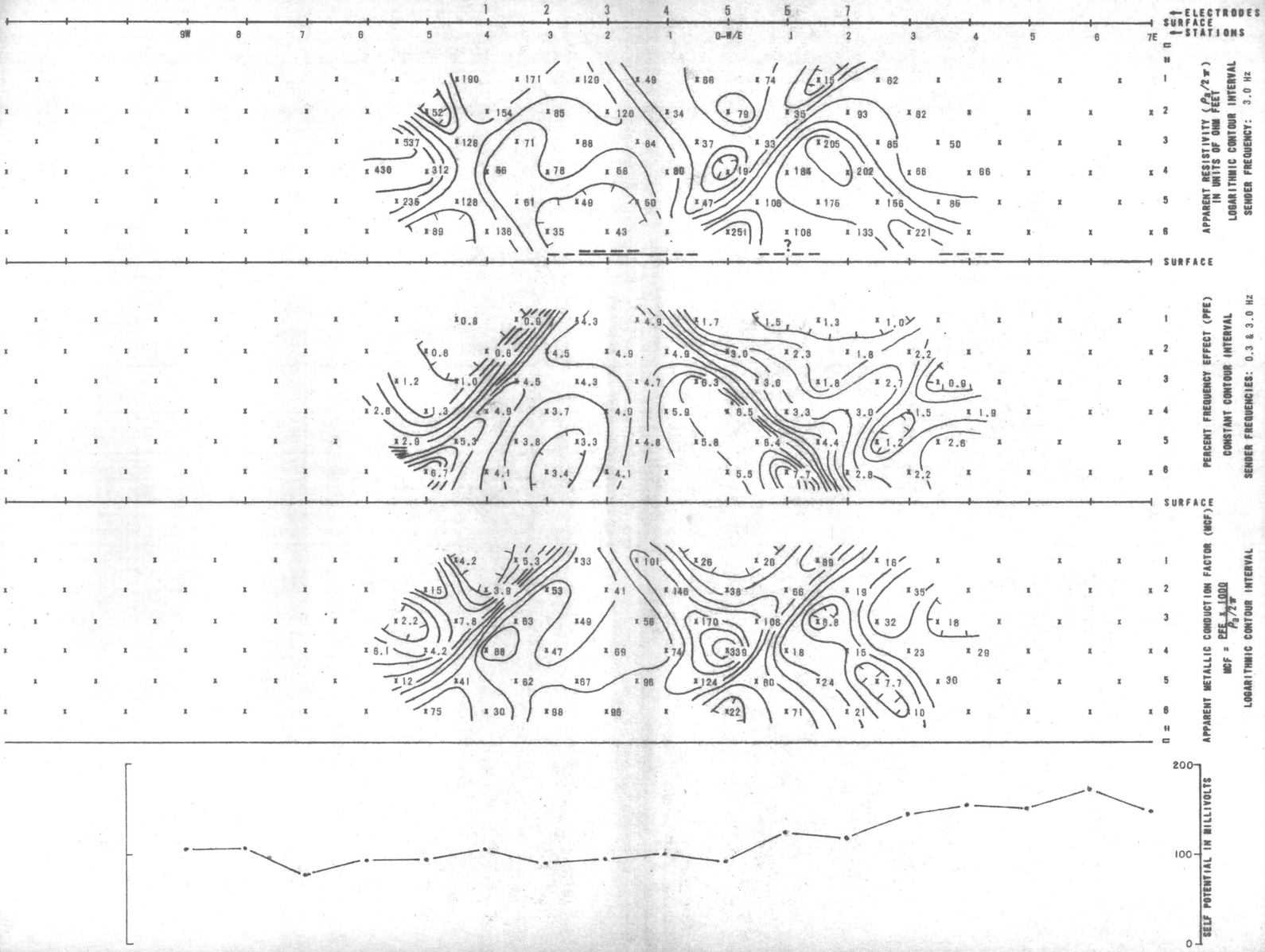


1028-75

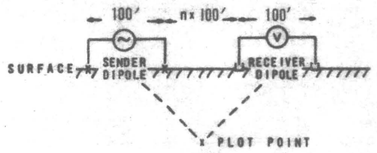
LINE NO.
28S
SPREAD(S)
2
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET of THE BELL AREA YAVAPAI COUNTY, ARIZONA for THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

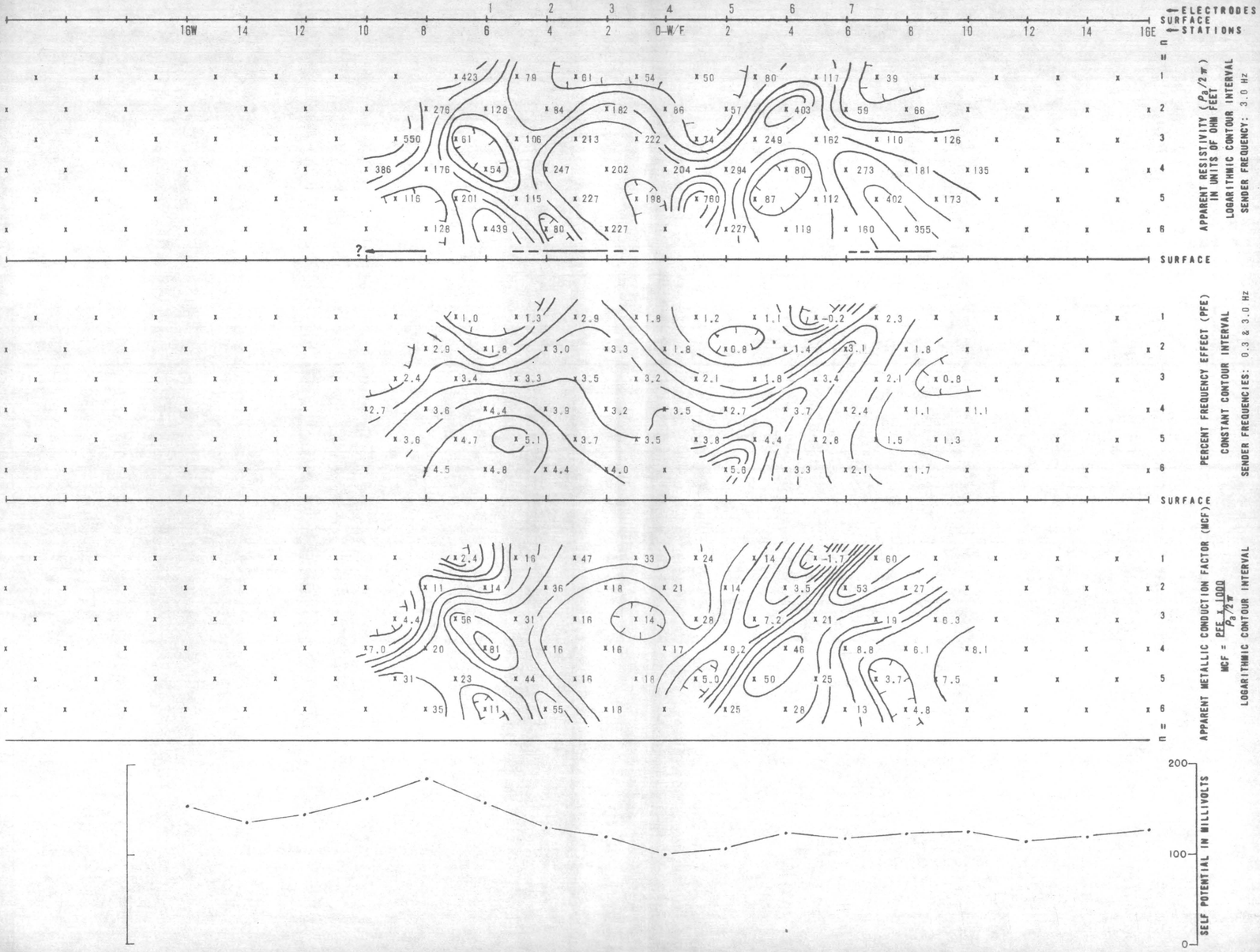
VERY WEAK | WEAK | MODERATE | STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



DATE
AUGUST 1975

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5964, TUCSON, ARIZ., 85703, PHONE: (602)623-0578



1026-75

LINE NO.
32S
SPREAD(S)
1
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

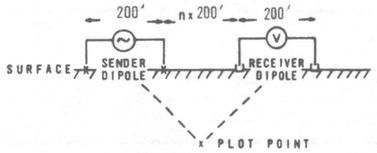
of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

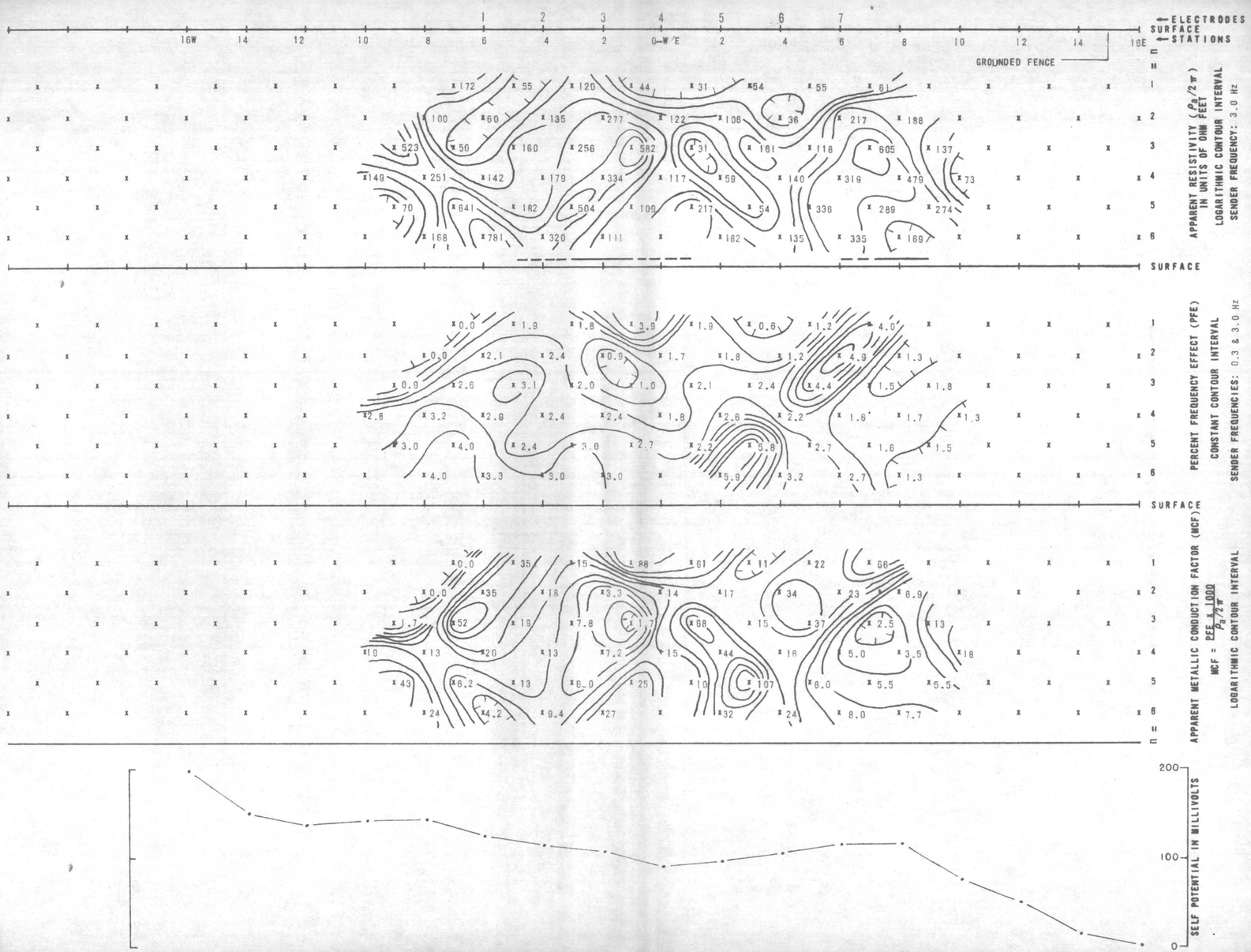
VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



DATE
JULY 1975

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5964, TUCSON, ARIZ., 85703, PHONE: (602)623-0578



1026-75

LINE NO.
36S
SPREAD(S)
1
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

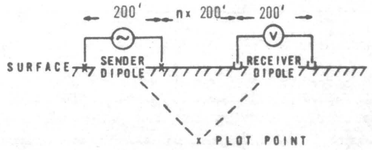
of

THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

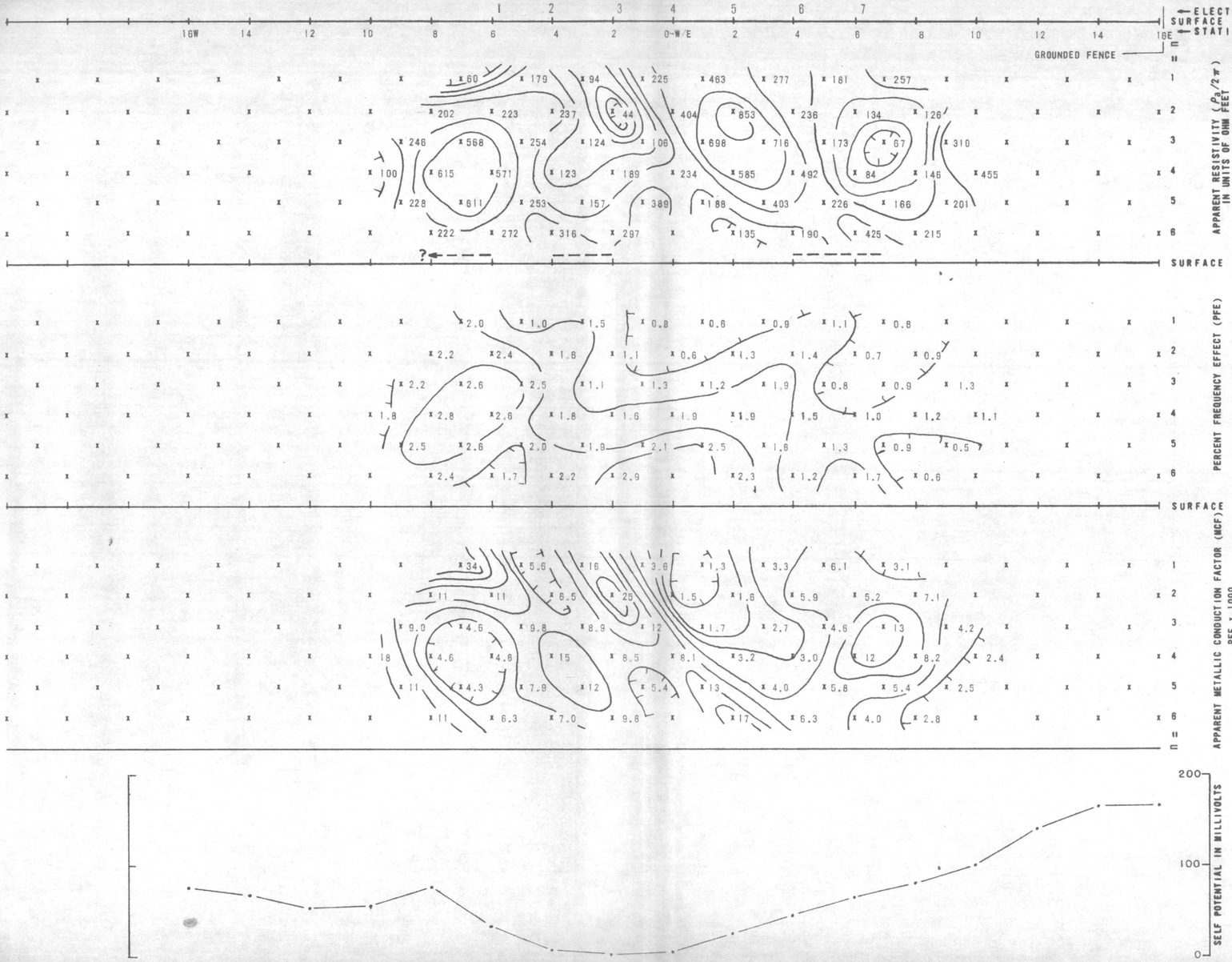
VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



DATE
JULY 1975

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5964, TUCSON, ARIZ., 85703, PHONE: (602)623-0578



1026-75

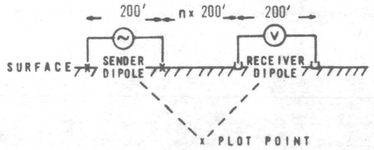
LINE NO.
40S
SPREAD(S)
1
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET of THE BELL AREA YAVAPAI COUNTY, ARIZONA for THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

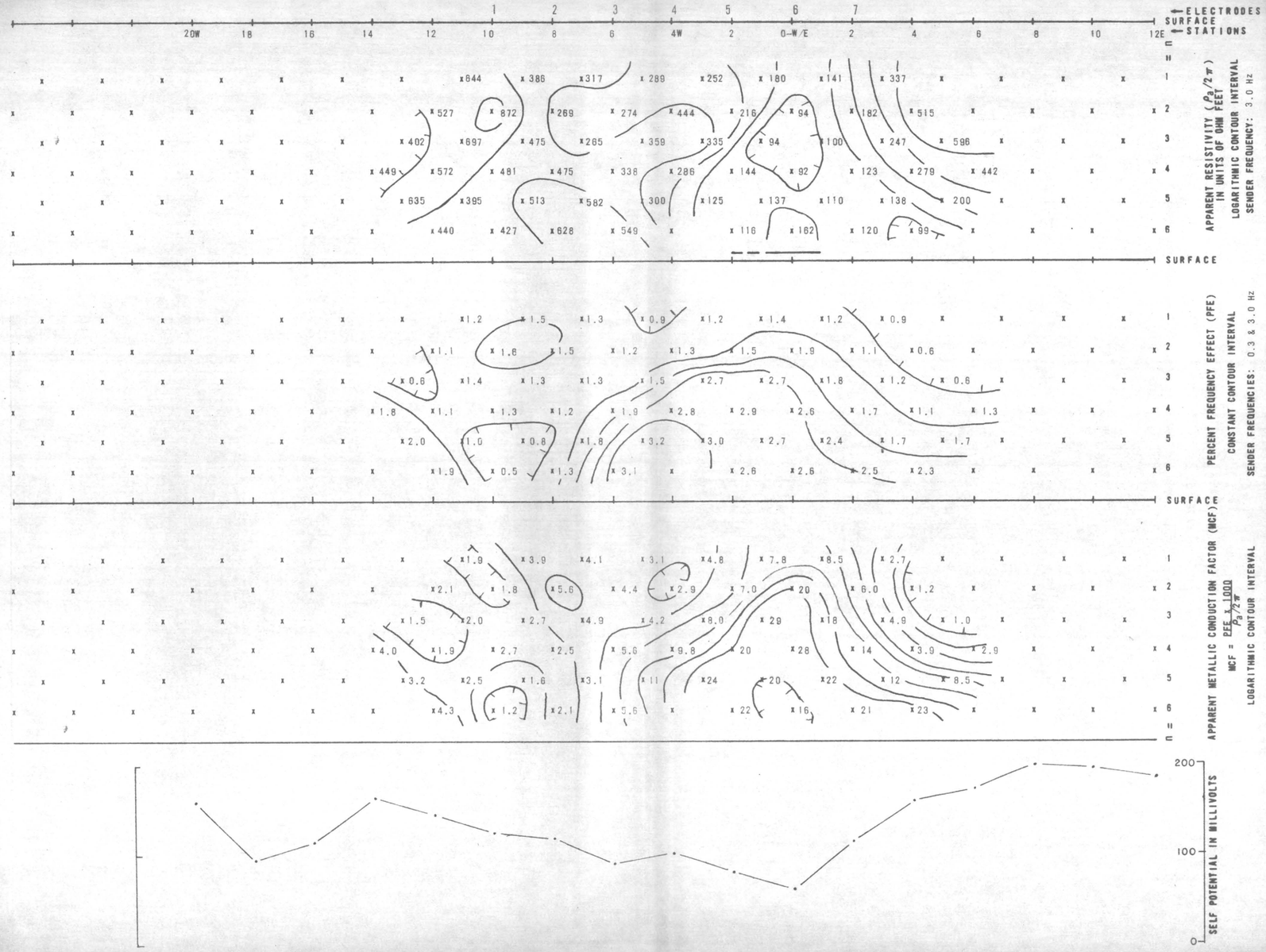
VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



DATE
JULY 1975

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5964, TUCSON, ARIZ., 85703, PHONE: (602)623-0578



1026-75

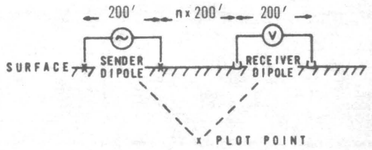
LINE NO.
59N
SPREAD(S)
1
BEARING
E-W

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET
of
THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY

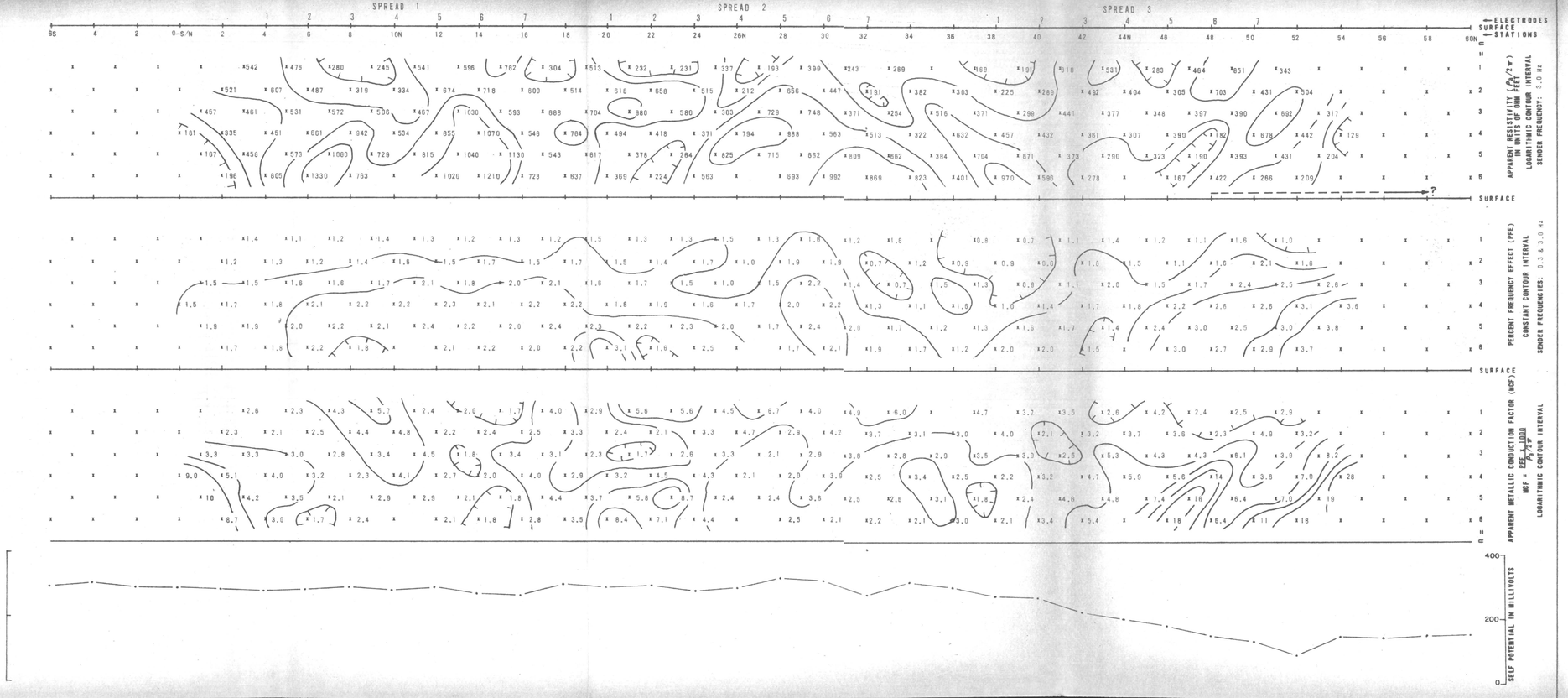


DATE
AUGUST 1975

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5964, TUCSON, ARIZ., 85703, PHONE: (602)623-0578

1026-75

LINE NO.
N
SPREAD(S)
1,2 & 3
BEARING
N/S

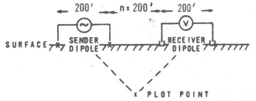


INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET of THE BELL AREA YAVAPAI COUNTY, ARIZONA for THE SUPERIOR OIL COMPANY

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



DATE
SEPTEMBER 1975

MINING-MAP
GEOPXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5984, TUCSON, ARIZ., 85703, PHONE: (602)623-0578

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 32S, HALF E, SR. 1, a = 2001, BEARING EW

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 30, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-2E	→	2-4E	→		4-6E	→			6-7
MULTIPLIER	10	10	10	10	10	10	1	1	1	1
PFE	+2.0	+3.5	+1.4	+2.0	+3.3	-.1 (1.3)	+1.8 (1.0)	+2.5	+3.7	+.2
CUR. (AMPS)	3	→								
POINT NO.										
SEP. (n)	1	2	1	2	3	1	2 (69.8)	3	4	
H. F. MV	263	223	246	105	119	354 (392)	69.9	36.3	48.0	97.8
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.8	3.3	1.2	1.8	3.1	1.1	0.8	2.1	3.5	
3.0 MV $\rho/2\pi$	54	182	50	86	243	80	57	74	196	
DRIFT MCF	33	18	24	21	13	14	14	28	18	
S. P.	+6.8		+15.7			-3.2				
NOISE										
POT RES.										
CULT & CMTS			FENCE (GR)			FENCE (GR)				

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE 32S, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 30, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8	→	→	→	→	8-10E	→	→	→	→
MULTIPLIER	10	10	10	1.0	1.0	10	1.0	1.0	1.0	1.0
PFE	±0	+.1 (1.0)	+.6 (2.0)	+2.9	+4.0	+2.5	+3.3	+3.6	+3.9	+4.6
CUR. (AMPS)	3	→								
POINT NO.										
SEP. (n)	1	2 (493)	3 (122)	4 (71.8)	5	1	2	3	4	5
H. F. MV	523	500	123	71.8	106.2	189	72.0	78.4	19.4	12.2
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE Kn/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE PCAL										
0.1 PFE PFEc	-0.2	1.4	1.8	2.7	3.8	2.3	3.1	3.4	3.7	4.4
3.0 MV P/2π	117	403	249	294	760	39	59	162	80	87
DRIFT MCF	-1.7	3.5	7.2	9.2	5.0	60	53	21	46	50
S. P.	+2.3					+3.8				
NOISE										
POT RES.										
CULT & CMTS	Fence (GR)					Fence (GR)				

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 32S, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00+W = ELECTRODE No. 4, DATE July 30, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12E	→	→	→	→	12-14E	→	→	→
MULTIPLIER	1	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+5.8	[illegible]	+2.3	+2.6	+3.0	+3.5	+1.1	+1.3	+1.7	+2.3
CUR. (AMPS)	3 →	+2.0								
POINT No.										
SEP. (n)	6	2	3	4	5	6	3	4	5	6
H. F. MV	19.8	81.0	54.0	66.8	15.7	10.4	61.8	44.3	54.1	14.0
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	5.6	1.8	2.1	2.4	2.8	3.3	0.8	1.1	1.5	2.1
3.0 MV $\rho/2\pi$	227	66	110	273	112	119	126	181	402	160
DRIFT MCF	25	27	19	8.8	25	28	6.3	6.1	3.7	13
S. P.		-11.1					+5.9			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 32S, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00 EW = ELECTRODE NO. 4, DATE July 30, 1975

PAGE 4

HEINRICHS GEOEX

SEND	6-7	5-6	4-5							
RECEIVE	14-16	E →								
MULTIPLIER	1.0	1.0	1.0							
PFE	+1.3	+1.5	+1.9							
CUR. (AMPS)	3 →									
POINT NO.										
SEP. (n)	4	5	6							
H. F. MV	33.0	24.2	31.0							
DRIFT	0	0	0							
1.0 PFE K_n/1000	12	21	33.6							
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.1	1.3	1.7							
3.0 MV $\rho/2\pi$	135	173	355							
DRIFT MCF	8.1	7.5	4.8							
S. P.	+8.7									
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA BELL

LINE 325, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA. 00 EW = ELECTRODE NO. 4, DATE 7/30

PAGE 1

HEINRICHS GEOEX

SEND	—	—	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	0 - 2W	2 - 4W	4 →			6W	CAL	6 →		
MULTIPLIER			10	10	1	1	1	10	1	1
PFE			2.9	3.3	3.2	3.6	0.0	1.3	3.0	3.5
CUR. (AMPS)			3	→						
POINT NO.										
SEP. (n)			1	2	3	4		1	2	3
H. F. MV			299.0	221.0	96.3	51.5	97.4	386.0	102.0	103.6
DRIFT			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0 PFE K_n/1000			0.6	2.4	6	12		0.6	2.4	6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c			2.9	3.3	3.2	3.6		1.3	3.0	3.5
3.0 MV $\rho/2\pi$			61	182	202	211		79	84	213
DRIFT MCF			47	18	16	17		16	36	16
S. P.	+20.3	+10.1	+27.8					+25.2		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA BELL

LINE 325, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA. 00 EW = ELECTRODE No. 4, DATE 7/30

PAGE 2

HEINRICHS GEOEX

SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3
RECEIVE	→	8W	8	→	→	→	→	10W	10	→
MULTIPLIER	1	1	100	10	1	1	1	1	10	1
PFE	3.2	3.5	1.0	1.8	3.3	3.9	3.7	4.0	2.9	3.4
CUR. (AMPS)	3	→								
POINT No.										
SEP. (n)	4	5	1	2	3	4	5	6	2	3
H. F. MV	49.2	27.5	2060.0	156.0	51.4	60.1	31.6	19.7	336.0	29.7
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+.2	0.0
1.0 PFE K_n/1000	12	21	0.6	2.4	6	12	21	33.6	2.4	6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	3.2	3.5	1.0	1.8	3.3	3.9	3.7	4.0	2.9	3.4
3.0 MV $\rho/2\pi$	202	198	423	128	106	247	227	227	276	61
DRIFT MCF	16	18	2.4	14	31	16	16	18	11	56
S. P.			-21.2						-19.5	
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 32S, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA. 00 EW = ELECTRODE No. 4, DATE 7/30

PAGE 3

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	→	→	12W	12	→	→	14W	14	→	16W
MULTIPLIER	1	1	0.1	10	1	1	1	1	1	1
PFE	4.4	5.1	4.4	2.4	3.6	4.7	4.8	2.7	3.6	4.5
CUR. (AMPS)	3	→								
POINT No.										
SEP. (n)	4	5	6	3	4	5	6	4	5	6
H. F. MV	13.2	16.0	6.98	268.0	42.9	28.0	38.2	93.9	16.1	11.1
DRIFT	0.0	+.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0 PFE K_n/1000	12	21	33.6	6	12	21	33.6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	4.4	5.1	4.4	2.4	3.6	4.7	4.8	2.7	3.6	4.5
3.0 MV $\rho/2\pi$	54	115	80	550	176	201	439	386	116	128
DRIFT MCF	81	44	55	4.4	20	23	11	7.0	31	35
S. P.				-5.8				+16.4		
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 32S, HALF EAST, SP. 1, DATE JULY 30, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)
VOLTAGE	200	320	120	200	320	140	120	200	320	140
CURRENT	3	3	3	3	3	3	3	3	3	3
SEND	4-5	3-4	2-3	1-2	6A-7	6-7	5-6	4-5	3-4	2-3
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+100)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)
VOLTAGE	140	120	220	320	50	160	160	140	120	200
CURRENT	3	3	3	3	[illegible]	3	3	3	3	3

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 325, HALF EAST, SP. 1, DATE JULY 30, 1975

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)
VOLTAGE	320	160	160	140	120	200	160	160	140	120
CURRENT	3	3	3	3	3	3	3	3	3	3
SEND	6-7	5-6	4-5	6-7						
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)						
VOLTAGE	150	150	120	150						
CURRENT	3	3	3	3						

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 32S, HALF WEST, SP. 1, DATE JULY 30, 1975

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	CA 1-2
RECEIVE										
RANGE	x100+300	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+100)
VOLTAGE	120	120	140	150	200	120	120	160	140	180
CURRENT	3	3	3	3	3	3	3	3	3	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)
VOLTAGE	320	200	120	120	160	160	320	200	120	120
CURRENT	3	3	3	3	3	3	3	3	3	3

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 325, HALF WEST, SP. 1, DATE JULY 30, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	3-4
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)
VOLTAGE	160	320	200	120	120	320	200	120	130	120
CURRENT	3	3	3	3	3	3	3	3	3	3
SEND	2-3	4-5	3-4							
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)							
VOLTAGE	200	130	120							
CURRENT	3	3	3							

