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527-70

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VULTURE MOUNTAINS QUADRANGLE
ARIZONA
15 MINUTE SERIES (TOPOGRAPHIC)

(CONGRESS 1:125 000)

(WAGONER)

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1951 and 1960. Field checked 1961

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

SCALE 1:62500

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1961

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

ARIZONA
QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1963—T
MR 6936

VULTURE MOUNTAINS, ARIZ.
N3345—W11245/15

1961

GENERAL GRANT Job 527

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

VULTURE MOUNTAINS QUADRANGLE
ARIZONA
15 MINUTE SERIES (TOPOGRAPHIC)

(CONGRESS 1:125 000) 240 000 FEET 1 090 000 FEET

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1951 and 1960. Field checked 1961

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

SCALE 1:62500

CONTOUR INTERVAL 40 FEET
DOTTED LINES REPRESENT 20-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U.S. Route — State Route

APPROXIMATE MEAN DECLINATION, 1961

ARIZONA
QUADRANGLE LOCATION

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D.C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1963—T
MR 6936

VULTURE MOUNTAINS, ARIZ.
N3345—W11245/15

1961

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

WICKENBURG QUADRANGLE
ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1962. Field checked 1965

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue

Fine red dashed lines indicate selected fence lines

SCALE 1:24000

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 10-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Unimproved dirt
U.S. Route — State Route

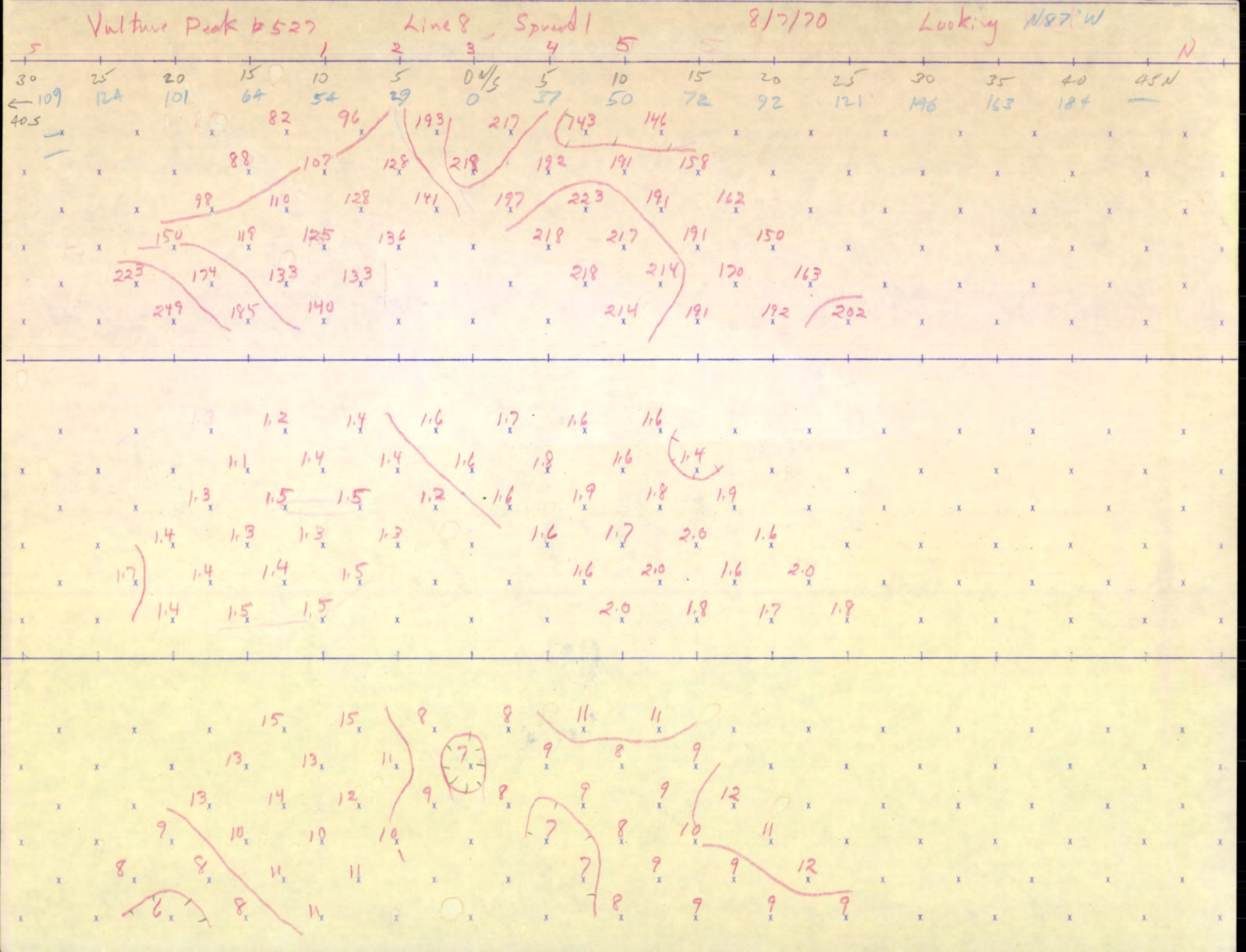
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

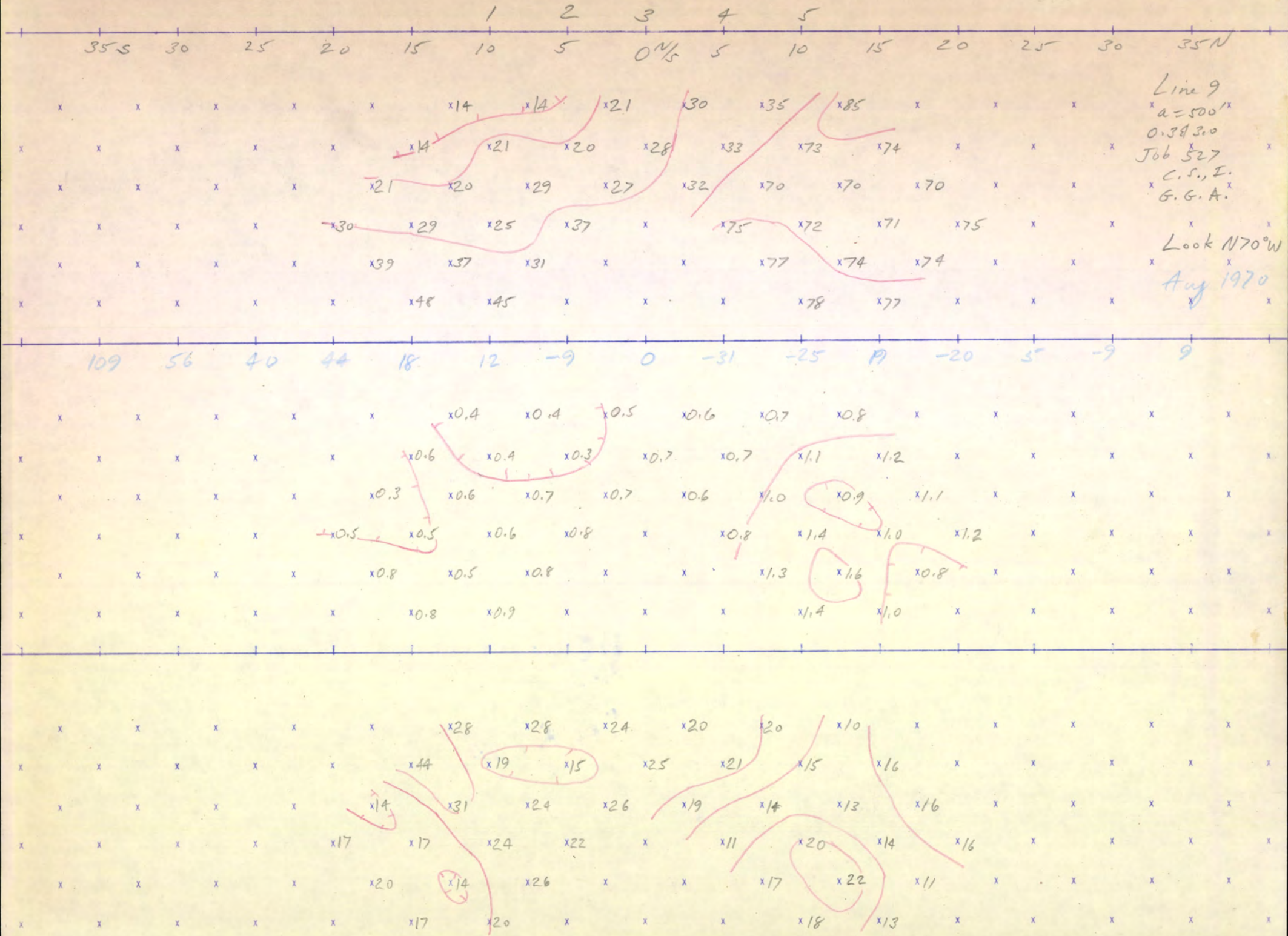
UTM GRID AND 1965 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

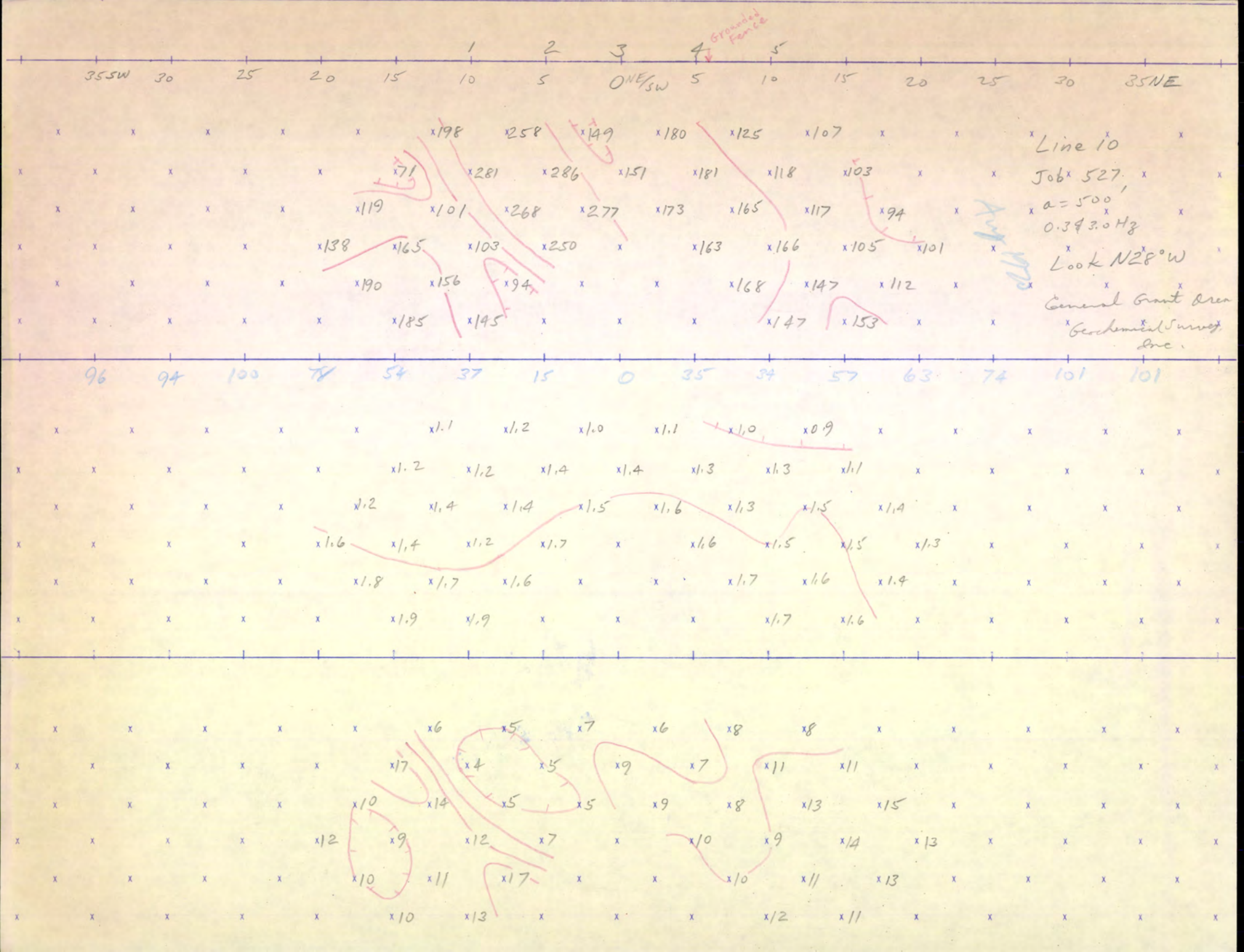
QUADRANGLE LOCATION

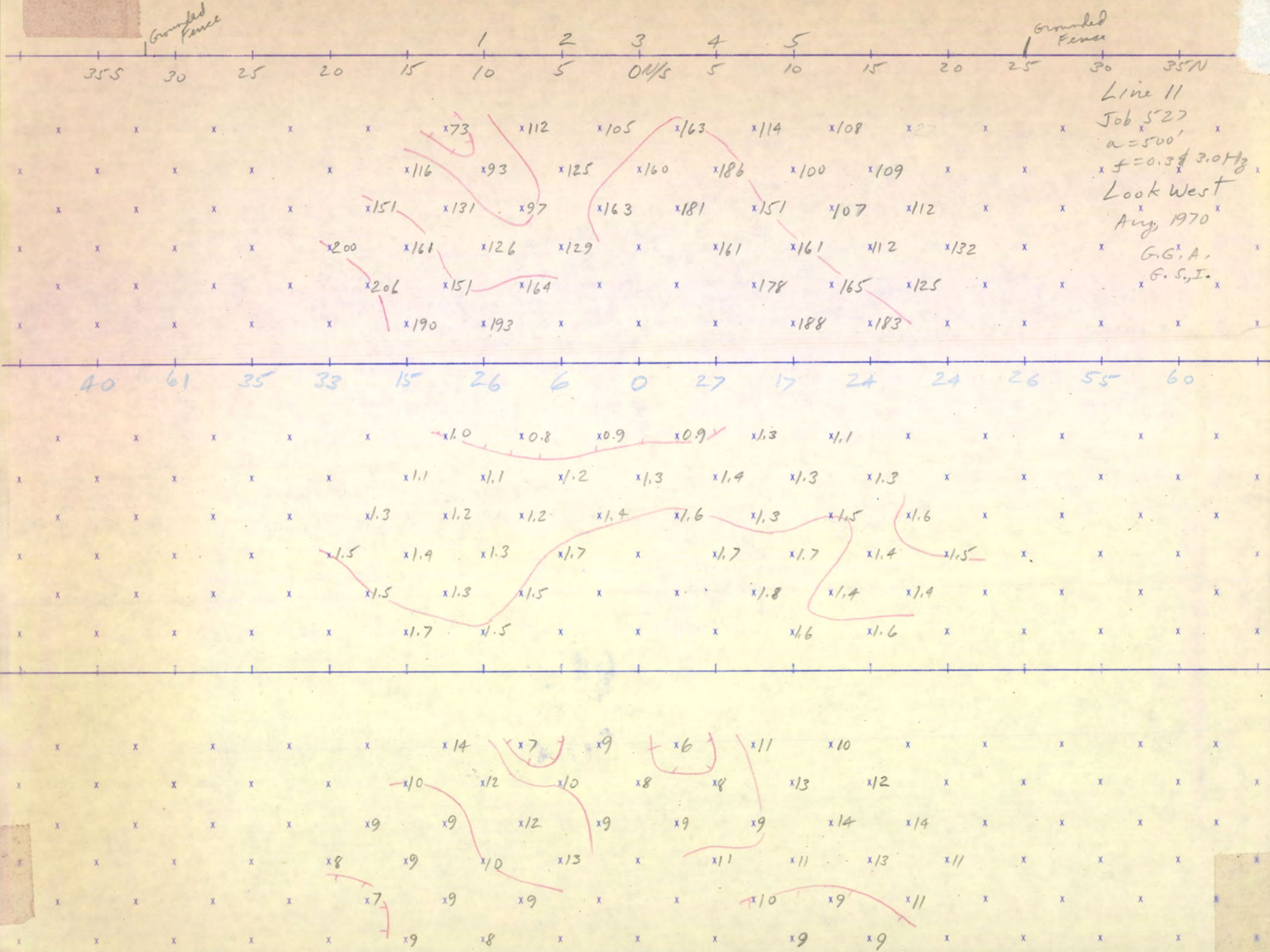
WICKENBURG SW, ARIZ.
N3345—W11237.5/7.5
1965