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS: REPEAT 4-5, 3-4, 2-3

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 285, HALF E, SR. 1, a = ~~286'~~ 100', BEARING E/W

SENDER STA. 1W = ELECTRODE NO. 4, DATE AUG 15, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	Rel
RECEIVE	0-2E	→	2-4E	→	→	4-6E	→	→	→	6-7
MULTIPLIER	10	10	10	1.0	1.0	10	10	1.0	1.0	1.0
PFE	+4.4	+4.4	+1.2	+4.4	+4.1	+1.0	+2.5	+5.8	+5.3	-.5
CUR. (AMPS)	2								→	1.0
POINT NO.										
SEP. (n)										
H. F. MV	331	211	450	67.0	56.0	501	134	25.2	28.4	101.9
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$	0.3	1.2	0.3	1.2	3	0.3	1.2	3	6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	4.9	4.9	1.7	4.9	4.6	1.5	3.0	6.3	5.8	
3.0 MV $\rho/2\pi$	49	124	66	34	82	74	79	37	85	
DRIFT MCF	101	39	26	146	56	20	38	170	68	
S. P.	-5.0		+33.9			-4.6				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Ball

LINE 285, HALF E, SP. 1, a = 100', BEARING E/W

SENDER STA. 1W = ELECTRODE No. 4, DATE AUG 15-1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8	E →				8-10	E →			
MULTIPLIER	1.0	1.0	1.0	0.1	0.1	10	10	10	1.0	1.0
PFE	+[illegible]	+1.8	+3.1	+6.1	+5.3	+5	+1.4	+1.3	+2.8	+5.9
CUR. (AMPS)	1.0/2	2	2	2	2	3	3	2	2	2
POINT NO.										
SEP. (n)	99.3									
H. F. MV	[illegible]	59.5	22.7	6.52	9.05	632	237	139	62.4	20.6
·DRIFT	+.4	0	0	+.2	0	0	+.2	0	0	0
1.0 PFE $K_n/1000$	0.3	1.2	3	6	10.5	0.3	1.2	3	6	10.5
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C	1.3	2.3	3.6	6.5	5.8	1.0	1.8	1.8	3.3	6.4
3.0 MV $\rho/2\pi$	15	35	33	19	47	62	93	205	184	106
DRIFT MCF	89	66	108	339	124	16	19	8.8	18	60
S. P.	+25.7					+8.9				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 285, HALF E, SP. 1, a = 100, BEARING E/W

SENDER STA. 1W = ELECTRODE No. 4, DATE Aug 15, 1971

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 E	→	→	→	→	12-14 E	→	→	→
MULTIPLIER	1.0	10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+5.0	+1.7	+2.2	+2.5	+3.9	+7.2	+.4	+1.0	+.7	+2.3
CUR. (AMPS)	2	3	3	2	2	2	3	3	2	2
POINT No.										
SEP. (n)										
H. F. MV	30.5	158	86.9	68.7	33.9	13.1	50.8	33.5	30.2	16.1
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$	16.8	1.2	3	6	10.5	16.8	3	6	10.5	16.8
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C	5.5	2.2	2.7	3.0	4.4	7.7	0.9	1.5	1.2	2.8
3.0 MV $\rho/2\pi$	251	62	85	202	175	108	50	66	156	133
DRIFT MCF	22	35	32	15	25	71	18	23	7.7	21
S. P.		-4.2					+20.9			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Boll

LINE 28S, HALF E, SR. 1, a = 100', BEARING E/W

SENDER STA. 1W = ELECTRODE NO. 4, DATE AUG 15, 1975

PAGE 4

HEINRICHS GEOEX

SEND		1-7	5-6	2-5							
RECEIVE		14-16 E →									
MULTIPLIER		1.0	1.0	1.0							
PFE		+1.4	+2.1	+1.7							
CUR. (AMPS)		3	3	2							
POINT NO.											
SEP. (n)											
H. F. MV		33.6	24.9	26.8							
DRIFT		0	0	0							
1.0 PFE	K_n/1000	6	10.5	16.8							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	1.9	2.6	2.2							
3.0 MV	$\rho/2\pi$	66	85	221							
DRIFT	MCF	29	30	10							
S. P.		-23.0									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Boll

LINE 285, HALF W, SP. 1, a = 100', BEARING E/W

SENDER STA. 1W = ELECTRODE NO. 4, DATE Aug 15, 1975

PAGE 5

HEINRICHS GEOEX

SEND	S.P.	S.P.	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2W	2-4W	4-6W	→	→	→	6-8W	→	→	→
MULTIPLIER	—	—	10	10	1.0	1.0	100	10	1.0	1.0
PFE	—	—	+3.8	+4.4	+4.3	+5.5	+.4	+4.0	+3.8	+3.5
CUR. (AMPS)			2	2	2	2	2	2	2	2
POINT NO.										
SEP. (n)										
H. F. MV	—	—	875	198	58.3	25.0	1160	145	59.7	19.6
DRIFT			0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$			0.3	1.2	3	6	0.3	1.2	3	6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c			4.3	4.9	4.8	6.0	4.9	4.5	4.3	4.0
3.0 MV $\rho/2\pi$			129	117	86	74	171	85	88	58
DRIFT MCF			33	42	56	82	5.3	53	49	69
S. P.	-4.3	-5.5	+16.2				-13.6			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE 28S, HALF W, SR. 1, a = 100', BEARING E/W

SENDER STA. 1W = ELECTRODE NO. 4, DATE AUG 15, 1975

PAGE 6

HEINRICHS GEOEX

SEND		6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE		→	8-10 W	→	→	→	→	→	10-12 W	→	→
MULTIPLIER		1.0	100	10	1.0	1.0	0.1	0.1	10	10	1.0
PFE		+4.3	+.3	+.1	+4.0	+3.2	+2.8	+5.6	+.4	+.5	+4.4
CUR. (AMPS)		3	2	2	2	2	2	3.75	2.75	2.75	2.75
POINT NO.											
SEP. (n)											
H. F. MV		14.6	1290	261	48.5	26.5	9.52	9.70	121	120	26.1
DRIFT		0	0	0	0	0	0	0	+.2	0	0
1.0 PFE	$K_n/1000$	10.5	0.3	1.2	3	6	10.5	16.8	1.2	3	6
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	4.8	0.8	0.6	4.5	3.7	3.3	4.1	0.8	1.0	4.9
3.0 MV	$\rho/2\pi$	50	190	154	71	78	49	43	52	128	56
DRIFT	MCF	96	4.2	3.9	63	47	.67	96	15	7.8	88
S. P.		+.2							-14.6		
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE 28S, HALF W, SP. 1, a = 100', BEARING E/W

SENDER STA. 1W = ELECTRODE NO. 4, DATE AUG 15, 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	0.01
RECEIVE	→	→	12-14 W	→	→	→	14-16 W	→	→	1-2
MULTIPLIER	1.0	0.1	10	10	1.0	1.0	10	1.0	1.0	1.0
PFE	+3.3	+2.9	+.7	+.8	+4.8	+3.6	+8.1	+2.4	+6.2	-.5
CUR. (AMPS)	2.75	2.75	2	→	→	→	→	→	→	1.0
POINT NO.										
SEP. (n)										
H. F. MV	16.3	5.77	36.5	106	24.9	16.5	148	45.6	10.8	102.0
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	10.5	16.8	3	6	10.5	16.8	6	10.5	16.8	
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	3.8	3.4	1.2	1.3	5.3	4.1	2.6	2.9	6.7	
3.0 MV $P/2\pi$	61	35	537	312	128	136	430	235	89	
DRIFT MCF	62	98	2.2	4.2	41	36	6.1	12	75	
S. P.			+30.4				-2.4			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 28, HALF EAST, SP. 1, DATE 8/15/75

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE	0-2 E →		2-4 E →			4-6 E →				6
RANGE	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200
VOLTAGE	160	230	160	160	230	250	160	160	230	160
CURRENT	2	2	2	2	2	2	2	2	2	2
SEND	4-5	3-4	2-3	1-2	E.A. 6-7	6-7	5-6	4-5	3-4	2-3
RECEIVE	-8 E			→		8-10 E				
RANGE	X10+200	X10+200	X10+200	X10+200	X10+100	X10+300	X10+300	X10+200	X10+200	X10+200
VOLTAGE	250	160	160	230	35	120	240	240	160	160
CURRENT	2	2	2	2	1	3	3	2	2	2

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 28, HALF EAST, SP. 1, DATE 8/15/75

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 E		→			12-14 E		→	
RANGE	X10+200	X10+300	X10+300	X10+200	X10+200	X10+200	X10+300	X10+300	X10+200	X10+200
VOLTAGE	230	120	240	240	160	160	120	240	240	160
CURRENT	2	3	3	2	2	2	3	3	2	2
SEND	6-7	5-6	4-5							
RECEIVE	14-16 E	→								
RANGE	X10+300	X10+300	X10+200							
VOLTAGE	120	240	240							
CURRENT	3	3	2							

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 28, HALF WEST, SP. 1, DATE 8/15/75

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	C.A. 1-2
RECEIVE	4-6 W →				6-8 W →					
RANGE	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200	X10+300	X10+100
VOLTAGE	160	250	160	75	160	160	250	160	120	110
CURRENT	2	2	2	2	2	2	2	2	3	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	8-10 W →						10-12 W →			
RANGE	X10+200	X10+200	X10+200	X10+200	X10+200	X10+375	X10+275	X10+275	X10+275	X10+275
VOLTAGE	230	160	160	250	160	150	230	230	230	250
CURRENT	2	2	2	2	2	3.75	2.75	2.75	2.75	2.75

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 28, HALF WEST, SP. 1, DATE 8/15/75

PAGE 2

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE	←	←	→	12-14 W	→	14-16 W	→	→		
RANGE	X10+275	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200	X10+200		
VOLTAGE	220	230	160	160	250	230	160	160		
CURRENT	2.75	2	2	2	2	2	2	2		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 28S, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 29, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	(a)
RECEIVE	0-2E	→	2-4 E	→	→	4-6 E	→	→	→	6-7
MULTIPLIER	10.0	1.0	10.0	1.0	1.0	10.0	10.0	1.0	1.0	1.0
PFE	+5.1	+4.1	+2.4	+6.0	+4.4	+1.9	+2.8	+6.4	+4.9	+.1
CUR. (AMPS)	2	2	2	2	2	2	2	2	2	
POINT No.										
SEP. (n)	1	2	1	2	3	1	2	3	4	
H. F. MV	159	44.9	277	63.5	26.8	232	158	64.4	25.6	101.9
DRIFT	0	0	0	0	0	0	+.2	0	0	0
1.0 PFE $K_n/1000$	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	5.0	4.0	2.3	5.9	4.3	1.8	2.6	6.3	4.8	
3.0 MV $\rho/2\pi$	47	53	82	75	79	69	186	160	150	
DRIFT MCF	106	76	28	78	54	26	14	40	18	
S. P.	-1.2		+11.0			-15.0				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 28S, HALF E, SP. 1, a = 200, BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE 7/29

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8 E	→	→	→	→	8-10 E	→	→	→	→
MULTIPLIER	10.0	1.0	1.0	1.0	1.0	10.0	1.0	1.0	1.0	
PFE	+1.9	+2.5	+5.2	+6.2	+4.6	+2.4	+2.7	+2.9	+3.5	+6.1
CUR. (AMPS)	1	2	2	2	2	1	1	2	2	2
POINT NO.										
SEP. (n)	1	2	3	4	5	1	2	3	4	5
H. F. MV	274	86.1	98.6	48.0	26.6	307	64.5	41.3	62.8	32.2
DRIFT	0	0	0	0	0	0	0	0	+.1	0
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.8	2.4	5.1	6.1	4.5	2.3	2.6	2.8	3.4	6.0
3.0 MV $\rho/2\pi$	161	102	261	283	274	180	151	122	393	322
DRIFT MCF	11	24	20	22	16	13	17	24	8.6	18
S. P.	+3.6					-5.8				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 28S, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE 7/29

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12E	→	→	→	→	12-14E	→	→	→
MULTIPLIER	1.0	1.0	1.0	0.1	1.0	0.1	0.1	0.1	0.1	0.1
PFE	+4.7	+3.5	+3.5	+2.4	+2.8	+3.4	+2.5	+2.5	+2.2	+2.9
CUR. (AMPS)	2	1	1	1	2	2	1	1	2	2
POINT NO.										
SEP. (n)	6	2	3	4	5	6	3	4	5	6
H. F. MV	18.7	33.6	11.0	4.77	14.2	5.16	7.00	3.46	3.30	5.62
DRIFT	0	0	+.3	+.2	±.0	±.0	-.2	-.2	±.0	±.0
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	4.6	3.4	3.3	2.2	2.7	5.3	2.8	2.5	2.1	2.8
3.0 MV $\rho/2\pi$	308	79	65	56	146	151	41	41	34	93
DRIFT MCF	15	43	51	39	18	35	68	61	62	30
S. P.		+12.3								
NOISE										
POT RES.										
CULT & CMTS							35 sec	35 sec	35 sec	35 sec

I. P. RECEIVER NOTES, JOB No. 1026, AREA Ball

LINE 28S, HALF E, SR. 1, a = 200, BEARING E/W

SENDER STA. 00FW = ELECTRODE No. 4, DATE July 29, 1975

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16E	→	→							
MULTIPLIER		0.1	0.1	0.1							
PFE		+4.5	+4.0	+3.1							
CUR. (AMPS)		1	1	2							
POINT No.											
SEP. (n)		4	5	6							
H. F. MV		7.25	4.07	4.28							
DRIFT		-.10	0	-.3							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	4.4	3.9	3.2							
3.0 MV	$\rho/2\pi$	85	84	69							
DRIFT	MCF	52	46	46							
S. P.		-9.2									
NOISE											
POT RES.											
CULT & CMTS		35 ωc									

I. P. RECEIVER NOTES, JOB No. 1026, AREA BELL

LINE 28S, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE No. 4, DATE 7/29

PAGE 5

HEINRICHS GEOEX

SEND	~~5~~	—	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2	2-4	4	→	→	6W	6	→	→	→
MULTIPLIER	—	—	10	1	1	1	10	1	1	0.1
PFE			4.2	3.9	4.2	0.5.0	1.1	4.5	4.1	4.0
CUR. (AMPS)			2	2	1	1	2	2	2	1
POINT No.										
SEP. (n)			1	2	3	4	1	2	3	4
H. F. MV			301.0	46.0	13.8	14.2	898.0	77.1	17.2	6.26
DRIFT			0.0	0.0	0.0	0.0	0.0	0.0	+0.2	0.0
1.0 PFE $K_n/1000$			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c			4.2	3.9	4.2	5.0	1.1	4.5	4.0	4.0
3.0 MV $\rho/2\pi$			89	54	81	167	264	91	51	74
DRIFT MCF			47	72	52	30	4.2	50	79	54
S. P.	-2.1	+2.3	-2.3				-6.0			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA BELL

LINE 28S, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE 7/29

PAGE 63

HEINRICHS GEOEX

SEND		6-7	CAL	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3
RECEIVE		8W	1-2	8 →					→ 10W	10 →	
MULTIPLIER		0.1	1	10	10	1	0.1	0.1	0.1	10	1
PFE		4.4	0.0	3.1	2.9	6.2	5.8	5.5	6.1	2.1	1.7
CUR. (AMPS)		1	1	2	2	2	2	1	1	2	2
POINT NO.											
SEP. (n)		5		1	2	3	4	5	6	2	3
H. F. MV		6.66	101.8	1100.0	371.0	40.1	10.14	3.85	4.20	161	75.1
DRIFT		0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2±.2	0.0	0.0
1.0 PFE	K_n/1000	21		0.6	2.4	6	12	21	33.6	2.4	6
0.3 PFE	P_{CAL}										
0.1 PFE	PFE_c	4.4		3.1	2.9	6.2	5.8	5.5	6.2	2.1	1.7
3.0 MV	$P/2\pi$	137		324	437	118	60	79	138	190	221
DRIFT	MCF	32		9.6	6.6	53	97	69	45	11	7.7
S. P.				-7.5						+14.0	
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB No. 1026, AREA BELL

LINE 28S, HALF W, SR. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE No. 4, DATE 7/29

PAGE 7 & 8

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE			12	12			14W	14		16
MULTIPLIER	0.1	0.1	0.1	1	1	0.1	0.1	10	1	1
PFE	4.6	3.9	4.5	2.5	1.7	4.6	3.7	3.8	3.5	5.9
CUR. (AMPS)	2	2	1	2	2	2	2	2	2	2
POINT No.										
SEP. (n)	4	5	6	3	4	5	6	4	5	6
H. F. MV	9.73	3.10	1.34	100.4	61.4	9.90	3.59	146.0	95.3	17.8
DRIFT	0.0	+.2	0 ± .6	0.0	-0.2	-0.2	0.0	0.0	0.0	+.2
1.0 PFE K_n/1000	12	21	33.6	6	12	21	33.6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	4.6	3.8	4.5	2.5	1.8	4.7	3.7	3.8	3.5	5.8
3.0 MV $\rho/2\pi$	57	32	44	296	362	102	59	860	983	294
DRIFT MCF	80	119	102	8.4	5.0	46	62	4.4	3.6	20
S. P.				+29.5				0.0		
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 28S, HALF EAST, SP. 1, DATE JULY 29, 1975

PAGE 1

HEINRICHS GEOEX

SEND	1-2	2-3	1-2	2-3	3-4	1-2	2-3	3-4	~~4-5~~	4-5
RECEIVE										
RANGE	x10(6+200)	x10(0+200)	x10(6+200)	x10(4200)	x10(6+200)	x10(0+200)	x10(0+200)	x10(0+200)	~~x10(6+100)~~	x10(0+200)
VOLTAGE	320	200	320	200	140	320	200	140	~~320~~	120
CURRENT	2	2	2	2	2	2	2	2	1	2
SEND	5-6	4-5	3-4	2-3	1-2	6-7	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	x10(6+100)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+200)
VOLTAGE	320	120	130	200	320	400	400	320	120	140
CURRENT	1	2	2	2	2	1	1	1	2	2

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 28S, HALF EAST, SP. 1, DATE JULY 29, 1975

PAGE 2

HEINRICHS GEOEX

SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5
RECEIVE										
RANGE	X10(b+200)	X10(a+200)	X10(b+100)	X10(b+100)	X10(b+100)	X10(b+200)	X10(a+200)	X10(b+100)	X10(a+100)	X10(b+200)
VOLTAGE	200	220	390	320	60	140	180	400	300	120
CURRENT	2	2	1	1	1	2	2	1	1	2
SEND	3-4	6-7	5-6	4-5						
RECEIVE										
RANGE	X10(b+200)	X10(a+100)	X10(a+100)	X10(b+200)						
VOLTAGE	120	400	300	120						
CURRENT	2	1	1	2						

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 289, HALF WEST, SP. 1, DATE JULY 29, 1975

PAGE 1

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE										
RANGE	X10(0+100)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)		
VOLTAGE	300	320	200	140	120	320	200	130		
CURRENT	1	2	2	2	2	2	2	2		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR RICK JOHNSON

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 285, HALF WEST, SP. S, DATE JULY 29, 1975

PAGE 7

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	CA 1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+100)
VOLTAGE	120	120	320	400	240	200	140	120	300	400
CURRENT	2	2	1	1	1	2	2	2	1	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)
VOLTAGE	320	200	140	120	320	380	320	200	140	120
CURRENT	2	2	2	2	1	1	2	2	2	2

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR RICK JOHNSON

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 26S, HALF E, SP. 1, a = 100', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE Aug 19, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-1E	→	1-2E	→	→	2-3E	→	→	→	6-7
MULTIPLIER	10	1.0	10	1.0	1.0	1.0	1.0	0.1	0.1	1.0
PFE	~~+7.4~~	+4.5	+1.7	+5.8	+5.4	+4.8	+5.4	+9.1	+7.3	-.3
CUR. (AMPS)	+4.4	.5	.5	.5	.5	.5	.5	.5	.5	1.0
POINT NO.	.5									
SEP. (n)										
H. F. MV	226	43.9	38.6	68.1	19.6	94.8	20.4	5.76	2.57	97.5
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	0.3	1.2	0.3	1.2	3	0.3	1.2	3	6	
0.3 PFE P_{CAL}										
0.1 PFE PFE_C	4.7	4.8	2.0	6.1	5.7	5.1	5.7	9.4	7.6	
3.0 MV $\rho/2\pi$	139	108	238	158	121	58	50	36	32	
DRIFT MCF	34	44	8.4	39	47	87	113	265	240	
S. P.	+6.4		-4.3			+8.5				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA 15011

LINE 26S, HALF E, SR. 1, a = 100', BEARING E/a

SENDER STA. 00E/a = ELECTRODE No. 4, DATE AUG 19, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	3-4E					4-5E				
MULTIPLIER	10	1.0	0.1	0.1	0.1	10	1.0	1.0	0.1	0.1
PFE	+2.0	+4.0	+3.9	+7.5	+5.5	+2.2	+2.5	+3.9	+4.3	+7.9
CUR. (AMPS)	.5	1	.5	.5	1	2	1	1	.5	.5
POINT NO.										
SEP. (n)										
H. F. MV	305	69.9	10.09	4.77	5.50	318	83.3	32.0	6.33	3.04
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$	.3	1.2	3	6	10.5	.3	1.2	3	6	10.5
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.3	4.2	4.2	7.8	5.8	2.5	2.8	4.2	4.6	8.2
3.0 MV $\rho/2\pi$	188	80	62	59	59	49	102	99	78	66
DRIFT MCF	12	54	68	133	98	51	27	43	59	125
S. P.	+6.0					+.2				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Boll

LINE 26S, HALF E, SR. 1, a = 100', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE AUG 19, 1925

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	5-6E	→	→	→	→	6-7	→	→	→
MULTIPLIER	0.1	1.0	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0.1
PFE	+4.7	+1.5	+1.5	+2.8	+3.3	+4.4	+2.8	+2.9	+4.0	+5.1
CUR. (AMPS)	1	2	1	1	.5	.5	2	1	1	.5
POINT NO.										
SEP. (n)										
H. F. MV	3.83	74.8	32.7	17.2	3.53	2.30	33.6	14.9	10.[illegible]	2.42
DRIFT	0	0	0	0	0	0	0	0	0	+.2
1.0 PFE K_n/1000	16.8	1.2	3	6	10.5	16.8	3	6	10.5	16.8
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	5.0	1.8	1.8	3.1	3.6	6.7	3.1	3.2	4.3	5.3
3.0 MV $\rho/2\pi$	66	46	101	106	76	79	52	104	116	84
DRIFT MCF	76	39	18	29	47	84	60	31	37	63
S. P.		-17.4					-1.1			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 26S, HALF E, SP. 1, a = 1001, BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE AUG 15, 1975

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		7-8E	→	→							
MULTIPLIER		1.0	1.0	1.0							
PFE		+2.9	+3.0	+5.9							
CUR. (AMPS)		2	1	1?							
POINT NO.											
SEP. (n)											
H. F. MV		36.3	20.6	14.6							
DRIFT		0	0	0							
1.0 PFE	K_n/1000	6	10.5	16.8							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	3.2	3.3	4.2							
3.0 MV	$\rho/2\pi$	112	222	252?							
DRIFT	MCF	29	15	17							
S. P.		+9.4									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB No. 1026, AREA Ball

LINE 26S, HALF W, SP. 1, a = 100, BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE Aug 19, 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-1W	1-2W	2-3W	→	→	→	3-4W	→	→	→
MULTIPLIER	—	—	10	1.0	1.0	0.1	10	1.0	1.0	1.0
PFE	—	—	+4.2	+4.8	+5.8	+7.3	+2.3	+5.4	+4.4	+5.4
CUR. (AMPS)			.5	.5	1	1	.5	.5	.5	1
POINT NO.										
SEP. (n)										
H. F. MV	—	—	189	49.4	36.5	450	359	50.5	24.0	20.4
DRIFT	—	—	0	+.2	0	0	0	0	0	0
1.0 PFE $K_n/1000$			.3	1.2	3	6	.3	1.2	3	6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C			4.3	4.8	5.9	7.4	2.4	5.5	4.5	5.5
3.0 MV $\rho/2\pi$			117	122	113	28	221	125	148	126
DRIFT MCF			37	39	52	267	11	44	30	44
S. P.	+1.5	-39.3	+27.2				+14.9			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Boll

LINE 26S, HALF W, SP. 1, a = 100', BEARING E/W

SENDER STA. 00E/W = ELECTRODE No. 4, DATE Aug. 19, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	4-5 W	→	→	→	→	→	5-6 W	→	→
MULTIPLIER	0.1	10	1.0	1.0	1.0	0.1	0.1	10	1.0	0.1
PFE	+6.6	+1.2	+2.2	+4.8	+3.4	+4.2	+5.3	+61	+2.5	+4.8
CUR. (AMPS)	1	1	.5	.5	.5	1	1	1	.5	.5
POINT No.										
SEP. (n)										
H. F. Mv	293	606	86.1	16.6	10.2	9.35	1.52	187	35.4	8.11
DRIFT	0	0	0	0	0	0	0	0	+.2	0
1.0 PFE K_n/1000	10.5	.3	1.2	3	6	10.5	16.8	1.2	3	6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C	6.7	0.3	2.3	4.9	3.5	4.3	5.4	0.2	2.5	4.9
3.0 MV $\rho/2\pi$	32	187	212	102	126	101	26	231	218	100
DRIFT MCF	212	1.6	11	48	28	43	206	0.87	11	49
S. P.		-8.9						+13.4		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 26S, HALF W, SP. 1, a = 100', BEARING E/W

SENDER STA. 00 EW = ELECTRODE NO. 4, DATE AUG 19, 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAM
RECEIVE	→	→	6-7 W	→	→	→	7-8 W	→	→	1-2
MULTIPLIER	0.1	0.1	1.0	1.0	0.1	0.1	1.0	0.1	0.1	1.0
PFE	+3.3	+4.2	+1.5	+2.9	+5.1	+3.4	+1.5	+3.0	+5.3	[illegible].1
CUR. (AMPS)	.5	1	1	.5	.5	.5	1	.5	.5	1.0
POINT NO.										
SEP. (n)										
H. F. MV	5.78	5.48	67.3	14.3	3.66	2.77	35.0	8.04	2.08	97.1
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	10.5	16.8	3	6	10.5	16.8	6	10.5	16.8	[illegible]
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	3.4	4.3	0.6	3.0	5.2	3.5	0.6	3.1	5.4	
3.0 MV $\rho/2\pi$	125	95	208	176	79	96	216	174	72	
DRIFT MCF	27	45	2.9	17	66	37	2.8	18	75	
S. P.			+1.9				+2.4			
NOISE										
POT RES.										
CULT & CMTS										

I.P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 26, HALF ~~WEST~~, SP. _____, DATE 8/19/75

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	C.A. 1-2
RECEIVE										
RANGE	X10+50	X10+50	X10+100	X10+100	X10+50	X10+50	X10+50	X10+100	X10+100	X10+100
VOLTAGE	260	140	220	120	260	270	150	230	130	240
CURRENT	.50	.50	1	1	.50	.50	.50	1	1	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE										
RANGE	X10+100	X10+50	X10+50	X10+50	X10+100	X10+100	X10+100	X10+50	X10+50	X10+50
VOLTAGE	250	250	260	150	220	140	250	260	260	150
CURRENT	1	.50	.50	.50	1	1	1	.50	.50	.50

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE 26, HALF ~~WEST~~, SP. _____, DATE 8/19/75

PAGE 2

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	2-3	1-2
RECEIVE										
RANGE	X10+100	X10+100	X10+50	X10+50	X10+50	X10+100	X10+50	X10+50	X10+50	X10+50
VOLTAGE	220	260	260	260	150	260	260	260	260	130
CURRENT	1	1	.50	.50	.50	1	.50	.50	.50	.50
SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6	4-5	3-4
RECEIVE										
RANGE	X10+50	X10+50	X10+50	X10+50	X10+50	X10+50	X10+50	X10+50	X10+100	X10+50
VOLTAGE	260	260	130	150	260	260	130	230	280	260
CURRENT	.50	.50	.50	.50	.50	.50	.50	.50	1	.50

FREQUENCIES

SENDER No.

OPERATOR Terry Wilson TM

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

SOUTH

I.P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 26, HALF [redacted] EAST, SP. _____, DATE 8/19/75

PAGE 2

HEINRICHS GEOEX

SEND	2-3	1-2	8-7	6-7	5-6	4-5	3-4	2-3	1-2	6-7
RECEIVE										
RANGE	X10+50	X10+100	X10+100	X10+200	X10+100	X10+100	X10+50	X10+50	X10+100	X10+200
VOLTAGE	260	260	80	250	230	290	260	260	260	260
CURRENT	.50	1	1	2	1	1	.50	.50	1	2
SEND	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4	6-7	5-6
RECEIVE										
RANGE	X10+100	X10+100	X10+100	X10+100	X10+200	X10+100	X10+100	X10+50	X10+200	X10+100
VOLTAGE	230	290	260	260	260	220	290	260	260	230
CURRENT	1	1	.50	.50	2	1	1	.50	2	1

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE + Terry

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 26, HALF SOUTH, SP. _____, DATE 8/19/75

PAGE 2

HEINRICHS GEOEX

SEND	4-5									
RECEIVE										
RANGE	X10+100									
VOLTAGE	290									
CURRENT	1									
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 24S, HALF E, SP. 1, a = 100', BEARING E/W

SENDER STA. 1E = ELECTRODE NO. 4, DATE Aug. 18, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAI
RECEIVE	0-1E	→	1-2E	→	→	2-3E	→	→	→	6-7
MULTIPLIER	10	10	10	1.0	1.0	10	1.0	1.0	0.1	1.0
PFE	+2.8	+4.9	+.2	+5.5	+5.3	+1.9	+2.6	+6.6	+7.3	-.4
CUR. (AMPS)	1	—							→	1.0
POINT NO.										
SEP. (n)										
H. F. MV	536	108	623	95.5	27.0	302	69.4	16.4	6.80	98.0
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	0.3	1.2	.3	1.2	3	.3	1.2	3	6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	3.2	5.3	0.6	3.9	57	2.3	3.0	7.0	7.7	
3.0 MV $\rho/2\pi$	164	132	191	117	83	92	85	50	42	
DRIFT MCF	20	40	3.1	33	69	25	35	139	185	
S. P.	+9.7		+11.6			+3.9				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE 245, HALF E, SR 1, a = 100', BEARING E/W

SENDER STA. 1E = ELECTRODE NO. 4, DATE AUG. 18, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	8-4	→	→	→	→	4-5				
MULTIPLIER	10	1.0	1.0	0.1	1.0	10	1.0	1.0	1.0	1.0
PFE	+.8	+3.5	+3.4	+7.0	+7.2	+.7	+2	+4.6	+4.4	+8.4
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)										
H. F. MV	195	57.0	28.5	8.40	4.02	263	78.3	43.2	33.6	10.6
DRIFT	0	0	0	0	0	0	0	0	-.2	0
1.0 PFE K_n/1000	.3	1.2	3	6	10.5	.3	1.2	3	6	10.5
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.2	3.9	3.8	7.4	7.6	1.1	2.4?	5.0	4.9	8.8
3.0 MV $\rho/2\pi$	60	70	87	51	43	81	96	132	206	114
DRIFT MCF	20	56	44	144	176	14	25	38	24	77
S. P.	+1.1					+12.7				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 24S, HALF E, SP. 1, a = 100', BEARING E/W

SENDER STA. 1E = ELECTRODE No. 4, DATE Aug 18, 1925

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	5-6E	→	→	→	→	6-7E	→	→	→
MULTIPLIER	0.1	1.0	1.0	1.0	1.0	0.1	1.0	1.0	1.0	1.0
PFE	+8.1	+1.2	+1.9	+4.0	+3.8	+7.4	+1.1	+2.1	+4.5	+4.1
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)										
H. F. MV	5.42	85.7	34.2	23.2	19.5	6.44	34.7	20.2	13.9	11.2
DRIFT	0	0	0	-.2	-.2	0	0	0	+.2	-.2
1.0 PFE $K_n/1000$	16.8	1.2	3	6	10.5	16.8	3	6	10.5	16.8
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	8.5	1.6	2.3	4.5	4.3	7.8	1.5	2.5	4.8	4.6
3.0 MV $\rho/2\pi$	93	105	105	142	209	110	106	124	149	192
DRIFT MCF	91	15	22	32	21	71	14	20	32	24
S. P.		-8.4					+25.2			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA 13011

LINE 245, HALF E, SP. 1, a = 100', BEARING E/W

SENDER STA. 1E = ELECTRODE NO. 4, DATE AUG. 18, 1925

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		7-8	15	→							
MULTIPLIER		1.0	1.0	1.0							
PFE		+1.2	+12.2	+4.4							
CUR. (AMPS)		1	→	→							
POINT NO.											
SEP. (n)											
H. F. MV		33.4	21.0	16.6							
DRIFT		0	0	+.2							
1.0 PFE	$K_n/1000$	6	10.5	16.8							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	1.6	2.6	4.7							
3.0 MV	$\rho/2\pi$	204	225	285							
DRIFT	MCF	7.8	12	17							
S. P.		-42.3									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026, AREA 13011

LINE 2FS, HALF W, SP. 1, a = 100', BEARING E/W

SENDER STA. 1E = ELECTRODE NO. 4, DATE AUG 18, 1976

PAGE 6

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-1W	1-2W	2-3W	→			3-4W	→		
MULTIPLIER	—	—	10	10	1.0	1.0	10	1.0	1.0	0.1
PFE	—	—	~~3.8~~	+5.6	+6.4	+8.9	+3.7	+4.3	+4.0	+4.8
CUR. (AMPS)			+4.7	0.5	→					
POINT NO.			0.5							
SEP. (n)			300	82.1						
H. F. MV	—	—	60.7	82.1	18.4	4.85	416	60.5	30.9	8.77
DRIFT	—	—	0	0	0	0	0	0	0	-.2
1.0 PFE $K_n/1000$			0.3	1.2	3	6	.3	1.2	3	6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C			5.1	6.0	6.8	9.3	4.1	4.7	4.4	5.3
3.0 MV $\rho/2\pi$			184	201	113	59	255	148	189	107
DRIFT MCF			28	30	60	157	16	32	23	49
S. P.	-17.5	-5.3	+18.7				+41.8			
NOISE										
POT RES.										
CULT & CMTS			Real Noisy AT 1AMP							

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE 245, HALF W, SR 1[illegible], a = 100', BEARING E/W

SENDER STA. 1E = ELECTRODE NO. 4, DATE AUG 18, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10W	—	—	1.0	—	→	10-12W	—	—
MULTIPLIER	0.1	10	1.0	1.0	~~0.1~~	0.1	0.1	10	1.8	1.0
PFE	+6.3	+.5	+4.1	+3.9	+3.3	+4.5	+4.7	+.6	+4.5	+3.7
CUR. (AMPS)	.5	—	—	—	—	→	1	—	—	→
POINT NO.										
SEP. (n)	~~38.6~~									
H. F. MV	32.6	328	78.8	18.6	10.9	3.22	2.70	200	66.5	21.0
DRIFT	0	0	0	0	0	+.2	+.2	+.2	0	0
1.0 PFE K_n/1000	10.5	.3	1.2	3	6	10.5	16.8	1.2	3	6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C	6.7	0.9	4.5	4.3	3.7	4.8	5.0	0.9	4.7	4.1
3.0 MV $\rho/2\pi$	70	198	193	114	133	69	49	245	204	129
DRIFT MCF	96	4.6	23	38	28	70	108	3.7	23	32
S. P.		-19.1						+16.6		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Ball

LINE 245, HALF W, SP. 1, a = 100', BEARING E/W

SENDER STA. 1E = ELECTRODE NO. 4, DATE AUG 18, 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAL
RECEIVE	→	→	12-14 W	→	→	→	14-16 W	→	→	1-2
MULTIPLIER	1.0	0.1	1.0	1.0	0.1	0.1	1.0	1.0	0.1	
PFE	+3.2	+3.1	+1.0	+4.7	+3.7	+3.4	+1.2	+5.6	+3.9	
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	
POINT NO.										
SEP. (n)										
H. F. MV	13.1	44.1	62.9	23.5	9.06	6.01	31.5	12.3	5.15	
DRIFT	0	0	0	0	0	0	0	0	0	
1.0 PFE K_n/1000	10.5	16.8	3	6	10.5	16.8	6	10.5	16.8	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	3.6	3.5	1.4	5.1	4.1	3.8	1.6	5.4	4.3	
3.0 MV $\rho/2\pi$	140	76	193	144	97	103	193	132	88	
DRIFT MCF	26	46	7.3	35	42	37	8.3	41	49	
S. P.			+16.3				+16.3			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 24, HALF WEST, SP. 1, DATE 8/18/75

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	5-6	6-7	1-2	2-3
RECEIVE										
RANGE	X10+50	X10+50	X10+50	X10+50	X10+50	X10+50	X10+50	X10+50	X10+50	X10+50
VOLTAGE	140	150	260	230	180	140	280	240	150	180
CURRENT	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50
SEND	3-4	4-5	5-6	~~6-7~~	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE										
RANGE	X10+50	X10+50	X10+50	~~X10+50~~	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100
VOLTAGE	140	150	300	~~250~~	60?	290	350	280	270	170
CURRENT	.50	.50	.50	~~.50~~	1	1	1	1	1	1

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE + TERRY WILSON

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

↑ 4-5 RANGE X10+50
VOLTS 150
CURRENT .50

I. P. SENDER NOTES

PAGE 2

HEINRICHS GEOEX

JOB NO. _____ AREA Bell

LINE 24, HALF West, SP. 1, DATE 8/18/75 Wk 1 Ex

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	2-3	1-2	3-4
RECEIVE										
RANGE	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100
VOLTAGE	300	350	280	280	300	350	280	350	300	280
CURRENT	/	/	/	/	/	/	/	/	/	/
SEND	2-3	1-2	3-4	4-5	2-3	1-2	5-6	4-5	3-4	2-3
RECEIVE										
RANGE	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100	X10 +100
VOLTAGE	350	300	290	280	350	300	170	280	300	350
CURRENT	/	/	/	/	/	/	/	/	/	/

FREQUENCIES

SENDER NO.

OPERATOR Terry Wilson

RECEIVER NO.

OPERATOR

COMMENTS:

I. P. SENDER NOTES

PAGE 3

JOB NO. _____ AREA Bell

LINE 24, HALF CWest, SP. 1, DATE 8/18/75

HEINRICHS GEOEX

SEND	1-2	~~SA 1-2~~ CAL 6-7	6-7	5-6	4-5	3-4	2-3	1-2	6-7	5-6
RECEIVE										
RANGE	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100
VOLTAGE	300	~~300~~ 60	60	170	280	300	350	300	60	170
CURRENT	/	/	/	/	/	/	/	/	/	/
SEND	4-5	3-4	2-3	6-7	5-6	4-5	3-4	6-7	5-6	4-5
RECEIVE										
RANGE	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100
VOLTAGE	290	320	350	70	170	310	360	60	170	340
CURRENT	/	/	/	/	/	/		/	/	/

FREQUENCIES

SENDER NO.

OPERATOR Terry WILSON

RECEIVER NO.

OPERATOR

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 1-45, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00 E W = ELECTRODE NO. 4, DATE July 28, 1975

PAGE 9

HEINRICHS GEOEX

SEND	1-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	AM1
RECEIVE										6-7
MULTIPLIER	10	1.0	10	1.0	1.0	10	1.0	1.0	0.1	1.0
PFE	+39.5	+3.8	+4.1	+4.1	+4.0	+3.8	+7.55	+5.3	+5.0	-.05
CUR. (AMPS)	2	1	1.5 & 1.0	1.0 & 2?	2	2 3.1	→	→	→	1.0
POINT NO.										
SEP. (n)										
H. F. MV	46.5	47.2	22.8	82.8	17.6	31.8	58.3	53.6	9.09	102.2
DRIFT	0	0	1.53	0	0	+.2	0	0	0	0
1.0 PFE K_n/1000	0.6	2.4	-1 0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	136	111	89 90	97	52	93	68	99	53	
DRIFT MCF	29	34	16 46	42	77	40	111	54	94	
S. P.	+58.4		+87.3			+7.8				
NOISE										
POT RES.			6.6							
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 34S, HALF E, SP. 1, a = 200', BEARING E W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 23, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE										
MULTIPLIER	10	10	1.0	1.0	.1	10	10	1.0	1.0	1.0
PFE	+1.65	+4.25	+7.5	+4.4	+4.4	+2.2	+2.4	+4.2	+7.45	+4.3
CUR. (AMPS)	2									
POINT NO.										
SEP. (n)										
H. F. MV	345	140	36.9	29.2	8.64	540	120	70.9	22.6	22.3
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	101	164	108	171	89	159	141	208	133	229
DRIFT MCF	17	26	69	26	50	14	17	20	57	18
S. P.	-6.4				+12.6					
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 245, HALF E, SR. 1, a = 200', BEARING E W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 25 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE										
MULTIPLIER	0.1	10	1.0	1.0	0.1	0.1	1.0	0.1	0.1	0.1
PFE	+3.95	+3.4	+2.8	+3.85	+7.3	+4.05	+2.9	+2.15	+3.55	+6.4
CUR. (AMPS)	2	2.5	2.5	2 3.8	2	2	2	2	2	2
POINT NO.										
SEP. (n)										
H. F. MV	7.22	113	45.9	30.4	9.85	10.55	17.5	8.57	7.46	3.16
DRIFT	0	+.05	0	+.05	0	0	0	+.1	0	0
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	119	106	108	180	101	173	51	50	77	52
DRIFT MCF	34	32	26	21	22	24	56	42	47	123
S. P.		-2.7					+12.1			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 245 HALF E, SP. 1, a = 200, BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 25, 1975

PAGE 4

HEINRICHS GEOEX

SEND	6.7	5.6	4.5								
RECEIVE											
MULTIPLIER	1.0	0.1	0.1								
PFE	+2.6	+1.85	+3.2								
CUR. (AMPS)	3	3	1.5								
POINT NO.											
SEP. (n)											
H. F. MV	17.1	9.32	4.37								
DRIFT	0	0	-.05								
1.0 PFE / K_n/1000	12	21	33.6								
0.3 PFE / ρ_{CAL}											
0.1 PFE / PFE_c											
3.0 MV / $\rho/2\pi$	67	64	46								
DRIFT / MCF	39	30	33								
S. P.	+11.8										
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026 AREA Bell

LINE 245, HALF W, SP 1, a = 200', BEARING 15/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 25, 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2W	2-4W	4-8W →				6-8W →			
MULTIPLIER			10	1.0	0.1	0.1	100	10	1.0	0.1
PFE			+1.8	+6.1	+4.9	+13.0	+.9	+2.4	+4.5	+4.4
CUR. (AMPS)			1	1	1	2	2	2	1	1
POINT NO.										
SEP. (n)			1	2	3	4	1	2	3	4
H. F. MV			533	40.6	9.37	6.58	7140	218	22.8	5.03
DRIFT										
1.0 PFE $K_n/1000$			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$			313	95	55	41	2100	256	134	59
DRIFT MCF			5.8	64	89	293	11.44	9.4	34	74
S. P.	+26.3	+15.2	+8.0				+25.6			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 24S HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 1, DATE 7/29

PAGE 6

HEINRICHS GEOEX

SEND		6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE		→	10				12	→	12		
MULTIPLIER		0.1	100	100	10	1	1	0.1	10	10	1
PFE		+6.35	+2.5	+2.0	12.05	4.7 4.8	3.4 3.6	5.5 5.6	2.4	2.2	3.6
CUR. (AMPS)		2	2	2	2	1.5	2.5	1	1	1.5	1.5
POINT NO.											
SEP. (n)											
H. F. MV		5.85	2310	3170	282	47.2	21.2	4.73	57.9	135	19.3
DRIFT		0	0	0		-0.7	-0.4	+0.2	0.0	0.0	0.0
1.0 PFE	K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE	P_{CAL}										
0.1 PFE	PFE_c	6.4	2.5	2.0	2.5	4.8	3.6	5.4	2.4	2.2	3.6
3.0 MV	$P/2\pi$	55	677	3720	827	369	174	155	136	528	151
DRIFT	MCF	117	3.7	0.54	3.0	13	21	35	18	4.2	24
S. P.			+137						+1.0		
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 24, HALF W, SR. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE 7/29

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	0-1
RECEIVE		→	14			16				1-2
MULTIPLIER	0.1	0.1	10	10	1	0.1	1	10	1	1.0
PFE	5.5	4.1	3.2	2.8	4.0 4.1	4.4	4.2	3.5	4.7	0
CUR. (AMPS)	1.5	2.5	1.5	1.5	1	1	1.5	1.5	1	1.0
POINT NO.										
SEP. (n)										
H. F. MV	3.87	2.46	110	193	24.8	8.59	88.3	169	26.3	102.3
DRIFT	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+.15
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	5.6	4.2	3.2	2.8	4.0	4.4	4.2	3.5	4.7	
3.0 MV $\rho/2\pi$	53	32	430	1510	509	282	691	2313	864	
DRIFT MCF	106	130	7.4	1.9	7.9	16	6.1	1.5	5.4	
S. P.			+5.2				-13.2			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE 24, HALF EAST, SP. _____, DATE JULY 24, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	~~3-4~~	3-4	2-3	2-3	1-2	4-5	3-4	2-3
RECEIVE										
RANGE	x10(0+200)	x10(0+100)	~~x10(0+200)~~	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)
VOLTAGE	520	400	~~540~~	450	580	360	440	410	400	380
CURRENT	2	1	~~1.5~~	1	1	2	2	2	2	2
SEND	1-2	5-6	4-5	3-4	2-3	1-2	CA 6-7	6-7	5-6	4-5
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+200)
VOLTAGE	440	300	480	400	380	440	100	200	260	500
CURRENT	2	2	2	2	2	2	1	2	2	2

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS: JULY 25, ↑2-3 → 4-5 INCLUSIVE

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE 24, HALF EAST, SP. _____, DATE JULY 25, 1975

PAGE 2

HEINRICHS GEOEX

SEND	3-4	2-3	1-2	~~6-7~~	~~6-7~~	6-7	5-6	4-5	3-4	2-3
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+300)	x10(50+200)	x10(50+200)	x10(0+200)	x10(0+200)	x10(0+200)
VOLTAGE	420	380	440	~~200~~	~~300~~	250	350	~~780~~ 550	440	400
CURRENT	2	2	2	~~2~~	~~3~~	2.5	2.5	2	2	2
SEND	6-7	5-6	4-5	3-4	~~6-7~~	6-7	5-6	4-5		
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+300)	x10(0+300)	x10(0+300)	x10(50+100)		
VOLTAGE	200	330	620	480	~~200~~	300	540	550		
CURRENT	2	2	2	2	~~2~~	3	3	1.5		

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 24, HALF WEST, SP. _____, DATE JULY 25, 1975

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	C-A 1-2
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+100)
VOLTAGE	350	480	340	200	390	510	440	350	200	220
CURRENT	1	1	1	2	2	2	1	1	2	1
SEND	1-2	2-3	3-4							
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)							
VOLTAGE	480	400	550							
CURRENT	2	2	2							

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE 24, HALF WEST, SP. _____, DATE JULY 29, 1975

PAGE 1

HEINRICHS GEOEX

SEND	4-5	5-6	~~6-7~~	6-7	1-2	2-3	3-4	4-5	5-6	1-2
RECEIVE					12					
RANGE	x10(50+100)	x10(50+200)	~~x10(50+100)~~	x10(0+100)	x10(0+100)	x10(50+100)	x10(50+100)	x10(50+100)	x10(50+200)	x10(50+100)
VOLTAGE	340	270	~~380~~	280	280	340	390	400	320	400
CURRENT	1.5	2.5	~~1.5~~	1	1	1.5	1.5	1.5	2.5	1.5
SEND	2-3	~~3-4~~	3-4	4-5	1-2	2-3	3-4			
RECEIVE										
RANGE	x10(50+100)	~~x10(50+100)~~	x10(0+100)	x10(0+100)	x10(50+100)	x10(50+100)	x10(0+100)			
VOLTAGE	360	~~420~~	300	300	420	360	300			
CURRENT	1.5	~~1.5~~	1	1	1.5	1.5	1			

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB No. 1026, AREA B011

LINE 20S, HALF E, SR. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 23, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAT
RECEIVE	0-2 E →		2-4 E →			4-6 E →				6-6
MULTIPLIER	10	10	10	1.0	1.0	10	1.0	.1	10 0.1?	1.0
PFE	+2.5	+2.6	+1.8	+2.1	+2.4	+4.4	+5.7	+4.5	+4.3	-.05
CUR. (AMPS)	2	2	1	1	2	2	1	1 4.4	2	1.0
POINT No.										
SEP. (n)	1	2	1	2	3	1	2	3	4	
H. F. MV	402	157	536	39.2	42.7	296	30.7	71.0	136	102.5
DRIFT	0	0	0	0	0	+.1	+.1	+.2	0	+.05
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	118	184	315	92	125	87	72	42	80	
DRIFT MCF	21	14	5.7	23	19	51	79	106	54	
S. P.	+2.3		+4.0			+6.5				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 205, HALF F, SP. 1, a = 200', BEARING E/W

SENDER STA. 0 ~~0~~ E/W = ELECTRODE No. 4, DATE July 22 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8 E	→				8-10 E	→			
MULTIPLIER	10	1.0	1.0	.1	.1	10	1.0	1.0	.1	.1
PFE	+.95	+3.85	+5.1	+4.0	+4.6	+3.2	+3.4	+3.75	+4.65	+2.8
CUR. (AMPS)	1	3.61						3.8	4.7	0.5
POINT NO.										
SEP. (n)										
H. F. MV	179	51.8	16.3	5.10	6.13	106	29.6	16.3	6.32	1.7
DRIFT	0	0	0	+.1	0	0	0	0	0	+.2
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	105	122	96	60	126	62	69	96	74	48
DRIFT MCF	9.5	32	53	67	37	51	49	40	63	56
S. P.	+4.4					+10.8				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 20S, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 22, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 E ←				→	12-14 E			→
MULTIPLIER	1.1	1.0	1.0	1.0	0.1	0.1	1.0	0.1	0.1	0.1
PFE	+2.4	+1.5	+2.6	+3.4	+4.9	+2.75	+1.35	+2.4	+3.45	+4.4
CUR. (AMPS)	1						2	1	1	2
POINT NO.										
SEP. (n)										
H. F. MV	3.12	42.7	16.9	11.7	4.97	1.98	38.6	9.01	6.85	6.29
DRIFT	0	0	0	0	0	0	0	0	+.1	0
1.0 PFE $K_n/1000$	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	103	100	99	137	102	63	113	106	141	103
DRIFT MCF	23	15	26	25	48	44	12	23	25	43
S. P.		+9.5					+3.4			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 205, HALF E, SR. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 22, 1975

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14 86	→								
MULTIPLIER		1.0	0.1	0.1							
PFE		+.75	+2.2	+3.3							
CUR. (AMPS)		2	1	1							
POINT NO.											
SEP. (n)											
H. F. MV		3.01	7.00	6.04							
DRIFT		0	0	0							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c										
3.0 MV	$\rho/2\pi$	177	144	198							
DRIFT	MCF	4.5	15	17							
S. P.		-2.2									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 20S HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 24, 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2W	2-4W	4-6W	→	→	→	6-8W	—	—	—
MULTIPLIER			10	10	1.0	1.0	10	10	1.0	1.0
PFE			+1.1	+3.6	+4.8	+5.2	+1.4	+1.5	+3.8	+4.1
CUR. (AMPS)			1.5	1.5	1	2	2	2	1	1
POINT No.										
SEP. (n)			1	2	3	4	1	2	3	4
H. F. MV			84.6	118	20.0	10.4	8.35	475	50.4	14.8
DRIFT			0	-.15	-.1	-.05	0	-.1	0	0
1.0 PFE K_n/1000			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE P_{CAL}										
0.1 PFE PFE_c										
3.0 MV $P/2\pi$			319	185	117	61	245	557	296	174
DRIFT MCF			3.4	20	41	85	5.7	2.7	13	24
S. P.	-10.3	+10.3	+2.7			+21.5				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 20S, HALF W, SP. [redacted], a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 24, 1978

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	12-2	2-3	3-4
RECEIVE	→	8-10 W	→	→	→	→	→	10-12 W	→	→
MULTIPLIER	1.0	10	10	10	1.0	0.1	0.1	10	1.0	1.0
PFE	+5.2	+1.4	+1.35	+1.4	+3.2	+3.9	+4.65	+2.3	+2.15	+2.4
CUR. (AMPS)	2	2	2	2	1	1	2	2	2	2
POINT NO.										
SEP. (n)										
H. F. MV	10.8	1025	204	148	17.0	5.05	3.90	224	82.2	85.9
DRIFT	-.1	0	0	0	0	-.2	-.2	+.2	0	0
1.0 PFE K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	111	301	239	434	200	104	64	263	241	504
DRIFT MCF	47	4.7	5.8	3.2	16	39	75	8.4	9.1	4.8
S. P.		-8.4						+7.2		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1024, AREA Boll

LINE 20S, HALF W, SR. 1, a = 200', BEARING B/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 24, 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAL
RECEIVE	→	→	12-14W	→	→	→	→	→	→	1-2
MULTIPLIER	1.0	0.6	10	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	~~+4.2~~	+4.4	+2.7	+2.4	+2.6	+4.0	+2.65	+1.95	2.1	~~+.2~~
CUR. (AMPS)	+4.24	0.5	2	2	2	1	2	2	2	1.0
POINT NO.	1									
SEP. (n)		34.2								
H. F. MV	12.6	~~48.0~~	225	93.8	107.1	18.0	40.9	19.2	24.4	1.02.0
DRIFT	.3	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	259	159	660	550	1100	591	240	197	401	
DRIFT MCF	16	27	4.1	4.4	2.4	6.8	11	10	5.2	
S. P.			-12.0				-2.5			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE 20, HALF EAST, SP. _____, DATE JULY 23, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	~~3-4~~	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE										
RANGE	X10(0+200)	X10(0+200)	~~X10(0+100)~~	X10(0+100)	X10(0+100)	X10(0+200)	X10(6+200)	X10(0+100)	X10(0+100)	X10(0+200)
VOLTAGE	320	300	~~600~~	480	400	320	480	490	450	340
CURRENT	2	2	~~1½~~	1	1	2	2	1	1	2
SEND	C A 6-7	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)
VOLTAGE	140	200	260	440	480	190	150	200	260	540
CURRENT	1	1	1	1	1	1	1	1	1	1

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL MURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 20, HALF EAST, SP. _____, DATE JULY 23, 1975

PAGE 2

HEINRICHS GEOEX

SEND	2-3	1-2	6-7	5-6	4-5	3-4	~~2-3~~	2-3	6-7	~~5-6~~
RECEIVE										
RANGE	x5(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	~~x2(25+100)~~	x10(0+100)	x10(0+200)	~~x10(0+200)~~
VOLTAGE	300	200	150	220	260	520	~~200~~	120	420	~~750~~
CURRENT	~~1/2~~	1	1	1	1	1	~~+25~~	1	2	
SEND	5-6	4-5	3-4	6-7	5-6	4-5				
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+100)				
VOLTAGE	450	400	450	350	400	440				
CURRENT	1	1	2	2	1	1				

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

↑2-3→4-5 INCLUSIVE
JULY 24

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 20, HALF WEST, SP. _____, DATE JULY 24, 1975

PAGE 1

HEINRICHS GEOEX

SEND	~~4-5~~	4-5	3-4	5-6	6-7	2-3	3-4	~~4-5~~	4-5	5-6
RECEIVE										
RANGE	~~x10(0+100)~~	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+200)	~~x10(0+100)~~	x10(0+100)	x10(0+100)
VOLTAGE	~~440~~	700	350	520	520	240	490	~~760~~	550	620
CURRENT	~~1~~	1.5	1.5	1	2	2	2		1	1
SEND	6-7	CA 1-2	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3
RECEIVE										
RANGE	x10(0+200)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+200)
VOLTAGE	580	160	320	230	500	520	620	620	240	240
CURRENT	2	1	2	2	2	1	1	2	2	2

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. _____ AREA DELL

LINE 20, HALF WEST, SP. _____, DATE JULY 24, 1975

PAGE 2

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE										
RANGE	x10(6+200)	x10(0+100)	x5(6+100)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+200)
VOLTAGE	500	540	500	340	220	420	680	350	220	440
CURRENT	2	1	½	2	2	2	1	2	2	2
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 16.S, HALF E, SR. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 23, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-2E	→	2-4E	→	→	4-6E	→	→	→	6-7
MULTIPLIER	10	10	10	1.0	1.0	10	1.0	1.0	1.0	1.0
PFE	+1.0	+1.3	+1.25	+.25	+.65	+1.7	+3.15	+2.3	+2.8	+1.0
CUR. (AMPS)	2	→	→	→	→	→	→	→	→	1.0
POINT NO.										
SEP. (n)										
H. F. Mv	274	175	392	70.8	68.1	169	85.1	25.4	31.0	102.2
DRIFT	0	0	0	0	0	0	+.5	0	0	0
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	1.0	1.3	1.3	0.3	0.7	1.7	3.1	2.3	2.8	
3.0 MV $P/2\pi$	161	410	230	166	399	99	199	149	363	
DRIFT MCF	6.2	3.2	5.7	1.8	1.8	17	16	15	7.7	
S. P.	-10.3		-31.2			+34.4				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 165, HALF E, SR. 1, a = 200, BEARING E/W

SENDER STA. 00EN = ELECTRODE NO. 4, DATE July 23, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8E	→	→	→	→	8-10E	→	→	→	→
MULTIPLIER	10	1.0	1.0	1.0	1.0	10	1.0	1.0	1.0	.1
PFE	+16.0	+2.4	+3.65	+2.7	+3.1	+2.55	+2.9	+2.7	+3.7	+2.55
CUR. (AMPS)	2	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)	1	2	3	4	5	1	2	3	4	5
H. F. MV	191	55.9	46.7	17.9	23.8	23.8	37.0	18.8	18.3	7.56
DRIFT	+.05	0	6	0	0	0	0	-.05	+.1	0
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.6	2.4	3.7	2.7	3.1	2.6	2.9	2.7	3.7	2.6
3.0 MV $\rho/2\pi$	112	131	274	210	488	139	87	110	214	155
DRIFT MCF	14	18	14	13	6.4	19	33	25	17	17
S. P.	+5.0					-5.0				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 165, HALF E, SR. 1, a = 200, BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 23, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 E	→	→	→	→	12-14 E	→	→	→
MULTIPLIER	.1	1.0	1.0	1.0	1.0	.1	1.0	1.0	.1	.1
PFE	+2.95	+1.35	+2.15	+2.0	+3.15	+2.05	+1.25	+2.2	+2.5	+3.3
CUR. (AMPS)	2	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)										
H. F. MV	16.70	58.7	16.4	10.1	10.5	4.51	41.8	13.8	9.12	9.82
DRIFT	0	0	0	-.1	+.1	0	0	0	0	0
1.0 PFE / K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE / ρ_{CAL}										
0.1 PFE / PFE_c	3.0	1.4	2.2	2.0	3.1	2.1	1.3	2.2	2.3	3.3
3.0 MV / $\rho/2\pi$	351	138	96	118	215	148	245	162	187	322
DRIFT / MCF	8.5	10	23	17	14	14	5.3	14	12	10
S. P.		+6.8					-1.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 16S, HALF E, SR. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 23, 1975

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16	E →								
MULTIPLIER		1.0	.1	.1							
PFE		+.85	+2.2	+2.2							
CUR. (AMPS)		2 →									
POINT No.											
SEP. (n)											
H. F. MV		18.5	6.72	4.70							
DRIFT		D	G	G							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	0.9	2.2	2.2							
3.0 MV	$\rho/2\pi$	217	138	154							
DRIFT	MCF	4.2	16	14							
S. P.		+1.9									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 165, HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. 00 FW = ELECTRODE NO. 4, DATE July 23, 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2W	2-4W	4-6W	→	→	→	6-8W	→	→	→
MULTIPLIER	~~10~~	~~10~~	10	10	1.0	1.0	10	10	1.0	
PFE	~~+1.2~~		+1.2	+1.25	+.75	+2.7	+1.05	+1.25	+1.05	+.75
CUR. (AMPS)			2	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)			1	2	3	4	1	2	3	4
H. F. MV	~~[illegible]~~		908	172	66.4	31.3	559	259	74.9	47.4
DRIFT	~~0~~		0	0	0	0	0	0	-.1	0
1.0 PFE $K_n/1000$			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c			1.2	1.3	0.8	2.7	1.1	1.3	1.1	0.8
3.0 MV $\rho/2\pi$			532	403	407	367	328	607	439	555
DRIFT MCF			2.3	3.2	2.0	7.4	3.4	2.1	2.5	1.4
S. P.	-6.8	-15.0	+31.5				-7.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 10-26, AREA Bell

LINE 165, HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 23, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10W	→	→	→	→	→	10-12W	→	→
MULTIPLIER	1.0	10	1.0	1.0	10	0.1	0.1	10	1.0	1.0
PFE	+2.75	+1.55	+1.75	+1.5	+1.65	+1.25	+2.1	+2.4	+2.0	+2.6
CUR. (AMPS)	2	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)										
H. F. MV	24.3	244	47.6	31.0	10.6	5.86	3.20	340	92.0	91.5
DRIFT	0	0	+.1	0	0	0	0	0	0	0
1.0 PFE K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.8	1.6	1.4	1.5	1.7	0.3	2.1	2.4	2.0	2.6
3.0 MV $\rho/2\pi$	498	193	112	182	124	120	105	797	539	1070
DRIFT MCF	5.6	11	13	8.3	14	2.5	20	3.0	3.7	2.4
S. P.		-12.6						~~-3.5~~	+3.7	
NOISE										
POT RES.										
CULT & CMTS		CROSS BED								

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 16 S, HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. 00 EW = ELECTRODE NO. 4, DATE July 23, 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	PA1
RECEIVE	→	→	12-NW	→	→	→	14-16W	→	→	1-2
MULTIPLIER	1.0	1.0	10	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+2.05	+2.1	+2.2	+1.75	+2.55	+2.0	+1.95	+1.40	+2.35	-.1
CUR. (AMPS)	2	→	→	→	→	→	→	→	→	1.0 We 0.0
POINT NO.										
SEP. (n)										
H. F. MV	36.5	30.2	13.2	41.9	46.1	19.9	41.3	13.8	16.9	102.6
DRIFT	0	0	+.1	0	-.05	0	0	0	+.05	0
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	2.1	2.1	2.2	1.8	2.6	2.0	2.0	1.4	2.3	
3.0 MV $P/2\pi$	749	991	773	491	945	653	484	283	555	
DRIFT MCF	2.8	2.1	2.8	3.7	2.8	3.1	4.1	4.9	4.1	
S. P.			-12.1				+.1			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE 16, HALF WEST, SP. _____, DATE JULY 22, 1975

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	CA 1-2
RECEIVE										
RANGE	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+100)
VOLTAGE	260	280	240	240	200	280	320	260	240	220
CURRENT	2	2	2	2	2	2	2	2	2	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE										
RANGE	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)
VOLTAGE	440	220	290	320	280	240	480	220	300	260
CURRENT	2	2	2	2	2	2	2	2	2	2

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE 16, HALF WEST, SP. _____, DATE JULY 23, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE										
RANGE	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)	X10(0+200)		
VOLTAGE	260	500	220	300	380	500	230	340		
CURRENT	2	2	2	2	2	2	2	2		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE 16, HALF EAST, SP. _____, DATE JULY 23, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CA 6-7
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+100)
VOLTAGE	240	500	230	240	500	400	350	240	500	200
CURRENT	2	2	2	2	2	2	2	2	2	1
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)
VOLTAGE	320	430	360	240	500	270	320	440	360	240
CURRENT	2	2	2	2	2	2	2	2	2	2

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P SENDER NOTES

JOB NO. _____ AREA BELL

LINE 16, HALF EAST, SP. _____, DATE JULY 23, 1975

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)	x10(0+200)
VOLTAGE	500	280	340	470	380	240	290	260	480	380
CURRENT	2	2	2	2	2	2	2	2	2	2
SEND	6-7	5-6	4-5							
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)							
VOLTAGE	300	360	500							
CURRENT	2	2	2							

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 125, HALF E, SP. 1, a = 2001, BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE AUG. 1, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	RA1
RECEIVE	0-2E	→	2-4E	→	→	4-6E	→	→	→	6-7
MULTIPLIER	10	10	1.0	1.0	1.0	10	1.0	1.0	1.0	1.0
PFE	+.5	+1.0	+.2	+.3	+.3	+.1	+.7	+.7	+1.1	~~-.6~~
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	was -.2
POINT NO.										1.0
SEP. (n)	1	2	1	2	3	1	2	3	4	
H. F. MV	227	170	14.4	23.5	37.3	131	38.6	15.8	28.2	97.4
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6	8.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	0.7	1.2	0.4	0.5	0.5	0.3	0.9	0.9	1.3	
3.0 MV $\rho/2\pi$	140	419	45.8	57.9	230	80.7	95.1	97.3	347	
DRIFT MCF	5.0	2.9	8.7	8.6	2.2	3.7	9.5	9.2	3.7	
S. P.	+15.7		+16.9			+16.9				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1028, AREA Bell

LINE 12-S, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE AUG. 1, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	8-8E	→			→	8-10E	→			
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1
PFE	+1.2	+1.8	+1.9	+2.2	+2.4	+1.5	+1.9	+1.9	+2.0	+2.0
CUR. (AMPS)	1	→	→							
POINT NO.										
SEP. (n)	1	2	3	4	5	1	2	3	4	5
H. F. MV	87.1	51.7	22.0	11.5	23.0	96.7	27.0	22.2	10.7	6.18
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.4	2.0	2.1	2.4	2.6	0.7	1.1	2.1	2.2	2.2
3.0 MV $\rho/2\pi$	53.7	127	136	142	496	59.6	66.5	137	132	133
DRIFT MCF	26	16	15.5	16.9	5.2	11.8	16.5	15.4	16.7	16.5
S. P.	+14.6					+16.9				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Boll