AMS 3451 I SW—SERIES V898


Vulture Peak #527
Line 8
Spread 1
8/7/70
Looking N87°W
5 1 2 3 4 5 N
30 25 20 15 10 5 0 N/S 5 10 15 20 25 30 35 40 45 N
← 109 405
12A 101 64 54 39 0 37 50 72 92 121 146 163 184
82 96 193 217 143 146
88 107 128 218 192 191 158
98 110 128 141 197 223 191 162
150 119 125 136 218 217 191 150
223 174 133 133 218 214 170 163
249 185 140 214 191 192 202
1.3 1.2 1.4 1.6 1.7 1.6 1.6
1.1 1.4 1.4 1.6 1.8 1.6 1.4
1.3 1.5 1.5 1.2 1.6 1.9 1.8 1.9
1.4 1.3 1.3 1.3 1.6 1.7 2.0 1.6
1.7 1.4 1.4 1.5 1.6 2.0 1.6 2.0
1.4 1.5 1.5 2.0 1.8 1.7 1.8
15 15 8 8 11 11
13 13 11 7 9 8 9
13 14 12 9 8 9 9 12
9 10 10 10 7 8 10 11
8 8 11 11 7 9 9 12
6 8 11 8 9 9 9


1 2 3 4 5
35S 30 25 20 15 10 5 0N/S 5 10 15 20 25 30 35N
Line 9
a=500'
0.3 3.0
Job 527
C.S., I.
G.G.A.
Look N70°W
Aug 1970
109 56 40 44 18 12 -9 0 -31 -25 -20 5 -9 9

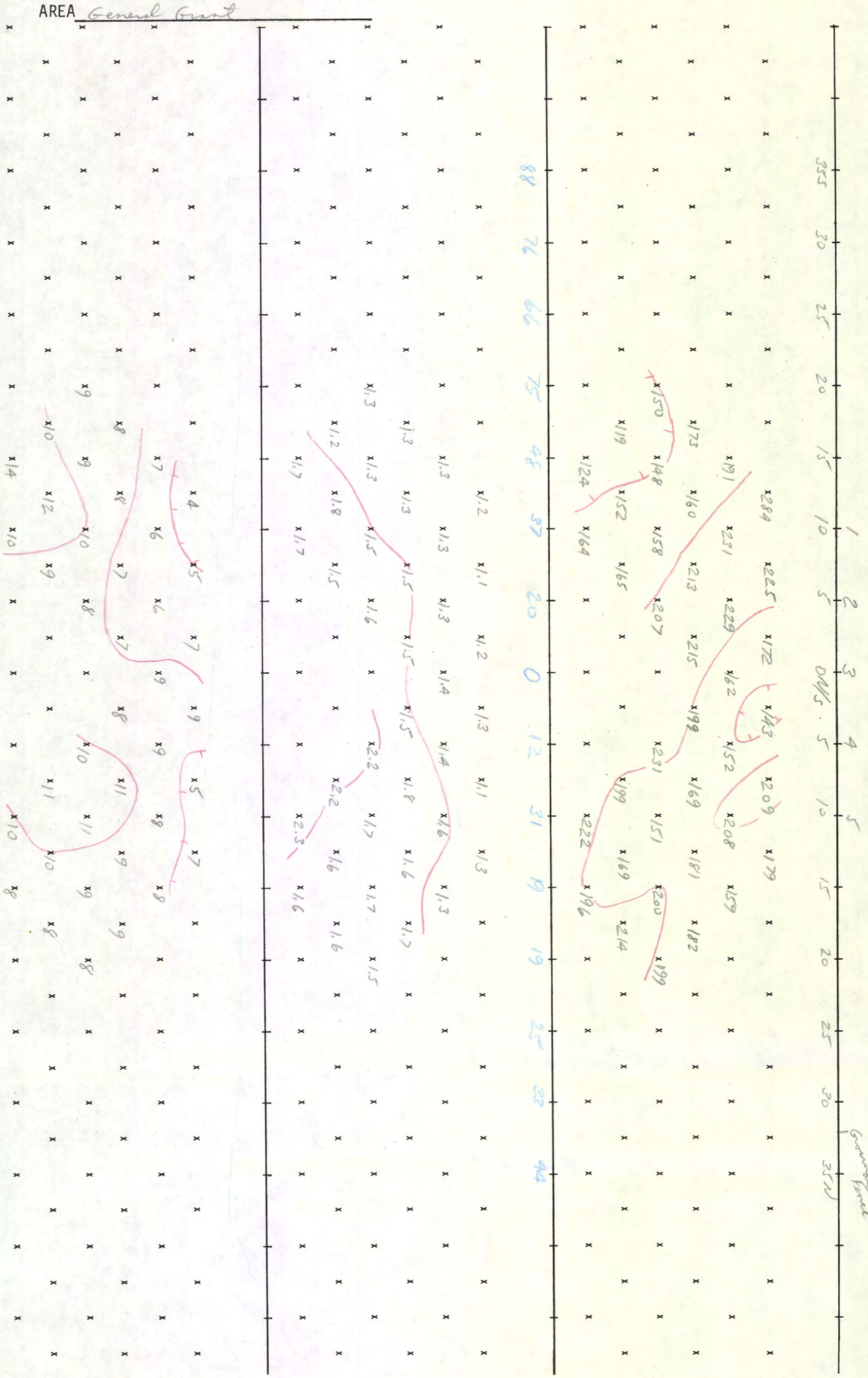

1
2
3
4
Grounded Fence
5
35SW
30
25
20
15
10
5
ONE/SW
5
10
15
20
25
30
35NE
Line 10
Job 527
a = 500'
0.3 & 3.0 Hz
Look N28°W
General Grant Area
Geochemical Survey, Inc.
96
94
100
78
54
37
15
0
35
34
57
63
74
101
101


Grounded Fence
1 2 3 4 5
35S 30 25 20 15 10 5 0N/S 5 10 15 20 25 30 35N
Grounded Fence
Line 11
Job 527
a = 500'
f = 0.3 & 3.0 Hz
Look West
Aug 1970
G.G.A.
G.S.I.
40 61 35 33 15 26 6 0 27 17 24 24 26 55 60

JOB# 527 LINE# 12 SP 1 a = 500' LOOKING N78°W

CLIENT Geochemical Surveys, Inc. DATE Aug, 1970 FREQUENCIES 0.3 & 3.0 Hz

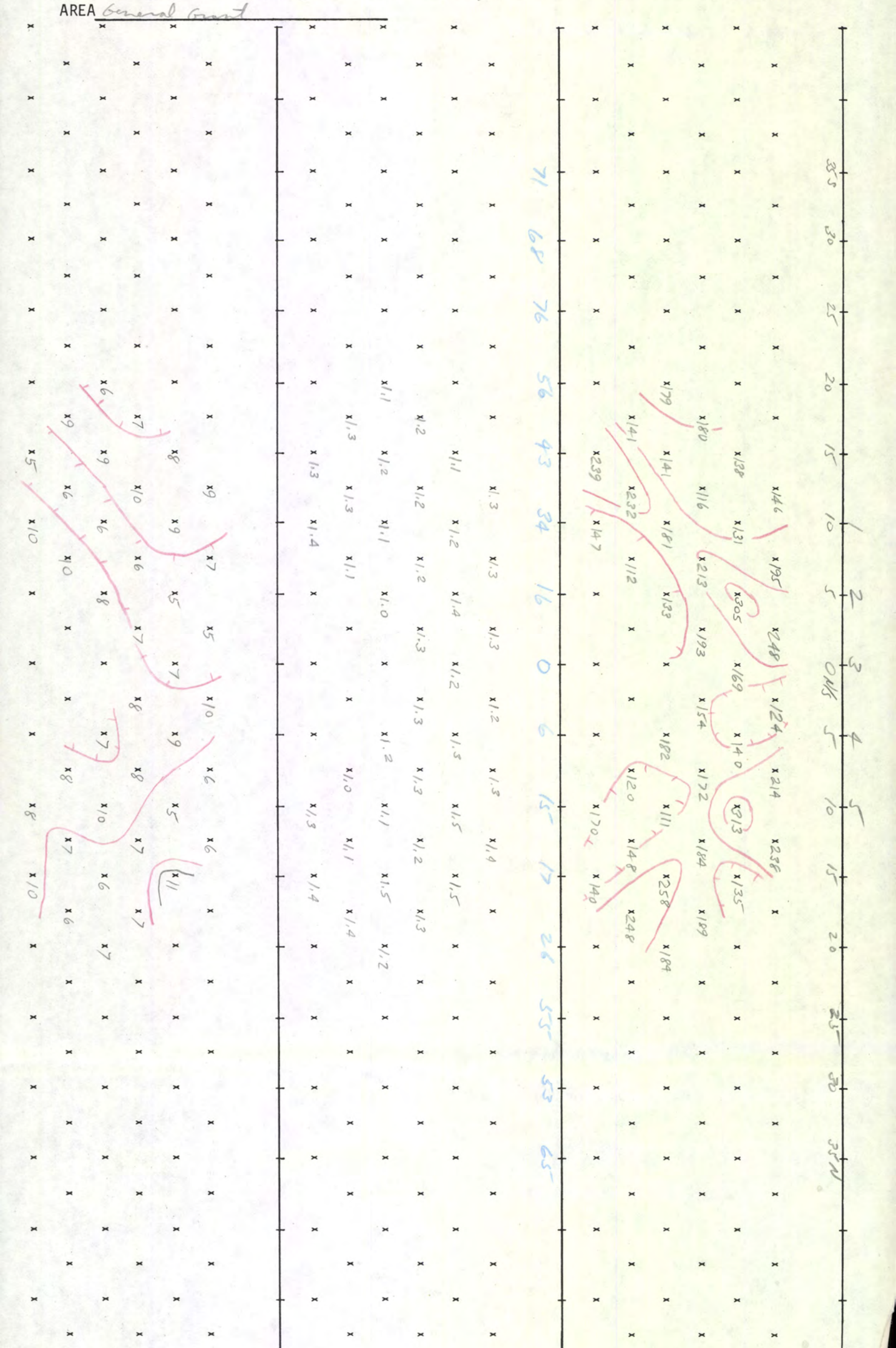
AREA General Grant



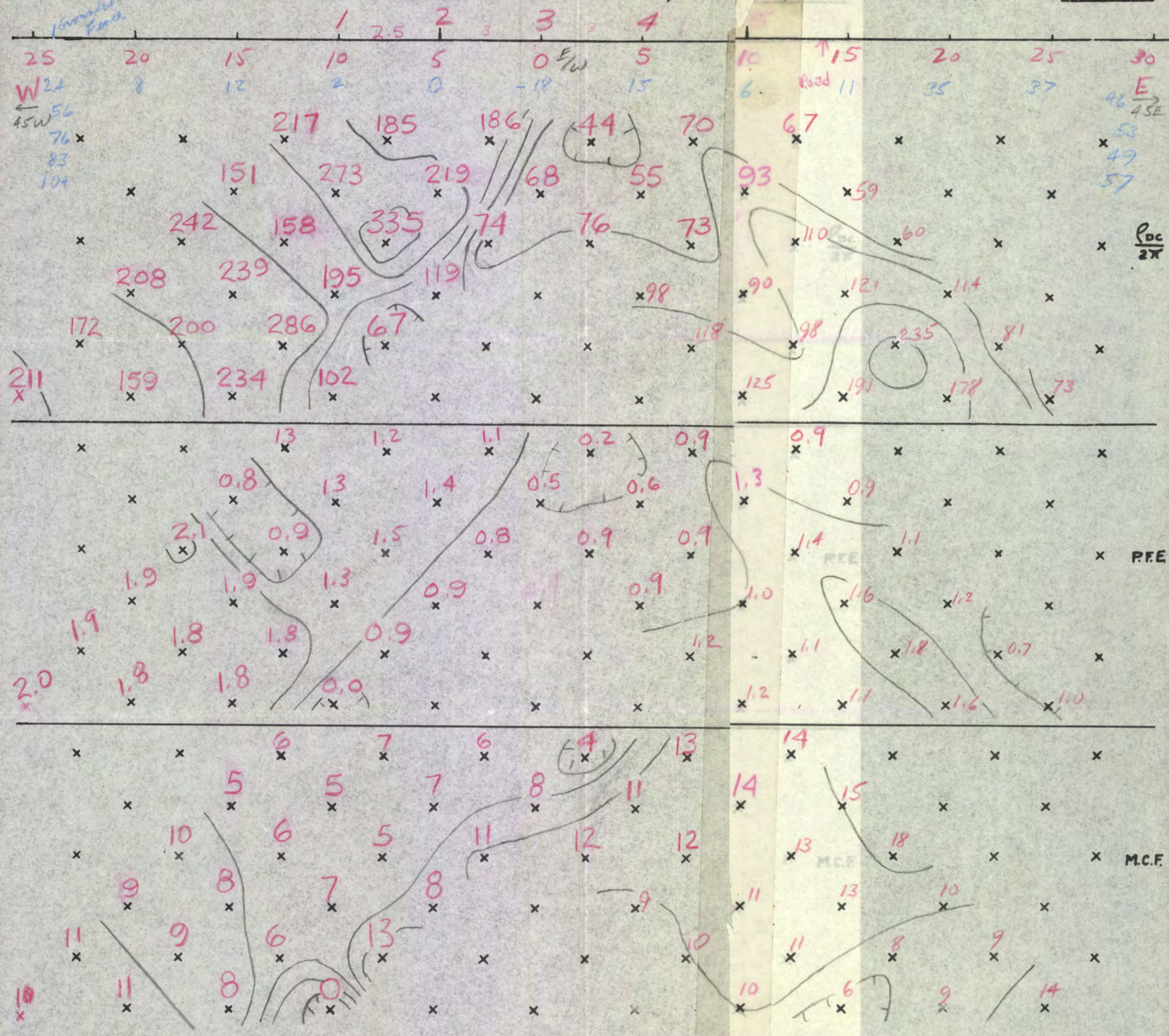
JOB# 527 LINE# 13 SP 1 a = 500' LOOKING West

CLIENT Geochemical Surveys, Inc. DATE Aug. 1970 FREQUENCIES 0.3 & 3.0 Hz

AREA General Grant



HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKI ION SECTIONAL DATA PLOT, LOOKING NORTH



AREA Vulture Peak LINE 7 a = 500' SCALE: 1" = 500' SCALE: DATE: 8-6-70

Job 527, Line 9, S8 1 5½, 8/12/70 500.

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

527

PROJECT GENERAL GRANT

LINE 9 HALF S SP. 1 DATE 8-12-7

PAGE 1

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5S	5-10S	→	10-15S	→	→	15-20S	→	→
RANGE	10	1.0	1.0	1.0	1.0	0.1	0.1	1.0	0.1	0.1
DC 1	0.0	0.6	0.5	0.7	0.4	0.3	0.7	0.4	0.4	0.7
DC 2										
DC 3 Cur	1.5	2.5	1.5	2.5	1.5	1.5	2.5	1.5	1.5	1.5
DC 4 #	—	1	2	3	4	5	6	7	8	9
DC 5 "	—	1	1	2	1	2	3	1	2	3
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	148	48.4	20.6	11.4	14.2	5.02	4.43	13.9	5.14	2.82
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	3.0	-8.9	+20.9		+5.5			+26.7		
AC NOISE	0.3									
POT RES.		1.5K	4K		3K			4K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

527

PROJECT General Grant
LINE 9 HALF S SP. / DATE 8-12-70

PAGE 2

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20	20-25	→	→	→	25-30	→	→	→	30-35
RANGE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
DC 1	0.8	0.6	0.6	0.6	0.8	0.3	0.5	0.5	0.9	0.5
DC 2										
DC 3 cur	2.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	1.5
DC 4 #	10	11	12	13	14	15	16	17	18	19
DC 5 "	4	2	3	4	5	3	4	5	6	4
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	3.8	3.36	1.93	1.24	1.44	2.11	1.44	1.04	1.32	1.45
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		-4.3				+16.0				+53.3
AC NOISE										
POT RES.		2K				3K				2K

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1 H R Jones

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2

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File Job 527

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I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 9 HALF S SP. 1 DATE 8-12-76

SEND	2-3	3-4								
RECEIVE	30-35	→								
RANGE	~~0.1~~	~~0.01~~								
DC 1	0.8	0.8								
DC 2										
DC 3 cur	1.5	1.5								
DC 4 #	20	21								
DC 5 #	5	6								
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	1.10	0.832								
AC 2	0.0	0.0								
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT GENERAL GRANT 527

LINE 9 HALF S SP. 1 DATE 8-12-2

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	→	→	15-20s	→	→
RANGE	150X10	250X10	150X10	250X10	150X10	150X10	250X10	150X10	150X10	150X10
VOLTAGE	340	220	340	220	420	340	220	340	420	330
CURRENT	1.5	2.5	1.5	2.5	1.5	1.5	2.5	1.5	1.5	1.5
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25	→	→	→	25-30	→	→	→	30-35
RANGE	250X10	150X10	150X10	150X10	250X10	150X10	150X10	150X10	250X10	150X10
VOLTAGE	210	330	420	330	210	330	420	320	200	330
CURRENT	2.5	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	1.5

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR STEVE CRUZE

RECEIVER NO. 20693-R

OPERATOR Bill FREEMAN

COMMENTS:

1-2	2-3	3-4	4-5
2-c	2-c	2-c	4-c
1.5	1.5	1.5	2.5

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant 527

LINE 9 HALF S SP. 1 DATE 8-12-70

SEND	2-3	3-4								
RECEIVE	30-35	→								
RANGE	150X10	150X10								
VOLTAGE	420	320								
CURRENT	1.5	1.5								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES _____ _____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

Job. 527, Line 9, S½ / N½, 8/12/70 500.