LINE 12S, HALF E, SR. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE AUG 1, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12E	—	—	—	→	12-14E	—	—	→
MULTIPLIER	1.0	1.0	1.0	1.0	0.1	0.1	1.0	0.1	0.1	0.1
PFE	+2.5	+.5	+.8	+2.1	+1.5	+2.0	+.6	+.3	+1.7	+1.4
CUR. (AMPS)	1	→	→	→						
POINT NO.										
SEP. (n)	6	2	3	4	5	6	3	4	5	6
H. F. MV	12.6	30.9	11.5	10.6	5.51	3.27	13.8	6.44	6.55	3.57
DRIFT	0	0	0	0	0	+.2	0	0	0	0
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	2.7	0.7	1.0	2.3	1.7	2.1	0.7	0.5	1.0	1.6
3.0 MV $\rho/2\pi$	435	76	71	131	119	113	85	79	79	123
DRIFT MCF	6.2	9.2	14	18	14	19	8.2	6.3	6.3	13
S. P.		+19.6					+19.3			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 125, HALF E, SR. 1, a = 200', BEARING E/W

SENDER STA. 80 EW = ELECTRODE NO. 4, DATE AUG 1, 1975

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16	→	→							
MULTIPLIER		0.1	0.1	0.1							
PFE		+.1	+.4	+1.8							
CUR. (AMPS)		1	→	→							
POINT NO.											
SEP. (n)		4	5	6							
H. F. MV		5.35	2.64	2.81							
DRIFT		0	0	0							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	P_{CAL}										
0.1 PFE	PFE_c	0.3	0.6	2.0							
3.0 MV	$P/2\pi$	66	57	97							
DRIFT	MCF	4.6	11	21							
S. P.		+5.4									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 125, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA. 00 EW = ELECTRODE No. 4, DATE 8/1

PAGE 1

HEINRICHS GEOEX

SEND	—	—	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2	2-4	4			6 W	6			
MULTIPLIER			10	10	1	1	10	1	1	0.1
PFE			1.3	1.2	0.4	1.3	3.3	3.5	3.8	3.0
CUR. (AMPS)			1				0.75			
POINT No.										
SEP. (n)			1	2	3	4	1	2	3	4
H. F. MV			513.0	166.0	37.8	26.4	157.0	56.0	30.3	8.58
DRIFT			-.2	0.0	0.0	0.0	0.0	0.0	0.0	+.4
1.0 PFE K_n/1000			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c			1.5	1.3	0.5	1.4	3.4	3.6	3.9	2.9
3.0 MV $\rho/2\pi$			316	409	233	325	128	138	187	106
DRIFT MCF			4.7	3.2	2.1	4.3	2.6	2.6	2.1	2.7
S. P.	+14.7	+8.1	+13.6				-68.7			
NOISE										
POT RES.										
CULT & CMTS							WASH			

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 125, HALF W, SR. 1, a = 200', BEARING E-W

SENDER STA. 00 EW = ELECTRODE No. 4, DATE 8/1

PAGE 2

HEINRICHS GEOEX

SEND	6-7	CAL	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3
RECEIVE	~~6~~ 7W	1-2	8					10W	10	
MULTIPLIER	0.1	1	10	1	1	1	0.1	0.1	1	1
PFE	4.0	-0.1	1.3	2.1	1.7	2.1	0.9	1.8	1.3	1.9
CUR. (AMPS)	1			.78						
POINT NO.										
SEP. (n)	5		1	2	3	4	5	6	2	3
H. F. MV	6.32	96.9	243.0	38.1	30.6	26.5	10.11	8.14	105.2	28.6
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0 PFE K_n/1000	21		0.6	2.4	6	12	21	33.6	2.4	6
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	4.1		1.4	2.2	1.8	2.2	1.0	1.9	1.4	2.0
3.0 MV $P/2\pi$	136		150	126	189	326	218	281	259	176
DRIFT MCF	30		9.4	17	9.5	6.7	4.6	6.8	5.4	11
S. P.			-10.3						+20.0	
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 125, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA 00EW = ELECTRODE No. 4, DATE 8/1

PAGE 3

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE			12W	12			14W	14		16W
MULTIPLIER	1	1	0.1	1	1	0.1	0.1	1	1	1
PFE	1.4	2.0	0.7	1.7	2.0	1.3	1.6	1.5	2.0	1.3
CUR. (AMPS)	1									
POINT No.										
SEP. (n)	4	5	6	3	4	5	6	4	5	6
H. F. MV	19.4	17.9	7.29	54.8	15.0	10.01	8.97	56.5	15.8	10.8
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0 PFE K_n/1000	12	21	33.6	6	12	21	33.6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.5	2.1	0.8	1.8	2.1	1.4	1.7	1.6	2.1	1.4
3.0 MV $\rho/2\pi$	239	386	251	338	185	216	309	696	341	373
DRIFT MCF	6.3	5.4	3.2	5.3	11	6.5	5.5	2.3	6.2	3.8
S. P.				+8.2				+3.8		
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 126, HALF EAST, SP. _____, DATE AUG 1, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)
VOLTAGE	260	150	170	260	150	120	170	260	150	120
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	4-5	3-4	2-3	1-2	CA ~~1-2~~	~~1-2~~	CA 6-7	6-7	5-6	6-7
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	~~x10(0+100)~~	~~x10(0+100)~~	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)
VOLTAGE	120	180	260	150	~~150~~	~~150~~	90	90	120	90
CURRENT	1	1	1	1	~~1~~	~~1~~	1	1	1	1

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

REPEAT

I. P. SENDER NOTES

PAGE 2

HEINRICHS GEOEX

JOB NO. 1026 AREA BELL

LINE 125 HALF EAST, SP. 1, DATE AUG. 4, 1975

SEND	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7
RECEIVE										
RANGE	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)
VOLTAGE	120	170	260	150	90	120	120	180	260	90
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	5-6	4-5	6-7	5-6	4-5					
RECEIVE										
RANGE	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)	x10(6+100)					
VOLTAGE	120	120	90	120	120					
CURRENT	1	1	1	1	1					

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 12S, HALF WEST, SP. 1, DATE AUG 1, 1975

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	5-6	2-3	3-4	4-5	5-6	6-7
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(75+0)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)
VOLTAGE	300	130	150	120	140	250	275	140	150	120
CURRENT	1	1	1	1	1	.75	1	1	1	1
SEND	C,A 1-2	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(75+0)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)
VOLTAGE	240	240	250	170	130	120	100	150	270	170
CURRENT	1	1	.75	1	1	1	1	1	1	1

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR RICK JOHNSON

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 12S, HALF WEST, SP. 1, DATE AUG 1, 1975

PAGE 2

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	
VOLTAGE	120	130	150	270	170	120	150	260	180	
CURRENT	1	1	1	1	1	1	1	1	1	
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES	
SENDER No.	
OPERATOR	TED MERIKLE
RECEIVER No.	
OPERATOR	RICK JOHNSON

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 8S, HALF E, SP. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 18, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-2E	→	2-4E	→	→	4-6E	→	→	→	6-7
MULTIPLIER	100	10	10	10	10	100	10	10	1	1
PFE	1.7 1.5 1.6	1.9 2.0	1.5 1.0	1.9 2.0 2.1	2.3	1.5 1.6	1.6 1.7 1.0	1.9 2.0	2.0	-0.2
CUR. (AMPS)	2	2	3	2.5	2	5	2.5	2.5	2	1.0
POINT NO.										
SEP. (n)	1	2	1	2	3	1	2	3	4	
H. F. MV	1350	586	817	319	146	3030	162	110	64.5	102.2
DRIFT	0.0	0.0	0.0	0.0	0.0	+0.2	0.0	0.0	0.0	0.0
1.0 PFE K_n/1000	0.6	2.4	.6	2.4	6	.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.7	2.2	1.7	2.2	2.5	1.6	1.9	2.1	2.2	
3.0 MV $\rho/2\pi$	397	689	160	300	429	356	152	259	379	
DRIFT MCF	4.3	3.2	11	7.3	5.8	4.5	12	8.1	5.8	
S. P.	+16.2		+32.1			+7.7				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 8S, HALF E, SP. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 18, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8E	→	→	→	→	8-10E	→	→	→	→
MULTIPLIER	100	10	1	1	1	100	10	10	1	1
PFE	1.0 1.1	1.9	2.4 2.5 2.6	2.2 2.3 2.7	2.2 2.3	1.1 1.2	1.0	1.6	2.5	2.5
CUR. (AMPS)	4	5	3	2.5	2.5	5	3.45	5	3	2.5
POINT NO.										
SEP. (n)	1	2	3	4	5	1	2	3	4	5
H. F. MV	1270	482	57.1	41.9	33.0	2390	461	~~1.08~~ 2.46	41.4	32.3
DRIFT	0.0	0.0	+0.2	0.0	0.0	+0.2	0.0	9-0.4	0.0	0.0
1.0 PFE K_n/1000	.6	2.4	6	12	21	.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.2	2.1	2.6	2.5	2.4	1.2	1.2	2.0	2.7	2.7
3.0 MV $\rho/2\pi$	187	227	112	197	271	281	36 / 24	289	162	266
DRIFT MCF	6.4	9.3	23	13	8.8	4.3	~~3.3~~ 5.2	6.9	17	10
S. P.	+16.4					+7.0				
NOISE										
POT RES.										
CULT & CMTS								NO154		

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 8S, HALF E, SR. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 18-75

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12E	→	→	→	→	12-14E	→	→	→
MULTIPLIER	1	10	1	1	1	1	1	1	1	0.1
PFE	2.9 3.0	1.7 1.8	1.8	2.4	2.9 3.0	3.5	1.6 1.7	2.0	2.5	2.7
CUR. (AMPS)	2.5	4	4.5	5	3.5	2.5	3	3	4	3.5
POINT NO.										
SEP. (n)	6	2	3	4	5	6	3	4	5	6
H. F. MV	24.5	218	89.5	67.5	19.2	13.0	35.4	21.9	18.2	7.69
DRIFT	+0.2	0.0	0.0	-0.4 ± .2	0.0	+0.7	0.0	+0.2	0.0	-0.7
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	3.0	1.9	2.0	2.8	3.2	3.6	1.9	2.1	2.7	3.0
3.0 MV $P/2\pi$	323	129	117	159	113	171	69	86	94	72
DRIFT MCF	9.3	15	17	18	28	21	27	24	29	41
S. P.		+3.7					+5.2			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA BELL

LINE 8S, HALF E, SP. 1, a = 200', BEARING E-W

SENDER STA. 00 EW = ELECTRODE No. 4, DATE 7/18

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16E	→	→							
MULTIPLIER		1	1	1							
PFE		1.3	.9 1.0	2.3							
CUR. (AMPS)		4	4.5	4.5							
POINT No.											
SEP. (n)		4	5	6							
H. F. MV		24.9	1.48	1.31							
DRIFT		0.0	-0.2	0.0							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	1.5	1.2	2.5							
3.0 MV	$\rho/2\pi$	73	68	96							
DRIFT	MCF	21	18	26							
S. P.		0.0									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 10-26, AREA Bell

LINE 85, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA. 00 EW = ELECTRODE NO. 4, DATE July 18-1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2	2-4	4-6W	→	→	→	6-8W	→	→	→
MULTIPLIER			100	10	10	1.0	100	100	10	10
PFE			+2.0	+1.5	+1.9	+1.6	+2.5	+3.0	+2.25	+2.7
CUR. (AMPS)			3	2	2	2	2	2	3	3
POINT NO.										
SEP. (n)			3170							
H. F. MV			32.2	65.9A	14.2A	59.9	69.7A	12.8A	75.2A	21.0A
DRIFT			-.2	0	0	0	+.2	0	0	0
1.0 PFE K_n/1000			.6	2.4	6	12	.6	2.4	6	12
0.3 PFE ρ_{CAL}	use -0.2 calibrat									
0.1 PFE PFE_c	+0.6	Note!	2.3	1.7	2.1	1.8	2.6	3.2	2.5	2.9
3.0 MV $\rho/2\pi$			621	657	417	352	2050	1500	1470	823
DRIFT MCF			3.7	2.6	5.0	5.1	1.3	2.1	1.7	3.5
S. P.	-9.4	-9.9	+55.3				-16.9			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 4S, HALF W, SR. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 18, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10W	→	→	→	→	→	10-12W	→	→
MULTIPLIER	1.0	100	10	1.0	1.0	1.0	.1	10	1.0	1.0
PFE	+2.45	+3.5	+3.1	+3.7	+2.8	+4.0	+3.2	+2.0	+2.1	+2.5
CUR. (AMPS)	3	2	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)	5	1	2	3	4	5	6	2	3	4
H. F. MV	94.4	40.9	22.7	101.7	56.9	17.8	106.3	15.7	83.4	38.7
DRIFT	0	0	0	0	0	0	+.2	0	0	0
1.0 PFE K_n/1000	21	.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.5 2.7	3.5 3.1	3.1 3.3	3.7 3.9	2.8 3.0	4.6 4.2	3.1 3.3	2.0 2.2	2.1 2.3	2.5 2.7
3.0 MV $\rho/2\pi$	647	1200	267	299	334	183	175	185	245	227
DRIFT MCF	9.2	3.1	12	13	9.0	23	19	12	9.4	12
S. P.		+10.5						+4.9		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE ~~45~~ 55, HALF W, SP. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE No. 4, DATE 7/18

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAL
RECEIVE	→	→	12-14W	→	→	→	14-16W	→	→	1-2
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+2.0	+1.7	+2.2	+2.4	+2.75	+2.0	+2.1	+2.1	+2.9	0
CUR. (AMPS)	2	→	→	→	→	→	→	→	→	1.0
POINT No.										
SEP. (n)	5	6	3	4	5	6	4	5	6	
H. F. MV	41.9	18.8	90.2	52.5	26.3	29.4	61.1	35.2	17.8	102.0
DRIFT	0	0	0	+.2	0	0	0	+.1	0	0
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	2.0 2.2	1.7 1.9	2.7 2.4	2.3 2.5	2.6 2.9	2.0 2.2	2.1 2.3	2.1 2.3	2.9 3.1	
3.0 MV $P/2\pi$	431	309	265	309	270	484	359	362	293	
DRIFT MCF	5.1	6.1	9.1	8.1	11	4.5	6.4	6.4	11	
S. P.			+1.4				+10.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 95 AREA BELL

LINE 1, HALF EAST, SP. _____, DATE JULY 18, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	Gd
RECEIVE	0 →	→ E	2	→	4 E	4	→	→	6 E	
RANGE	100X20	100X20	150X20	125X20	100X20	250X20	250X10	250X10	200X10	100X10
VOLTAGE	550	750	600	700	750	500	500	740	750	130
CURRENT	20	2.0	3.0	2.5	2.0	5.0	2.5	2.5	2.0	1.0
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6 →	→	→	→	8 E	8	→	→	→	→
RANGE	200X20	250X20	300X10	250X10	250X10	250X20	300X10	200X20	150X20	250X10
VOLTAGE	500	500	600	740	925	510	360	480	600	720
CURRENT	4.0	5.0	3.0	2.5	2.5	5.0	3.0	5.0	3.0	2.5

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE 93

RECEIVER No.

OPERATOR

COMMENTS:

4.5? 4.0?

I. P. SENDER NOTES

JOB No. 85 AREA Bell

LINE 1, HALF East, SP. _____, DATE July 18

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→10E									
RANGE	250X10	200X20	225X20	250X20	350X10	250X10	300X10	300X10	400X10	350X10
VOLTAGE	940	400	525	480	700	700	300	500	380	700
CURRENT	2.5	2.0	4.5	5.0	3.5	2.5	3.0	3.0	4.0	3.5
SEND	6-7	5-6	4-5							
RECEIVE										
RANGE	400X10	450X10	450X10							
VOLTAGE	500	530	420							
CURRENT	4.0	4.5	4.5							

FREQUENCIES	
SENDER No.	
OPERATOR	JB
RECEIVER No.	
OPERATOR	

COMMENTS:

I. P. SENDER NOTES

JOB No. 85 AREA BELL

LINE 1, HALF WEST, SP. _____, DATE JULY 18, 1975

PAGE 1

HEINRICHS GEOEX

SEND	3-4	~~4-5~~	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7
RECEIVE										
RANGE	300X10	~~300X10~~	200X10	200X10	200X10	200X10	200X10	300X10	300X10	300X10
VOLTAGE	600	~~280~~	400	240	240	560	400	280	250	260
CURRENT	3.0	~~3.0~~	2.0	2.0	2.0	2.0	2.0	3.0	3.0	3.0
SEND	CAL 1-2	1-2	2-3	34	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE										
RANGE	100X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10
VOLTAGE	420	740	540	390	190	230	240	720	550	380
CURRENT	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE _____, HALF WEST, SP. _____, DATE JULY 18, 1975

PAGE 2

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	
RECEIVE										
RANGE	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	
VOLTAGE	200	220	730	540	380	190	720	550	380	
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 102[redacted] AREA Bell

LINE 45, HALF E, SP. 1, a = 200, BEARING E-W

SENDER STA. 00 EW = ELECTRODE NO. 4, DATE July 19, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-2 →		2-4 →			4-6 →				
MULTIPLIER	10	10	10	10	10	100	10	10	1.0	
PFE	+1.85	+2.0	+1.8	+1.6	+1.7	[redacted]	+1.3	+1.25	+1.6	-.1
CUR. (AMPS)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
POINT NO.										
SEP. (n)	1	2	1	2	3	1	2	3	4	
H. F. MV	98.2	49.3	80.5	24.5	15.5	12.9	25.7	10.2	72.7	102.3
DRIFT	+.2	0	+.2	0	0	0	0	0	0	0
1.0 PFE K_n/1000	.6	2.4	.6	2.4	6	.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.9	2.1	1.8	1.7	1.8	0.8	1.4	1.4	1.7	
3.0 MV $\rho/2\pi$	288	578	236	287	455	378	301	299	426	
DRIFT MCF	6.6	3.6	7.6	5.9	4.0	2.1	4.6	4.7	4.0	
S. P.	+8.1		+7.6			-13.1				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 10-[redacted] AREA Bell

LINE 4S, HALF E, SP. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 19, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8E →					8-10 →				
MULTIPLIER	10	10	1.0	1.0	1.0	100	10	10	1.0	1.0
PFE	+1.75	+1.8	+2.45	+2.45	+2.85	+1.7	+1.25	+1.35	+2.45	+2.15
CUR. (AMPS)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
POINT NO.										
SEP. (n)	1	2	3	4	5	1	2	3	4	5
H. F. MV	58.2	25.2	88.7	33.8	79.1	12.2	26.4	18.9	85.3	40.1
DRIFT	0	0	0	0	0	+.1	0	0	0	-.1
1.0 PFE K_n/1000	.6	2.4	6	12	21	.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.9	1.9	2.6	2.6	3.0	.8	1.4	1.5	2.6	2.3
3.0 MV $\rho/2\pi$	171	296	259	228	299	358	310	525	500	412
DRIFT MCF	11	6.4	10	11	10	2.2	4.5	2.9	5.2	5.6
S. P.					[illegible]	-3.7				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 102[redacted] AREA Bell

LINE 4S, HALF E, SP. 1, a = 200', BEARING E W

SENDER STA. 00 EW = ELECTRODE NO. 4, DATE July 19, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12E	→	→	→	→	12-14E	→	→	→
MULTIPLIER	1.0	10	1.0	1.0	1.0	0.1	1.0	1.0	1.0	0.1
PFE	+2.45	+1.45	+2.0	+2.3	+3.0	+3.1	+2.0	+2.0	+2.05	+2.45
CUR. (AMPS)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
POINT NO.										
SEP. (n)	6	2	3	4	5	6	3	4	5	6
H. F. MV	30.1	11.0	37.5	30.2	17.1	85.1	29.6	12.7	11.3	79.5
DRIFT	0	0	0	0	0	0	+.1	0	0	0
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.6	1.6	2.1	2.4	3.1	3.2	2.1	2.1	2.2	2.6
3.0 MV $\rho/2\pi$	494	129	110	177	176	140	87	74	116	131
DRIFT MCF	5.3	12	19	14	18	23	24	28	19	20
S. P.		-11.7				+15.8				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 102[redacted] AREA Bell

LINE 4S, HALF E, SP. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 15-75

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-KoE	→	→							
MULTIPLIER		1.0	1.0	1.0							
PFE		+2.0	+1.95	+2.1							
CUR. (AMPS)		2.0	2.0	2.0							
POINT NO.											
SEP. (n)		4	5	6							
H. F. MV		22.8	11.8	11.4							
DRIFT		0	0	0							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	2.1	2.1	2.2							
3.0 MV	$\rho/2\pi$	134	121	187							
DRIFT	MCF	16	17	12							
S. P.		−12.5									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 102[redacted] AREA Bell

LINE 4S, HALF W, SR 1, a = 200, BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 2[redacted], 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2W	2-4W	4-6W	→	→	→	6-8			
MULTIPLIER			100	10	1.0	1.0	10	10.	1.0	1.0
PFE			+1.8	+2.1	+1.8	+1.65	+2.35	+2.5	+2.7	+2.35
CUR. (AMPS)			1	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)			1	2	3	4	1	2	3	4
H. F. MV			1470	255	85.2	39.8	369	302	92.0	39.5
DRIFT			0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$			882	612	511	477	221	725	552	474
DRIFT MCF			2.0	3.4	3.5	3.6	11	3.4	4.9	5.1
S. P.	+2.8	-2.0	-11.2				+23.3			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 102[redacted] AREA Bell

LINE YS, HALF W, SP. 1, a = 210', BEARING EW

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 21, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10W	→	→	→	→	→	10-12W	→	→
MULTIPLIER	1.0	10.0	10.0	10.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+2.15	+2.95	+2.5	+2.55	+2.6	+2.1	+1.8	+3.25	+2.75	+2.9
CUR. (AMPS)	/	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)	5	1	2	3	4	5	6	2	3	4
H. F. MV	21.1	517	173	175	61.4	29.5	16.8	108.0	53.7	62.5
DRIFT	0	0	0	0	+.1	0	0	+.05	0	+.1
1.0 PFE $K_n/1000$	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	443	310	415	1050	737	620	564	259	322	750
DRIFT MCF	5.0	9.7	6.0	2.5	3.5	3.4	3.2	13	8.7	3.9
S. P.		+3.3						+2.0		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 102[illegible] AREA Bell

LINE 45, HALF W, SP. 1, a = 200', BEARING E W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 21 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAL
RECEIVE	→	→	12-14W	→	→	→	14-16W	→	→	1-2
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.1	0.1	1.0
PFE	+2.6	+2.25	+2.75	+2.4	+2.35	+2.0	+2.8	+2.35	+2.45	-.25
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	1.0
POINT No.										
SEP. (n)	5	6	3	4	5	6	4	5	6	
H. F. MV	25.7	13.7	35.9	22.4	28.6	13.7	59.1	4.40	5.94	100.6
DRIFT	0	0	0	+.05	0	0	0	0	0	0
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	540	460	215	269	601	460	71	92	200	
DRIFT MCF	4.8	5.0	13	8.9	4.0	4.3	39	26	13	
S. P.			+3.8				-3.5			
NOISE										
POT RES.										
CULT & CMTS										

I. P SENDER NOTES

JOB No. 1026 AREA Bell

LINE 4S, HALF E, SP. 2, DATE July 19, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	<AC
RECEIVE	0 →	2E	2	→	4E			→	6E	6-7
RANGE	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	100X10
VOLTAGE	350	520	320	370	520	260	360	390	520	180
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE					→ 8E					→
RANGE	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10
VOLTAGE	230	280	360	400	520	260	290	280	370	400
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

FREQUENCIES

SENDER No.

OPERATOR

RECEIVER No. 83 JP

OPERATOR

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BEEL

LINE 45, HALF E, SP. 2, DATE JULY 19, 1975

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→10E	10	→	→	→	12E	12	→	→	→14E
RANGE	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10
VOLTAGE	510	260	240	280	380	400	260	240	290	380
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	6-7	5-6	4-5							
RECEIVE	14E	→	16E							
RANGE	200X10	200X10	200X10							
VOLTAGE	260	240	290							
CURRENT	2.0	2.0	2.0							

FREQUENCIES	
SENDER No.	
OPERATOR	JP.
RECEIVER No.	B
OPERATOR	

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 4, HALF WEST, SP. _____, DATE JULY 22, 1975

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	CA2
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)
VOLTAGE	220	200	180	200	220	220	200	160	200	280
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)
VOLTAGE	280	220	220	220	160	190	280	220	220	220
CURRENT	1	1	1	1	1	1	1	1	1	1

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE 4, HALF WEST, SP. _____, DATE JULY 22, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)		
VOLTAGE	160	280	220	220	220	280	220	230		
CURRENT	1	1	1	1	1	1	1	1		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

First Trial

VOID

I. P. SENDER NOTES

JOB No. 1026 AREA BEL

LINE 45, HALF E, SP. 1, DATE ~~JULY 2, 1975~~

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CA 2
RECEIVE	0-2 E	→	2-4E	→	→	4-6E	→	→	→	6-7
RANGE	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+100)	x10(0+100)	x10(0+300)	x10(0+200)	x10(0+100)	x10(0+100)	
VOLTAGE	360	440	360	350	440	200	360	350	430	
CURRENT	1	1	2	1	1	2	2	1	1	
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8E	→	→	→	→	8-10E	→	→	→	→
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x10 (0+100)	x10(0+100)	x10(0+200)	x10(0+200)	x10(0+300)	x10(0+200)	x10(0+100)
VOLTAGE	220	200	360	340	420	200	220	260	360	340
CURRENT	2	2	2	1	1	2	2	2.8	2	1

FREQUENCIES 0.3 & 3.0

SENDER No. MK-7 S/N

OPERATOR TED MERIKLE

RECEIVER No. MK-4C S/N

OPERATOR BILL HURLEY

COMMENTS:

I. P SENDER NOTES

First Trial

JOB No. 1026 AREA BL

LINE 45, HALF E, SP. 1, DATE VOID 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CA 2
RECEIVE	0-2E	→	2-4E	→	→	4-6E	→	→	→	6-7
RANGE	x10(+100)	x10(+100)	x10(+200)	x10(+100)	x10(+100)	x10(+200)	x10(+200)	x10(+100)	x10(+100)	
VOLTAGE	360	440	360	350	440	200	360	350	430	
CURRENT	1	1	2	1	1	2	2	1	1	
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8E	→	→	→	→	8-10E	→	→	→	→
RANGE	x10(+200)	x10(+200)	x10(+200)	x10(+100)	x10(+100)	x10(+200)	x10(+200)	x10(+200)	x10(+200)	x10(+100)
VOLTAGE	220	200	360	340	420	200	220	260	360	340
CURRENT	2	2	2	1	1	2	2	2	2	1

FREQUENCIES 2.3 & 3.0

SENDER No. MK-7 S/N

OPERATOR TED MERIKLE

RECEIVER No. MK-4C S/N

OPERATOR BILL HURLEY

COMMENTS:

First Trail

VOID

I. P. SENDER NOTES

JOB No. _____ AREA _____

LINE _____, HALF _____, SP. _____, DATE JULY 17, 1975

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	x10(0+100)	x10(0+300)	x10(0+200)	x10(0+200)	x10(34+100)	x10(0+100)	x10(0+300)	x10(0+200)	x10(0+300)	x10(0+200)
VOLTAGE	420	280	220	200	240	320	280	220	260	360
CURRENT	1	2.8	2	2	1.3	1	2.8	2	2.8	2
SEND	6-7	5-6	4-5	3-4	4-5	5-6	6-7	2-3	3-4	
RECEIVE										
RANGE	x10(0+200)	x10(0+200)	x10(0+200)	x3(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	
VOLTAGE	200	220	200	25	40	100	100	260	180	
CURRENT	2	2	2		1	1	1	1	1	

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA _____

LINE _____, HALF _____, SP. _____, DATE JULY 17, 1975

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300
VOLTAGE	420	290	320	200	250	350	280	320	260	360
CURRENT	1	2.8	2	3	1.8	1	2.8	2	2.8	2
SEND	2-7	5-6	4-5	3-4	4-5	5-6	6-7	2-3	3-4	
RECEIVE										
RANGE	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	x10 6+300	
VOLTAGE	200	320	200	35	400	100	100	260	180	
CURRENT	2	2	2		1	1	1	1	1	

FREQUENCIES	
SENDER NO.	
OPERATOR	TED MERKLE
RECEIVER NO.	
OPERATOR	DILL HORLEY

COMMENTS:

Spread 3 Scans OK

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bo11

LINE N, HALF N, SP. 3, a = 200, BEARING N/S

SENDER STA. 42N = ELECTRODE NO. 4, DATE AUG 13, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	(A)
RECEIVE	0-3 N →		2-4N	→		4-6 N	→			6-7
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5
PFE	+.9	+1.2	+.7	+1.0	+1.5	+.6	+.7	+1.0	+1.3	-.5
CUR. (AMPS)	.75	.75	1	.75	1	1	1	.75	1	1.0
POINT NO.										
SEP. (n)										
H. F. MV	673	153	478	128	63.2	785	129	44.1	25.1	101.4
DRIFT	0	0	0	0	+.2	0	+.2	0	0	0
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.4	1.7	1.2	1.5	1.9	1.1	1.1	1.5	1.8	
3.0 MV $\rho/2\pi$	531	483	223	404	374	464	305	348	297	
DRIFT MCF	2.6	3.5	4.2	3.7	5.1	2.4	3.6	4.3	6.1	
S. P.	-20.1		-28.5			-18.4				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE N, HALF N, SR. 3, a = 200', BEARING N/S

SENDER STA. 42N = ELECTRODE No. 4, DATE AUG 13, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8N →					8-10N →				
MULTIPLIER	100	10	1.0	1.0	1.0	10	10	1.0	1.0	0.1
PFE	+1.1	+1.1	+1.2	+1.7	+2.0	+1.5	+1.6	+2.0	+2.1	+2.5
CUR. (AMPS)	1	1	1	.75	1	1	1	1	1	.75
POINT No.										
SEP. (n)										
H. F. MV	1100	297	67.2	24.7	15.6	580	182	66.0	15.4	6.90
DRIFT	0	0	0	0	+.2	0	0	+.2	0	0
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.6	1.6	1.7	2.2	2.4	1.0	2.1	2.4	2.6	3.0
3.0 MV $\rho/2\pi$	651	702	397	390	323	343	431	390	182	190
DRIFT MCF	2.5	2.3	4.3	5.6	7.4	2.9	4.9	6.1	14	16
S. P.	-41.8					+55.7				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 4N, HALF N, SR. 3, a = 200', BEARING N/S

SENDER STA. 42N = ELECTRODE NO. 4, DATE Aug. 13, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12N	→			→	12-14N	→		
MULTIPLIER	0.1	10	10	1.0	1.0	0.1	1.0	1.0	1.0	0.1
PFE	2.5	+1.1	+2.0	+2.1	+2.1	+2.2	+2.0	+2.7	+2.5	+2.5
CUR. (AMPS)	1	1	1	1	1	.25	1	1	1	1
POINT NO.										
SEP. (n)										
H. F. MV	5.04	21.3	117	57.3	19.0	9.56	53.6	37.4	20.8	8.02
DRIFT	0	0	0	0	+.2	0	-.2	+.2	0	+.2
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	3.0	1.6	2.5	2.6	2.5	2.7	2.6	3.1	3.0	2.9
3.0 MV $\rho/2\pi$	167	504	692	678	393	422	317	442	431	266
DRIFT MCF	18	3.2	3.9	3.8	6.4	6.4	8.2	7.0	7.0	11
S. P.		-4.7				+10.5				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE N, HALF N, SR. 3, a = 200', BEARING N/S

SENDER STA. 42N = ELECTRODE NO. 4, DATE AUG. 13, 1975

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5						
RECEIVE		14-16 N →								
MULTIPLIER		1.0	0.1	0.1						
PFE		+3.1	+3.5	+3.2						
CUR. (AMPS)		1	1	1						
POINT NO.										
SEP. (n)										
H. F. MV		10.9	9.8.5	6.32						
DRIFT		0	0	0						
1.0 PFE	K_n/1000	12	21	33.6						
0.3 PFE	ρ_{CAL}									
0.1 PFE	PFE_c	3.6	3.8	3.7						
3.0 MV	$\rho/2\pi$	129	204	209						
DRIFT	MCF	28	19	18						
S. P.		+3.5								
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE N, HALF S, SP. 3, a = 200', BEARING N/S

SENDER STA. 42N = ELECTRODE No. 4, DATE Aug. 12, 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2S→	2-4S→	4-6S	→	→	→	6-8S	→	→	→
MULTIPLIER			10	10	1.0	1.0	10	10	1.0	1.0
PFE			+.7	+1.1	+1.7	+1.3	+.3	+.2	+.7	+1.3
CUR. (AMPS)			1	→	→	→	→	→	→	→
POINT No.										
SEP. (n)										
H. F. MV			538	212	64.2	26.4	523	122	74.5	30.5
DRIFT			0	0	0	-.2	0	0	0	0
1.0 PFE $K_n/1000$			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c			1.1	1.5	2.1	1.8	0.7	0.6	1.1	1.7
3.0 MV $\rho/2\pi$			318	502	380	317	191	289	441	361
DRIFT MCF			3.5	3.0	5.5	5.7	3.7	2.1	2.5	4.7
S. P.	+20.7	+44.6	+5.2				+27.3			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bo11

LINE N, HALF S, SP. 3, a = 200', BEARING N/S

SENDER STA. 42N = ELECTRODE NO. 4, DATE AUG 12, 1975

PAGE 26

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10	5				→	10-12	8	
MULTIPLIER	1.0	10	1.0	1.0	1.0	1.0	0.1	10	1.0	1.0
PFE	+1.0	+0.3	+1.5	+1.5	+1.0	+1.3	+1.1	+1.5	+.9	+.6
CUR. (AMPS)	1	1	.75	.75	1					
POINT NO.										
SEP. (n)										
H. F. MV	14.0	286	78.4	37.9	36.5	18.0	83.9	128	62.8	38.6
DRIFT	0	-2	0	0	0	0	10	0	0	0
1.0 PFE K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.4	0.8	0.9	0.9	1.4	1.7	1.5	0.9	1.3	1.0
3.0 MV $\rho/2\pi$	290	169	225	299	432	373	278	323	371	457
DRIFT MCF	4.8	4.7	4.0	3.0	3.2	4.6	5.4	3.0	3.5	2.2
S. P.		+16.7						-39.8		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE N, HALF S, SR. 5, a = 200', BEARING N/S

SENDER STA. 4/2N = ELECTRODE NO. 4, DATE Aug 12, 1975

PAGE 37

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	0-1
RECEIVE	→	→	12-14S	→	→	→	14	16S	→	1-2
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+1.2	+1.6	+1.0	+1.1	+.9	+1.6	+.5	+.3	+.8	-.4
CUR. (AMPS)	1	→	→	→	→	→	→	.75	1	1.0
POINT NO.										
SEP. (n)										
H. F. MV	32.4	18.0	87.3	51.2	34.0	29.8	26.7	13.3	12.1	101.5
DRIFT	0	0	0	+.2	0	0	0	-.4	0	0
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.6	2.0	1.4	1.4	1.3	2.0	0.9	0.9	1.2	
3.0 MV $\rho/2\pi$	671	596	516	606	704	970	316	367	401	
DRIFT MCF	2.4	3.4	12.7	2.3	1.8	2.1	2.8	2.5	3.0	
S. P.			+4.4				+7.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE N/S, HALF N, SP. 3, DATE 8/13

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE	0-2 N	→	2-4 N	→	→	4-6 N	→	→	→	6
RANGE	X10+75	X10+75	X10+100	X10+75	X10+100	X10+100	X10+100	X10+75	X10+100	X10+100
VOLTAGE	230	170	280	230	220	180	280	230	230	160
CURRENT	.75	.75	1	.75	1	1	1	.75	1	1
SEND	4-5	3-4	2-3	1-2	C.A. 6-7	6-7	5-6	4-5	3-4	2-3
RECEIVE	8 N	→	→	→		8-10 N	→	→	→	→
RANGE	X10+100	X10+100	X10+75	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+75
VOLTAGE	190	290	240	230	140	160	180	210	310	250
CURRENT	1	1	.75	1	1	1	1	1	1	.75

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE ~~N/S~~ N, HALF ~~S~~ N, SP. 3, DATE 8/13

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 N		→			12-14 N	→		
RANGE	X10+100	X10+100	X10+100	X10+100	X10+100	X10+75	X10+100	X10+100	X10+100	X10+100
VOLTAGE	250	160	180	210	310	250	160	180	210	310
CURRENT	1	1	1	1	1	.75	1	1	1	1
SEND	6-7	5-6	4-5							
RECEIVE	14-16 N	→								
RANGE	X10+100	X10+100	X10+100							
VOLTAGE	160	180	210							
CURRENT	1	1	1							

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE N/S, HALF E/S, SP. 3, DATE 8/12/75

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	EA 1-2
RECEIVE	4-6 S →				6-8 S →					
RANGE	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100
VOLTAGE	250	175	140	120	260	260	175	150	125	180
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	1-2	~~2-3~~	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	8-10 S →							10-12 S →		
RANGE	X10+100	~~X10+100~~	X10+75	X10+75	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100
VOLTAGE	180	~~280~~	210	200	180	150	130	180	370	350
CURRENT	1	~~1~~	.75	.75	1	1	1	1	1	1

FREQUENCIES

SENDER NO.

OPERATOR TED MERIKLE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 1N, HALF 3, SP. 3, DATE 8/12/75

PAGE 2

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	
RECEIVE	→	→	12-14S	→	→	→	14-16S	→	→	
RANGE	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+75	X10+100	
VOLTAGE	260	230	230	290	260	180	200	220	260	
CURRENT	1	1	1	1	1	1	1	.75	1	
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES	COMMENTS:
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

Computation notes only — Note: Electrodes Backwards from previous run.

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE N, HALF N, SP. 2, a = 200', BEARING N-S

SENDER STA. 26N = ELECTRODE NO. 4, DATE Sept 30, 1975

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	1-2
RECEIVE	30-32	→	→	→	32-34	→	→	→	→	34-36
MULTIPLIER										
PFE	1.6	1.9	1.3	1.7	1.2	1.9	2.2	2.0	1.7	1.6
CUR. (AMPS)	1	1	1	1	1	1	1	1	1	0.5
POINT NO.										
SEP. (n)										
H. F. MV	635	376	146	69.3	386	178	119	78.6	32.5	21A.
DRIFT	—	—	—	—	+	—	—	—	—	—
0.6 PFE $K_n/1000$	0.6	2.4	6	12	0.6	2.4	6	12	21	0.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	399	945	917	871	243	447	748	958	715	269
DRIFT MCF	4.0	2.0	1.4	2.0	4.9	4.2	2.9	2.0	2.4	6.0
S. P.										
NOISE										
POT RES.										
CULT & CMTS										

I.P. RECEIVER NOTES, JOB NO._____, AREA_____

LINE_____, HALF_____, SR._____, a = _____, BEARING_____

SENDER STA._____ = ELECTRODE NO._____, DATE_____

PAGE 2

HEINRICHS GEOEX

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	→					36-38	→			
MULTIPLIER										
PFE	0.7	1.4	2.2	2.4	1.7	1.2	0.7	1.3	2.0	2.1
CUR. (AMPS)	1	1	1	1	1	0.5	1	1	1	1
POINT NO.										
SEP. (n)										
H. F. MV	76.2	59.0	44.8	30.1	19.7	76.1	40.4	40.8	36.8	28.2
DRIFT	—	—	—	—	—	—	—	—	—	—
1.0 PFE K_n/1000	2.4	6	12	21	33.6	2.4	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	191	371	563	662	693	382	254	513	809	992
DRIFT MCF	3.7	3.8	3.9	3.6	2.5	3.1	2.8	2.5	2.5	2.1
S. P.										
NOISE										
POT RES.										
CULT & CMTS										

I.P. RECEIVER NOTES, JOB NO._____, AREA_____

LINE_____, HALF_____, SP._____, a = _____, BEARING_____

SENDER STA._____ = ELECTRODE NO._____, DATE_____

PAGE 3

HEINRICHS GEOEX

SEND	12	23	34	45	1-2	23	34	CAL		
RECEIVE	38-40	→	→	→	40-42	→	→	1-2		
MULTIPLIER										
PFE	1.7 1.6	1.4	1.7	1.9	1.8	1.4	1.7	0.2		
CUR. (AMPS)	0.5	1	1	1	0.5	1	1	0.5		
POINT NO.										
SEP. (n)										
H. F. MV	41.0	26.0	30.1	24.7	26.2	18.2	23.0	47.9		
DRIFT	0.2	0	0	0	0	—	—	—		
1.0 PFE K_n/1000	6	12	21	33.6	12	21	33.6			
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	515	327	662	869	658	400	823			
DRIFT MCF	3.1	4.3	2.6	2.2	2.7	3.5	2.1			
S.P.										
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO._____, AREA_____

LINE_____, HALF 5, SR._____, a = _____, BEARING_____

SENDER STA._____ = ELECTRODE NO._____, DATE_____

PAGE 4

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	26-24	→	24-22	→	→	22-20	→	→	→	
MULTIPLIER										
PFE	1.5/1.3	2.0	1.5	1.0	1.6	1.3	1.7	1.0	1.7	0.0
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	1.0
POINT NO.										
SEP. (n)										
H. F. MV	307	146	536	84.2	86.1	368	205	48.2	57.1	95.2
DRIFT	0.4	0	0	—	0	—	—	—	—	—
1.0 PFE $K_n/1000$	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	193	367	237	212	541	231	515	303	717	
DRIFT MCF	6.7	5.3	4.5	4.7	3.0	5.6	3.3	3.3	2.4	
S. P.										
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO._____, AREA_____

LINE_____, HALF_____, SP._____, a = _____, BEARING_____

SENDER STA._____ = ELECTRODE NO._____, DATE_____

PAGE 5

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	20-18	→	→	→	→	18-16	→	→	→	→
MULTIPLIER										
PFE	1.3	1.4	1.5	1.6	2.0	1.5	1.5	1.7	1.9	2.3
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)										
H. F. MV	370	262	92.3	29.5	37.5	816	246	156	33.3	12.0
DRIFT	—	—	—	—	—	—	—	—	—	—
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	232	658	580	371	825	513	618	980	418	264
DRIFT MCF	5.6	2.1	2.6	4.3	2.4	2.9	2.4	1.7	4.5	8.7
S. P.										
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO._____, AREA_____

LINE_____, HALF_____, SP._____, a = _____, BEARING_____

SENDER STA._____ = ELECTRODE NO._____, DATE_____

PAGE 6

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	16-14	→	→	→	→	14-12	→	→	→
MULTIPLIER										
PFE	2.5	2.1	1.7	1.9	2.2	1.71	2.8	2.6	2.8	3.1
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)										
H. F. MV	16.0	235	168	58.2	17.2	6.37	112	86.1	41.3	10.5
DRIFT	—	—	—	—	—	0.2	—	—	—	—
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE P_{CAL}										
0.1 PFE PFE_c										
3.0 MV $P/2\pi$	563	591	1060	731	378	224	704	1080	908	369
DRIFT MCF	1.4	3.6	1.6	2.6	5.8	7.1	4.0	2.4	3.1	8.4
S. P.										
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO._____, AREA_____

LINE_____, HALF_____, SR._____, a = _____, BEARING_____

SENDER STA._____ = ELECTRODE NO._____, DATE_____

PAGE 7

HEINRICHS GEOEX

SEND		6 → 7	5 → 6	4 → 5							
RECEIVE		12 → 10	→	→							
MULTIPLIER											
PFE		2.52A	2.8	2.7							
CUR. (AMPS)		1	→	→							
POINT NO.											
SEP. (n)											
H. F. MV		42.9	35.8	28.4							
DRIFT		0.2	—	—							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c										
3.0 MV	$\rho/2\pi$	539	787	999							
DRIFT	MCF	4.5	3.6	2.7							
S. P.											
NOISE											
POT RES.											
CULT & CMTS											

I.P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE N, HALF N, SP. 2, a = 200', BEARING N18

SENDER STA. 24N = ELECTRODE NO. 4, DATE AUG 8, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-2N	→	2-4N	→	→	4-6N	→	→	→	6-7
MULTIPLIER	10	10	10	1.6	1.0	10	1.0	1.0	0.1	
PFE	1.5	1.7	1.4	1.6	2.0	1.3	1.7	1.8	2.0	-.1
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	203	188	125	98.7	62.9	117	87.3	40.7	51.2	98.1
DRIFT	0	0	0	0	+.2	-.2	0	0	0	0
1.0 PFE K_n/1000										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$										
DRIFT MCF										
S. P.	+22.8		+10.4			-12.8				
NOISE										
POT RES.										
CULT & CMTS										

I.P. RECEIVER NOTES, JOB NO. 1026 AREA Boll

LINE BL, HALF N, SP. 2, a = 200', BEARING N/S

SENDER STA. _____ = ELECTRODE NO. 4, DATE _____

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8N	→	→	→	→	8-10N	→	→	→	→
MULTIPLIER	10	1.0	1.0	1.0	0.1	10	1.0	1.0	1.0	1.0
PFE	1.4	1.6	1.9	1.9	1.6	1.3	1.7	1.8	1.9	1.5
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	104.5	71.3	36.8	13.2	6.56	127.8	94.7	79.9	61.3	47.8
DRIFT	0	0	+.2	0	0	0	0	0	0	0
1.0 PFE / K_n/1000										
0.3 PFE / P_{CAL}										
0.1 PFE / PFE_c										
3.0 MV / $P/2\pi$										
DRIFT / MCF										
S. P.										
NOISE										
POT RES.										
CULT & CMTS										

I.P. RECEIVER NOTES, JOB NO. 1026, AREA Boll

LINE BL, HALF N, SP. 2, a = 200', BEARING N/S

SENDER STA. _____ = ELECTRODE NO. 4, DATE _____

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 N	→	→	→	→	12-14 N	→	→	→
MULTIPLIER	0.1	1	1	1	1	0.1	1	1	1	0.1
PFE	1.3	1.4	1.5	1.6	1.6	1.1	1.8	1.7	1.4	1.2
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	6.21	74.6	61.4	36.6	18.0	5.23	58.9	31.1	20.9	9.76
DRIFT	0	0	0	0	0	0	+.2	0	0	0
1.0 PFE $K_n/1000$										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$										
DRIFT MCF										
S. P.										
NOISE										
POT RES.										
CULT & CMTS										

I.P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE BL, HALF N, SP. 2, a = 200', BEARING N/S

SENDER STA. _____ = ELECTRODE NO. 4, DATE _____

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16	N →								
MULTIPLIER		1	0.1	0.1							
PFE		1.7	1.1	0.9							
CUR. (AMPS)											
POINT NO.											
SEP. (n)											
H. F. MV		26.5	9.82	5.13							
DRIFT		0	0	0							
1.0 PFE	$K_n/1000$										
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c										
3.0 MV	$\rho/2\pi$										
DRIFT	MCF										
S. P.											
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026, AREA 13011

LINE ~~6620~~ BL, HALF N, SR 2, a = 200', BEARING N/S

SENDER STA. _____ = ELECTRODE NO. 4, DATE _____

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-2 N	~~2-4 N~~	2-4 N	→	→	4-6 N	→	→	→	6-7
MULTIPLIER	10	10	10	1.0	1.0	10	1.0	1.0	0.1	1.0
PFE	+1.5	+1.7	+1.4	+1.6	+2.0	+1.3	+1.7	+1.8	+2.0	-.1
CUR. (AMPS)	1	→	all sheets	→	→	→	→	→	→	1.0
POINT NO.										
SEP. (n)										
H. F. MV	203.0	188.0	125.1	98.7	62.9	117.6	87.3	40.7	5.12	97.8
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	1.6	1.8	1.5	1.7	2.1	1.4	1.8	1.9	2.1	
3.0 MV $P/2\pi$	124	461	77	242	386	72	214	250	63	
DRIFT MCF	13	3.9	20	7.0	5.4	19	8.4	7.6	33	
S. P.										
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Boll

LINE N, HALF N, SP. 2, a = 200', BEARING N/2

SENDER STA. 18N = ELECTRODE NO. 4, DATE AUG. 8, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8N	→				8-10N	→			
MULTIPLIER	10	1.0	1.0	1.0	0.1	10	1.0	1.0	1.0	1.0
PFE	1.4	1.6	1.9	1.9	1.6	1.3	1.7	1.8	1.9	1.5
CUR. (AMPS)	1	→								→
POINT NO.										
SEP. (n)										
H. F. MV	104	71.3	36.8	13.2	6.56	128	94.7	79.9	61.3	47.8
DRIFT	0	0	+.2	0	0	-.2	0	0	0	0
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C	1.5	1.7	1.9	2.0	1.7	1.5	1.8	1.9	2.0	1.6
3.0 MV $\rho/2\pi$	64	175	226	162	141	78	232	490	752	1030
DRIFT MCF	24	9.7	8.4	12	12	19	7.7	3.9	2.7	1.6
S. P.	-20.0					+2.5				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE N, HALF N, SP. 2, a = 200', BEARING N/S

SENDER STA. 18N = ELECTRODE NO. 4, DATE AUG 8, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12	N →				12-14 N			→
MULTIPLIER	0.1	1.0	1.0	1.0	1.0	0.1	1.0	1.0	1.0	0.1
PFE	1.3	1.4	1.5	1.6	1.6	1.1	1.8	1.7	1.4	1.2
CUR. (AMPS)	1 →									
POINT NO.										
SEP. (n)										
H. F. MV	6.21	76.6	61.4	36.6	17.0	5.23	58.9	31.1	20.9	9.76
DRIFT	0	0	-.2	0	0	+.2	+.2	0	0	0
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.4	1.5	1.7	1.7	1.7	1.1	1.8	1.8	1.5	1.3
3.0 MV $\rho/2\pi$	213	188	376	449	365	180	361	381	449	335
DRIFT MCF	6.6	8.0	4.5	3.8	4.7	6.1	5.0	4.7	3.3	3.9
S. P.		-11.1					+14.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE N, HALF N, SP. 2, a = 200', BEARING N/S

SENDER STA. 18N = ELECTRODE No. 4, DATE Aug 8, 1975

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16 N →									
MULTIPLIER		1.0	0.1	0.1							
PFE		1.7	1.1	0.9							
CUR. (AMPS)		1 →									
POINT NO.											
SEP. (n)											
H. F. MV		26.5	9.82	5.13							
DRIFT		+2	0	0							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	1.7	1.2	1.0							
3.0 MV	$\rho/2\pi$	325	211	176							
DRIFT	MCF	5.2	5.7	5.7							
S. P.		+2.2									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE B4, HALF S, SR 7, a = 200', BEARING N/S

SENDER STA. [redacted] = ELECTRODE NO. 4, DATE

Name all segments

PAGE 5

HEINRICHS GEOEX

SEND	SP	S.P	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-28	2-4S	4-6S	→	→	→	6-8S	→	→	→
MULTIPLIER	—	—	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	—	—	+1.9	+1.5	+1.3	+1.9	+1.8	+1.9	+1.2	+1.9
CUR. (AMPS)			1	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)										
H. F. MV	—	—	467	148	82.3	51.1	794	203	95.4	56.9
DRIFT	—	—	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE P_{CAL}										
0.1 PFE PFE_c			1.1	1.3	1.5	2.1	1.0	1.1	1.4	2.1
3.0 MV $P/2\pi$			286	363	505	627	487	498	585	722
DRIFT MCF			3.8	3.6	3.0	3.4	2.1	2.2	2.4	2.9
S. P.	+10.3	+5.7	+1.1				-2.3			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE BL, HALF S, SR 2, a = 200', BEARING N/S

SENDER STA. ~~[illegible]~~ = ELECTRODE NO. 4, DATE

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10 S	→	→	→	→	→	10-12 S	→	→
MULTIPLIER	1.0	10	10	1.0	1.0	1.0	1.0	10	1.0	1.0
PFE	+1.8	+1.1	+1.0	+1.3	+1.8	+1.9	+1.5	+1.9	+1.2	+1.5
CUR. (AMPS)	1 →	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)										
H. F. MV	34.7	90.3	96.3	85.5	55.1	37.9	22.7	21.7	76.8	37.6
DRIFT	0	0	0	0	0	+.2	0	-.2	0	0
1.0 PFE K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.0	1.3	1.2	1.5	2.0	2.0	1.7	1.2	1.4	1.7
3.0 MV $\rho/2\pi$	745	554	621	524	676	813	779	532	471	461
DRIFT MCF	2.7	2.3	1.9	2.9	3.0	2.5	2.2	2.3	3.0	3.7
S. P.		+7.8						-6.5		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE BL, HALF S, SR 2, a = 200', BEARING N/S

SENDER STA. [illegible] = ELECTRODE NO. 4, DATE

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAL
RECEIVE	→	→	12-14S	→	→	→	14-16S	→	→	1-2
MULTIPLIER	1	1	1	1	1	1	0.1	1	0.1	1.0
PFE	+1.7	+1.8	+1.2	+1.4	+1.6	+1.5	+1.6	+1.2	+1.4	-.2
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	1.0
POINT NO.										
SEP. (n)										
H. F. MV	27.3	29.6	76.2	27.9	21.8	18.0	7.96	15.1	5.84	97.9
DRIFT	0	0	0	0	0	0	0	0	0	00
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C	1.9	2.0	1.4	1.6	1.8	1.7	1.8	1.4	1.6	
3.0 MV $\rho/2\pi$	586	1020	467	342	468	618	98	324	201	
DRIFT MCF	3.2	2.0	3.0	4.7	3.8	2.8	18	4.3	8.0	
S. P.			+15.3				+2.6			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB NO. _____ AREA [illegible]

LINE [illegible], HALF [illegible], SP. 2, DATE 8/2/75

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE										
RANGE		x10+10	x10+10	x10+10	x10+10	x10+10	x10+10	x10+10	x10+10	x10+10
VOLTAGE	32	165	150	210	165	300	150	210	165	260
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	4-5	3-4	2-3	1-2	5-3	6-7	5-6	4-5	3-4	2-3
RECEIVE	260	150	210	165	150	150	260	210	150	210
RANGE	x10+10	x10+10	x10+10	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100
VOLTAGE			210							210
CURRENT	.1	.1	1	.1	.1	.1	.1	.1	.1	1

FREQUENCIES

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE [illegible], HALF [illegible], SP. 2, DATE 8/8/73

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	X1 X100	X10 X100	X10 X100	X10 X100	X10 X100	X10 X100	X10 X100	X10 X100	X10 X100	X10 X100
VOLTAGE	165	150	260	310	150	220	150	260	310	150
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	6-7	5-6	4-5							
RECEIVE										
RANGE	X10 X100	X10 X100	X10 X100							
VOLTAGE	150	260	310							
CURRENT	1	1	1							

FREQUENCIES

SENDER NO.

OPERATOR TED MERRILL

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. _____ AREA BELL

LINE NS, HALF SOUTH, SP. 2, DATE 8/11/73

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	5-8
RECEIVE										
RANGE	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100
VOLTAGE	240	170	130	120	260	240	170	130	120	100
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE										
RANGE	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100
VOLTAGE	180	260	240	170	140	120	180	260	240	170
CURRENT	1	1	1	1	1	1	1	1	1	1

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA _____

LINE _____, HALF _____, SP. _____, DATE _____

PAGE _____

HEINRICHS GEOEX

SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES	
SENDER NO.	
OPERATOR	
RECEIVER NO.	
OPERATOR	

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Boll

LINE N, HALF N, SR. 1, a = 200', BEARING N/S

SENDER STA. 10N = ELECTRODE NO. 4, DATE AUG 7, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-2N	→	2-4N	→	→	4-6N	→	→	→	6-7
MULTIPLIER	10	10	10	1.0	1.0	10	10	1.0	1.0	1.0
PFE	1.1	1.1	.9	1.3	1.6	.7	1.2	1.8	1.9	-.4
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	1.0 use -.8
POINT NO.										Ath
SEP. (n)										halves
H. F. MV	399	115	880	136	57.7	970	274	76.0	37.0	97.6
DRIFT	0	0	-2	0	0	-.4	0	0	0	8
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.4	1.4	1.3	1.6	1.9	1.2	1.5	2.1	2.2	
3.0 MV $\rho/2\pi$	245	283	541	334	355	596	674	467	455	
DRIFT MCF	+11.5		-21.4			-5.5				
S. P.	5.7	5.0	2.4	4.8	5.4	2.0	2.2	4.5	4.8	
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE N, HALF N, SR. 1, a = 200', BEARING N/S

SENDER STA. 10N = ELECTRODE No. 4, DATE AUG 7, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8N	→	→	→	→	8-10N	→	→	→	→
MULTIPLIER	10	10	10	1.0	1.0	10	10	1.0	1.0	1.0
PFE	1.0	1.3	1.5	2.0	2.1	1.1	1.3	1.7	1.8	1.9
CUR. (AMPS)	0.75	1	→	→	→	→	0.75	1	→	→
POINT NO.										
SEP. (n)										
H. F. MV	930	292	167	69.5	37.9	494	163	96.4	87.1	48.4
DRIFT	0	-.2	0	0	0	+.4	+.2	0	0	0
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.3	1.7	1.8	2.3	2.4	1.2	1.5	2.0	2.1	2.2
3.0 MV $\rho/2\pi$	762	718	1030	855	815	304	600	593	1070	1040
DRIFT MCF	1.7	2.4	1.8	2.7	2.9	4.0	2.5	3.4	2.0	2.1
S. P.	+37.7					-19.4				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE N, HALF N, SR. 1, a = 200', BEARING N/S

SENDER STA. 10N = ELECTRODE NO. 4, DATE AUG 7, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12N	→	→	→	→	12-14N	→	→	→
MULTIPLIER	1.0	10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	1.9	1.1	1.6	1.7	1.7	1.9	1.1	1.4	1.8	1.7
CUR. (AMPS)	1	1	0.75	1	1	1	1	0.75	1	1
POINT NO.										
SEP. (n)										
H. F. MV	29.7	178	82.0	45.0	52.3	35.2	56.6	27.3	13.9	21.0
DRIFT	+.2	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.1	1.4	1.9	2.0	2.0	2.2	1.4	1.7	2.1	2.0
3.0 MV $\rho/2\pi$	1020	428	672	553	1130	1210	348	448	299	723
DRIFT MCF	2.1	3.2	2.8	3.1	1.8	1.8	4.0	3.8	7.0	2.8
S. P.		+17.6					-18.2			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1076, AREA B011

LINE N, HALF N, SP. 1, a = 200', BEARING N/S

SENDER STA. 10N = ELECTRODE No. 4, DATE AUG 7, 1976

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16	→	→							
MULTIPLIER		1.0	1.0	0.1							
PFE		1.0	1.5	1.7							
CUR. (AMPS)		1	0.75	1							
POINT No.											
SEP. (n)											
H. F. MV		21.0	11.4	7.99							
DRIFT		0	0	0							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	1.3	1.8	2.0							
3.0 MV	$\rho/2\pi$	258	327	275							
DRIFT	MCF	5.0	5.5	7.3							
S. P.		+11.4									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE N, HALF S, SP. 1, a = 200', BEARING N/S

SENDER STA. 10N = ELECTRODE NO. 4, DATE AUG 8, 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2S	2-4S	4-6S	→	→	→	6-8S	→	→	→
MULTIPLIER			10	10	1.0	1.0	10	10	1.0	1.0
PFE	—	—	.9	1.1	1.3	1.9	.8	.9	1.2	1.9
CUR. (AMPS)			1	1	.75	1	1	1	1	.5
POINT NO.										
SEP. (n)										
H. F. MV	—	—	467	148	82.3	57.1	794	203	95.4	58.9
DRIFT			0	+.2	0	0	0	0	-.2	0
1.0 PFE $K_n/1000$			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE P_{CAL}										
0.1 PFE PFE_c			1.2	1.3	1.6	2.2	1.1	1.2	1.6	2.2
3.0 MV $P/2\pi$			280	355	658	613	476	487	572	942
DRIFT MCF			4.3	3.7	2.4	3.6	2.3	2.5	2.8	2.3
S. P.	+7.6	-8.3	-3.1				+5.6			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE N, HALF S, SR. 1, a = 200', BEARING N/S

SENDER STA. 10N = ELECTRODE No. 4, DATE AUG 8 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10S	—	—	—	—	→	10-12S	—	—
MULTIPLIER	1.0	10	10	1.0	1.0	1.0	1.0	10	1.0	1.0
PFE	1.8	1.1	1.0	1.3	1.8	1.9	1.5	.9	1.2	1.5
CUR. (AMPS)	1	1	1	1	1	.75	1	1	1	1
POINT No.										
SEP. (n)										
H. F. MV	34.7	90.3	253	88.5	55.1	37.9	22.7	21.7	76.8	37.6
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.1	1.4	1.3	1.6	2.1	2.2	1.8	1.2	1.5	1.8
3.0 MV $\rho/2\pi$	729	542	607	531	661	1060	763	521	461	451
DRIFT MCF	2.9	2.6	2.1	3.0	3.2	2.1	2.4	2.3	3.3	4.0
S. P.		+3.7						+1.2		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE N, HALF S, SP. 1, a = 200', BEARING N/S

SENDER STA. 10N = ELECTRODE NO. 4, DATE AUG 8 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAL
RECEIVE	→	→	12-14S	→	→	→	14-16	→	→	1-2
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	0.1	1.0	0.1	1
PFE	1.7	1.8	1.2	1.4	1.6	1.5	1.6	1.2	1.4	-.2
CUR. (AMPS)	1	.75	1	1	1	1	1	1	1	1.0
POINT NO.										
SEP. (n)										
H. F. MV	27.3	29.6	76.2	27.9	21.8	18.0	7.96	15.1	5.84	34.7
DRIFT	0	-.2	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.0	2.2	1.5	1.7	1.9	1.8	1.9	1.5	1.7	
3.0 MV $\rho/2\pi$	573	1330	457	335	458	605	181	117	1996	
DRIFT MCF	3.5	1.7	3.3	5.1	4.2	3.0	10	9.0	8.7	
S. P.			+11.6				-9.2			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA Bell

LINE N/5, HALF N, SP. 1, DATE 8/7

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE	0 →	2N	2 →		4N	4 →			6N	6 →
RANGE	10X100	10X100	10X100	10X100	10X100	10X100	10X100	10X100	10X100	10X75
VOLTAGE	200	200	150	160	160	310	150	160	160	270
CURRENT	1	1	1	1	1	1	1	1	1	.75
SEND	4-5	3-4	2-3	1-2	CAL	6-7	5-6	4-5	3-4	2-3
RECEIVE	→			8N	6-7	8 →				→
RANGE	10X100	10X100	10X100	10X100	10X100	10X100	10X75	10X100	10X100	10X100
VOLTAGE	340	150	160	160	150	150	270	340	140	160
CURRENT	1	1	1	1	1	1	.75	1	1	1

FREQUENCIES

SENDER No.

OPERATOR Ted Merikle

RECEIVER No.

OPERATOR Bill Hurley

340

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE N/S, HALF N, SP. 1, DATE 8/7/75

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	10N	10	→			12N	12	→		14N
RANGE	10X100	10X100	10X75	10X100	10X100	10X100	10X100	10X75	10X100	10X100
VOLTAGE	160	150	270	350	150	160	150	280	350	150
CURRENT	1	1	.75	1	1	1	1	.75	1	1
SEND	6-7	5-6	4-5							
RECEIVE	14	→	16N							
RANGE	10X100	10X75	10X100							
VOLTAGE	150	270	350							
CURRENT	1	.75	1							

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA _____

LINE _____, HALF _____, SP. _____, DATE _____

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	9-3
RECEIVE										
RANGE	x10+100	x10+100	x10+75	x10+100	x10+100	x10+100	x10+100	x10+75	x10+100	x10+100
VOLTAGE	250	180	150	120	280	250	180	150	120	
CURRENT	1	1	1	1	1	1	1	.75	1	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	150	260	250	180	150	120	180	260	250	180
RANGE	x10+100	x10+100	x10+100	x10+100	x10+75	x10+100	x10+100	x10+100	x10+100	x10+100
VOLTAGE										
CURRENT	1	1	1	1	.75	1	1	1	1	1

FREQUENCIES

SENDER NO.