Note: use duplicate of S½ calibration data for this half

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 9 HALF N SP. 1 DATE 8-12-72

SEND	S.P.	S.P.	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	0-5N	5-10N	10-15N	→	→	15-20	→	→	→	20-25
RANGE			1.0	0.1	0.1	10	1.0	0.1	0.1	1.0
DC 1			0.7	0.7	0.6	0.8	1.1	1.0	0.8	1.2
DC 2										
DC 3 CUR			1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5
DC 4 #			22	23	24	25	26	27	28	29
DC 5 "			1	2	3	1	2	3	4	2
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1			34.0	8.11	3.14	138	17.7	6.86	3.67	30.0
AC 2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	-30.9	+5.9	+44.4			-38.9				+14.4
AC NOISE										
POT RES.	2K	3K	3K			2K				9K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant
LINE 9 HALF N SP. 1 DATE 8-12-2

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	20-25	→	→	25-30	→	→	→	30-35	→	→
RANGE	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1
DC 1	0.9	1.4	1.3	1.1	1.0	1.6	1.4	1.2	0.6	1.0
DC 2										
DC 3 cur	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DC 4 #	30	31	32	33	34	35	36	37	38	89
DC 5 ?	3	4	5	3	4	5	6	4	5	6
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	6.80	3.48	2.14	11.4	3.36	2.06	1.36	6.08	2.08	1.35
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0
AC AVG.										
S.P.				-3.4				+17.1		
AC NOISE										
POT RES.				4K				2K		

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant 527

LINE 9 HALF N SP. 1 DATE 8-12-76

PAGE 3

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	10-15N	→	→	15-20N	→	→	→	20-25N	→	→
RANGE	150X10	150X10	150X10	250X10	150X10	150X10	150X10	250X10	150X10	150X10
VOLTAGE	320	400	320	200	320	400	320	200	320	400
CURRENT	1.5	1.5	1.5	2.5	1.5	1.5	1.5	2.5	1.5	1.5
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3		
RECEIVE	20-25N	25-30N	→	→	→	30-35N	→	→		
RANGE	150X10	250X10	150X10	150X10	150X10	250X10	150X10	150X10		
VOLTAGE	320	200	320	400	320	200	310	400		
CURRENT	1.5	2.5	1.5	1.5	1.5	2.5	1.5	1.5		

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR STEVE CRUZE

RECEIVER NO. 2093-R

OPERATOR BILL FREEMAN

COMMENTS:

1-2	2-3	3-4	4-5
2-C	2-C	2-C	4-C
1.5	1.5	1.5	2.5

JOB 527, LINE 9, SP1 S1/2, 8/12/70
CAL GROUP NO. 1

500 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.500	0.00	148.000	0.00	3.00	.30	0.0000	1.0135

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	29.61	.60	20.3	.60	20.3	0.00	**	.60	2.50	1	1	48.400	0.00
2	1	20.98	.50	23.8	.40	19.3	.10	**	.50	1.50	2	1	20.600	0.00
3	2	27.92	.70	25.1	.47	16.7	.23	**	.70	2.50	3	2	11.400	0.00
4	1	14.45	.40	27.7	.24	16.5	.16	**	.40	1.50	4	1	14.200	0.00
5	2	20.41	.30	14.7	-.06	-3.0	.36	**	.30	1.50	5	2	5.020	0.00
6	3	27.13	.70	25.8	.13	5.0	.57	**	.70	2.50	6	3	4.430	0.00
7	1	14.14	.40	28.3	.23	16.5	.17	**	.40	1.50	7	1	13.900	0.00
8	2	20.92	.40	19.1	.05	2.4	.35	**	.40	1.50	8	2	5.140	0.00
9	3	28.78	.70	24.3	.18	6.2	.52	**	.70	1.50	9	3	2.820	0.00
10	4	36.53	.80	21.9	.09	2.6	.71	**	.80	2.50	10	4	2.980	0.00
11	2	13.70	.60	43.8	-.02	-1.6	.62	**	.60	1.50	11	2	3.360	0.00
12	3	19.68	.60	30.5	-.27	-13.7	.87	**	.60	1.50	12	3	1.930	0.00
13	4	25.29	.60	23.7	-.55	-21.9	1.15	**	.60	1.50	13	4	1.240	0.00
14	5	30.89	.80	25.9	-.65	-21.0	1.45	**	.80	2.50	14	5	1.440	0.00
15	3	21.45	.30	14.0	-.48	-22.2	.78	**	.30	1.50	15	3	2.110	0.00
16	4	29.34	.50	17.0	-.45	-15.3	.95	**	.50	1.50	16	4	1.440	0.00
17	5	37.08	.50	13.5	-.64	-17.3	1.14	**	.50	1.50	17	5	1.040	0.00
18	6	45.36	.90	19.8	-.42	-9.3	1.32	**	.90	2.50	18	6	1.320	0.00
19	4	29.54	.50	16.9	-.44	-14.9	.94	**	.50	1.50	19	4	1.450	0.00
20	5	39.33	.80	20.3	-.25	-6.5	1.05	**	.80	1.50	20	5	1.100	0.00
21	6	47.60	.80	16.8	-.44	-9.2	1.24	**	.80	1.50	21	6	.832	0.00

JOB 527, LINE 9, SP1 N1/2, 8/12/70
CAL GROUP NO. 1

500 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.500	0.00	148.000	0.00	3.00	.30	0.0000	1.0135

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
22	1	34.70	.70	20.2	.70	20.2	0.00	**	.70	1.50	22	1	34.000	0.00
23	2	33.11	.70	21.1	.52	15.6	.18	**	.70	1.50	23	2	8.110	0.00
24	3	32.02	.60	18.7	.15	4.6	.45	**	.60	1.50	24	3	3.140	0.00
25	1	84.59	.80	9.5	.80	9.5	0.00	**	.80	2.50	25	1	138.000	0.00
26	2	72.55	1.10	15.2	1.10	15.2	0.00	**	1.10	1.50	26	2	17.700	0.00
27	3	70.22	1.00	14.2	.85	12.1	.15	**	1.00	1.50	27	3	6.860	0.00
28	4	74.99	.80	10.7	.54	7.1	.26	**	.80	1.50	28	4	3.670	0.00
29	2	73.85	1.20	16.2	1.20	16.2	0.00	**	1.20	2.50	29	2	30.000	0.00
30	3	69.54	.90	12.9	.75	10.7	.15	**	.90	1.50	30	3	6.800	0.00
31	4	71.53	1.40	19.6	1.12	15.6	.28	**	1.40	1.50	31	4	3.480	0.00
32	5	76.90	1.30	16.9	.87	11.3	.43	**	1.30	1.50	32	5	2.140	0.00
33	~~7~~ 3	~~588.73~~ 70.0	1.10	1.9	1.10	1.9	0.00	**	1.10	2.50	33	7	11.400	0.00
34	4	70.84	1.00	14.1	.71	10.1	.29	**	1.00	1.50	34	4	3.460	0.00
35	1	~~2.12~~ 74.13	1.60	754.3	-.52	-244.1	2.12	**	1.60	1.50	35	1	2.060	0.00
36	6	78.27	1.40	17.9	.76	9.7	.64	**	1.40	1.50	36	6	1.360	0.00
37	4	74.83	1.20	16.0	.93	12.5	.27	**	1.20	2.50	37	4	6.080	0.00
38	5	74.23	.80	10.8	.35	4.7	.45	**	.60	1.50	38	5	2.080	-.40
39	6	77.39	1.00	12.9	.35	4.5	.65	**	1.00	1.50	39	6	1.350	0.00

Job 527, Line 10, Sp 1 W½, 8/12/70 500.

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT General Grant 521

LINE 10 HALF W SP. 1 DATE 8-12-76

PAGE 1

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5W	5-10W	→	10-15W	→	→	15-20W	→	→
RANGE	10	10	10	1.0	10	10	1.0	10	10	1.0
DC 1	0.0	1.1	1.0	1.4	1.2	1.4	1.5	1.1	1.2	1.4
DC 2										
DC 3 cur	2.5 →	→	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DC 4 #	—	1	2	3	4	5	6	7	8	9
DC 5 #	—	1	1	2	1	2	3	1	2	3
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	251	298	247	62.4	427	118	45.6	328	116	44.3
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	3.0	+14.8	+21.8		+16.9			+24.1		
AC NOISE	0.3									
POT RES.		2K	2K		1K			1K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 10 HALF W SP. 1 DATE 8-12-70

PAGE 2

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20W	20-25W	→	→	→	25-30W	→	→	→	30-35W
RANGE	1.0	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0.1	1.0
DC 1	1.7	1.2	1.4	1.2	1.6	1.2	1.4	1.7	1.9	1.6
DC 2										
DC 3 Cur	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DC 4 #	10	11	12	13	14	15	16	17	18	19
DC 5 n	4	2	3	4	5	3	4	5	6	4
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	20.6	29.4	16.7	8.49	4.44	19.7	13.6	7.35	4.25	11.4
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+21.9				-5.7				+1.7
AC NOISE										
POT RES.		4K				4K				6K

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT General Grant 527

LINE 10 HALF W SP. 1 DATE 8-12-70

SEND	2-3	3-4								
RECEIVE	30-35N	→								
RANGE	0.1	0.1								
DC 1	1.8	1.9								
DC 2										
DC 3 cur	2.5	2.5								
DC 4 #	20	21								
DC 5 "	5	6								
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	8.90	5.43								
AC 2	0.0	0.0								
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT GENERAL GRANT 527

LINE 10 HALF W SP. 1 DATE 8-12-76

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5W	5-10W	→	10-15W	→	→	15-20W	→	→
RANGE	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10
VOLTAGE	155	190	150	190	150	155	190	210	150	155
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20W	20-25W	→	→	→	25-30W	→	→	→	30-35W
RANGE	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10
VOLTAGE	195	210	150	155	195	210	150	155	195	210
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR AL WILDER

RECEIVER NO. 20693-R

OPERATOR BILL FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant

LINE 10 HALF W SP. 1 DATE 8-12-70

SEND	2-3	3-4								
RECEIVE	30-35W	→								
RANGE	250X10	250X10								
VOLTAGE	150	155								
CURRENT	2.5	2.5								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR AL WILDER

RECEIVER NO. 20693-R

OPERATOR Bill Freeman

COMMENTS:

Job 527, Line 10, Sec 1 E½ - 8/12/70 500.

Grounded Fence @ 6E

PAGE 1

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant
LINE 10 HALF E SP. 1 DATE 8-13-70

SEND	2 2-3	S.P.	S.P.	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	CAL	0-5E	10-15E	10-15E	→	→	15-20E	→	→	→
"RANGE	10			10	1.0	1.0	10	1.0	1.0	1.0
DC 1	0.0	.		1.0	1.3	1.6	0.9	1.3	1.3	1.6
DC 2										
DC 3 CUR	2.5	→	→	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DC 4 #	—	—	—	22	23	24	25	26	27	28
DC 5 n	—	—	—	1	2	3	1	2	3	4
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	250			206	74.5	28.4	177	48.4	27.2	13.4
AC 2	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	3.0	+34.5	−0.1	+22.9			+6.1			
AC NOISE	0.3									
POT RES.		2K	2K	2K			2K			

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 10 HALF E SP. 1 DATE 8-13-70

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	20-25E	→	→	→	25-30E	→	→	→	30-35E	→
RANGE	1.0	1.0	1.0	0.1	1.0	0.1	0.1	0.1	0.1	0.1
DC 1	1.1	1.5	1.5	1.7	1.4	1.5	1.6	1.7	1.3	1.4
DC 2										
DC 3 cur	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DC 4 #	29	30	31	32	33	34	35	36	37	38
DC 5 n	2	3	4	5	3	4	5	6	4	5
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	42.6	19.2	13.6	7.85	15.5	8.65	6.87	4.30	8.33	5.27
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+11.0				+26.9				-0.1	
AC NOISE										
POT RES.	10 K				10 K				5K	

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 10 HALF E SP. 1 DATE 8-13-70

SEND	3-2									
RECEIVE	30-35 6									
RANGE	~~0.1~~									
DC 1	1.6									
DC 2										
DC 3 Cur	2.5									
DC 4 #	39									
DC 5 ~	6									
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	4.48									
AC 2	0.0									
AC AVG.	~~0.0~~									
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant 527

LINE 10 HALF E SP. 1 DATE 8-13-2

SEND	2-3	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	CAL	10-15E	→	→	15-20	→	→	→	20-25	→
RANGE	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10
VOLTAGE	155	160	150	215	195	160	155	215	195	160
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
SEND	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	
RECEIVE	20-25E	→	25-30	→	→	→	30-35E	→	→	
RANGE	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	
VOLTAGE	155	215	195	160	155	215	195	160	155	
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR AL WILDER

RECEIVER NO. 20693-E

OPERATOR BILL FREEMAN

COMMENTS:

JOB 527, LINE 10, SP1 W1/2, 8/12/70
CAL GROUP NO. 1

500 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.500	0.00	251.000	0.00	3.00	.30	0.0000	.9960

	COMPUTED DATA							FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE	PFE	CUR	PT.	N	AC1	AC2
1	1	180.05	1.10	6.1	1.10	6.1	0.00 **	1.10	2.50	1	1	298.000	0.00
2	1	149.09	1.00	6.7	1.00	6.7	0.00 **	1.00	2.50	2	1	247.000	0.00
3	2	151.25	1.40	9.3	1.40	9.3	0.00 **	1.40	2.50	3	2	62.400	0.00
4	1	258.24	1.20	4.6	1.20	4.6	0.00 **	1.20	2.50	4	1	427.000	0.00
5	2	286.02	1.40	4.9	1.40	4.9	0.00 **	1.40	2.50	5	2	118.000	0.00
6	3	276.60	1.50	5.4	1.50	5.4	0.00 **	1.50	2.50	6	3	45.600	0.00
7	1	198.17	1.10	5.6	1.10	5.6	0.00 **	1.10	2.50	7	1	328.000	0.00
8	2	280.62	1.20	4.3	1.20	4.3	0.00 **	1.20	2.50	8	2	116.000	0.00
9	3	268.45	1.40	5.2	1.40	5.2	0.00 **	1.40	2.50	9	3	44.300	0.00
10	4	250.40	1.70	6.8	1.70	6.8	0.00 **	1.70	2.50	10	4	20.600	0.00
11	2	71.12	1.20	16.9	1.20	16.9	0.00 **	1.20	2.50	11	2	29.400	0.00
12	3	101.20	1.40	13.8	1.31	12.9	.09 **	1.40	2.50	12	3	16.700	0.00
13	4	102.69	1.20	11.7	1.03	10.0	.17 **	1.20	2.50	13	4	8.490	0.00
14	5	94.35	1.60	17.0	1.28	13.5	.32 **	1.60	2.50	14	5	4.440	0.00
15	3	119.14	1.20	10.1	1.20	10.1	0.00 **	1.20	2.50	15	3	19.700	0.00
16	4	164.83	1.40	8.5	1.31	8.0	.09 **	1.40	2.50	16	4	13.600	0.00
17	5	156.35	1.70	10.9	1.54	9.9	.16 **	1.70	2.50	17	5	7.350	0.00
18	6	144.93	1.90	13.1	1.63	11.2	.27 **	1.90	2.50	18	6	4.250	0.00
19	4	138.44	1.60	11.6	1.49	10.7	.11 **	1.60	2.50	19	4	11.400	0.00
20	5	189.51	1.80	9.5	1.68	8.9	.12 **	1.80	2.50	20	5	8.900	0.00
21	6	185.17	1.90	10.3	1.70	9.2	.20 **	1.90	2.50	21	6	5.430	0.00

JOB 527, LINE 10, SP1 E1/2, 8/12/70
CAL GROUP NO. 2

500 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.500	0.00	250.000	0.00	3.00	.30	0.0000	1.0000

	COMPUTED DATA							FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE	PFE	CUR	PT.	N	AC1	AC2
22	1	124.84	1.00	8.0	1.00	8.0	0.00 **	1.00	2.50	22	1	206.000	0.00
23	2	181.12	1.30	7.2	1.30	7.2	0.00 **	1.30	2.50	23	2	74.500	0.00
24	3	173.13	1.60	9.2	1.60	9.2	0.00 **	1.60	2.50	24	3	28.400	0.00
25	1	107.16	.90	8.4	.90	8.4	0.00 **	.90	2.50	25	1	177.000	0.00
26	2	117.67	1.30	11.0	1.30	11.0	0.00 **	1.30	2.50	26	2	48.400	0.00
27	3	165.32	1.30	7.9	1.30	7.9	0.00 **	1.30	2.50	27	3	27.200	0.00
28	4	163.37	1.60	9.8	1.51	9.3	.09 **	1.60	2.50	28	4	13.400	0.00
29	2	103.36	1.10	10.6	1.10	10.6	0.00 **	1.10	2.50	29	2	42.600	0.00
30	3	116.93	1.50	12.8	1.50	12.8	0.00 **	1.50	2.50	30	3	19.200	0.00
31	4	165.65	1.50	9.1	1.41	8.5	.09 **	1.50	2.50	31	4	13.600	0.00
32	5	167.65	1.70	10.1	1.56	9.3	.14 **	1.70	2.50	32	5	7.850	0.00
33	7	792.14	1.40	1.8	1.40	1.8	0.00 **	1.40	2.50	33	7	15.500	0.00
34	4	105.36	1.50	14.2	1.34	12.7	.16 **	1.50	2.50	34	4	8.650	0.00
35	5	146.58	1.60	10.9	1.43	9.7	.17 **	1.60	2.50	35	5	6.870	0.00
36	6	146.94	1.70	11.6	1.43	9.7	.27 **	1.70	2.50	36	6	4.300	0.00
37	2	20.25	1.30	64.2	.93	46.1	.37 **	1.30	2.50	37	2	8.330	0.00
38	5	112.22	1.40	12.5	1.15	10.2	.25 **	1.40	2.50	38	5	5.270	0.00
39	6	152.94	1.60	10.5	1.34	8.8	.26 **	1.60	2.50	39	6	4.480	0.00

BUSINESS FORMS PRINTING COMPANY
ENGINEERED FOR HIGH SPEED PRINTERS

Job. 527, Line 11, Sq 1 S½, 8/13/70

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 11 HALF S SP. 1 DATE 8-13-70

SEND	3-4 (D)	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5S	5-10S	→	10-15N	→	→	15-20N	→	→
RANGE	~~10~~	~~10~~	~~10~~	~~1.0~~	~~10~~	~~1.0~~	~~1.0~~	~~10~~	~~1.0~~	~~1.0~~
DC 1	0.0	0.9	0.9	1.3	0.8	1.2	1.4	1.0	1.1	1.2
DC 2										
DC 3 cur	2.5	→	→	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DC 4 #	—	1	2	3	4	5	6	7	8	7
DC 5 #	—	1	1	2	1	2	3	1	2	3
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	250	272	174	66.0	185	51.3	26.8	121	38.2	16.0
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	3.0	+5.5	+20.9		-11.0			+17.7		
AC NOISE	0.3									
POT RES.		2K	2K		1K			1K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 11 HALF S SP. 1 DATE 8-13-76

SEND	4-5	1-2	2-3	3-4	4+5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20S	20-25S	—	—	→	25-30S	—	—	—	30-35S
RANGE	1.0	1.0	1.0	1.0	0.1	1.0	1.0	0.1	0.1	1.0
DC 1	1.7	1.1	1.2	1.3	1.5	1.3	1.4	1.3	1.5	1.5
DC 2										
DC 3 Cur	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DC 4 #	10	11	12	13	14	15	16	17	18	19
DC 5 η	4	2	3	4	5	3	4	5	6	4
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	10.6	47.8	21.5	10.4	7.76	24.9	13.2	7.10	5.66	16.4
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+1.5				126.5				-21.0
AC NOISE										
POT RES.		1K				2K				2K

HEINRICHS GEOEXPLORATION CO.

Grounded Fence @ 32 S

I.P. RECEIVER NOTES

PROJECT Gen. Grant 527

LINE 11 HALF S SP. 1 DATE 8-11-76

SEND	2-3	3-4								
RECEIVE	30-35S	→								
RANGE	0.1	0.1								
DC 1	1.5	1.7								
DC 2										
DC 3 Cur	2.5	2.5								
DC 4 #	20	21								
DC 5 "	5	6								
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	9.67	5.56								
AC 2	0.0	0.0								
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant 527

LINE 11 HALF S SP. 1 DATE 8-13-76

PAGE 1

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	→	→	15-20s	→	→
RANGE	250x10	250x10	250x10	250x10	250x10	250x10	250x10	250x10	250x10	250x10
VOLTAGE	200	190	200	190	190	200	190	190	185	195
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25s	→	→	→	25-30s	→	→	→	30-35s
RANGE	250x10	250x10	250x10	250x10	250x10	250x10	250x10	250x10	250x10	250x10
VOLTAGE	190	185	185	195	185	190	185	195	185	185
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR E.M. Buckler

RECEIVER NO. 20693-R

OPERATOR Bill FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant 527

LINE 11 HALF 5 SP. 1 DATE 8-13-2

SEND	2-3	3-4								
RECEIVE	30-35	→								
RANGE	250	250x10								
VOLTAGE	125	125								
CURRENT	2.5	2.5								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 — 03

SENDER NO. 9662-S

OPERATOR F. M. Buckley

RECEIVER NO.

OPERATOR

COMMENTS:

Job 527, Line 11, Sp 1 N½, 8/13/70 500.

Note: use 1st half calibration

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 11 HALF N SP. 1 DATE 8-13-70

SEND	S-P	S.P.	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	0-5N	5-10N	10-15N	→	→	15-20N	→	→	→	20-25N
RANGE			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1			1.3	1.4	1.4	1.1	1.3	1.3	1.7	1.3
DC 2										
DC 3 Cur			2.5	→	2.5	2.5	2.5	2.5	2.5	2.5
DC 4 #			22	23	24	25	26	27	28	29
DC 5 #			1	2	3	1	2	3	4	2
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1			187	76.3	29.8	178	41.2	24.9	13.2	44.9
AC 2			0.0	0.0	-0.4	0.0	0.0	0.0	0.0	
AC AVG.										
S.P.	+27.3	-10.6	+7.3			+0.0				+2.4
AC NOISE										
POT RES.	3K	2K	3K			2K				3K

HEINRICHS GEOEXPLORATION CO.

OVER!

PAGE 5

I.P. RECEIVER NOTES

PROJECT General Grant 527

LINE 11 HALF ____ SP. ____ DATE ____

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	20-25N	→	→	25-30N	→	→	→	30-35N	→	→
RANGE	1.0	1.0	0.1	1.0	0.1	0.1	0.1	1.0	0.1	0.1
DC 1	1.5	1.7	1.8	1.6	1.4	1.4	1.6	1.5	1.4	1.6
DC 2										
DC 3 Cur	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
DC 4 #	30	31	32	33	34	35	36	37	38	39
DC 5 n	3	4	5	3	4	5	6	4	5	6
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	17.6	13.2	8.32	18.4	9.19	7.77	5.50	10.8	5.88	5.35
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.				+28.6				+5.0		
AC NOISE										
POT RES.				3K				3K		

STATION 25 IS IN A CLOSED LOOP OF WIRE - Grounded! Loop IS SQUARE ABOUT 100' ON A SIDE. THE POT Hole IS 4' FROM THE FENCE

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant 527

LINE 11 HALF N SP. 1 DATE 8-13-70

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	10-15N	→	→	15-20N	→	→	→	20-25N	→	→
RANGE	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10
VOLTAGE	190	180	185	180	190	180	185	180	190	180
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3		
RECEIVE	25-20	25-30	→	→	→	30-35	→	→		
RANGE	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10		
VOLTAGE	185	180	190	180	185	180	190	180		
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR AL WILDER

RECEIVER NO. 20693-R

OPERATOR BILL FREEMAN

COMMENTS:

JOB 527, LINE 11, SP1 N1/2, 8/13/70 — 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.500	0.00	250.000	0.00	3.00	.30	0.0000	1.0000

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
22	1	113.66	1.30	11.4	1.30	11.4	0.00	**	1.30	2.50	22	1	187.000	0.00
23	2	185.68	1.40	7.5	1.40	7.5	0.00	**	1.40	2.50	23	2	76.300	0.00
24	3	181.30	1.60	8.8	1.60	8.8	0.00	**	1.40	2.50	24	3	29.800	-.40
25	1	107.97	1.10	10.2	1.10	10.2	0.00	**	1.10	2.50	25	1	178.000	0.00
26	2	100.17	1.30	13.0	1.30	13.0	0.00	**	1.30	2.50	26	2	41.200	0.00
27	3	151.34	1.30	8.6	1.30	8.6	0.00	**	1.30	2.50	27	3	24.900	0.00
28	4	161.09	1.70	10.6	1.61	10.0	.09	**	1.70	2.50	28	4	13.200	0.00
29	1	27.29 (102.2)	1.30	47.6	1.23	45.2	.07	**	1.30	2.50	29	1	44.900	0.00
30	3	107.18	1.50	14.0	1.42	13.2	.08	**	1.50	2.50	30	3	17.600	0.00
31	4	161.09	1.70	10.6	1.61	10.0	.09	**	1.70	2.50	31	4	13.200	0.00
32	5	177.86	1.80	10.1	1.67	9.4	.13	**	1.80	2.50	32	5	8.320	0.00
33	3	112.17	1.60	14.3	1.52	13.6	.08	**	1.60	2.50	33	3	18.400	0.00
34	4	111.82	1.40	12.5	1.25	11.2	.15	**	1.40	2.50	34	4	9.190	0.00
35	5	165.45	1.40	8.5	1.25	7.6	.15	**	1.40	2.50	35	5	7.770	0.00
36	6	187.76	1.60	8.5	1.41	7.5	.19	**	1.60	2.50	36	6	5.500	0.00
37	4	131.54	1.50	11.4	1.38	10.5	.12	**	1.50	2.50	37	4	10.800	0.00
38	5	125.21	1.40	11.2	1.18	9.4	.22	**	1.40	2.50	38	5	5.880	0.00
39	6	182.64	1.60	8.8	1.40	7.7	.20	**	1.60	2.50	39	6	5.350	0.00

JOB 527, LINE 11, SP1 S1/2, 8/13/70 — 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.500	0.00	250.000	0.00	3.00	.30	0.0000	1.0000

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	164.67	.90	5.5	.90	5.5	0.00	**	.90	2.50	1	1	272.000	0.00
2	1	105.34	.90	8.5	.90	8.5	0.00	**	.90	2.50	2	1	174.000	0.00
3	2	160.46	1.30	8.1	1.30	8.1	0.00	**	1.30	2.50	3	2	66.000	0.00
4	1	111.89	.80	7.2	.80	7.2	0.00	**	.80	2.50	4	1	185.000	0.00
5	2	124.60	1.20	9.6	1.20	9.6	0.00	**	1.20	2.50	5	2	51.300	0.00
6	3	163.05	1.40	8.6	1.40	8.6	0.00	**	1.40	2.50	6	3	26.800	0.00
7	1	73.33	1.00	13.6	1.00	13.6	0.00	**	1.00	2.50	7	1	121.000	0.00
8	2	92.69	1.10	11.9	1.10	11.9	0.00	**	1.10	2.50	8	2	38.200	0.00
9	3	97.15	1.20	12.4	1.10	11.4	.10	**	1.20	2.50	9	3	16.000	0.00
10	4	129.36	1.70	13.1	1.58	12.2	.12	**	1.70	2.50	10	4	10.600	0.00
11	2	115.98	1.10	9.5	1.10	9.5	0.00	**	1.10	2.50	11	2	47.800	0.00
12	3	130.55	1.20	9.2	1.20	9.2	0.00	**	1.20	2.50	12	3	21.500	0.00
~~1~~	~~1~~	~~1.52~~	~~.50~~	~~330.0~~	~~-2.74~~	~~-1805.9~~	~~3.24~~	~~**~~	~~1.00~~	~~1.00~~	~~1~~	~~1~~	~~1.000~~	~~1.00~~
13	4	126.42	1.30	10.3	1.17	9.3	.13	**	1.30	2.50	13	4	10.400	0.00
14	5	164.13	1.50	9.1	1.35	8.2	.15	**	1.50	2.50	14	5	7.700	0.00
15	3	151.34	1.30	8.6	1.30	8.6	0.00	**	1.30	2.50	15	3	24.900	0.00
16	4	160.62	1.40	8.7	1.31	8.2	.09	**	1.40	2.50	16	4	13.200	0.00
17	5	151.04	1.30	8.6	1.13	7.5	.17	**	1.30	2.50	17	5	7.100	0.00
28	6	193.03	1.50	7.8	1.32	6.8	.18	**	1.50	2.50	28	6	5.660	0.00
19	4	199.75	1.50	7.5	1.50	7.5	0.00	**	1.50	2.50	19	4	16.400	0.00
20	5	206.12	1.50	7.3	1.39	6.8	.11	**	1.50	2.50	20	5	9.670	0.00
21	6	189.99	1.70	8.9	1.51	8.0	.19	**	1.70	2.50	21	6	5.560	0.00

ENGINEERED FOR HIGH SPEED PRINTERS
BUSINESS FORMS PRINTING COMPANY

Job 527, Line 12, Sp 1 S½, 8/13/70 500.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 12 HALF S SP. 1 DATE 8-13-70

PAGE 1

SEND	3-4 (1)	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	→	→	15-20s	→	→
RANGE	10	10	10	1.0	10	1.0	1.0	10	1.0	1.0
DC 1	0.0	1.3	1.2	1.4	1.1	1.3	1.5	1.2	1.3	1.5
DC 2										
DC 3 (Cyc	2.5	2.0	2.0	→	→	2.0	2.0	2.0	2.0	2.0
DC 4 #	—	1	2	3	4	5	6	7	8	9
DC 5 "	—	1	1	2	1	2	1	1	2	3
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	250	188	227	53.4	297	75.5	28.2	374	75.9	28.0
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
AC AVG.										
S.P.	3.0	+19.5	+17.6		+10.7			+27.5		
AC NOISE	0.3									
POT RES.		40 K	3 K		3 K			3 K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 12 HALF S SP. / DATE 8-13-70

PAGE 2

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25s	———	———	———	25-30s	———	———	———	25-30s
RANGE	1.0	1.0	1.0	1.0	0.1	1.0	0.1	0.1	0.1	0.1
DC 1	1.6	1.3	1.3	1.5	1.5	1.3	1.3	1.9	1.7	1.3
DC 2										
DC 3										
DC 4 Col	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
DC 5 #	10	11	12	13	14	15	16	17	18	19
DC 6 #	4	2	3	4	5	3	4	5	6	4
DC 7										
DC 8										
DC AVG.										
AC 1	13.6	62.9	21.0	10.4	6.20	22.8	9.71	5.69	3.84	9.84
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0
AC AVG.										
S.P.		-9.4				+10.0				+12.4
AC NOISE										
POT RES.		2K				3K				2K

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT General Grant 527

LINE 12 HALF S SP. / DATE 8-13-74

SEND	2-3	3-4									
RECEIVE	30-35	→									
RANGE	0.1	0.1									
DC 1	1.2	1.7									
DC 2											
DC 3											
DC 4	2.0	2.0									
DC 5	20	21									
DC 6	5	6									
DC 7											
DC 8											
DC AVG.											
AC 1	4.48	2.90									
AC 2	0.0	0.0									
AC AVG.											
S.P.											
AC NOISE											
POT RES.											

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant 527

LINE 12 HALF S SP. 1 DATE 8-13-74

PAGE 1

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	→	→	15-20s	→	→
RANGE	250x10	200x10	200x10	200x10	200x10	200x10	200x10	200x10	200x10	200x10
VOLTAGE	160	105	115	105	190	125	105	200	190	125
CURRENT	2.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25s	→	→	→	25-30s	→	→	→	30-35s
RANGE	200x10	200x10	200x10	200x10	200x10	200x10	200x10	200x10	200x10	200x10
VOLTAGE	105	200	190	125	105	200	190	125	105	200
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR AL WILDER

RECEIVER NO. 20693-R

OPERATOR Bill FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT_____

LINE____ HALF____ SP.____ DATE____

SEND	2-3	3-4								
RECEIVE	30-35	→								
RANGE	200X10	200X10								
VOLTAGE	190	125								
CURRENT	2.0	2.0								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES____ ____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

Job 527, Line 12, Sol N½, 8/13/70 500.

Note: use 5½ calibration

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 12 HALF N SP. 1 DATE 8-13-70

PAGE 4

SEND	S.P.	S.P.	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	0-5N	5-10N	10-15N	→	→	15-20N	→	→	→	20-25N
RANGE	~~.1~~		10	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1			1.1	1.4	1.5	1.3	1.6	1.8	2.2	1.3
DC 2										
DC 3 Cur			2.0	→	→	2.0	2.1	2.1	2.1	2.1
DC 4 #			22	23	24	25	26	27	28	29
DC 5 "			1	2	3	1	2	3	4	2
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1			27.5	50.0	26.1	23.6	68.4	22.1	15.1	52.2
AC 2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+12.4	+18.4	-12.3			-0.10				+6.5
AC NOISE										
POT RES.	2K	1K	1K			3K				2K

HEINRICHS GEOEXPLORATION CO.