OPERATOR JOE M-MAL-L JOE

RECEIVER NO.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB NO. _____ AREA BELL

LINE [illegible], HALF [illegible], SP. 1, DATE 6/2/75

PAGE 2

HEINRICHS GEOEX

SEND	6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE										
RANGE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
VOLTAGE	[illegible]	180	260	250	180	180	260	250		
CURRENT	[illegible]	1	1	1	1	1	1	1		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES	
SENDER NO.	
OPERATOR	[illegible] JOE
RECEIVER NO.	
OPERATOR	RITA HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 67N-W, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 4W = ELECTRODE NO. 4, DATE Aug 14, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	Cal
RECEIVE	0-2E	→	2-4E	→	→	4-6E	→	→	→	6-7
MULTIPLIER	10	10	10	10	10	10	1.0	1.0	1.0	1.0
PFE	+.3	+.5	+.5	+.7	+.8	+.8	+1.9	+2.1	+2.1	-.6
CUR. (AMPS)	1	2	1	1	2	2	1	1	2	1.0
POINT NO.										
SEP. (n)										
H. F. MV	490	218	427	188	116	609	91.3	56.8	46.9	101.5
DRIFT	0	0	-.2	0	0	0	0	0	-.2	0
1.0 PFE / K_n/1000	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE / P_{CAL}										
0.1 PFE / PFE_C	0.9	1.1	1.2	1.3	1.4	1.4	1.5	2.7	2.8	
3.0 MV / $P/2\pi$	289	257	252	444	343	180	216	335	277	
DRIFT / MCF	3.1	4.3	4.8	2.9	4.1	7.8	7.0	8.0	10	
S. P.	-14.5		-20.1			+53.8				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 57N, HALF E, SR 1, a = 200', BEARING E/W

SENDER STA. 4W = ELECTRODE NO. 4, DATE AUG. 4, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8 E →					8-10 E →				
MULTIPLIER	10	1.0	1.0	1.0	1.0	10	10	1.0	0.1	0.1
PFE	+1.5	+1.2	+2.1	+2.3	+2.4	+1.3	+1.5	+1.2	+2.0	+2.1
CUR. (AMPS)	2	2	1	1	1	1	2	2	1	1
POINT NO.										
SEP. (n)										
H. F. MV	476	79.6	16.0	12.2	6.05	571	154	33.8	7.82	6.61
DRIFT	-.2	-.2	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.2	1.9	2.7	2.9	3.0	0.9	1.1	1.8	2.6	2.7
3.0 MV $\rho/2\pi$	141	94	94	144	125	337	182	100	92	137
DRIFT MCF	8.5	20	29	20	24	2.7	6.0	18	28	20
S. P.	+45.0					+11.7				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1066, AREA Bo 11

LINE 57N, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 4W = ELECTRODE NO. 4, DATE AUG 14, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 E	→	→	→	→	12-14 E	→	→	→
MULTIPLIER	0.1	1.0	1.0	1.0	0.1	0.1	1.0	1.0	1.0	0.1
PFE	+12.0	±0	+1.6	+1.1	+1.8	+2.0	±0	+1.5	+1.0	+1.9
CUR. (AMPS)	1	1	2	2	1	1	1	2	2	1
POINT NO.										
SEP. (n)										
H. F. MV	3.50	218	83.7	20.8	5.34	4.90	101	47.2	13.4	5.64
DRIFT	0	0	0	0	0	0	0	0	-.2	0
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.6	0.6	1.2	1.7	2.4	2.6	0.6	1.1	1.7	2.5
3.0 MV $\rho/2\pi$	116	515	247	123	110	162	596	279	138	120
DRIFT MCF	22	1.2	4.9	14	22	16	1.0	3.9	12	21
S. P.		+27.6					-4.9			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA B011

LINE 57N, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 4W = ELECTRODE No. 4, DATE AUG. 14, 1975

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16 E →									
MULTIPLIER		1.0	1.0	0.1							
PFE		+1.7	+1.1	+1.7							
CUR. (AMPS)		1	2	2							
POINT No.											
SEP. (n)											
H. F. MV		37.4	15.4	5.98							
DRIFT		0	0	0							
1.0 PFE	$K_n/1000$	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	1.3	1.7	2.3							
3.0 MV	$\rho/2\pi$	442	200	99							
DRIFT	MCF	2.9	8.5	23							
S. P.		-8.2									
NOISE											
POT RES.											
CULT & CMTS											

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 57N ~~E/W~~, HALF W, SR. 1, a = 200', BEARING E/W

SENDER STA. 4W = ELECTRODE NO. 4, DATE Aug 14, 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2W	2-4W	4-6	W	→	→	6-8	W		
MULTIPLIER	—	—	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	—	—	+.7	+.4	+1.0	+2.3	+.9	+.9	+.7	+1.3
CUR. (AMPS)			1	1	2	1	1	1	2	2
POINT NO.										
SEP. (n)										
H. F. MV	—	—	537	123	127	250	653	114	89.9	57.3
DRIFT			0	0	0	0	0	0	0	0
1.0 PFE K_n/1000			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c			1.3	1.2	1.6	2.9	1.5	1.5	1.3	1.9
3.0 MV $\rho/2\pi$			317	291	375	295	386	269	265	338
DRIFT MCF			4.1	4.1	4.3	9.8	3.9	5.6	4.9	5.6
S. P.	-10.2	+29.0	+5.1				+20.0			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE ~~E/10~~ 57N, HALF W, SR. 1, a = 200', BEARING E/W

SENDER STA. 4 (W) = ELECTRODE NO. 4, DATE AUG 15, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10 W					→	10-12 W		
MULTIPLIER	1.0	100	10	1.0	1.0	1.0	1.0	10	10	1.0
PFE	+2.6	+.6	+1.0	+.7	+.6	+1.2	+2.5	+.5	+.8	+.7
CUR. (AMPS)	1	1	1	1	2	2	1	1	1	1
POINT NO.										
SEP. (n)										
H. F. MV	14.5	1090	369	80.5	80.4	56.3	16.6	223	118	40.7
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE / K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE / ρ_{CAL}										
0.1 PFE / PFE_c	3.2	1.2	1.6	1.3	1.2	1.8	3.1	1.1	1.4	1.3
3.0 MV / $\rho/2\pi$	300	644	872	475	475	582	549	527	697	481
DRIFT / MCF	11	1.9	1.8	2.7	2.5	3.1	5.6	2.1	2.0	2.7
S. P.		+19.2						-49.4		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 57N ~~E/W~~, HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. 4W = ELECTRODE NO. 4, DATE AUG 14, 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAL
RECEIVE	→	→	12 - 14W	→	→	→	14 - 16W	→	→	1-2
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+.2	+.7	±0	+.5	+.4	-.1	+1.3	+1.4	+1.3	-.6
CUR. (AMPS)	2	2	2	1	1	1	1	1	1	1.0
POINT NO.										
SEP. (n)										
H. F. MV	49.6	38.0	136	48.4	19.1	12.9	38.0	30.7	13.3	101.7
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	21	33.1	6	12	21	33.6	12	21	33.6	
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	0.8	1.3	0.6	1.1	1.0	0.5	1.8	2.0	1.9	
3.0 MV $\rho/2\pi$	513	628	402	572	395	427	449	635	440	
DRIFT MCF	1.6	2.1	1.5	1.9	2.5	1.2	4.0	3.2	4.3	
S. P.	~~[illegible]~~		-19.5				+65.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE ~~EW~~ 57N, HALF ~~EE~~, SP. 1, DATE 8/14/75

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE	~~4-6W~~	0-2E	~~4-6W~~	2-4E		~~8-10W~~	4-6E			~~10~~
RANGE	X10+100	X10+200	X10+100	X10+100	X10+200	X10+200	X10+100	X10+100	X10+200	X10+200
VOLTAGE	360	340	320	370	350	230	320	370	340	270
CURRENT	1	2	1	1	2	2	1	1	2	2
SEND	4-5	3-4	2-3	1-2	CAL 6-7	6-7	5-6	4-5	3-4	2-3
RECEIVE	~~12W~~	0-8E				~~10~~ 8-10E				
RANGE	X10+200	X10+100	X10 X100	X10+100	X10+100	X10+100	X10+200	X10+200	X10+100	X10+100
VOLTAGE	230	310	370	160	200	200	270	220	310	370
CURRENT	2	1	1	1	1	1	2	2	1	1

FREQUENCIES

SENDER No.

OPERATOR TERRY WILSON

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA Rell

LINE ~~500~~ 57N, HALF ~~B~~, SP. 1, DATE 8-14-75

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 E	→	→	→	→	12-14 E	→	→	→
RANGE	X10+100	X10+100	X10+200	X10+200	X10+100	X10+100	X10+100	X10+200	X10+200	X10+100
VOLTAGE	166	200	270	230	310	370	200	270	220	310
CURRENT	1	1	2	2	1	1	1	2	2	1
SEND	6-7	5-6	4-5							
RECEIVE	14-16	E →	→							
RANGE	X10+100	X10+200	X10+200							
VOLTAGE	200	270	220							
CURRENT	1	2	2							

FREQUENCIES

SENDER No.

OPERATOR Terry WILSON

RECEIVER No.

OPERATOR BILL Hurley

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE ~~5-7N~~ 5-7N, HALF W, SP. 1, DATE 8/14/75

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	CA 12
RECEIVE	4-6 W →				6-8 W →					
RANGE	X10+100	X10+100	X10+200	10+100	X10+100	X10+100	X10+200	X10+200	X10+100	X10+100
VOLTAGE	300	100	270	190	310	300	225	270	200	160
CURRENT	1	1	2	1	1	1	2	2	1	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	8-10 W →						10-12 W →			
RANGE	X10+100	X10+100	X10+100	X10+200	X10+200	X10+100	X10+100	X10+100	X10+100	X10+200
VOLTAGE	150	360	310	230	270	200	160	370	310	230
CURRENT	1	1	1	2	2	1	1	1	1	2

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE E/W, HALF W, SP. 1, DATE 8/14/75

PAGE 2

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE	→	11-12	12-14 W	→		14-16 W	→			
RANGE	X10+200	X10+200	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100		
VOLTAGE	270	330	320	310	110	160	370	310		
CURRENT	2	2	1	1	1	1	1	1		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 405, HALF E, SR 1, a = 200', BEARING E-W

SENDER STA. POEW = ELECTRODE NO. 4, DATE 7/3

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0 → 2 E		2		4	4			6	6-7
MULTIPLIER	10	1	10	10	1	10	10	10	1	1
PFE	0.8	0.8	0.6	0.6	1.1	0.9	1.3	1.2	1.9	0.0
CUR. (AMPS)	1									
POINT NO.										
SEP. (n)	1	2	1	2	3	1	2	3	4	
H. F. MV	368.0	18.9	757.0	165.0	17.5	452.0	341.0	114.0	18.4	98.0
DRIFT	0.0	0.0	0.0	0.0	-.2	0.0	0.0	0.0	0.0	0.0
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6	0.6	2.4	6	12	
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	0.8	0.8	0.6	0.6	1.2	0.9	1.3	1.2	1.9	
3.0 MV $P/2\pi$	225	46	463	404	107	277	853	698	225	
DRIFT MCF	3.6	17	1.3	1.5	11	3.3	1.6	1.7	8.4	
S. P.	+20.9		+20.4			+17.3				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 105, HALF E, SP. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE No. 4, DATE 7/31

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6				8	8				
MULTIPLIER	10	1	10	1	0.1	10	1	1	1	1
PFE	1.0	1.4	2.0	1.9	2.5	0.8	0.7	0.8	1.5	1.6
CUR. (AMPS)	1					2	1			
POINT No.										
SEP. (n)	1	2	3	4	5	1	2	3	4	5
H. F. MV	296.0	96.3	117.0	47.8	8.78	838.0	54.8	28.2	40.2	18.8
DRIFT	-.2	0.0	+.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.1	1.4	1.9	1.9	2.5	0.8	0.7	0.8	1.5	1.6
3.0 MV $\rho/2\pi$	181	236	716	585	188	257	134	173	492	403
DRIFT MCF	6.1	5.9	2.7	3.2	13	3.1	5.2	4.6	3.0	4.0
S. P.	+16.5					+20.2				
NOISE										
POT RES.										
CULT & CMTS							Bad Pt			

I. P. RECEIVER NOTES, JOB No. 1026, AREA Bell

LINE 40S, HALF E, SR. 1, a = 200', BEARING E-W

SENDER STA. 00E-W = ELECTRODE No. 4, DATE 7/31

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	10E	10				12E	12			14E
MULTIPLIER	0.1	10	1	0.1	0.1	0.1	1	1	0.1	1
PFE	2.4	0.9	0.9	1.0	1.3	1.2	1.3	1.2	0.9	1.7
CUR. (AMPS)	1	2	1				2	1		
POINT NO.										
SEP. (n)	6	2	3	4	5	6	3	4	5	6
H. F. MV	3.95	103.0	11.0	6.82	10.53	5.54	101.2	11.9	7.77	12.4
DRIFT	+.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.3	0.9	0.9	1.0	1.3	1.2	1.3	1.2	0.9	1.7
3.0 MV $\rho/2\pi$	135	126	67	84	226	190	310	146	166	425
DRIFT MCF	17	7.1	13	12	5.8	6.3	4.2	8.2	5.4	4.0
S. P.		+39.4					+25.2			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. D26, AREA Bell

LINE 40S, HALF E, SR. 1, a = 200', BEARING E-W

SENDER STA. 00EW = ELECTRODE No. 4, DATE 7/31

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14	———	16E							
MULTIPLIER		1	0.1	0.1							
PFE		1.1	0.5	0.6							
CUR. (AMPS)		2	1	→							
POINT NO.											
SEP. (n)		4	5	6							
H. F. MV		74.3	9.37	6.28							
DRIFT		0.0	0.0	0.0							
1.0 PFE	$K_n/1000$	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	1.1	0.5	0.6							
3.0 MV	$\rho/2\pi$	455	201	215							
DRIFT	MCF	2.4	2.5	2.8							
S. P.		+2.2									
NOISE											
POT RES.											
CULT & CMTS			Fence (GR) 10' from 16								

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 405, HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 31, 1975

HEINRICHS GEOEX

SEND	S.P.	S.P.	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2W	2-4W	4-6W	→	→	→	6-8W			
MULTIPLIER			10	10	0.1	1.0	10	10	1.0	1.0
PFE			+1.9	+1.8	+1.5	+2.1	+1.3	+1.8	+1.4	+1.8
CUR. (AMPS)		17.32	1	1	0.5	2	1	1	0.75	1
POINT NO.										
SEP. (n)			1	2	3	4	1	2	3	4
H. F. MV			153	183	8.55	39.5	293	101	15.2	15.4
DRIFT			+.2	+.2	-.2	0	+.2	0	+.2	0
1.0 PFE K_n/1000			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE P_{CAL}										
0.1 PFE PFE_c			1.5	1.5	1.4	1.9	1.0	1.6	1.1	1.6
3.0 MV $P/2\pi$			94	42	105	242	179	247	124	189
DRIFT MCF			16	36	13	7.9	5.6	6.5	8.9	8.5
S. P.	-2.6	+5.2	+24.5				+44.9			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bo11

LINE 40S, HALF W, SP. 1, a = 200', BEARING EW

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 31, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10W	—	—	—	—	→	10-12W	—	—
MULTIPLIER	1.0	1.0	1.0	1.0	0.1	0.1	1.0	1.0	1.0	1.0
PFE	+2.3	+2.2	+2.6	+2.7	+2.0	+2.1	+3.1	+2.4	+2.8	+2.8
CUR. (AMPS)	2	1	1	1	0.75	0.75	2	1	1	1
POINT NO.										
SEP. (n)	5	1	2	3	4	5	6	2	3	4
H. F. MV	36.3	97.4	91.0	41.5	7.56	5.48	12.3	82.6	92.8	46.6
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}		1								
0.1 PFE PFE_c	2.1	2.0	2.4	2.5	1.8	1.9	2.9	2.2	2.6	2.6
3.0 MV $\rho/2\pi$	389	60	223	254	123	157	297	202	568	571
DRIFT MCF	5.4	34	11	9.8	15	12	9.8	11	4.6	4.6
S. P.		-20.2						-4.3		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 405, HALF W, SR 1, a = 200', BEARING EW

SENDER STA. 00FW = ELECTRODE NO. 4, DATE July 31, 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	CAL
RECEIVE	→	→	12-14 W	→	→	→	14-Now	→	→	1-2
MULTIPLIER	1.0	0.1	1.0	1.0	1.0	0.1	0.1	0.1	0.1	1.0
PFE	+2.2	+2.4	+2.4	+3.0	+2.8	+1.9	+2.0	+2.7	+2.4	4.2
CUR. (AMPS)	1	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)	5	6	3	4	5	6	4	5	6	
H. F. MV	11.8	9.21	40.1	50.2	28.5	7.92	8.16	10.63	6.48	98.0
DRIFT	0	0	0	0	0	0	0	0	0	+.1
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.0	2.2	2.2	2.8	2.6	1.7	1.8	2.5	2.4	
3.0 MV $\rho/2\pi$	253	316	246	615	611	272	100	228	222	
DRIFT MCF	7.9	7.0	9.0	4.6	4.3	6.3	18	11	11	
S. P.			+15.1				+7.5			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 403 HALF EAST, SP. 1, DATE JULY 31, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)
VOLTAGE	220	240	256	220	240	260	240	220	240	260
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	5-6	4-5	3-4	2-3	1-2	C A 6-7	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+100)	x10(0+200)	x10(0+100)	x10(0+100)	x10(0+100)
VOLTAGE	220	260	240	220	240	200	220	220	260	240
CURRENT	1	1	1	1	1	1	2.	1	1	1

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR ~~BILL HURLEY~~ RICK JOHNSON

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 40S, HALF EAST, SP. 1, DATE JULY 31, 1975

PAGE 2

HEINRICHS GEOEX

SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5
RECEIVE										
RANGE	X10(0+100)	X10(0+100)	X10(0+200)	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+200)	X10(0+100)	X10(0+100)
VOLTAGE	220	240	220	220	260	240	220	240	220	260
CURRENT	1	1	2	1	1	1	1	2	1	1
SEND	3-4	6-7	5-6	4-5						
RECEIVE										
RANGE	X10(0+100)	X10(0+200)	X10(0+100)	X10(0+100)						
VOLTAGE	240	240	220	260						
CURRENT	1	2	1	1						

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR RICK JOHNSON

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 405, HALF WEST 4-5, SP. 1, DATE JULY 31, 1975

PAGE 1

HEINRICHS GEOEX

SEND	3-4	~~4-6~~	5-6	6-7	2-3	3-4	~~4-5~~	4-5	5-6	6-7
RECEIVE										
RANGE	X10(0+100)	~~X10(75+0)~~	X10(50+0)	X10(0+200)	X10(0+100)	X10(0+100)	~~X10(50+0)~~	X10(75+0)	X10(0+100)	X10(0+200)
VOLTAGE	260	~~320~~	280	240	220	260	~~350~~	300	350	240
CURRENT	1	~~.75~~	.50	2	1	1	~~.50~~	.75	1	2
SEND	C.A 1-2	1-2	2-3	3-4	4-5	~~5-6~~	5-6	6-7	1-2	2-3
RECEIVE										
RANGE	X10(0+100)	X10(0+100)	X10(0+100)	X10(0+100)	X10(75+0)	~~X10(0+100)~~	X10(75+0)	X10(0+200)	X10(0+100)	X10(0+100)
VOLTAGE	200	220	220	260	320	~~350~~	280	240	220	220
CURRENT	1	1	1	1	.75	1	.75	2	1	1

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS: 4-5
VOLTAGE 300
CURRENT 1

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 40S, HALF WEST, SP. 1, DATE JULY 31, 1975

PAGE 2

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	
RECEIVE										
RANGE	X10(6+100)	X10(6+100)	X10(6+100)	X10(6+100)	X10(6+100)	X10(6+100)	X10(6+100)	X10(6+100)	X10(6+100)	
VOLTAGE	250	260	220	220	220	250	260	220	220	
CURRENT	1	1	1	1	1	1	1	1	1	
SEND	3-4									
RECEIVE										
RANGE	X10(6+100)									
VOLTAGE	260									
CURRENT										

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 36S, HALF E, SR. 1, a = 200', BEARING E/W

SENDER STA. 00FW = ELECTRODE NO. 4, DATE July 30, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	6-7
RECEIVE	0-2E	→	2-4E	→	→	4-6E	→	→	→	6-7
MULTIPLIER	10	10	10	10	10	10	10	1.0	1.0	1.0
PFE	+3.8	+.1	+2.0	+1.8	.6	.6	+1.8	+2.1	+1.4	+.1
CUR. (AMPS)	3	—	—	—	—	—	—	—	→	use 0.0
POINT NO.										
SEP. (n)	1	2	1	2	3	1	2	3	4	
H. F. MV	219	380	153	150	247	265	131	15.2	30.9	98.5
DRIFT	0	+.3	+.2	+.3	+.2	0	0	0	0	+.1
1.0 PFE K_n/1000	0.6	2.4	0.6	2.4	6?	0.6	2.4	6	12	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	3.9	-0.1	1.9	1.7	0.5	0.6	1.8	2.1	1.4	
3.0 MV $\rho/2\pi$	44	309	31	122	546	54	106	31	125	
DRIFT MCF	88	0.32	61	14	0.92	11	17	68	11	
S. P.	+6.7		+8.0			+8.9				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA B011

LINE 36S, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 30, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	6-8	E →				8-10 E →				
MULTIPLIER	10	1.0	1.0	1.0	1.0	10	10	1.0	1.0	0.1
PFE	+1.2	+1.2	+2.4	+2.6	+2.2	+4.0	+5.0	+4.4	+5.2	+5.7
CUR. (AMPS)	3	→								
POINT NO.										
SEP. (n)	1	2	3	4	5	1	2	3	4	5
H. F. MV	270	43.8	79.4	14.6	30.5	298	267	58.3	34.5	7.64
DRIFT	0	0	0	0	0	0	+.2	0	0	-.2
1.0 PFE K_n/1000	0.6	2.4	6	12	21	0.6	2.4	6	12	21
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	1.2	1.2	2.4	2.6	2.2	4.0	4.9	4.4	2.2	5.8
3.0 MV $\rho/2\pi$	55	36	161	59	217	61	217	118	140	54
DRIFT MCF	22	34	15	44	10	66	23	37	16	107
S. P.	+3.3					-41.3				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 366, HALF E, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 30, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	10-12 E	→	→	→	→	12-14 E	→	→	→
MULTIPLIER	1.0	10	10	1.0	1.0	1.0	1.0	10	1.0	1.0
PFE	+5.9	+1.3	+1.5	+1.6	+2.7	+3.1	+1.8	+1.7	1.6	2.6
CUR. (AMPS)	3	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)	6	2	3	4	5	6	3	4	5	6
H. F. MV	16.0	232	298	78.5	47.3	18.9	67.3	118	40.6	29.5
DRIFT	0	0	0	0	0	-.2	0	0	0	-.2
1.0 PFE K_n/1000	33.6	2.4	6	12	21	33.6	6	12	21	33.6
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	5.9	1.3	1.5	1.6	2.7	3.2	1.8	1.7	1.6	2.7
3.0 MV $\rho/2\pi$	182	188	605	319	336	135	137	479	289	335
DRIFT MCF	.32	6.9	2.5	5.0	8.0	24	13	3.5	5.5	8.0
S. P.		-26.9					-33.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 10-26 AREA Boll

LINE 365, HALF E, SR. 1, a = 200, BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 30, 1978

PAGE 4

HEINRICHS GEOEX

SEND		6-7	5-6	4-5							
RECEIVE		14-16	E →								
MULTIPLIER		1.0	1.0	1.0							
PFE		+1.3	+1.3	+1.3							
CUR. (AMPS)		3	→								
POINT NO.											
SEP. (n)		4	5	6							
H. F. MV		18.0	38.5	14.9							
DRIFT		0	-.3	0							
1.0 PFE	K_n/1000	12	21	33.6							
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_c	1.3	1.5	1.3							
3.0 MV	$\rho/2\pi$	73	274	169							
DRIFT	MCF	18	5.5	7.7							
S. P.		-15.1									
NOISE											
POT RES.											
CULT & CMTS		Fence (GR)									

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Bell

LINE 36B, HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. ONEW = ELECTRODE NO. 4, DATE July 31, 1975

PAGE 5

HEINRICHS GEOEX

SEND	S.P.	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	0-2 W	2-4 W	4-6 W	→	→	→	6-8 W	→	→	→
MULTIPLIER			10	10	10	10	10	10	1.0	1.0
PFE			+1.8	+1.9	+1.0	+1.8	+1.9	+2.4	+2.0	+2.4
CUR. (AMPS)			3	2	3	→	→	→	2	3
POINT NO.										
SEP. (n)			1	2	3	4	1	2	3	4
H. F. MV			581	198	300	26.7	266	164	83.1	81.2
DRIFT			0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$			0.6	2.4	6	12	0.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c			1.8	0.9	1.0	1.8	1.9	2.4	2.0	2.4
3.0 MV $\rho/2\pi$			120	244	617	110	55	135	256	334
DRIFT MCF			15	3.7	1.6	16	35	18	7.8	7.2
S. P.	+18.6	+5.0	+10.0				+19.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. 10-26, AREA Bell

LINE 36S, HALF W, SP. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE No. 4, DATE July 31, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	8-10	→	→	→	→	→	10-12 W	→	→
MULTIPLIER	1.0	10	1.0	1.0	1.0	1.0	0.1	10	1.0	1.0
PFE	+2.7	I 0	+2.2	+3.1	+2.4	+3.0	+3.0	I 0	+2.6	+2.9
CUR. (AMPS)	3	→	→	→	→	→	→	→	→	→
POINT NO.										
SEP. (n)	5	1	2	3	4	5	6	2	3	4
H. F. MV	15.2	838	73.4	77.8	43.4	70.0	9.67	122	24.2	34.4
DRIFT	0	0	+.2	0	0	0	0	0	0	0
1.0 PFE K_n/1000	21	0.6	2.4	6	12	21	33.6	2.4	6	12
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c	2.7	0.0	2.1	3.1	2.4	3.0	3.0	0.0	2.6	2.9
3.0 MV $\rho/2\pi$	109	172	60	160	179	504	111	100	50	142
DRIFT MCF	25	0.0	35	19	13	6.0	27	0.0	52	20
S. P.		-2.0						-2.1		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 1026, AREA Boll

LINE 36S, HALF W, SR. 1, a = 200', BEARING E/W

SENDER STA. 00EW = ELECTRODE NO. 4, DATE July 31, 1975

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	(1A)
RECEIVE	→	→	12-14W	→	→	→	14-16W	→	→	1-2
MULTIPLIER	1.0	1.0	10	1.0	1.0	1.0	1.0	0.1	1.0	1.0
PFE	+2.4	+3.0	+.9	+3.2	+4.0	+3.3	+2.8	+3.0	+4.0	+.1
CUR. (AMPS)	2	3	→	→	→	2	2	→	→	0.0
POINT NO.										
SEP. (n)	5	6	3	4	5	6	4	5	6	
H. F. MV	16.9	27.8	25.4	60.9	89.0	45.2	36.2	9.70	14.6	97.2
DRIFT	0	0	0	0	0	0	0	0	0	+.1
1.0 PFE K_n/1000	21	33.6	6	12	21	33.6	12	21	33.6	
0.3 PFE P_{CAL}										
0.1 PFE PFE_c	2.4	3.0	0.9	3.2	4.0	3.3	2.8	3.0	4.0	
3.0 MV $P/2\pi$	182	320	523	251	641	781	149	70	168	
DRIFT MCF	13	9.4	1.7	13	6.2	4.2	19	43	24	
S. P.			+10.8				+4.8			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1626 AREA BELL

LINE 36S, HALF EAST, SP. 1, DATE JULY 30, 1975

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	EA 6-7
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x1(0+100)
VOLTAGE	220	220	120	120	220	260	140	120	220	100
CURRENT	3	3	3	3	3	3	3	3	3	1
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)
VOLTAGE	260	200	140	120	220	160	260	260	140	120
CURRENT	3	3	3	3	3	3	3	3	3	3

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 365, HALF EAST, SP. 1, DATE JULY 30, 1975

PAGE 2

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE										
RANGE	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)
VOLTAGE	220	200	260	260	140	120	220	260	260	140
CURRENT	3	3	3	3	3	3	3	3	3	3
SEND	6-7	5-6	4-5							
RECEIVE										
RANGE	X10(0+300)	X10(0+300)	X10(0+300)							
VOLTAGE	220	250	260							
CURRENT	3	3	3							

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

PAGE 1

HEINRICHS GEOEX

JOB No. 1026 AREA BELL

LINE 36S, HALF WEST, SP. 7, DATE JULY 31, 1975

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	CA 1-2
RECEIVE										
RANGE	x10(0+300)	x10(0+200)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+200)	x10(0+300)	x10(0+300)	x10(0+100)
VOLTAGE	140	260	260	220	180	140	260	260	220	160
CURRENT	3	2	3	3	3	3	2	3	3	1
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE										
RANGE	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+300)	x10(0+200)
VOLTAGE	280	180	160	260	400	220	280	180	140	260
CURRENT	3	3	3	3	3	3	3	3	3	2

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE 36S, HALF WEST, SP. 1, DATE JULY 31

PAGE 2

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE										
RANGE	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)	X10(0+300)		
VOLTAGE	400	300	180	140	260	300	180	140		
CURRENT	3	3	3	3	2	3	3	3		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. RECEIVER NOTES, JOB NO. [illegible], AREA Bell

PAGE 1

LINE N/S, HALF S, SR. [illegible], a = 200', BEARING N/S

SENDER STA. 26N = ELECTRODE NO. 4, DATE SEPT. 29, 1975

HEINRICHS GEOEX

SEND	3-4	3-4	3-4	2-3	1-2	0.5-	3-4	2-3	1-2	Pot
RECEIVE	26-24N	→	24-22N	→	→	22-20N	→	→	→	6-7
MULTIPLIER	10	10	10	1.0	1.0	10	10	1.0	1.0	1.0
PFE	+1.5	+2.0	+1.5	+1.0	+1.6	+1.3	+1.7	+1.0	+1.7	0
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	108	146	536	84.2	86.1	368	205	48.2	52.1	95.2
DRIFT	1.4	6	0	0	0	0	0	0	0	0
1.0 PFE / K_n/1000										
0.3 PFE / ρ_{CAL}										
0.1 PFE / PFE_c										
3.0 MV / $\rho/2\pi$										
DRIFT / MCF										
S. P.	-11.3		+50.8			+8.4				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB No. [illegible], AREA Bell

LINE N/S, HALF S, SR. [illegible], a = 200', BEARING N/S

SENDER STA. 26N = ELECTRODE No. 4, DATE Sept 29, 1975

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	20-18N	→				18-16N				
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0	1.0
PFE	+1.3	+1.4	+1.5	+1.6	+2.0	+1.5	1.5	1.7	+1.9	+2.3
CUR. (AMPS)										
POINT No.										
SEP. (n)										
H. F. MV	370	262	92.3	29.5	37.5	816	246	156	33.3	12.0
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$										
DRIFT MCF										
S. P.	+8.4					+1.0				
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. [illegible], AREA Bell

LINE N/S, HALF S, SP. [illegible], a = 200', BEARING N/S

SENDER STA. 26N = ELECTRODE NO. 4, DATE Sept. 29, 1975

PAGE 3

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	→	16-14N	→	→	→	→	14-12N	→	→	→
MULTIPLIER	1.0	10	10	1.0	1.0	0.1	10	1.0	1.0	1.0
PFE	+2.5	+2.1	1.9	1.9	+2.2	+1.7	+2.8	2.6	2.8	+3.1
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	16.0	23.5	16.8	58.2	17.2	6.37	112	86.1	41.3	10.5
DRIFT	0	0	0	0	0	1.2	0	0	0	0
1.0 PFE $K_n/1000$										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$										
DRIFT MCF										
S. P.		+14.3					+9.1			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. [redacted]6, AREA 15011

LINE N/S, HALF S, SR 2, a = 200', BEARING N/S

SENDER STA. 26N = ELECTRODE NO. 4, DATE SEPT, 29, 1975

PAGE 4

HEINRICHS GEOEX

SEND	6-7	5-6	4-5							
RECEIVE	12-10N	→	→							
MULTIPLIER	1.0	1.0								
PFE	+2.5	+2.8	+2.7							
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	42.9	35.8	28.4							
DRIFT	+.2	0	0							
1.0 PFE $K_n/1000$										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$										
DRIFT MCF										
S. P.	-10.6									
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. [illegible], AREA Bell

LINE N/S, HALF N, SP. [illegible], a = 200', BEARING N S

SENDER STA. 26N = ELECTRODE NO. 4, DATE Sept. 30, 1975

PAGE 5

HEINRICHS GEOEX

SEND	SP	SP	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6
RECEIVE	26-28N	28-30N	30-32N				32-34N			
MULTIPLIER	—	—	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	—	—	+1.6	+1.9	+1.3	+1.7	+1.2	+1.9	+2.2	+2.0
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	—	—	635	376	146	69.3	386	178	119	78.6
DRIFT	—	—	0	0	0	0	0	0	0	0
1.0 PFE $K_n/1000$										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$										
DRIFT MCF										
S. P.	+8.5	-10.2	+2.3				-13.4			
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. [redacted], AREA Bell

LINE N/S, HALF N, SP. [redacted], a = 200', BEARING N/S

SENDER STA. 26N = ELECTRODE NO. 4, DATE Sept. 30, 1975

PAGE 6

HEINRICHS GEOEX

SEND	6-7	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4
RECEIVE	→	34-36N					→	36-38N		
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+1.7	+1.6	+1.7	+1.4	+2.2	+2.4	+1.7	+1.2	+1.7	+1.3
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	32.5	21.4	76.2	59.0	44.8	30.1	15.7	76.1	40.4	40.8
DRIFT	0	0	0	0	0	0	0	0	0	0
1.0 PFE / K_n/1000										
0.3 PFE / ρ_{CAL}										
0.1 PFE / PFE_c										
3.0 MV / $\rho/2\pi$										
DRIFT / MCF										
S. P.		+13.2						-1.1		
NOISE										
POT RES.										
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. [illegible], AREA Bell

LINE N/S, HALF N, SP. [illegible], a = 200', BEARING N/S

SENDER STA. 26N = ELECTRODE NO. 4, DATE SEPT. 29 1975

PAGE 7

HEINRICHS GEOEX

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	3&1
RECEIVE	→	→	38-40N	→	→	→	40-42N	→	→	1-2
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	+2.8	+2.1	+1.7	+1.4	+1.7	+1.9	+1.8	+1.4	+1.7	+1.2
CUR. (AMPS)										
POINT NO.										
SEP. (n)										
H. F. MV	36.8	28.2	41.0	26.6	30.1	24.7	26.2	18.2	23.4	47.0
DRIFT	0	0	+.2	0	0	0	0	0	0	0
1.0 PFE K_n/1000										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$										
DRIFT MCF										
S. P.			+4.7				+12.0			
NOISE										
POT RES.										
CULT & CMTS										

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE N.S., HALF SOUTH, SP. 2, DATE 9/29/75

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	3-4
RECEIVE										
RANGE	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100
VOLTAGE	80	220	100	80	230	120	100	80	230	100
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	2-3	1-2	5-7	6-7	5-6	4-5	3-4	2-3	1-2	6-7
RECEIVE										
RANGE	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100
VOLTAGE	80	230	200	200	120	190	100	80	230	200
CURRENT	1	1	1	1	1	1	1	1	1	1

FREQUENCIES

SENDER No.