GROUNDED FENCE @ 32N

I.P. RECEIVER NOTES

PROJECT GENERAL GRANT 527

LINE 12 HALF N SP. 1 DATE 8-13-70

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	20-25N	→	→	25-30N	→	→	→	30-35N	→	→
RANGE	1.0	0.1	0.1	1.0	1.0	0.1	0.1	1.0	0.1	0.1
DC 1	1.6	1.7	2.2	1.7	1.7	1.6	2.3	1.5	1.3	1.6
DC 2										
DC 3 CUR	2.0	→	2.	2.	2.	2.	2.	2.	2.	2.
DC 4 #	30	31	32	33	34	35	36	37	38	39
DC 5 #	3	4	5	3	4	5	6	4	5	6
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	23.7	9.84	7.42	23.8	13.1	6.33	5.16	13.1	8.04	4.60
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0
AC AVG.										
S.P.				+8.2				+10.9		
AC NOISE										
POT RES.				3K				1K		

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant

LINE 12 HALF N SP. 1 DATE 6/13/24

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	10-15N	→	→	15-20N	→	→	→	20-25N	→	→
RANGE	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10
VOLTAGE	120	190	195	105	120	190	195	105	120	190
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3		3-4
RECEIVE	20-25N	25-30N	→	→	→	30-35N	→	→		
RANGE	200X10	200X10	200X10	200X10	200X10	200X10	200X10	200X10		
VOLTAGE	195	105	120	190	195	105	120	190		
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		

FREQUENCIES 3.0 0.3

SENDER NO. 9662-5

OPERATOR F.M. Buckley

RECEIVER NO. 20693-R

OPERATOR B. Freeman

COMMENTS:

JOB 527, LINE 12, SP1 S1/2, 8/13/70
CAL GROUP NO. 1

500 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.500	0.00	250.000	0.00	3.00	.30	0.0000	1.0000

	COMPUTED DATA							FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE	PFE	CUR	PT.	N	AC1	AC2
1	1	142.83	1.30	9.1	1.30	9.1	0.00 **	1.30	2.00	1	1	188.000	0.00
2	1	172.29	1.20	7.0	1.20	7.0	0.00 **	1.20	2.00	2	1	227.000	0.00
3	2	162.44	1.40	8.6	1.40	8.6	0.00 **	1.40	2.00	3	2	53.400	0.00
4	1	225.20	1.10	4.9	1.10	4.9	0.00 **	1.10	2.00	4	1	297.000	0.00
5	2	229.44	1.30	5.7	1.30	5.7	0.00 **	1.30	2.00	5	2	75.500	0.00
6	3	214.67	1.50	7.0	1.50	7.0	0.00 **	1.50	2.00	6	3	28.200	0.00
7	1	283.87	1.20	4.2	1.20	4.2	0.00 **	1.20	2.00	7	1	374.000	0.00
8	2	230.66	1.30	5.6	1.30	5.6	0.00 **	1.30	2.00	8	2	75.900	0.00
9	3	213.15	1.50	7.0	1.50	7.0	0.00 **	1.50	2.00	9	3	28.000	0.00
10	4	207.26	1.60	7.7	1.60	7.7	0.00 **	1.60	2.00	10	4	13.600	0.00
11	2	191.15	1.30	6.8	1.30	6.8	0.00 **	1.30	2.00	11	2	62.900	0.00
12	3	159.55	1.30	8.1	1.30	8.1	0.00 **	1.30	2.00	12	3	21.000	0.00
13	4	158.34	1.50	9.5	1.41	8.9	.09 **	1.50	2.00	13	4	10.400	0.00
14	5	165.19	1.50	9.1	1.35	8.2	.15 **	1.50	2.00	14	5	6.200	0.00
15	3	173.22	1.30	7.5	1.30	7.5	0.00 **	1.30	2.00	15	3	22.800	0.00
16	4	147.54	1.30	8.8	1.20	8.1	.10 **	1.30	2.00	16	4	9.710	0.00
17	5	152.20	1.80	11.8	1.63	10.7	.17 **	1.90	2.00	17	5	5.690	.20
18	6	164.02	1.70	10.4	1.47	9.0	.23 **	1.70	2.00	18	6	3.840	0.00
19	4	149.52	1.30	8.7	1.20	8.0	.10 **	1.30	2.00	19	4	9.840	0.00
20	5	119.01	1.20	10.1	.97	8.1	.23 **	1.20	2.00	20	5	4.480	0.00
21	6	123.87	1.70	13.7	1.36	11.0	.34 **	1.70	2.00	21	6	2.900	0.00

JOB 527, LINE 21, SP1 N1/2, 8/13/70
CAL GROUP NO. 2

500 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.500	0.00	250.000	0.00	3.00	.30	0.0000	1.0000

	COMPUTED DATA							FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE	PFE	CUR	PT.	N	AC1	AC2
22	1	208.52	1.10	5.3	1.10	5.3	0.00 **	1.10	2.00	22	1	275.000	0.00
23	2	152.10	1.40	9.2	1.40	9.2	0.00 **	1.40	2.00	23	2	50.000	0.00
24	3	198.69	1.50	7.5	1.50	7.5	0.00 **	1.50	2.00	24	3	26.100	0.00
25	1	179.30	1.30	7.3	1.30	7.3	0.00 **	1.30	2.00	25	1	236.000	0.00
26	2	208.48	1.60	7.7	1.60	7.7	0.00 **	1.60	2.00	26	2	68.400	0.00
27	3	168.73	1.80	10.7	1.80	10.7	0.00 **	1.80	2.00	27	3	22.100	0.00
28	4	231.48	2.20	9.5	2.20	9.5	0.00 **	2.20	2.00	28	4	15.100	0.00
29	2	158.64	1.30	8.2	1.30	8.2	0.00 **	1.30	2.00	29	2	52.200	0.00
30	3	180.59	1.60	8.9	1.60	8.9	0.00 **	1.60	2.00	30	3	23.700	0.00
31	4	150.57	1.70	11.3	1.60	10.6	.10 **	1.70	2.00	31	4	9.870	0.00
32	5	199.06	2.20	11.1	2.09	10.5	.11 **	2.20	2.00	32	5	7.420	0.00
33	3	181.53	1.70	9.4	1.70	9.4	0.00 **	1.70	2.00	33	3	23.800	0.00
34	4	199.84	1.70	8.5	1.70	8.5	0.00 **	1.70	2.00	34	4	13.100	0.00
35	5	168.82	1.60	9.5	1.46	8.6	.14 **	1.60	2.00	35	5	6.330	0.00
36	6	221.70	2.30	10.4	2.15	9.7	.15 **	2.30	2.00	36	6	5.160	0.00
37	4	199.45	1.50	7.5	1.50	7.5	0.00 **	1.50	2.00	37	4	13.100	0.00
38	5	213.78	1.60	7.5	1.50	7.0	.10 **	1.30	2.00	38	5	8.040	-.60
39	6	196.29	1.60	8.2	1.42	7.2	.18 **	1.60	2.00	39	6	4.600	0.00

ENGINEERED FOR HIGH SPEED PRINTERS
BUSINESS FORMS PRINTING COMPANY

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 1 HALF S SP. 1 DATE 7-31-20

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	→	→	15-20s	→	→
RANGE	10	1.0	10	1.0	10	1.0	0.1	10	1.0	
DC 1	0.0	1.3	1.1	1.4	1.1	1.5	1.3	1.2	1.6	1.5
DC 2										1.6
DC 3 T		1.5	2	2	2	2	1.5	2.5	2.5	2.5
DC 4 K_n		1.5	1.5	6	1.5	6	1.5	1.5	6	1.5
DC 5										
DC 6 P		90	88	54	121	135	99	114	157	156
DC 7										
DC 8										
DC AVG.										
AC 1	151	89.2	117	17.8	160	44.6	9.82	172	64.9	25.8
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
AC AVG.										
S.P.		+28.7	-12.0		+23.4			+26.8		
AC NOISE										
POT RES.		7K	100K		100K			10K		

JOB 527, LINE 13, SP1 S1/2, 8/14/70
CAL GROUP NO. 1

500 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.500	0.00	150.000	0.00	3.00	.30	0.0000	1.0000

	COMPUTED DATA							FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE	PFE	CUR	PT.	N	AC1	AC2
1	1	124.48	1.20	9.6	1.20	9.6	0.00 **	1.20	1.50	1	1	123.000	0.00
2	1	248.18	1.30	5.2	1.30	5.2	0.00 **	1.30	1.50	2	1	245.000	0.00
3	2	169.21	1.20	7.1	1.20	7.1	0.00 **	1.20	1.50	3	2	41.800	0.00
4	1	194.50	1.30	6.7	1.30	6.7	0.00 **	1.30	1.50	4	1	192.000	0.00
5	2	304.61	1.40	4.6	1.40	4.6	0.00 **	1.40	1.50	5	2	75.100	0.00
6	3	193.48	1.30	6.7	1.30	6.7	0.00 **	1.30	1.50	6	3	19.100	0.00
7	1	145.87	1.30	8.9	1.30	8.9	0.00 **	1.30	1.50	7	1	144.000	0.00
8	2	130.74	1.20	9.2	1.20	9.2	0.00 **	1.50	1.50	8	2	32.200	.60
9	3	212.73	1.20	5.6	1.20	5.6	0.00 **	1.30	1.50	9	3	21.000	.20
10	4	133.32	1.00	7.5	.88	6.6	.12 **	1.00	1.50	10	4	6.600	0.00
11	2	137.90	1.10	8.0	1.10	8.0	0.00 **	1.10	1.50	11	2	34.100	0.00
12	3	116.38	1.20	10.3	1.20	10.3	0.00 **	1.20	1.50	12	3	11.500	0.00
13	4	180.56	1.10	6.1	1.10	6.1	0.00 **	1.10	1.50	13	4	8.930	0.00
14	5	112.17	1.10	9.8	.85	7.5	.25 **	1.10	1.50	14	5	3.170	0.00
15	1	18.01	1.20	66.6	1.08	60.1	.12 **	1.20	1.50	15	1	17.800	0.00
16	4	141.48	1.20	8.5	1.09	7.7	.11 **	1.20	1.50	16	4	6.990	0.00
17	5	232.23	1.30	5.6	1.21	5.2	.09 **	1.30	1.50	17	5	6.550	0.00
18	6	146.50	1.40	9.6	1.13	7.7	.27 **	1.40	1.50	18	6	2.580	0.00
19	4	179.35	1.10	6.1	1.02	5.7	.08 **	1.10	1.50	19	4	8.870	0.00
20	5	140.76	1.30	9.2	1.11	7.9	.19 **	1.30	1.50	20	5	3.970	0.00
21	6	238.82	1.30	5.4	1.16	4.9	.14 **	1.30	1.50	21	6	4.210	0.00

JOB 527, LINE 13, SP1 N1/2, 8/13/70
CAL GROUP NO. 2

500 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.500	0.00	150.000	0.00	3.00	.30	0.0000	1.0000

	COMPUTED DATA							FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE	PFE	CUR	PT.	N	AC1	AC2
22	1	214.17	1.30	6.1	1.30	6.1	0.00 **	1.50	1.50	22	1	211.000	.40
23	2	139.93	1.30	9.3	1.30	9.3	0.00 **	1.40	1.50	23	2	34.500	.20
24	3	153.98	1.30	8.4	1.30	8.4	0.00 **	1.30	1.50	24	3	15.200	0.00
25	1	23.75	1.40	58.9	1.32	55.6	.08 **	1.50	1.50	25	1	23.400	.20
26	2	312.62	1.50	4.8	1.50	4.8	0.00 **	1.50	1.50	26	2	77.000	0.00
27	3	172.21	1.30	7.5	1.30	7.5	0.00 **	1.30	1.50	27	3	17.000	0.00
28	4	181.76	1.20	6.6	1.20	6.6	0.00 **	1.20	1.50	28	4	8.980	0.00
29	2	134.79	1.50	11.1	1.50	11.1	0.00 **	1.50	1.50	29	2	33.200	0.00
30	3	184.18	1.20	6.5	1.20	6.5	0.00 **	1.20	1.50	30	3	18.200	0.00
31	4	111.01	1.10	9.9	.95	8.5	.15 **	1.10	1.50	31	4	5.490	0.00
32	5	120.19	1.00	8.3	.77	6.4	.23 **	1.00	1.50	32	5	3.400	0.00
33	3	189.43	1.30	6.9	1.30	6.9	0.00 **	1.30	1.50	33	3	18.700	0.00
34	4	257.81	1.50	5.8	1.50	5.8	0.00 **	1.50	1.50	34	4	12.700	0.00
35	5	147.91	1.10	7.4	.93	6.3	.17 **	1.10	1.50	35	5	4.180	0.00
36	6	170.18	1.30	7.6	1.08	6.3	.22 **	1.30	1.50	36	6	3.000	0.00
37	4	184.18	1.20	6.5	1.20	6.5	0.00 **	1.20	1.50	37	4	9.100	0.00
38	5	248.08	1.40	5.6	1.32	5.3	.08 **	1.40	1.50	38	5	6.990	0.00
39	6	139.69	1.40	10.0	1.11	8.0	.29 **	1.40	1.50	39	6	2.460	0.00

BUSINESS FORMS PRINTING COMPANY ENGINEERED FOR HIGH SPEED PRINTERS

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak 527
LINE 1 HALF S SP. 1 DATE 7-31-70

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25s	→	→	→	25-30s	→	→	→	30-35s
RANGE	0.1	1.0	1.0	1.0	0.1	1.0	1.0	0.1	0.1	0.1
DC 1	1.6	1.6	1.9	1.8	2.2	1.5	1.7	1.6	2.1	1.5
DC 2										
DC 3 I	1.5									
DC 4 K_a	30									
DC 5										
DC 6 P	1.3									
DC 7										
DC 8										
DC AVG.										
AC 1	5.60	46.8	26.1	13.3	3.43	16.7	11.7	7.24	2.13	8.23
AC 2	0.0	0.0	0.0	-0.2	0.0	0.0	-0.2	-0.4	0.0	0.0
AC AVG.		+1.1								
S.P.						-12.1				-3.4
AC NOISE										
POT RES.		100 K				70 K				15 K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 1 HALF S SP. 1 DATE 7-30-70

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	30-35S	→	35-40S	→	40-45S					
RANGE	0.1	0.1	0.1	0.1	0.1					
DC 1	1.4	1.7	1.4	1.6	1.8					
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	6.66	4.54	6.34	5.58	5.03					
AC 2	0.0	0.0	0.0	0.0	0.0					
AC AVG.										
S.P.			+1.83		+5.7					
AC NOISE										
POT RES.			30K		20K					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 1 HALF S SP. 1 DATE 7/31/76

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5S	5-10S	→	10-15S	→	→	15-20S	→	→	→
RANGE	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
VOLTAGE	300	190	300	70	190	300	130	90	230	300
CURRENT	1.5	2.0	2.0	2.0	2.0	1.5	2.5	2.5	2.5	1.5
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	Cal	
RECEIVE	20-25	5 →	→	→	25-30S	→	→	→	3-4	
RANGE	4B	4B	4B	4B	4B	4B	4B	4B	4B	
VOLTAGE	130	90	230	290	130	90	230	290	140	
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	1.5	1.5	

FREQUENCIES 3.0 0.3

SENDER NO. 9662-5

OPERATORS. Coutz

RECEIVER NO.

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 1 HALF S SP. 1 DATE 7/31/20

SEND	1-2	2-3	3-4	1-2	2-3	1-2				
RECEIVE	30-35S →			35-40S →		40-45S				
RANGE	4B	4B	4B	4B	4B	4B				
VOLTAGE	130	90	220	130	90	130				
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5				
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO. 8662-5

OPERATOR S. Crase

RECEIVER NO.

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak 527
LINE 1 HALF N SP. 1 DATE 8-1-70

SEND	2-3	4-3	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	CAL	10-15N	→	→	15-20N	→	→	→	20-25N	→
RANGE	1.0	1.0	1.0	0.1	1.0	1.0	1.0	0.1	0.1	1.0
DC 1	0.0	1.0	1.3	1.3	1.2	1.0	1.3	1.3	0.9	1.1
DC 2										
DC 3 I_p		2.5	2.5	2.5	1.5	2.5	2.5	2.5	1.5	2.5
DC 4 K_m		1.5	6	15	1.5	6	15	30	6	15
DC 5										
DC 6 C		49	45	44	37	64	66	68	39	67
DC 7 Mcf		21	29	30	32	16	20	19	23	16
DC 8										
DC AVG.										
AC 1	199	79.7	18.5	7.14	36.4	26.3	10.8	5.59	9.65	11.0
AC 2	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		-0.9			+11.9				-8.6	
AC NOISE										
POT RES.		200 K			150 K				80 K	

Grounded fence @ 23N

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak 527
LINE 1 HALF N SP. 1 DATE 8-1-20

SEND	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	4-5
RECEIVE	20-25N	→	25-30N	→	→	→	30-35N	→	→	35-40N
RANGE	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
DC 1	1.2	1.4	1.3	1.2	1.3	1.5	1.1	1.3	1.5	1.2
DC 2										
DC 3 I	2.5	2.5								
DC 4 K_m	30	52.5								
DC 5										
DC 6 P	66	67								
DC 7 MCF	18	21								
DC 8										
DC AVG.										
AC 1	5.39	3.12	5.61	7.54	4.20	2.64	4.32	6.41	3.82	2.96
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.			+32.3				-6.7			-7.3
AC NOISE										
POT RES.			100 K				100 K			80 K

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Vulture Peak

LINE 1 HALF N SP. 1 DATE 8-1-70

SEND	3-4	4-5	S.P	S.P						
RECEIVE	35-40N	40-45N	ONLY	ONLY						
RANGE	0.1	0.1	0-5N	5-10N						
DC 1	1.3	1.4								
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	4.59	1.94								
AC 2	0.0	0.0								
AC AVG.										
S.P.		+47.7	+37.3	-0.3						
AC NOISE										
POT RES.		200K	100K	100K						

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 1 HALF N SP. 1 DATE 8-1-70

SEND	2-3	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	CAL	10-15N	→	→	15-20N	→	→	→	20-25N	→
RANGE	4B	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	70	210	90	130	260	210	90	130	260	210
CURRENT	2.0	2.5	2.5	2.5	1.5	2.5	2.5	2.5	1.5	2.5
SEND	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	4-5
RECEIVE	20-25N	→	25-30	→	→	→	30-35N	→	→	35-40N
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4B	4C
VOLTAGE	90	130	260	210	90	130	260	210	90	260
CURRENT	2.5	2.5	1.5	2.5	2.5	2.5	1.5	2.5	2.5	1.5

FREQUENCIES 3.0 0.3

SENDER NO. 9662-5

OPERATOR S. Cruz

RECEIVER NO.