OPERATOR TED MERIKLE

RECEIVER No.

OPERATOR BILL HURLEY

COMMENTS:

I. P. SENDER NOTES

JOB No. 1026 AREA [illegible]L

LINE N.S., HALF SOUTH, SP. 2, DATE 9/29/75

PAGE 2

HEINRICHS GEOEX

SEND	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4	6-7	5-6
RECEIVE										
RANGE	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100	x10+100
VOLTAGE	190	120	100	80	200	190	120	100	200	190
CURRENT	1	1	1	1	1	1	1	1	1	1
SEND	4-5									
RECEIVE										
RANGE	x10+100									
VOLTAGE	120									
CURRENT	1									

FREQUENCIES	COMMENTS:
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

I. P. SENDER NOTES

JOB No. 1026 AREA BOL

LINE N.S., HALF NORTH, SP. 1, DATE 9/30/75

PAGE 1

HEINRICHS GEOEX

SEND	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7	9A 2
RECEIVE										
RANGE	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+100	X10+50
VOLTAGE	100	100	190	200	80	100	100	190	200	130
CURRENT	1	1	1	1	1	1	1	1	1	.50
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE										
RANGE	X10+50	X10+100	X10+100	X10+100	X10+100	X10+100	X10+50	X10+100	X10+100	X10+100
VOLTAGE	130	80	100	100	190	200	130	80	100	100
CURRENT	.50	1	1	1	1	1	.50	1	1	1

FREQUENCIES	COMMENTS:
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

I. P. SENDER NOTES

JOB No. 1026 AREA BELL

LINE N.S., HALF NORTH SP. 1, DATE 9/30/75

PAGE 2

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE										
RANGE	x10+100	x10+50	x10+100	x10+100	x10+100	x10+50	x10+100	x10+100		
VOLTAGE	190	130	80	100	100	130	80	100		
CURRENT	1	.50	1	1	1	.50	1	1		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES	COMMENTS:
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

JOB No. 1026 LINE No. 265 PAGE 1
AREA Bell DATE 9/4/75
INSTRUMENT G-816

	STA.	TIME	READING	BASE CORR.	Δt	DRIFT CORR.	VALUE
1	Base	5:30	53201				
2	2E		53365				
3			54047				
4	3E		56177				
5			52394				
6	4E		51006				
7			53710	~	Fe O		
8	5E		51000				
9			50672				
10	6E		50580				
11			50568				
12	7E		50568				
13			50577				
14	8E		50578	200' W of Ranch			
15	Base		53199				
16	1.5E		51468				
17	1E		50765				
18			50346				
19	0-E/W		49858				
20			50490	~ Fe O			
21	1W		53800	± Fe O			
22			52675	~ Fe O			
23	2W		50923				
24			50922				
25	3W		50935				
26			51014				
27	4W		51211				
28			51216				
29	5W		51212	on crest			
30			51178				

JOB No. 1026 LINE No. 265 PAGE 2
AREA Bell DATE 9/9/75
INSTRUMENT G-816

#	STA.	TIME	READING	BASE CORR.	Δt	DRIFT CORR.	VALUE
1	6W		51139				
2			51059				
3	7W		51074				
4			51056				
5	8W		51010				
6	Base	6:30	53199				
7							
8							
9							
10							
11							
12							
13							
14							
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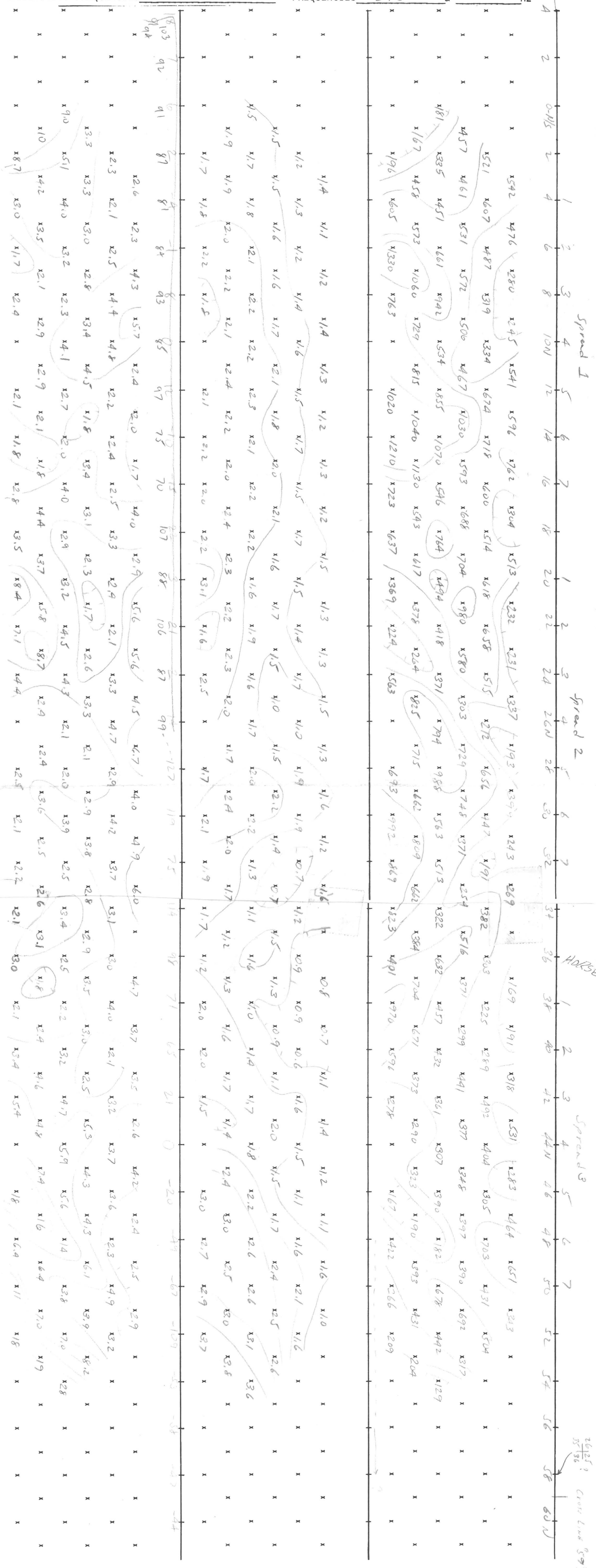
28							
29							
30							

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T. S. O. C.
DATE Sept. 1975 AREA Bell

LINE# N SP 1, 2 & 3 a= 200' BEARING N-S

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEX PLOTTION COMPANY

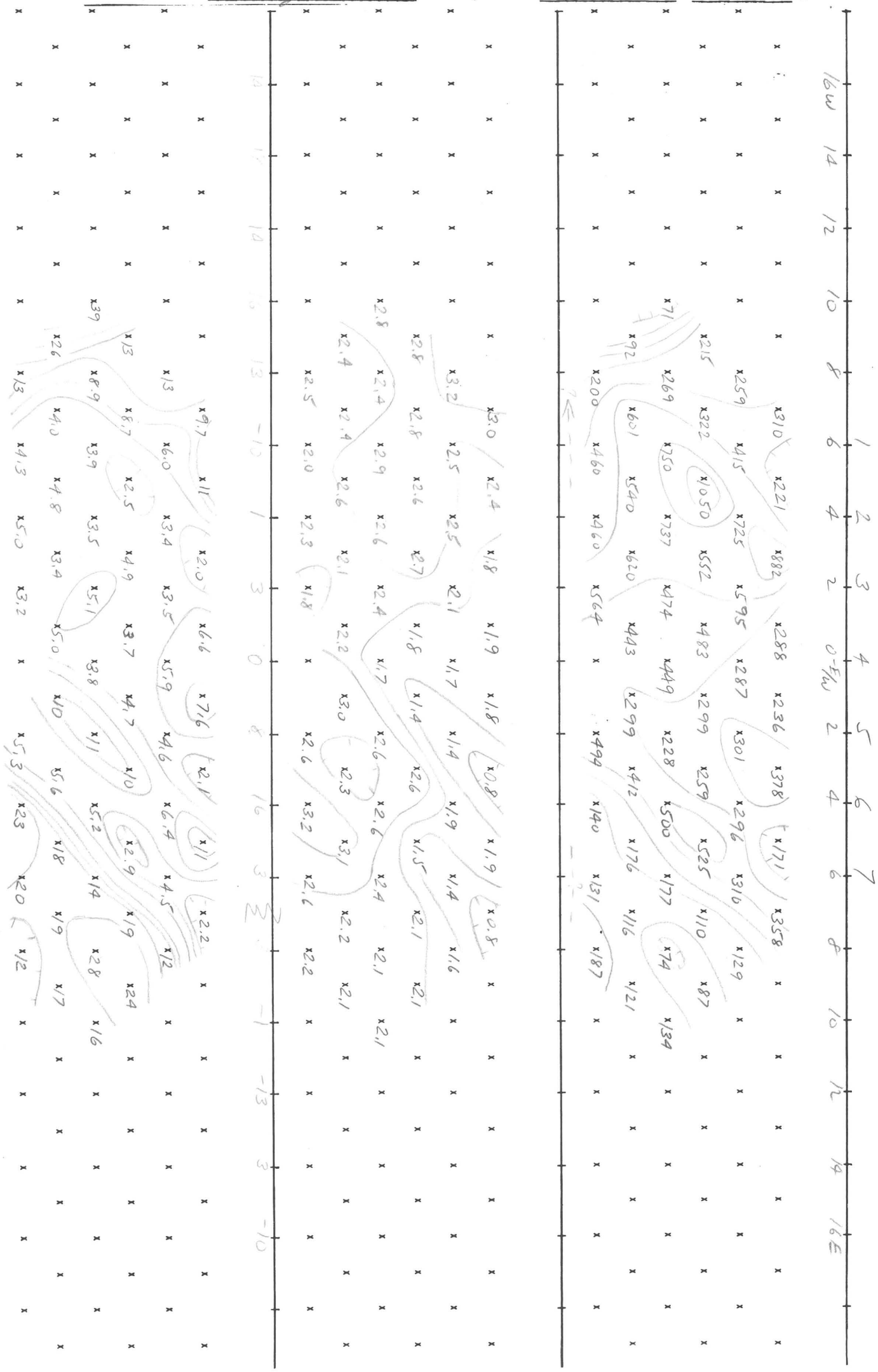
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T.S.O.C.

DATE July 1975 AREA Bell

LINE# 45 SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 hz FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEX PLOTTING COMPANY

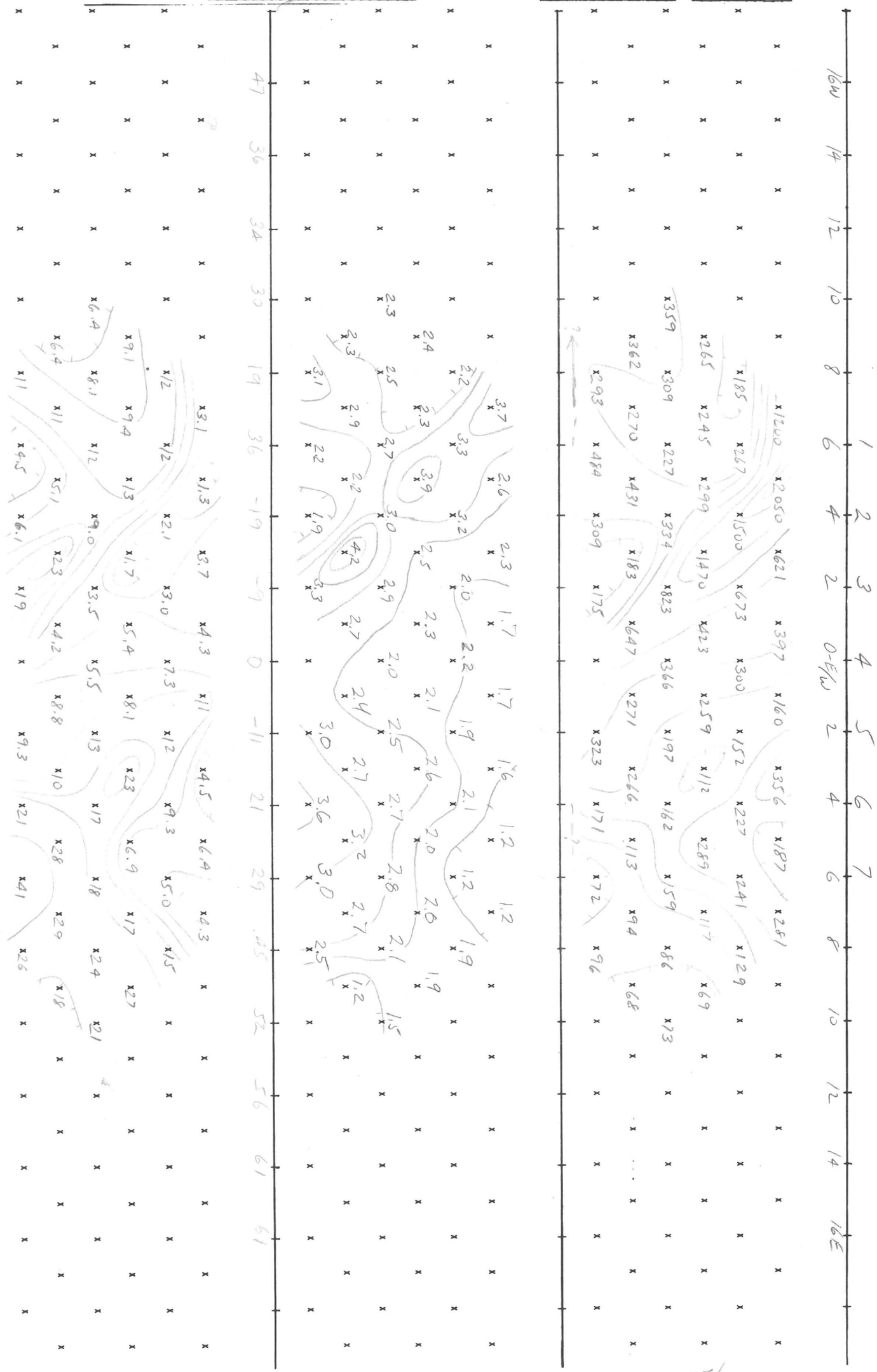
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT Superior Oil Company

DATE 7/18/75 AREA Bell

LINE# 85 SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES FREQUENCIES 3 & .3 Hz



HEINRICHS GEOEX PLOTTING COMPANY

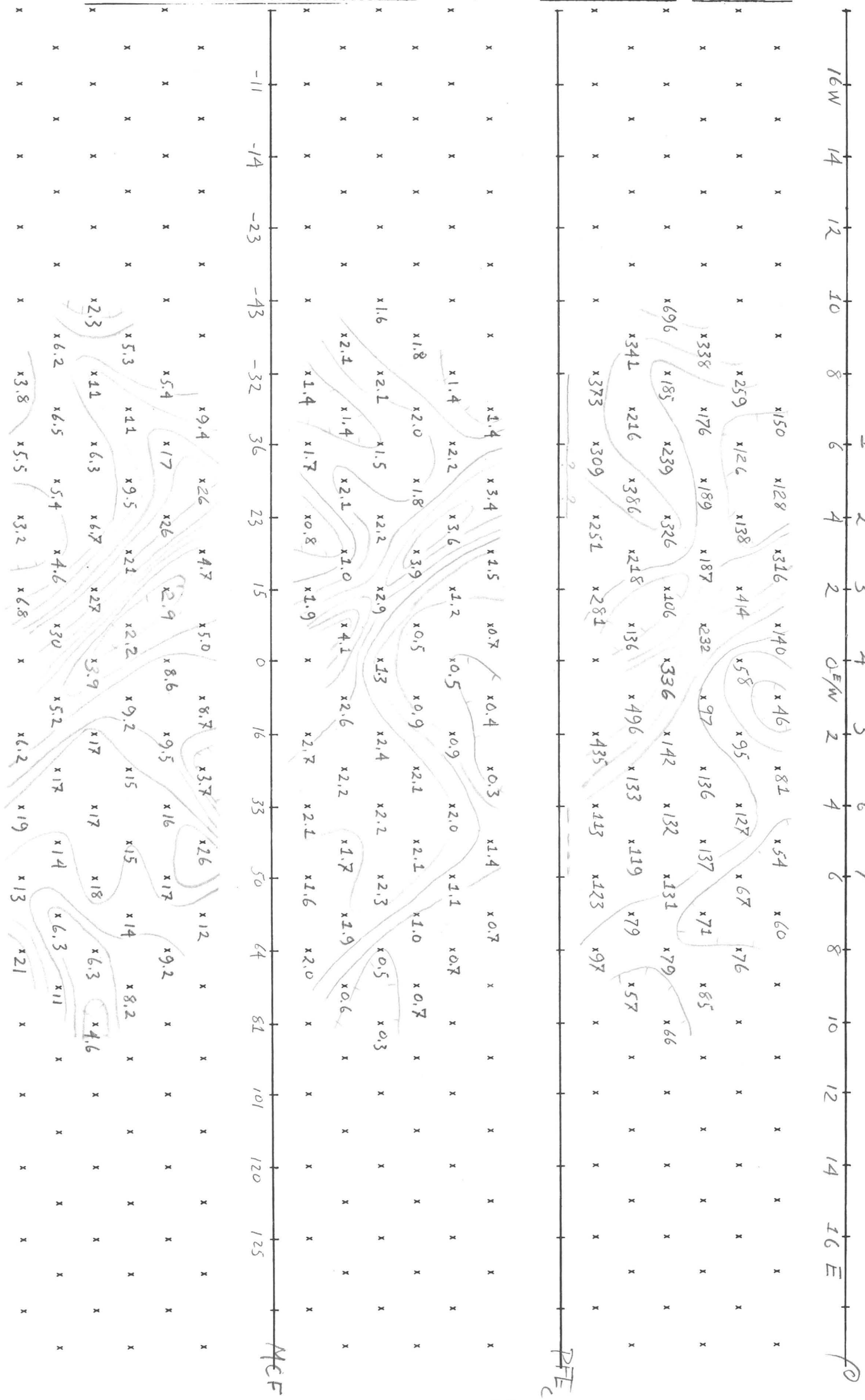
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T.S.O.C.

DATE July, 1975 AREA Bell

LINE# 12 S SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEX PLOTTING COMPANY

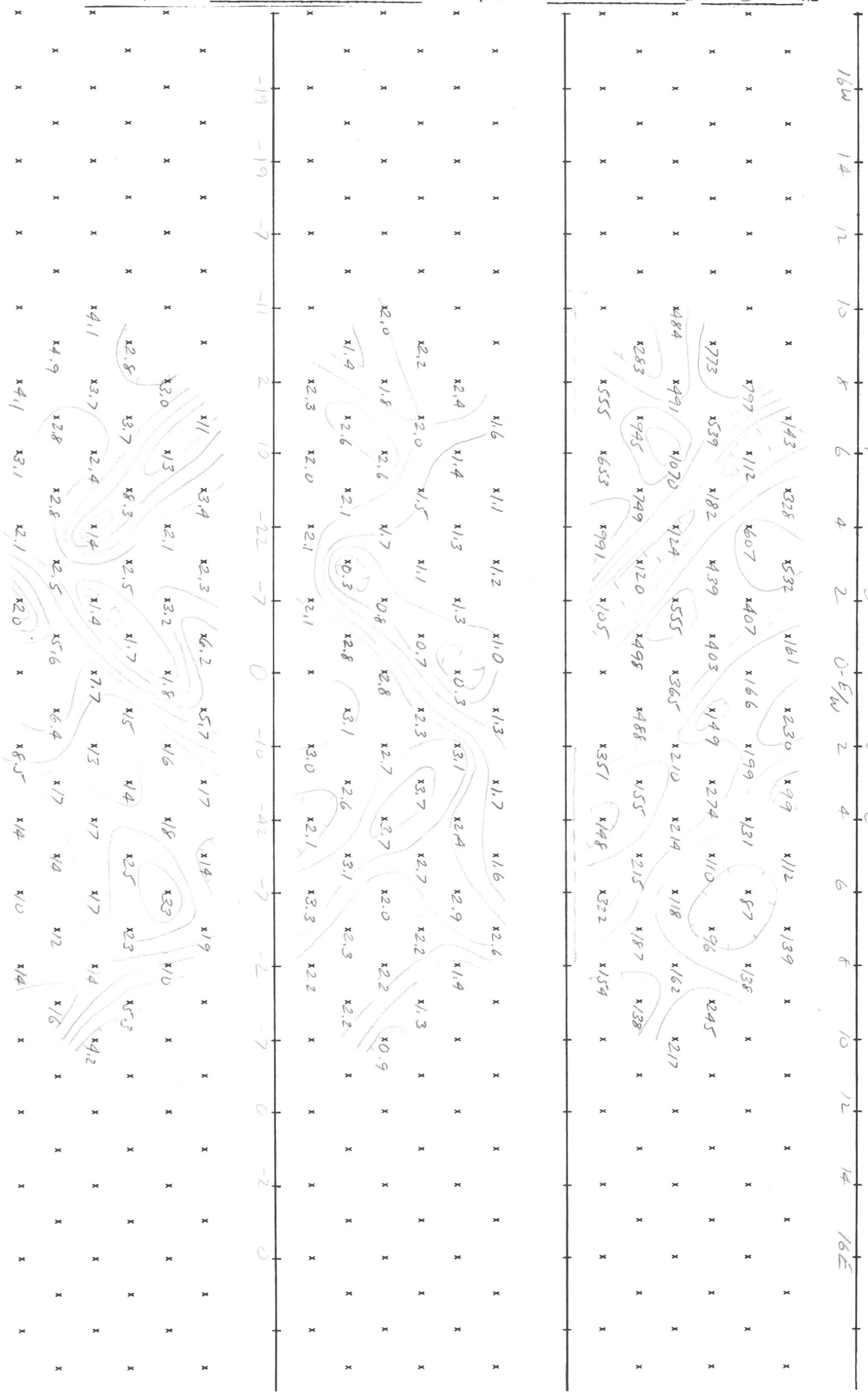
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T.S.O.C.

DATE July 1975 AREA Bell

LINE# 16S SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEX PLOTTION COMPANY

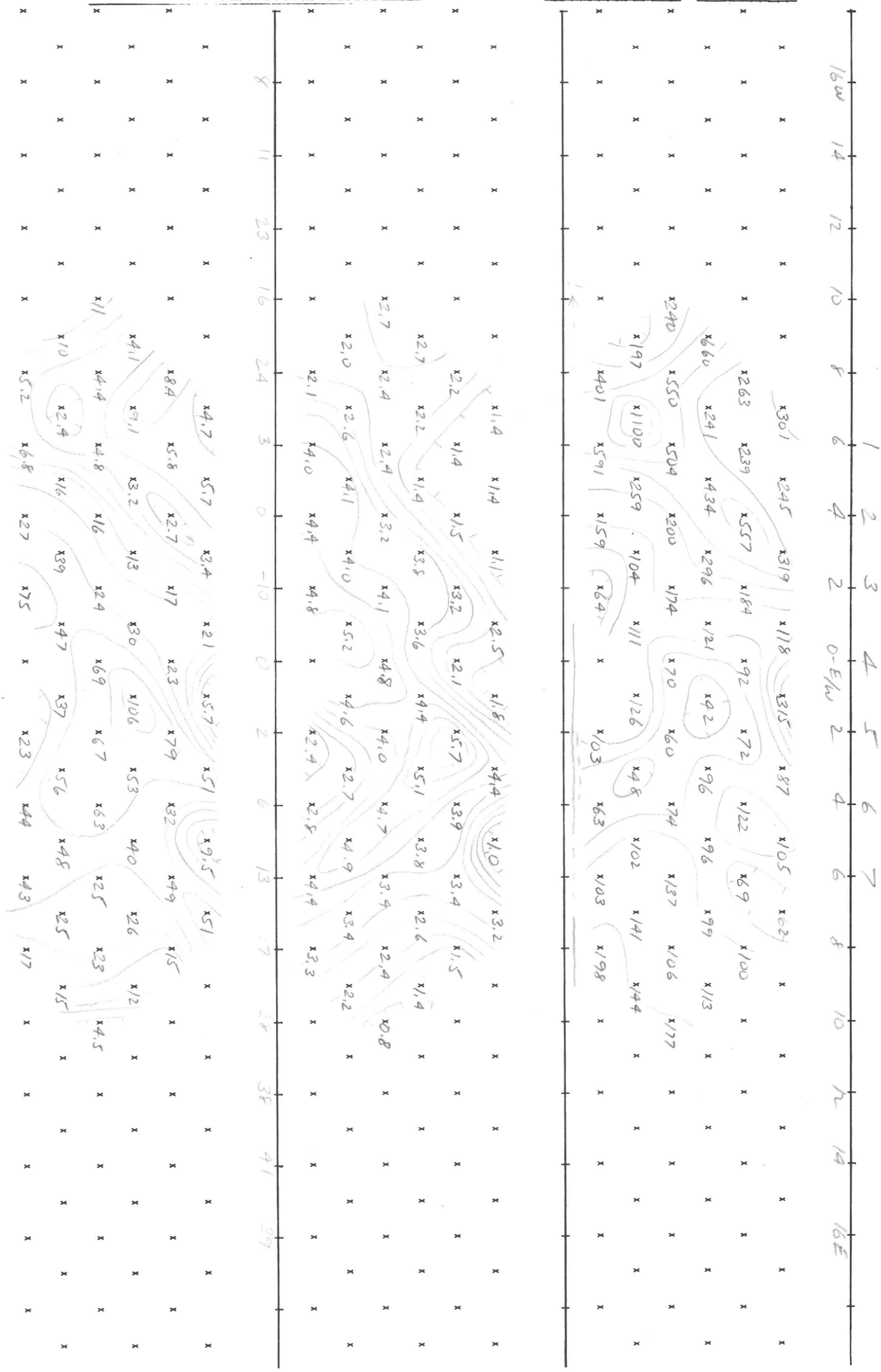
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T.S.O.C.

DATE July 1975 AREA Bell

LINE# 205 SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEXPLORATION COMPANY

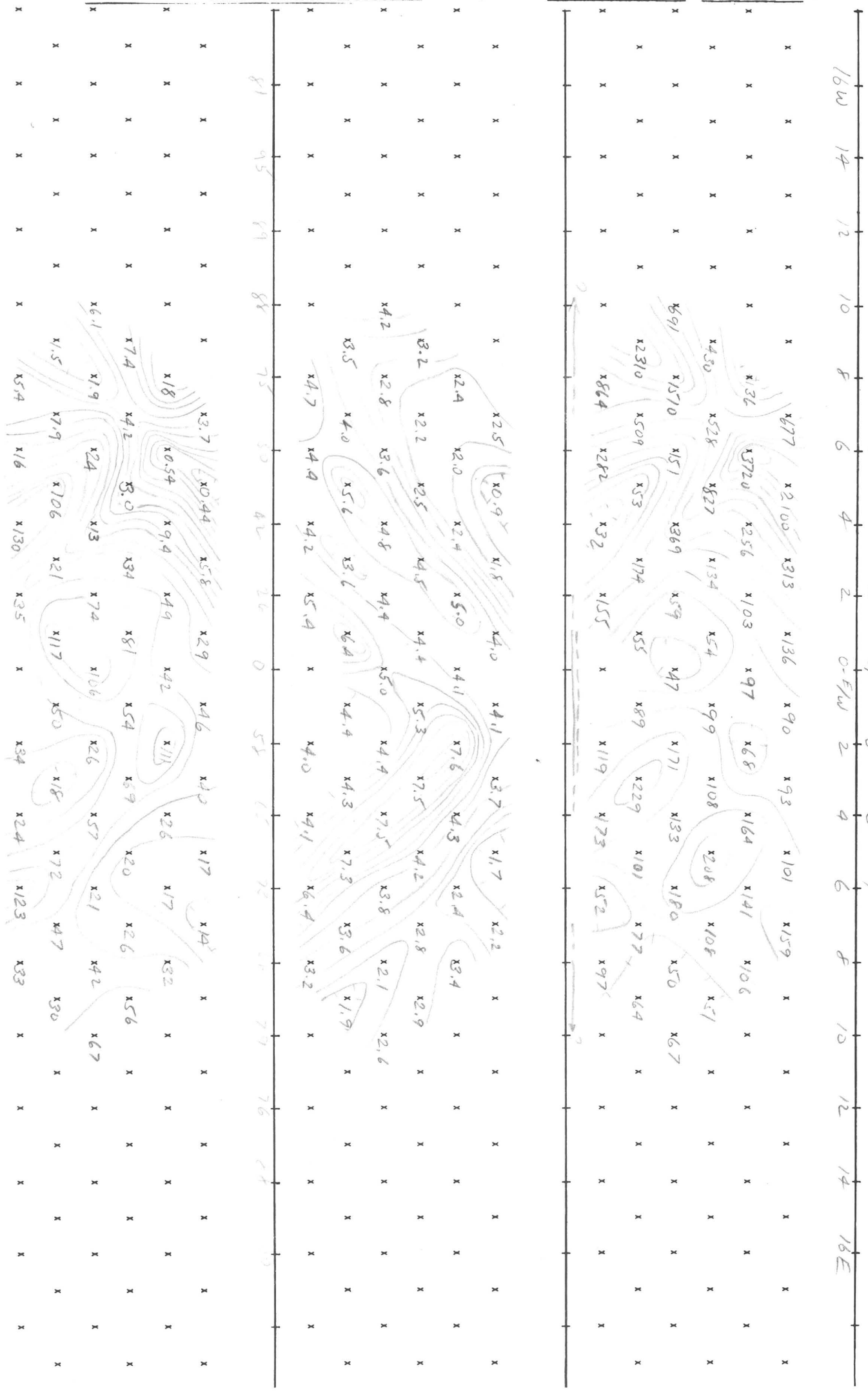
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T.S.O.C.

DATE July 1975 AREA Bell

LINE# 24S SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEXPLORATION COMPANY

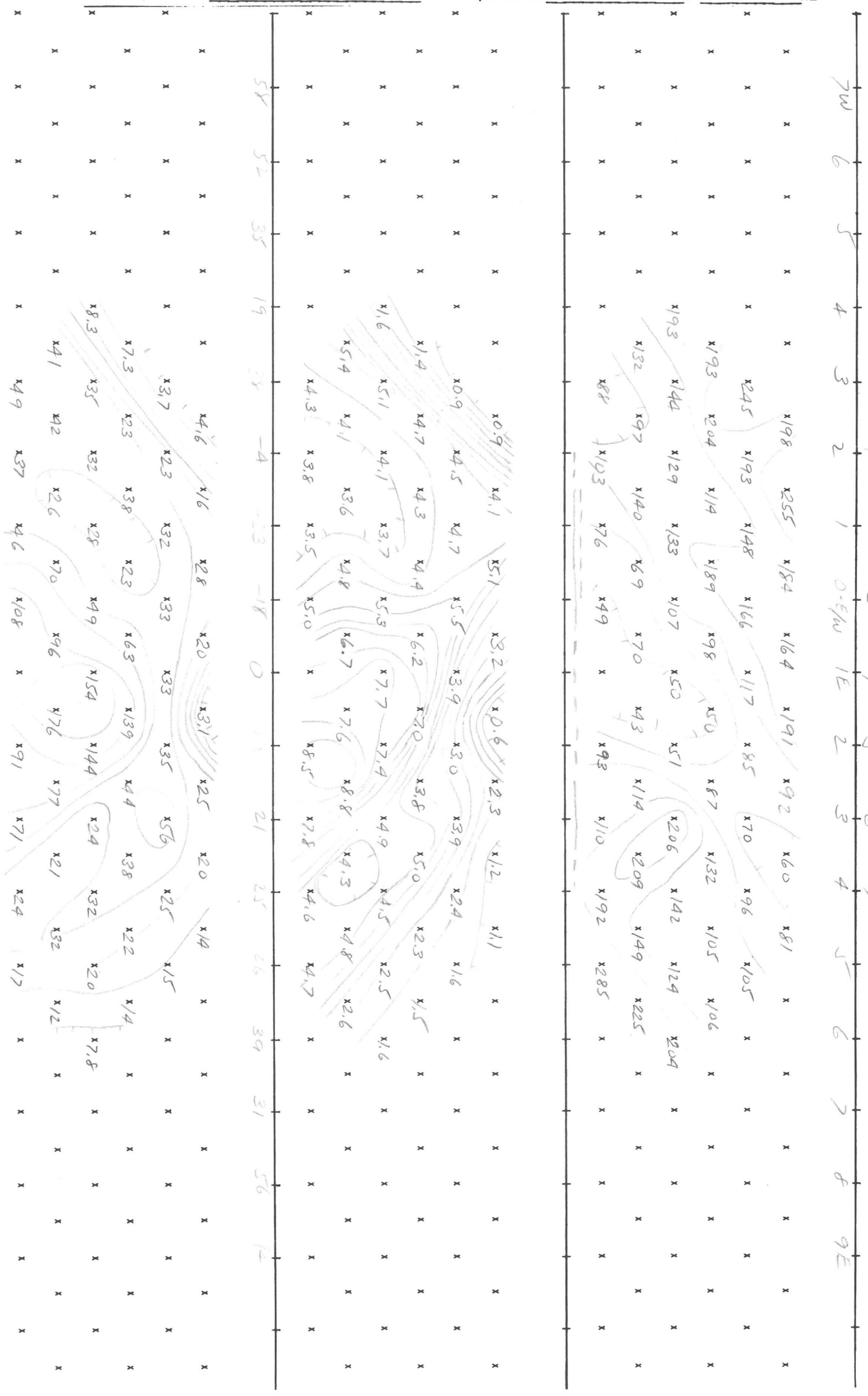
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T.S.O.C.