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak

LINE 1 HALF N SP. 1 DATE 8-1-7

SEND	3-4	4-5								
RECEIVE	35-40	40-45N								
RANGE	4c	4c								
VOLTAGE	210	260								
CURRENT	2.5	1.5								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 4 HALF E SP. 1 DATE 8-27

SEND	2-3	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	CAL	0-5E	5-10E	→	10-15E	→	→	15-20	→	→
RANGE	10	10	10	10	10	1.0	1.0	10	1.0	1.0
DC 1	0.0	1.5	1.7	1.5	1.6	1.8	1.7	1.1	1.5	1.6
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	250	270	459	107	204	102.8	38.2	219	74.4	58.3
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		-13.7	+16.8		+34.3			+25.3		
AC NOISE										
POT RES.		200K	20K		5K			10K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK
LINE 4 HALF E SP. 1 DATE 8-2-76

SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	15-20E	20-25E	→	→	→	25-30E	→	→	→	30-35E
RANGE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	1.0
DC 1	1.5	1.7	1.9	2.0	2.0	1.8	1.9	2.2	1.7	1.5
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	26.7	69.8	39.4	30.8	16.9	25.7	17.7	15.9	9.58	12.5
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+18.1				+12.5				+51.4
AC NOISE										
POT RES.		180K				100K				150K

STA. 40E Right beside Road

PAGE 3

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 4 HALF E SP. 1 DATE 8-2-76

SEND	3-4	2-3	4-5	3-4	4-5					
RECEIVE	30-35	→	35-40	→	40-45					
RANGE	0.1	0.1	0.1	0.1	0.1					
DC 1	1.8	1.5	1.9	1.9	1.6					
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	9.76	9.64	7.06	6.08	4.07					
AC 2	0.2	-0.4	0.0	0.0	0.0					
AC AVG.										
S.P.			-17.9		+33.0					
AC NOISE										
POT RES.			150 K		60 K					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK

LINE 4 HALF E SP. 1 DATE 8-27

SEND	2-3	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	CAL	0-5E	5-10E	→	10-15	→	→	15-20	→	→
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	240	200	240	200	230	240	200	220	230	240
CURRENT	2.5	2.5	2.5	2.5	1.5	2.5	2.5	1.5	1.5	2.5
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	15-20	20-25	→	→	→	25-30	→	→	→	30-35
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	200	220	230	190	160	220	230	190	160	220
CURRENT	2.5	1.5	1.5	2.0	2.0	1.5	1.5	2.0	2.0	1.5

FREQUENCIES 2.0 0.3

SENDER NO. 9662-5

OPERATOR S. Cruse

RECEIVER NO. 20693-R

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Pk. 527

LINE 4 HALF E SP. 2 DATE 8/2/70

SEND	3-4	2-3	4-5	3-4	4-5					
RECEIVE	←	←	35-40E →		40-45E					
RANGE	4C	4C	4C	4C	4C					
VOLTAGE	230	190	220	230	220					
CURRENT	1.5	2.0	1.5	1.5	1.5					
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 4 HALF W SP. 1 DATE 9-2-76

SEND	S.P.	S.P	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	0-5W	5-10W	10-15W	→	→	15-20W	→	→	→	20-25W
RANGE			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1			1.9	2.0	2.2	1.5	1.6	1.6	2.0	1.7
DC 2										
DC 3		K_n	1.5	6	15	1.5	6	15	30	6
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1			372	96.7	47.0	266	77.6	27.4	15.0	72.4
AC 2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
AC AVG.										
S.P.	+28.4	-6.7	+34.4			+25.4				-1.7
AC NOISE										
POT RES.	50K	60K	100K			100K				100K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak SW
LINE + HALF W SP. 1 DATE 8-27-

SEND	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	20-25	→	→	25-30	→	→	→	30-35	→	→
RANGE	1.0	1.0	0.1	1.0	0.1	0.1	0.1	1.0	1.0	0.1
DC 1	1.5	1.4	2.0	1.1	1.0	1.3	0.6	1.4	1.4	1.3
DC 2										
DC 3										
DC 4	15	30	52.5	15	30	52.5	14	-		67
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	30.2	11.5	6.35	11.0	5.52	2.53	1.60	19.9	13.7	6.65
AC 2	0.0	-0.3	0.2	0.0	0.0	0.0	-0.4	0.0	0.0	0.0
AC AVG.										
S.P.				+56.2						
AC NOISE										
POT RES.				100 K						

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Vulture Peak 527

LINE 4 HALF W SP. 1 DATE 8-2-70

SEND	1-2	2-3								
RECEIVE	35-40	〃								
RANGE	1.0	0.1								
DC 1	1.0	1.2								
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	10.0	7.93								
AC 2	0.0	0.0								
AC AVG.										
S.P.	-19.0									
AC NOISE										
POT RES.	10k									

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 4 HALF W SP. 1 DATE 8/21/20

SEND	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	10-15W →			15-20W →				20-25W →		
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	180	220	220	160	180	220	220	160	180	220
CURRENT	2.0	1.5	1.5	2.0	2.0	1.5	1.5	2.0	2.0	1.5
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	1-2	2-3
RECEIVE	20-25W	25-30W →			→	30-35W →		→	35-40W →	
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	220	160	180	220	220	160	180	220	160	180
CURRENT	1.5	2.0	2.0	1.5	1.5	2.0	2.0	1.5	2.0	2.0

FREQUENCIES 3.0 0.3

SENDER NO. 9662-5

OPERATOR S. Cruze

RECEIVER NO.

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 4 HALF W SP. I DATE 7/21/70

SEND	1-2									
RECEIVE	40-45-W									
RANGE										
VOLTAGE										
CURRENT										
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 2 HALF E SP. 1 DATE 7-31-74

PAGE 1

SEND	2-3	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	CAL	0-5E	5-10E	→	10-15E	→	→	15-20E	→	→
RANGE	1.0	1.0	1.0	1.0	1.0	0.1	0.1	1.0	1.0	1.0
DC 1	0.0	1.2	1.2	1.4	1.0	0.8	1.3	0.8	1.2	1.3
DC 2										
DC 3	I=2 →									
DC 4	K_n	1.5	1.5	6	1.5	6	15	1.5	6	15
DC 5										
DC 6		103	72	88	27	21	31	28	141	114
DC 7										
DC 8										
DC AVG.										
AC 1	200	136	94.6	28.9	35.4	6.84	4.09	103	46.3	15.0
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+31.0	+1.6		+10.3			+10.3		
AC NOISE										
POT RES.		80 K	70 K		100 K			60 K		

STA 25E IN WASH — DITTO STA 30

Road @ 24E STA 35 - PAST WAY UP HILL

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak 527
LINE 2 HALF E SP. 1 DATE 7-31-20

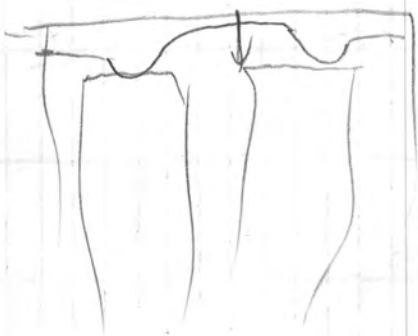
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	15-20E	20-25E	→	→	→	25-30E	→	→	→	30-35E
RANGE	1.0	1.0	1.0	0.1	0.1	0.1	0.1	0.1	0.1	1.0
DC 1	1.4	0.9	1.3	1.0	1.2	0.7	1.1	0.8	1.1	1.4
DC 2										
DC 3 K	30	6	15	30	52.5	15	30	52.5	84	30
DC 4										
DC 5 C	170	60	96	74	108	78	95	75	118	181
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	11.2	19.6	12.6	4.87	4.08	9.74	6.27	2.81	2.77	11.9
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.		+1.7				+13.5				+7.6
S.P.										
AC NOISE										
POT RES.		30K				70K				30K

$$\frac{\left(36^2 - 45(12.3 - 4.9)\right)^3}{3(62^2 + 47^2) + 49}$$

25 $= 490\ 47.\ 47$

$-4(-4 - (-8))$

-16



HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Vulture Peak 527

LINE 2 HALF E SP. 1 DATE 7-31-74

SEND	3-4	2-3	S.P	S.P						
RECEIVE	30-35E	→	0-5W	ONLY						
RANGE	0.1	0.1	ONLY	5-10W						
DC 1	1.2	1.3								
DC 2										
DC 3	52.5	84								
DC 4										
DC 5	227	180								
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	8.54	4.24								
AC 2	0.0	0.0								
AC AVG.										
S.P.			+32.0	+91						
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 2 HALF E SP. 1 DATE 7-31-70

PAGE 1

SEND	3-2	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	CAL	0-5E	5-10E	→	10-15E	→	→	15-20E	→	→
RANGE	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
VOLTAGE	270	315	230	310	130	220	310	170	130	220
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	15-20E	20-25E	→	→	→	25-30E	→	→	→	30-35E
RANGE	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
VOLTAGE	310	170	130	220	310	170	130	220	310	170
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR STEVE CRUZE

RECEIVER NO. 20693-R

OPERATOR Bill Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 2 HALF E SP. 1 DATE 7-31-2

SEND	3-4	2-3								
RECEIVE	30-35E	→								
RANGE	4B	4B								
VOLTAGE	130	220								
CURRENT	2.0	2.0								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO. 9662

OPERATOR STEVE CRUZE

RECEIVER NO. 20693-R

OPERATOR Bill Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 2 HALF W SP. 1 DATE 7-31

SEND	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	10-15W	→	→	15-20W	→	→	→	20-25W	→	→
RANGE	10	1.0	1.0	10	1.0	1.0	0.1	1.0	1.0	0.1
DC 1	1.5	1.4	1.3	1.7	1.5	1.4	1.4	1.7	1.8	1.7
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	134	35.4	10.7	245	39.0	17.1	5.94	74.7	17.4	9.74
AC 2	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+14.8			+2.8				-8.9		
AC NOISE										
POT RES.	100 K			110 K					200K	

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 2 HALF W SP. 1 DATE 7-31-70

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	1-2	2-3
RECEIVE	20-25W	25-30W	→	→	→	30-35W	→	→	35-40W	→
RANGE	0.1	1.0	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1
DC 1	1.5	1.6	1.9	1.5	1.6	1.9	1.8	1.7	1.8	1.6
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	3.86	32.3	9.45	6.24	2.72	14.7	5.10	3.90	8.66	3.56
AC 2	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	-0.2	0.0	0.0
AC AVG.										
S.P.		+8.2				+53.5			-28.0	
AC NOISE										
POT RES.		20.K				200K			60K	

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 2 HALF W SP. 1 DATE 7-31-2

SEND	1-2									
RECEIVE	40-50									
RANGE	0.1									
DC 1	1.7									
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	5.65									
AC 2	0.0									
AC AVG.										
S.P.	+28.0									
AC NOISE										
POT RES.	60K									

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527
LINE 2 HALF W SP. 1 DATE 7/31/70

SEND	Cal	2-3	3-4	4-5	1-2	2-3	3-4	4-5		
RECEIVE	3-4	10-15W	→	→	15-20W	→	→	→		
RANGE		4B	4B	4B	4B	4B	4B	4B		
VOLTAGE		240	150	160	300	240	150	160		
CURRENT		2.0	2.0	2.0	2.0	2.0	2.0	2.0		
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		
RECEIVE	20-25W	→	→	→	25-30W	→	→	→		
RANGE	4B	4B	4B	4B	4B	4B	4B	4B		
VOLTAGE	300	240	150	160	300	210	140	160		
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		

FREQUENCIES 3.0 0.3
SENDER NO. 9662-5
OPERATOR Cruze
RECEIVER NO. 20693-A
OPERATOR Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 526
LINE 2 HALF W SP. 1 DATE 7/31/79

SEND	1-2	2-3	3-4	1-2	2-3	1-2				
RECEIVE	30-35 W →			35-40 W →		40-45 W				
RANGE	4B	4B	4B	4B	4B	4B				
VOLTAGE	600	210	120	300	210	300				
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0				
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3
SENDER NO. 9662-5
OPERATOR Cruze
RECEIVER NO. 2093-A
OPERATOR Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 2 HALF W SP. 2 DATE 8-1-70

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	45-50W	50-55W	→	55-60W	→	→	60-65W	→	→
RANGE	10	10	10	1.0	10	1.0	1.0	10	1.0	1.0
DC 1	0.0	1.2	1.1	1.4	1.6	1.6	1.6	1.9	1.8	1.6
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	250	170	206	61.2	283	100.1	43.7	419	97.6	52.3
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		-7.9	+34.2		-27.3			-17.6		
AC NOISE										
POT RES.		20 K	60 K		30 K			20 K		

S.P. Change in rx type - ALLUVIUM to Andesitic type

HEINRICHS GEOEXPLORATION CO. PROJECT Vulture Peak

I.P. RECEIVER NOTES LINE 2 HALF W SP. 2 DATE 8-1-70

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	60-65W	65-70	→	→	→	70-75	→	→	→	75-80
RANGE	1.0	10	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.1
DC 1	1.4	2.1	2.2	1.9	2.2	1.3	1.5	1.2	1.1	0.9
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	28.2	106	43.5	30.3	19.0	34.0	17.3	13.4	8.78	8.10
AC 2	0.0	0.0	0.0	0.0	0.2	6.0	0.0	-0.2	-0.0	0.0
AC AVG.										
S.P.		+139.4				-114.8				+17.5
AC NOISE										
POT RES.		10 K				60K				10 K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 2 HALF W SP. 2 DATE 8-1-70

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	75-80	→	80-85	→	85-90W					
RANGE	0.1	0.1	0.1	0.1	0.1					
DC 1	1.1	1.1	1.3	1.3	1.5					
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	5.12	4.74	9.67	6.20	7.92					
AC 2	0.0	0.0	0.0	0.0	0.0					
AC AVG.										
S.P.			+29.6		-6.5					
AC NOISE										
POT RES.			60K		15 K					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PAGE 1

PROJECT Vulture Peak

LINE 2 HALF W SP. 2 DATE 8-1-70

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	45-50W	50-55W	→	55-60W	→	→	60-65W	→	→
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	195	200	190	200	210	190	200	250	200	190
CURRENT	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.0	2.0	2.5
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	60-65W	65-70W	→	→	→	70-75W	→	→	→	75-80W
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	200	240	200	190	200	240	200	190	190	240
CURRENT	2.5	2.0	2.0	2.5	2.5	2.0	2.0	2.5	2.5	2.0

FREQUENCIES 3 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

120
4
160
4
660

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak

LINE 2 HALF W SP. 2 DATE 8-1-70

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	75-80W	→	80-85W	→	85-90W					
RANGE	4C	4C	4C	4C	4C					
VOLTAGE	200	190	240	200	240					
CURRENT	2.0	2.5	2.0	2.0	2.0					
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 2 HALF E SP. 2 DATE 8-1-76

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	30-35W	→	→	30-25	→	→	→	20-25	→	→
RANGE	10	1.0	1.0	10	1.0	1.0	1.0	1.0	1.0	1.0
DC 1	1.2	1.3	1.3	1.2	1.5	1.6	1.8	1.7	1.5	1.5
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	236	41.6	21.6	360	74.4	22.0	13.5	80.0	28.2	10.9
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
AC AVG.										
S.P.	-39.0			+14.2				+62.1		
AC NOISE										
POT RES.	15k			50k				20.0k		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak
LINE 2 HALF E SP. 2 DATE 8-1-2

SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3		
RECEIVE	20-25	15-20	→	→	→	10-15	→	→		
RANGE	0.1	1.0	1.0	0.1	0.1	1.0	0.1	0.1		
DC 1	1.5	1.5	1.5	1.3	1.3	1.3	1.4	1.8		
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	7.41	29.8	14.9	6.78	5.01	17.4	9.88	4.94		
AC 2	0.0	0.0	0.0	0.0	0.0	-0.6	-0.4	0.0		
AC AVG.										
S.P.		-6.0				+1.3				
AC NOISE										
POT RES.		80 K				10 K				

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 2 HALF E SP. 2 DATE 8/1/74

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	45-40W →			40-35W →				35-30W →		
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	180	190	240	190	180	190	240	190	180	190
CURRENT	2.5	2.0	2.0	2.5	2.5	2.0	2.0	2.5	2.5	2.0
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	4-5	3-4
RECEIVE	35-30W →	30-25W →				25-20W →				
RANGE	4C	4C	4C	4C	4C	4C	4C	4C		
VOLTAGE	240	190	180	190	240	190	180	190		
CURRENT	2.0	2.5	2.5	2.0	2.0	2.5	2.5	2.0		

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak
LINE 2 HALF E SP. 2 DATE 8/1/70

SEND	4-5	3-4	2-3							
RECEIVE	20-15	→	→							
RANGE										
VOLTAGE										
CURRENT										
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3
SENDER NO.
OPERATOR
RECEIVER NO.
OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 3 HALF S SP. 1 DATE 8-3-70

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5S	5-10S	→	10-15S	→	→	15-20S	→	→
RANGE	10	10	10	1.0	10	1.0	1.0	10	1.0	1.0
DC 1	0.0	1.7	1.5	1.7	1.5	1.5	1.5	1.2	1.6	1.7
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	200	329	231	93.1	230	74.4	42.3	134	62.7	34.0
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		-1.0	+15.3		+26.7			+32.9		
AC NOISE										
POT RES.		30 K	100 K		60 K			30 K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 3 HALF S SP. 1 DATE 8-3-70

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	20-25s	20-25s	→	→	→	25-30s	→	→	→	30-35s
RANGE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1	1.6	1.3	1.6	1.6	1.6	1.8	2.1	2.1	2.4	2.4
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	21.8	33.3	31.5	15.8	10.8	21.3	18.9	14.2	10.4	14.2
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0
AC AVG.										
S.P.		0.0				-6.1				+30.9
AC NOISE										
POT RES.		30K				30K				20K

STA 35 beside drill or geochem stake # 42-SP

PAGE 3

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527

LINE 3 HALF S SP. 1 DATE 8-3-70

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	30-35s	→	35-40	→	40-45s					
RANGE	1.0	1.0	0.1	0.1	0.1					
DC 1	2.7	2.8	1.6	1.5	1.0					
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	14.3	11.4	4.75	5.04	1.27					
AC 2	0.0	0.0	0.0	0.0	0.0					
AC AVG.										
S.P.			+22.6		+3.1					
AC NOISE										
POT RES.			10K		7K					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK 527

LINE 3 HALF S SP. 1 DATE 8-3-70

PAGE 1

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	→	→	15-20s	→	→
RANGE	4C	4C	4C	4C	4C	4C	4C	2C	4C	4C
VOLTAGE	220	180	220	180	230	220	180	380	230	220
CURRENT	2.0	2.0	2.0	2.0	1.5	2.0	2.0	1.0	1.5	2.0
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25s	→	→	→	25-30s	→	→	→	30-35s
RANGE	4C	2C	2C	4C	4C	2C	2C	4C	4C	2C
VOLTAGE	180	380		220	180	380	240	220	180	380
CURRENT	2.0	1.0	2.0	2.0	2.0	1.0	1.5	2.0	2.0	1.0

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR STEVE CRUZE

RECEIVER NO. 20693-R

OPERATOR BILL FREEMAN

COMMENTS:

Too much load on gen.

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PAGE 2

PROJECT Vulture Pk. 522

LINE 3 HALF 5 SP. 1 DATE 8/3/76

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	30-355	→	35-405	→	40-455					
RANGE	2C	4C	2C	2C	2C					
VOLTAGE	240	220	380	230	370					
CURRENT	1.5	2.0	1.0	1.5	1.0					
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

STA 20N - 50'E OF STA. 50W ON LINE 2

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 3 HALF N SP. 1 DATE 8-3-70

SEND	S.P.	S.P.	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	0-5N	5-10N	10-15N	→	→	15-20N	→	→	→	20-25N
RANGE			10	1.0	1.0	10	10	1.0	1.0	1.0
DC 1			1.6	1.9	2.1	1.7	1.8	2.0	2.0	1.6
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1			369	100.5	28.5	352	104	38.6	12.8	80.1
AC 2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+9.1	+4.2	+15.6			+34.2				+25.9
AC NOISE										
POT RES.	55K	100K	3K			20K				60K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 3 HALF N SP. 1 DATE 8-3-70

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	20-25N	→	→	25-30N	→	→	→	30-35N	→	→
RANGE	1.0	1.0	0.1	1.0	1.0	1.0	0.1	1.0	0.1	0.1
DC 1	1.7	1.8	1.7	1.5	1.8	1.9	1.6	1.1	1.5	1.6
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	39.7	18.6	7.10	31.6	19.0	10.2	4.18	14.4	9.60	5.58
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.				+6.7				+19.4		
AC NOISE										
POT RES.				15K				6K		

GROUNDED FENCE @ 43N

PAGE 6

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527

LINE 3 HALF N SP. 1 DATE 8-3-76

SEND	4-5	3-4	4-5							
RECEIVE	35-40	→	40-45N							
RANGE	1.0	0.1	0.1							
DC 1	1.7	1.6	1.5							
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	11.8	8.29	8.08							
AC 2	0.0	0.0	0.0							
AC AVG.										
S.P.	+21.4									
AC NOISE										
POT RES.	30K		40K							

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 502 PAGE 3

LINE 3 HALF N SP. 1 DATE 8/9/20

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	10-15N	→	→	15-20N	→	→	→	20-25N	→	→
RANGE	4C	2C	2C	4C	4C	2C	2C	4C	4C	2C
VOLTAGE	220	230	360	180	220	230	360	180	220	230
CURRENT	2.0	1.5	1.0	2.0	2.0	1.5	1.0	2.0	2.0	1.5
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	4-5	3-4
RECEIVE	20-25N	25-30N	→	→	→	30-35N	→	→	35-40N	→
RANGE	2C	4C	4C	2C	2C	4C	4C	2C	4C	4C
VOLTAGE	360	180	220	230	360	180	220	230	180	220
CURRENT	1.0	2.0	2.0	1.5	1.0	2.0	2.0	1.5	2.0	2.0

FREQUENCIES 3.0 0.3

SENDER NO. 9662

OPERATOR S Cantu

RECEIVER NO. 20693

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Pk. 527

LINE 3 HALF N SP. 1 DATE 8/8/20

SEND	4-5									
RECEIVE	40-45N									
RANGE	4C									
VOLTAGE	180									
CURRENT	2.0									
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

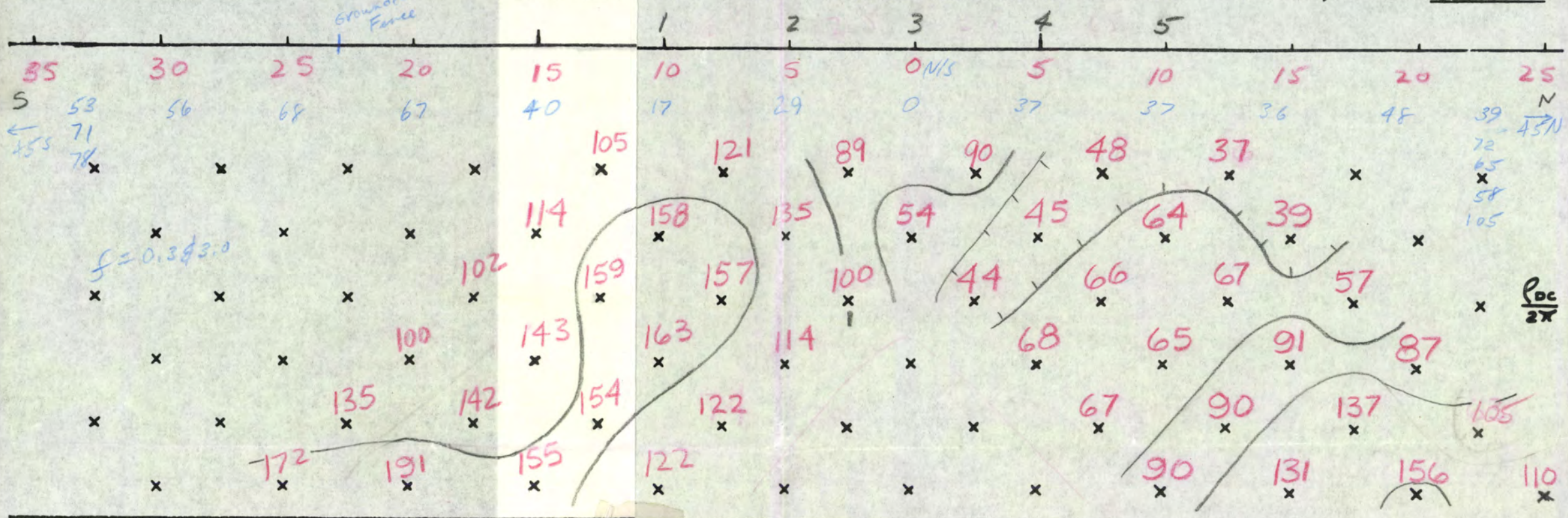
RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEX. INDUCED POLARIZATION SECTI

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING WEST



AREA VULTURE PEAK LINE 1 a = 500'

LINE 1 a = ' SCALE: 1" = 500 DATE: 8-4-70

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 5 HALF N SP. 1 DATE 8-3-70

SEND	2-3	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	CAL	0-5N	5-10N	→	10-15N	→	→	15-20N	→	→
RANGE	10	10	10	1.0	10	1.0	1.0	10	1.0	1.0
DC 1	0.0	1.0	1.1	1.0	1.1	1.2	1.0	0.9	1.3	1.4
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	251	128	117	44.7	148	25.7	15.4	164	44.3	13.1
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+10.9	+14.7		+7.7			+18.3		
AC NOISE										
POT RES.		40K	30K		20K			10K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 5 HALF N SP. 1 DATE 8-3-7

SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	15-20N	20-25N	→	→	→	25-30N	→	→	→	30-35N
RANGE	1.0	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0.1	1.0
DC 1	1.5	1.1	1.0	1.3	1.4	1.8	1.0	1.2	1.1	1.0
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	10.0	5.1	21.2	8.01	6.57	20.5	10.7	4.81	4.16	13.5
AC 2	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		0.0				+14.8				+2.9
AC NOISE										
POT RES.		20K				10K				30K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK
LINE 5 HALF N SP. 1 DATE 8-3-70

SEND	3-4	2-3	4-5	3-4	4-5					
RECEIVE	30-35N	→	35-40N	→	40-45N					
RANGE	0.1	0.1	0.1	0.1	0.1					
DC 1	1.4	1.3	1.4	1.3	1.4					
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	7.74	4.07	8.95	5.70	4.71					
AC 2	0.0	0.0	0.0	0.0	0.0					
AC AVG.										
S.P.			+22.0							
AC NOISE										
POT RES.			30K							

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK

LINE 5 HALF N SP. 1 DATE 8-3-70

SEND	2-3	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	CAL	0-5N	5-10N	→	10-15N	→	→	15-20	→	→
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	200	240	200	240	180	200	240	160	180	200
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	15-20	20-25	→	→	→	25-30	→	→	→	30-35N
RANGE	4C	4C	4C	4C	4C	4C	4C	4C	4C	4C
VOLTAGE	240	160	180	195	235	160	180	195	230	160
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

FREQUENCIES 3 0.3

SENDER NO. 9562-S

OPERATOR STEVE CRUZE

RECEIVER NO. 20693-R

OPERATOR Bill Freen

COMMENTS:

The Cow Stinks !!!

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 5 HALF N SP. 7 DATE 8/3/70

PAGE 2

SEND	3-4	2-3	4-5	3-4	4-5					
RECEIVE	30-35N	→	35-40N	→	40-45N					
RANGE	4C	4C	4C	4C	4C					
VOLTAGE	180	190	160	180	160					
CURRENT	2.5	2.5	2.5	2.5	2.5					
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR Cruze

RECEIVER NO.

OPERATOR Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 5 HALF S SP. 1 DATE 8-470

SEND	3-4	S.P.	S.P.	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	CAL	0-5s	5-10s	10-15s	→	→	15-20s	→	→	→
RANGE	10	ONLY	ONLY	1.0	1.0	1.0	1.0	1.0	1.0	0.1
DC 1	0.0			0.3	1.1	1.1	0.8	0.8	1.2	0.9
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	251			93.3	26.1	14.3	87.2	24.7	13.0	8.36
AC 2	0.0			-0.4	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+11.5	+18.7	+31.5			+22.7			
AC NOISE										
POT RES.		0.5K	0.6K	50K			1K			

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 5 HALF S SP. 1 DATE 8-4-10

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3
RECEIVE	20-25s	→	→	→	25-30	→	→	→	30-35s	→
RANGE	1.0	0.1	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1
DC 1	0.9	0.6	1.2	1.1	0.6	1.0	1.3	1.8	1.1	1.0
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	23.0	10.07	8.18	5.67	10.5	5.48	4.93	3.67	6.44	3.79
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0
AC AVG.										
S.P.	+11.6				+23.8				+12.6	
AC NOISE										
POT RES.	10 K				0.9K				0.6K	

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527

LINE 5 HALF S SP. 1 DATE 8-4-76

SEND	3-4	1-2	2-3	1-2						
RECEIVE	30-35	35-40	→	40-45						
RANGE	0.1	0.1	0.1	0.1						
DC 1	1.0	1.1	1.1	1.3						
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	3.90	4.15	2.65	3.36						
AC 2	0.0	0.0	0.0	0.0						
AC AVG.										
S.P.		+12.0		+31.9						
AC NOISE										
POT RES.		2 K		0.5 K						

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK

LINE 5 HALF S SP. 1 DATE 8-4-7

PAGE 1

SEND	3-4	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3
RECEIVE	CAL	10-15s	→	→	15-20s	→	→	→	20-25s	→
RANGE	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10
VOLTAGE	115	110	115	110	120	110	110	110	120	110
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
SEND	3-4	4-5	1-2	2-3	3-2	4-5	1-2	2-3	3-4	1-2
RECEIVE	20-25s	→	25-30s	→	→	→	30-35s	→	→	35-40s
RANGE	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10	250X10
VOLTAGE	105	110	120	110	105	110	120	105	110	120
CURRENT	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR STEVE CRUZE

RECEIVER NO. 20693-R

OPERATOR BILL FREEMAN

COMMENTS:

All voltages similar

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak

LINE 5 HALF S SP. 1 DATE 8-9-76

SEND	2-3	1-2								
RECEIVE	35-40	40-45								
RANGE	250x10	250x10								
VOLTAGE	100	120								
CURRENT	2.5	2.5								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO. 9662

OPERATOR S. Cruze

RECEIVER NO. 20693

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK
LINE 6 HALF S SP. 1 DATE 8-5-70

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s		→	15-20s		
RANGE	10	10	10	1.0	1.0	1.0	1.0	10	10	1.0
DC 1	0.0	0.9	1.0	1.3	1.3	1.4	1.3	1.2	1.4	1.5
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	300	158	193	40.8	360	66.0	20.2	491	165	45.1
AC 2	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+29.6	+29.6		+17.3			+24.0		
AC NOISE										
POT RES.		10 K	0.8 K		10 K			10 K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK
LINE 6 HALF S SP. 1 DATE 8-5-7

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20S	20-25	→	→	→	25-30S	→	→	→	30-35
RANGE	1.0	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0.1	1.0
DC 1	1.2	1.0	1.2	1.3	1.3	1.3	1.6	1.0	1.2	1.4
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	16.6	63.7	30.7	10.03	3.99	40.4	22.6	8.40	3.60	26.8
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	**0.0**
AC AVG.										
S.P.		+20.6				+11.3				+2.9
AC NOISE										
POT RES.		0.8K				0.8K				0.7K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK
LINE 6 HALF S SP. 1 DATE 8-5-2

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	30-35	→	35-40	→	40-45s					
RANGE	1.0	0.1	1.0	1.0	1.0					
DC 1	1.6	1.5	1.6	1.8	1.8					
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	16.7	5.74	17.4	11.5	10.6					
AC 2	0.0	0.0	0.0	0.0	0.0					
AC AVG.										
S.P.			+18.6		+1.6					
AC NOISE										
POT RES.			12K		10K					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 6 HALF 5 SP. 2 DATE 8/5/20

SEND	Cal	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	3-4	0-5 S	5-10 S	→	10-15 S	→	→	15-20 S	→	→
RANGE	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10
VOLTAGE	150	140	150	140	155	150	140	175	155	150
CURRENT	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20 S	20-25 S	→	→	→	25-30 S	→	→	→	30-35 S
RANGE	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10
VOLTAGE	140	175	150	145	140	175	150	145	140	175
CURRENT	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

FREQUENCIES 3.0 0.3

SENDER NO. 9662-5

OPERATOR S. Cruze

RECEIVER NO. 20693-R

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Ventura Peak 523
LINE 6 HALF 3 SP. 2 DATE 8/5/80