DATE August 1975 AREA Bell

LINE# 245 SP 2 a= 100' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 5.3 & 3.0 Hz



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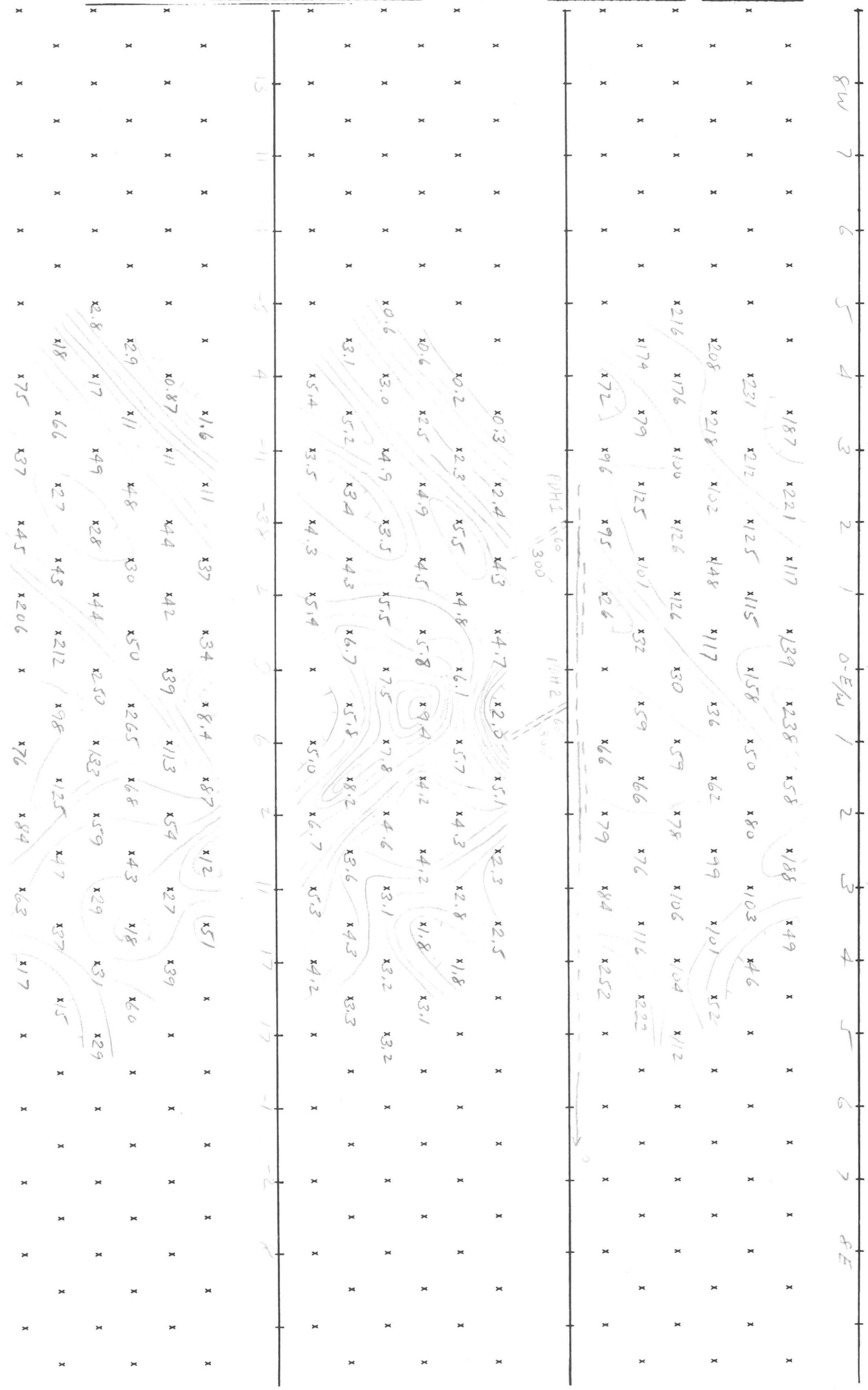
JOB # 1026 CLIENT T.S.O.C.

DATE August 1975 AREA Bell

LINE# 265 SP 1 a= 100' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



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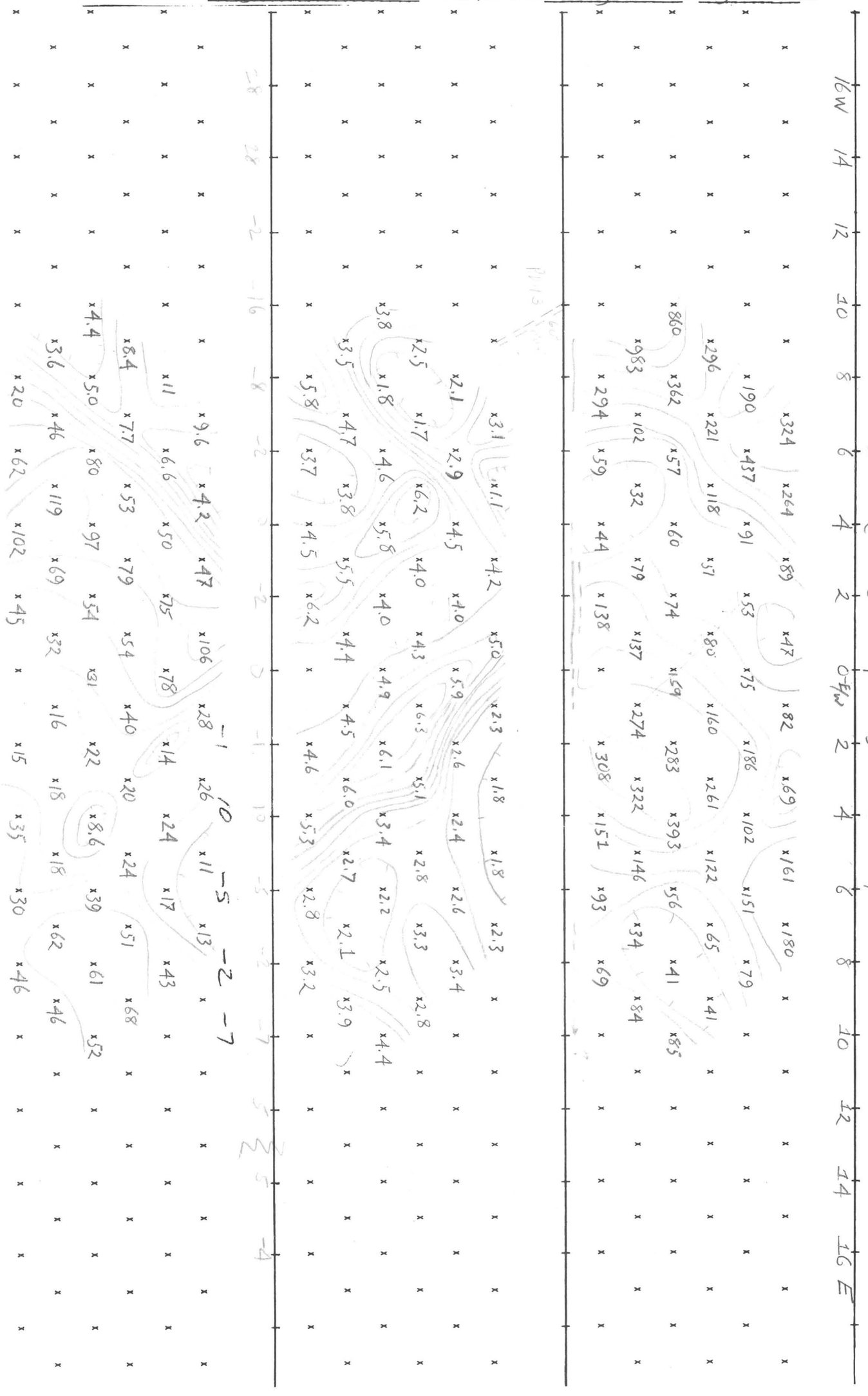
JOB # 1026 CLIENT T.S.O.C.

DATE July, 1975 AREA Bell

LINE# 28S SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEXPLORATION COMPANY

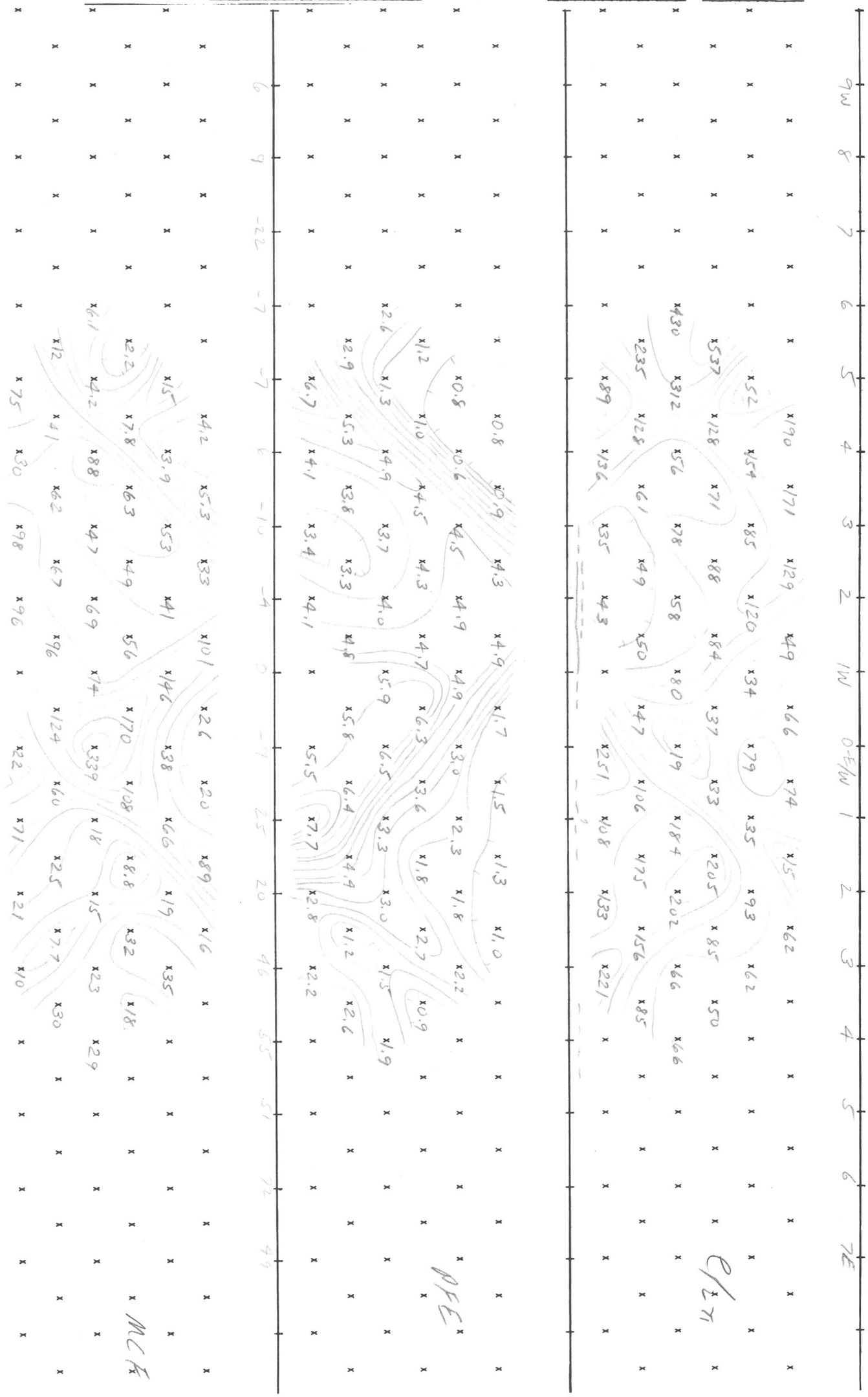
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T.S.O.C.

DATE August 1975 AREA Bell

LINE# 285 SP 2 a= 100' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



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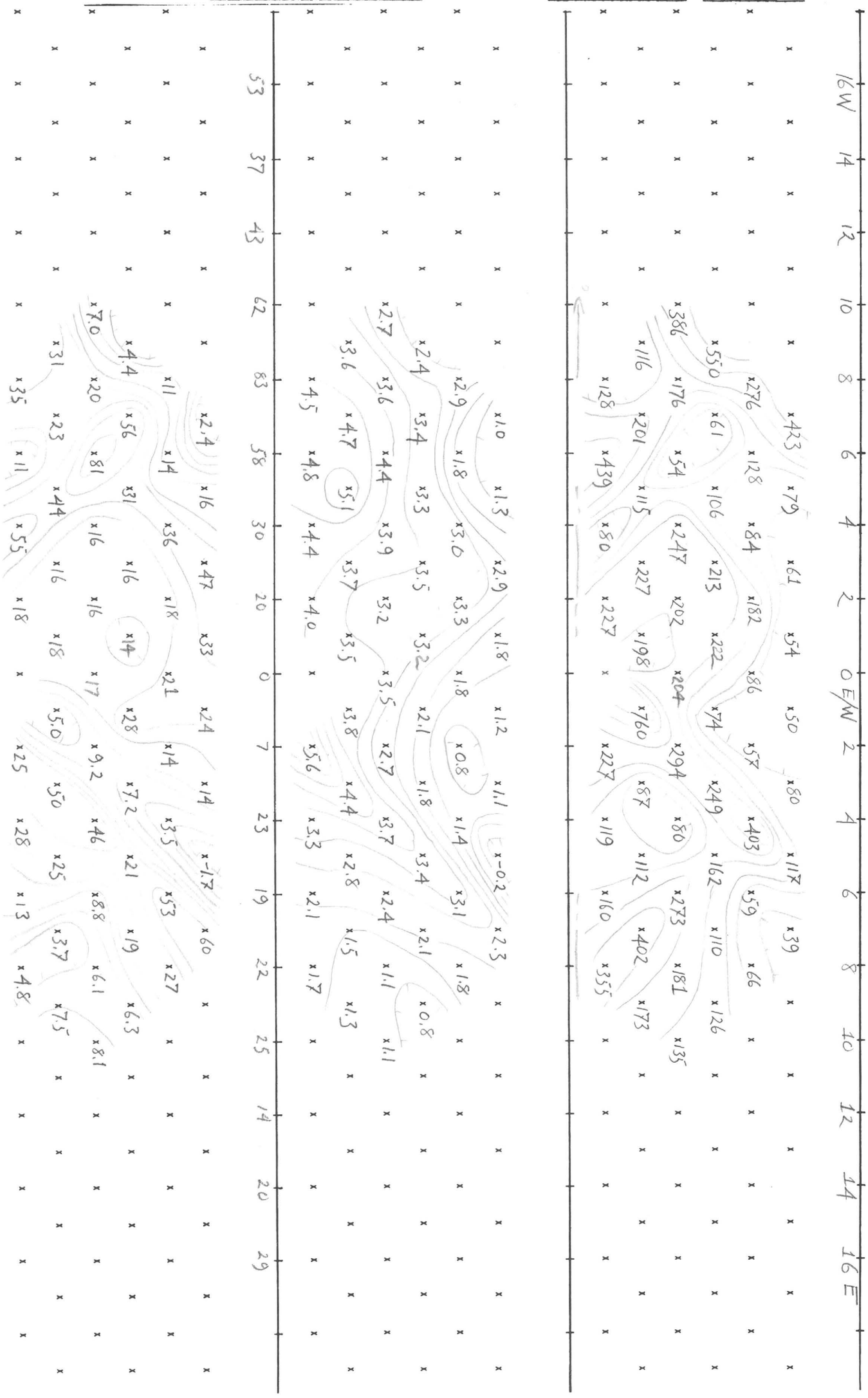
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T.S.O.C

DATE July, 1975 AREA Bell

LINE# 32 S SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEXPLORATION COMPANY

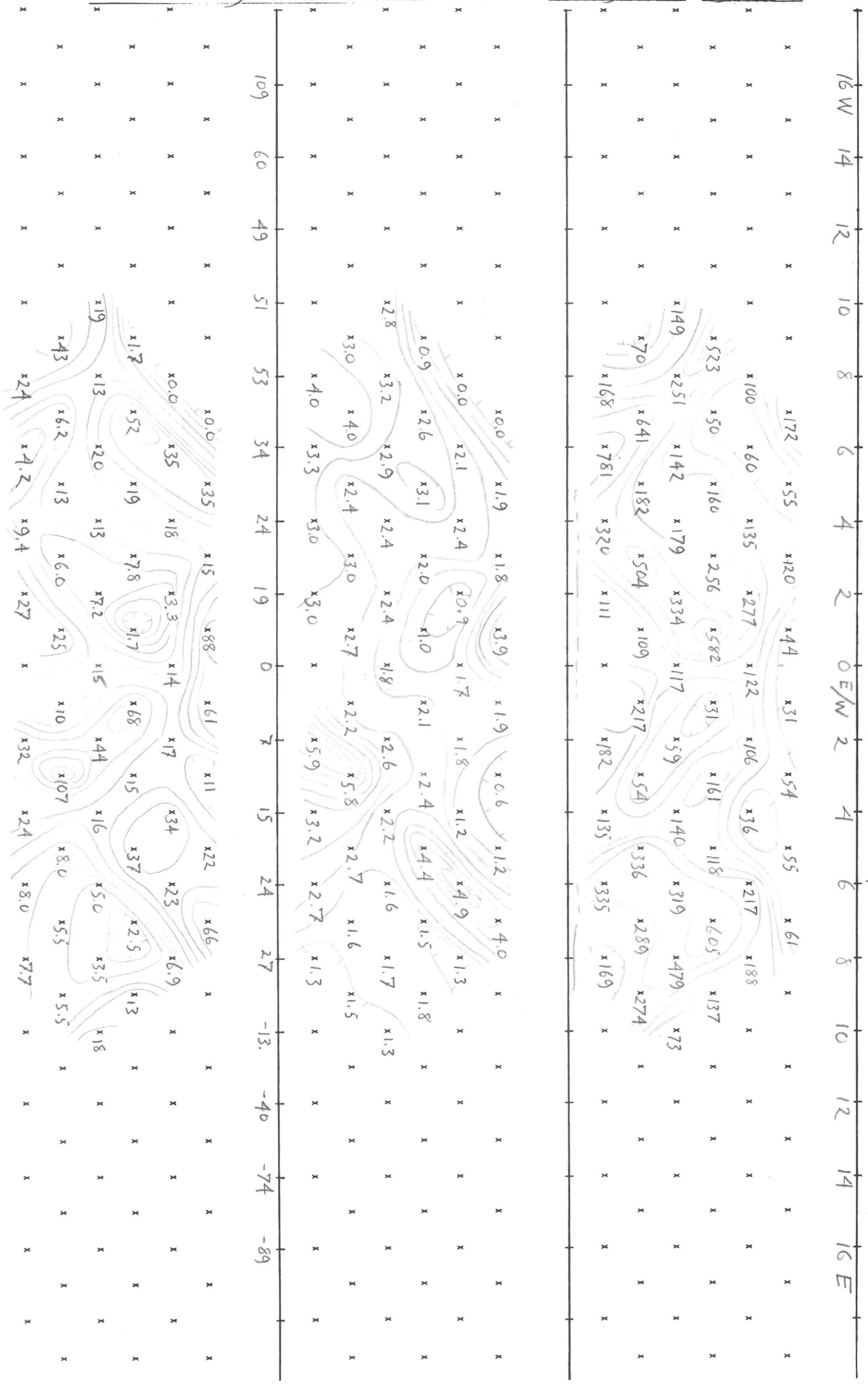
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T. S. O. C.

DATE July, 1975 AREA Bell

LINE# 36 S SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEXPLORATION COMPANY

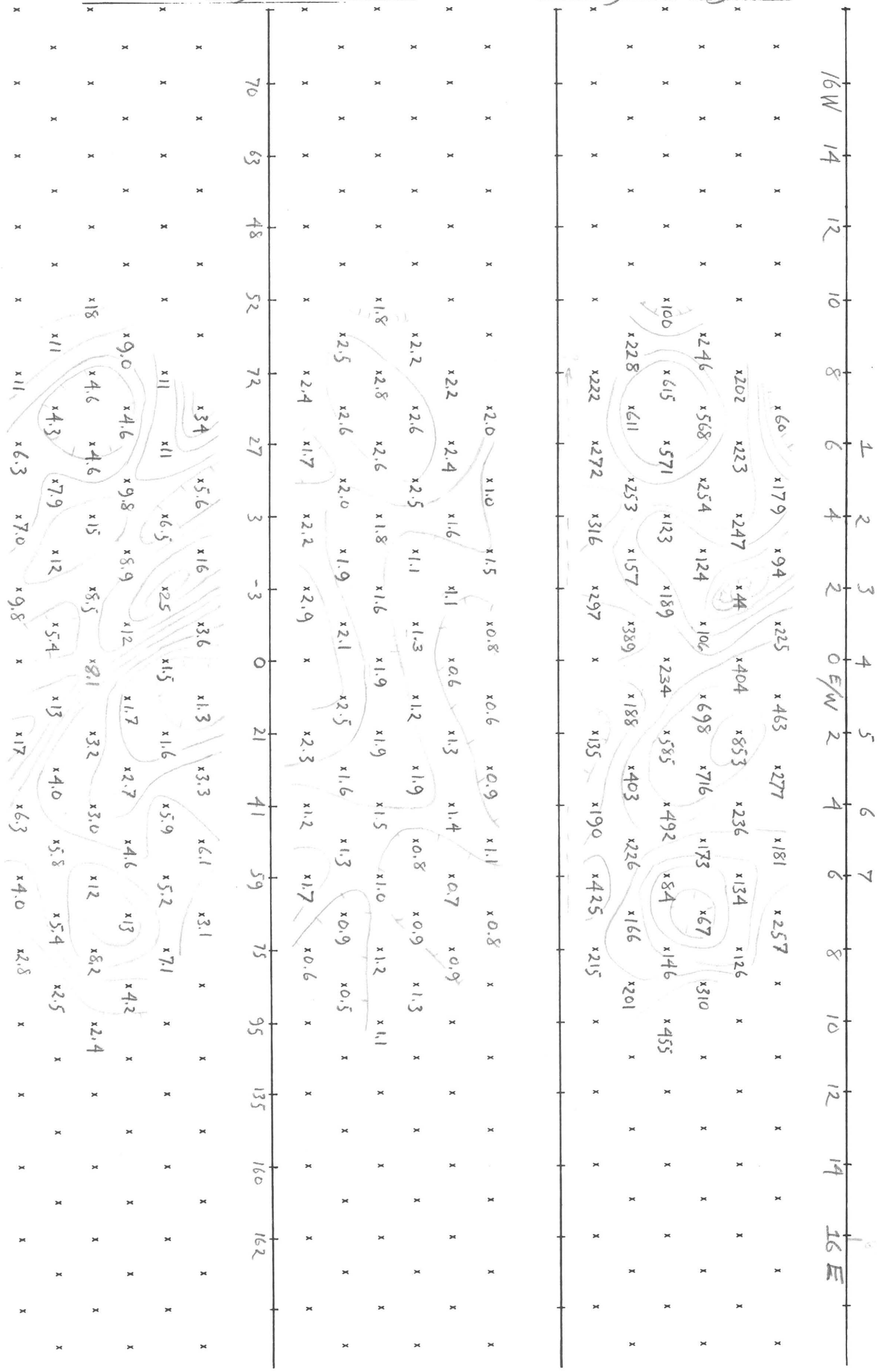
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T. S. O. C.

DATE July, 1975 AREA Bell

LINE# 40 S SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



HEINRICHS GEOEXPLORATION COMPANY

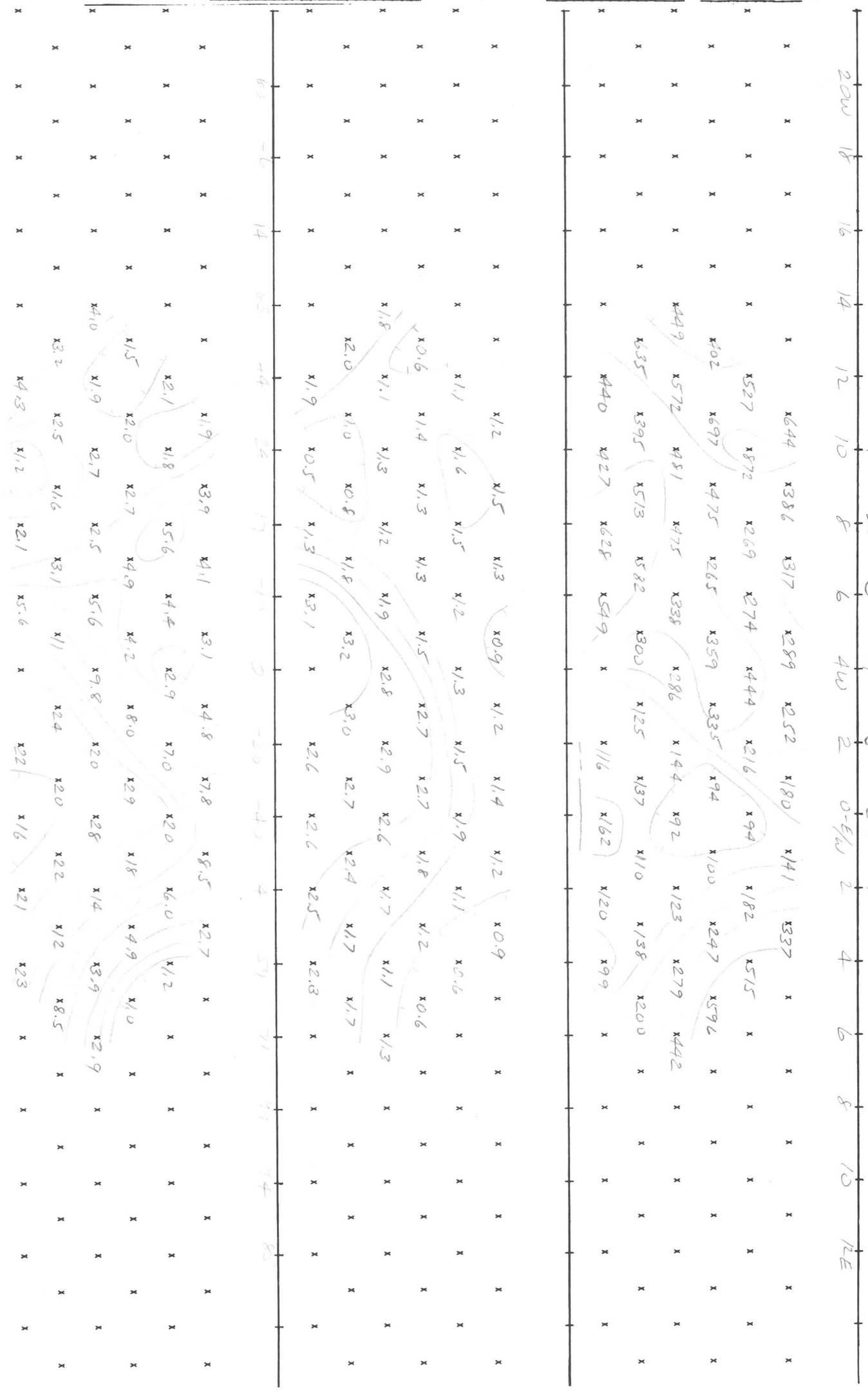
806 W. GRANT RD., P.O. BOX 5964 TUCSON, ARIZ. 85703. PH: (602) 623-0578

JOB # 1026 CLIENT T. S. O. C.

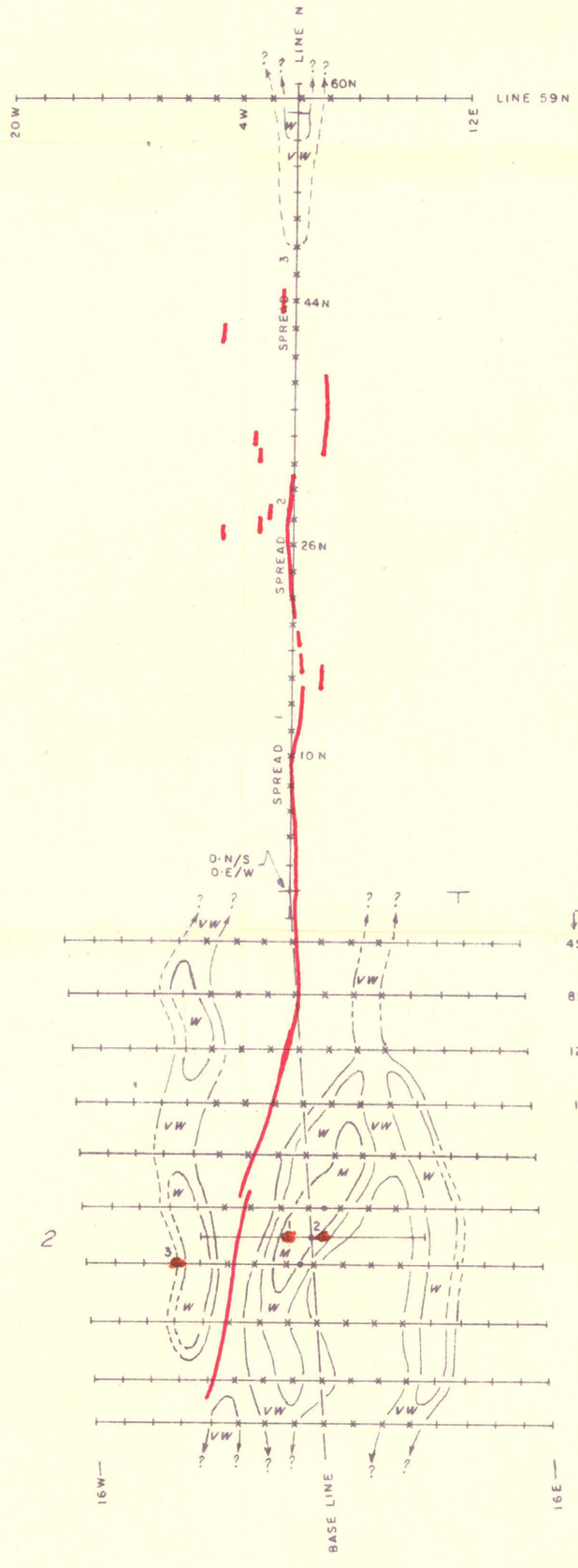
DATE August 1975 AREA Bell

LINE# 59N SP 1 a= 200' BEARING E-W

RESISTIVITY FREQUENCIES 3.0 FREQUENCIES 0.3 & 3.0 Hz



INDUCED POLARIZATION LOCATION
AND INTERPRETATION PLAN
of
THE BELL AREA
YAVAPAI COUNTY, ARIZONA
for
THE SUPERIOR OIL COMPANY
by
HEINRICHS GEOEXPLORATION COMPANY
P.O. BOX 5964, TUCSON, AZ. 85703
JOB NUMBER 1026 SEPTEMBER 1975



I.P. LINE
ELECTRODE
STATION

PROPOSED DRILL HOLE AND NUMBER (INCLINED -60°E)

CENTER (ELECTRODE #4) OF 100' DIPOLE DETAIL SPREADS

SILICIOUS-PYRITE ZONE

SCHEMATIC CONTOUR OF RELATIVE ANOMALY STRENGTH

VW VERY WEAK
W WEAK
M MODERATE
} RELATIVE ANOMALY STRENGTH

NOTE: THIS SHEET OVERLAYS BASE MAP FURNISHED BY THE SUPERIOR OIL COMPANY.

T 13 N
T 12 N

0 1000 2000
SCALE IN FEET

RIE