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	30-35S	→	35-40S	→	40-45S					
RANGE	300X10	300X10	300X10	300X10	300X10					
VOLTAGE	150	145	175	150	175					
CURRENT	3.0	3.0	3.0	3.0	3.0					
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3
SENDER NO. 9662-5
OPERATOR S Cruze
RECEIVER NO. 20693-R
OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 6 HALF N SP. 1 DATE 8-5-76

SEND	S.P	S.P	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	0-5N	5-10N	10-15N	→	→	15-20N	→	→	→	20-25N
RANGE			10	1.0	1.0	10	1.0	1.0	1.0	1.0
DC 1			1.1	1.5	1.5	1.0	1.4	1.6	1.9	1.5
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1			22.1	59.1	21.7	282	100.0	42.1	18.9	54.6
AC 2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+17.8	+3.5	←	+26.6		-16.6				-26.3
AC NOISE										
POT RES.	10K	0.8K	←	2K		0.8K				1K

Red stained hills @ Sta 25 N

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HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak 527
LINE 6 HALF N SP. 1 DATE 8-5-76

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	20-25N	→	→	25-30N	→	→	→	30-35N	→	→
RANGE	1.0	1.0	0.1	1.0	1.0	1.0	0.1	1.0	1.0	0.1
DC 1	1.6	2.1	2.0	1.6	1.9	2.1	2.3	1.9	2.3	2.3
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	28.5	15.4	7.71	30.2	20.9	13.5	7.56	12.8	10.1	7.39
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.				+51.7				-5.2		
AC NOISE										
POT RES.				2K				0.6K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak 527
LINE 6 HALF N SP. 1 DATE 8-5-70

SEND	4-5	3-4	4-5							
RECEIVE	35-40	→	40-45							
RANGE	0.1	0.1	0.1							
DC 1	2.1	2.8	1.5							
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	6.18	5.53	6.06							
AC 2	0.0	0.0	0.0							
AC AVG.										
S.P.	+18.2		+13.0							
AC NOISE										
POT RES.	1K		0.8 K							

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 6 HALF N SP. 1 DATE 8/5/76

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	10-15N	→	→	15-20N	→	→	→	20-25N	→	→
RANGE	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10
VOLTAGE	140	150	175	140	140	150	170	140	140	150
CURRENT	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	4-5	3-4
RECEIVE	20-25N	25-30N	→	→	→	30-35N	→	→	35-40N	→
RANGE	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10	300X10
VOLTAGE	170	195	140	150	170	135	146	150	135	140
CURRENT	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0

FREQUENCIES 3.0 0.7

SENDER NO. 9662-S

OPERATOR S. Cruz

RECEIVER NO. 20693-R

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak 527

LINE 6 HALF N SP. 1 DATE 8/5/76

SEND	4-5									
RECEIVE	40-45N									
RANGE	300X10									
VOLTAGE	140									
CURRENT	3.0									
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 7 HALF W SP. 1 DATE 8-670

SEND	3-4	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	CAL	5-10W	→	10-15W	→	→	15-20W	→	→	→
RANGE	10	10	1.0	10	10	1.0	10	10	1.0	1.0
DC 1	0.0	1.1	0.5	1.2	1.4	0.8	1.3	1.3	1.5	0.9
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	300	367	33.9	365	108	14.6	358	135	66.0	11.8
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+1.6		+10.6			-4.1			
AC NOISE										
POT RES.		1K		0.5K			30K			

Grounded @ 24W fence ⊥

PAGE 2

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak 527
LINE 7 HALF W SP. 4 DATE 8-6-?

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3
RECEIVE	20-25	→	→	→	25-30	→	→	→	30-35	→
RANGE	1.0	1.0	1.0	0.1	1.0	1.0	1.0	0.1	1.0	1.0
DC 1	0.8	0.9	1.3	0.9	2.1	1.9	1.[illegible]	0.0	1.9	1.8
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	62.5	32.3	19.2	3.82	39.4	23.5	16.0	3.64	17.0	11.2
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+16.0				+31.7				+20.1	
AC NOISE										
POT RES.	2K				2K				2K	

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527

LINE 7 HALF W SP. 1 DATE 8-6-70

SEND	3-4	1-2	2-3	1-2						
RECEIVE	30-35	35-40	→	40-45						
RANGE	0.1	0.1	0.1	0.1						
DC 1	1.8	1.9	1.8	2.0						
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	8.22	8.06	5.69	6.17						
AC 2	0.0	0.0	0.0	0.0						
AC AVG.										
S.P.		+6.8		+20.8						
AC NOISE										
POT RES.		0.7K		1K						

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK
LINE 7 HALF W SP. 1 DATE 8-6-7

SEND	3-4	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	CAL	5-10W	→	10-15W	→	→	15-20W	→	→	→
RANGE	300X10	300X10	300X10	300X10	300X10	300X10	250X10	300X10	300X10	300X10
VOLTAGE	120	120	170	170	120	170	210	170	120	170
CURRENT	3.0	3.0	3.0	3.0	3.0	3.0	2.5	3.0	3.0	3.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3
RECEIVE	30-25W	→	→	→	25-30W	→	→	→	30-35W	→
RANGE	250X10	300X10	300X10	300X10	250X10	300X10	300X10	300X10	250X10	300X10
VOLTAGE	210	170	120	120	210	170	120	170	210	170
CURRENT	2.5	3.0	3.0	3.0	2.5	3.0	3.0	3.0	2.5	3.0

FREQUENCIES 3 0.3
SENDER NO. 9662-5
OPERATOR STEVE CRUZE
RECEIVER NO. 20693-R
OPERATOR B. FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK

LINE 7 HALF W SP. / DATE 8-6-70

SEND	3-4	1-2	2-3	1-2						
RECEIVE	30-35W	35-40	→	40-45						
RANGE	300X10	250X10	300X10	250X10						
VOLTAGE	120	210	170	210						
CURRENT	3.0	2.5	3.0	2.5						
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR STEVE CRUZE

RECEIVER NO. 20693-R

OPERATOR B. FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK
LINE 7 HALF E SP. 1 DATE 8-6-7

SEND	4-5	S.P	S.P.	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5W	0-5E	5-10E	10-15E	→	→	15-20E	→	→	→
RANGE	1.0			10	1.0	1.0	10	1.0	1.0	0.1
DC 1	0.2			0.9	0.6	0.9	0.9	1.3	0.9	0.9
DC 2										
DC 3						K_p	1.5	6	15	30
DC 4						I	3	3	3	2.5
DC 5										
DC 6	5W-0					C	67	93	73	98
DC 7	-17.7					MCF	14	14	12	9
DC 8										
DC AVG.										
AC 1	88.0			140	27.5	12.6	132	45.9	14.5	8.11
AC 2	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+17.7	+32.6	-9.4	+5.8			+23.4			
AC NOISE										
POT RES.	20K	1K	1.5K	1K			2K			

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Vulture Peak 527
LINE 7 HALF E SP. 1 DATE 8-6-76

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	20-25	→	→	→	25-30E	→	→	→	30-35E	→
RANGE	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0.1	1.0	1.0
DC 1	0.9	1.4	1.0	1.2	1.1	1.6	1.1	1.2	1.2	1.8
DC 2										
DC 3	6	15	30	52.5	15	30	52.5	84	30	52.5
DC 4	3	3	3	2.5	3	3	3	2.5	3	3
DC 5										
DC 6 P	59	110	90	118	60	121	98	125	114	235
DC 7 MCE	15	13	11	10	18	13	11	10	10	8
DC 8										
DC AVG.										
AC 1	29.2	21.6	8.87	5.54	11.8	11.9	5.52	3.69	11.3	13.2
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+1.8				+9.0				+7.3	
AC NOISE										
POT RES.	2K				3K				2K	

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 7 HALF E SP. 1 DATE 8-6-70

SEND	2-3	4-5	3-4	4-5						
RECEIVE	30-35E	35-40	—	40-45						
RANGE	0.1	0.1	0.1	0.1						
DC 1	1.1	0.7	1.6	1.0						
DC 2										
DC 3	84	52.5	84	84						
DC 4	3	3	3	3						
DC 5										
DC 6 (P	101	81	178	73						
DC 7 MC	6	9	9	14						
DC 8										
DC AVG.										
AC 1	6.76	4.62	6.27	2.59						
AC 2	0.0	0.0	0.0	0.0						
AC AVG.										
S.P.		-3.4		+7.1						
AC NOISE										
POT RES.		1K		2K						

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK 527

LINE 7 HALF E SP. L DATE 8-6-70

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	0-5W	10-15E	→	→	15-20E	→	→	→	20-25E	→
RANGE	300X10	300X10	300X10	250X10	300X10	300X10	300X10	250X10	300X10	300X10
VOLTAGE	170	120	170	210	170	120	170	210	170	120
CURRENT	3.0	3.0	3.0	2.5	3.0	3.0	3.0	2.5	3.0	3.0
SEND	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	4-5
RECEIVE	20-25E	→	25-30E	→	→	→	30-35	→	→	35-40
RANGE	300X10	250X10	300X10	300X10	300X10	250X10	300X10	300X10	300X10	300X10
VOLTAGE	170	210	170	120	170	210	170	120	170	170
CURRENT	3.0	2.5	3.0	3.0	3.0	2.5	3.0	3.0	3.0	3.0

FREQUENCIES 3.0 0.3

SENDER NO. 9662-5

OPERATOR S Cruz

RECEIVER NO. 20693-R

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK 521

LINE 7 HALF E SP. 1 DATE 8-6-20

SEND	3-4	4-5								
RECEIVE	35-40	40-45								
RANGE	300X10	300X10								
VOLTAGE	120	170								
CURRENT	3.0	3.0								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 8 HALF S SP. 1 DATE 8-2-70

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	→	→	15-20s	→	→
RANGE	10	10	10	1.0	1.0	1.0	0.1	10	1.0	1.0
DC 1	-0.1	1.6	1.4	1.5	1.3	1.3	1.1	1.1	1.3	1.4
DC 2 PFE		1.7	1.6	1.6	1.4	1.4	1.2	1.2	1.4	1.5
DC 3 Kn	—	1.5	1.5	6.0	1.5	6.0	15.	1.5	6.0	15.
DC 4										
DC 5 P		217	193	218	95.5	128	141	81.8	107.	128.
DC 6										
DC 7										
DC 8 I	1.5	1.0	1.5	1.0	1.5	1.5	1.1	2.0	2.0	1.5
DC AVG.										
AC 1	150	145	193	36.3	95.5	31.9	9.37	109	35.7	12.8
AC 2	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+29.3	+25.0		+9.3			+36.9		
AC NOISE		8	8	7	15	11	9	15	13	12
POT RES.		90K	100K		20K			80K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 8 HALF S SP. 1 DATE 8-2-76

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25s	→	→	→	25-30s	→	→	→	30-35s
RANGE	0.1	1.0	1.0	0.1	0.1	1.0	0.1	0.1	0.1	1.0
DC 1	~~0.4~~	1.0	1.4	1.2	1.4	1.2	1.1	1.3	1.4	1.3
DC 2 PFE	1.2/3	1.1	1.5	1.3	1.5	1.3	1.3	1.4	1.5	1.4
DC 3 K	30	6.0	15	30	52.5	15	30	52.5	84.	30
DC 4										
DC 5 ρ	136	826	110	125	133	98	119	133	140	150
DC 6										
DC 7 I	1.0	2.0	2.0	1.5	1.0	2.0	2.0	1.5	1.0	2.0
DC 8										
DC AVG.										
AC 1	4.54	29.2	14.6	6.24	2.54	13.1	7.94	3.79	1.67	10.0
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0
AC AVG.										
S.P.		+23.5				-15.5				
AC NOISE MIP	10	13	14	10	11	13	10	11	11	9
POT RES.		~~80~~ K				100 K				

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK
LINE 8 HALF S SP. / DATE 8-7-70

PAGE 3

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	30-35s	→	35-40	→	40-45s					
RANGE	0.1	0.1	1.0	0.1						
DC 1	1.3	1.4	1.6	1.3						
DC 2 MA	1.4	1.5	1.7	1.4						
DC 3 Kn	52.5	84	52.5	84						
DC 4										
DC 5 ρ	174	185	223	249						
DC 6										
DC 7 I	2.0	1.5	2.5	2.5						
DC 8										
DC AVG.										
AC 1	6.63	3.31	10.6	7.40						
AC 2	0.0	0.0	0.0	0.0						
AC AVG.										
S.P.			+17.9							
AC NOISE	8	8	8	6						
POT RES.			100 K							

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT VULTURE PEAK 527

LINE 8 HALF S SP. 1 DATE 8-7-79

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	→	→	15-20s	→	→
RANGE	150X10	100X10	150X10	100X10	150X10	150X10	100X10	200X10	200X10	150X10
VOLTAGE	230	185	180	185	125	180	185	170	170	185
CURRENT	1.5	1.0	1.5	1.0	1.5	1.5	1.0	2.0	2.0	1.5
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25s	→	→	→	25-30s	→	→	→	30-35s
RANGE	100X10	200X10	200X10	150X10	100X10	200X10	200X10	150X10	100X10	200X10
VOLTAGE	185	175	170	185	185	170	170	185	185	175
CURRENT	1.0	2.0	2.0	1.5	1.0	2.0	2.0	1.5	1.0	2.0

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR STEVE CRUZE

RECEIVER NO. 20693-R

OPERATOR BILL FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Pk. 527

LINE 8 HALF 5 SP. 1 DATE 8/7/20

SEND	2-3	3-4	1-2	2-3	1-2					
RECEIVE	30-35S →		35-40S →		40-45S					
RANGE	200X10	150X10	250X10	250X10						
VOLTAGE	170	180	220	220						
CURRENT	2.0	1.5	2.5	2.5						
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE / PEAK 527
LINE 8 HALF N SP. 1 DATE 8-72

SEND	S.P	S.P	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	0-5N	5-10N	10-15N	→	→	15-20N	→	→	→	20-25N
RANGE			1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1			1.5	1.7	1.5	1.5	1.5	1.8	1.5	1.3
DC 2 PFE			1.6	1.8	1.6	1.6	1.6	1.9	1.6	1.4
DC 3 K_n			1.5	6.0	15	1.5	6.0	15	30	6.0
DC 4										
DC 5 P			143	192	197	146	191	223	218	158
DC 6										
DC 7 I			1.5	2.5	2.5	1.0	2.0	2.5	2.5	1.0
DC 8										
DC AVG.										
AC 1			143	79.8	32.8	97.6	63.5	37.1	18.2	26.3
AC 2			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+36.5	+13.5	+21.5			+20.6				+29.1
AC NOISE			11	9	8	11	8	9	7	9
POT RES.	75K	60K	60K			20K				80K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK 527
LINE 8 HALF N SP. 1 DATE 8-7-70

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	20-25N	→	→	25-30N	→	→	→	30-35N	→	→
RANGE	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.1	0.1	0.1
DC 1	1.7	1.6	1.5	1.8	1.9	1.9	1.6	1.5	1.5	1.7
DC 2 PFF	1.8	1.7	1.6	1.9	2.0	2.0	2.0	1.6	1.6	1.8
DC 3 Km	15	30	52.5	15	30	52.5	84	30	52.5	84
DC 4										
DC 5 ρ	191	217	218	162	191	214	214	150	170	191
DC 6										
DC 7 T	2.0	2.5	2.5	1.0	2.0	2.5	2.5	1.0	2.0	2.5
DC 8										
DC AVG.										
AC 1	25.4	18.1	10.4	10.8	12.7	10.2	6.36	5.00	6.49	5.68
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
AC AVG.										
S.P.				+25.2				+17.0		
AC NOISE NCE	9	8	7	12	10	9	8	11	9	9
POT RES.				80K				20K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT VULTURE PEAK
LINE 8 HALF N SP. 1 DATE 8-7-70

SEND	4-5	3-4	4-5							
RECEIVE	35-40	→	40-45N							
RANGE	0.1	0.1	0.1							
DC 1	1.9	1.6	1.7							
DC 2 PFE	2.0	1.7	1.8							
DC 3 K_n	52.5	84.	84.							
DC 4										
DC 5 P	163	192	202							
DC 6										
DC 7 I	1.0	2.0	1.0							
DC 8										
DC AVG.										
AC 1	3.10	4.50	2.41							
AC 2	0.0	0.0	0.0							
AC AVG.										
S.P.	+20.2									
AC NOISE	12	9	9							
POT RES.	20k									

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak

LINE 8 HALF N SP. 1 DATE 8/5/84

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	10-15N	→	→	15-20N	→	→	→	20-25N	→	→
RANGE	150X10	250X10	250X10	100X10	200X10	250X10	250X10	100X10	200X10	250X10
VOLTAGE	150	220	220	185	250	220	220	185	250	220
CURRENT	1.5	2.5	2.5	1.0	2.0	2.5	2.5	1.0	2.0	2.5
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	4-5	3-4
RECEIVE	20-25N	25-30N	→	→	→	30-35N	→	→	35-40N	→
RANGE	250X10	100X10	200X10	250X10	250X10	100X10	200X10	250X10	100X10	200X10
VOLTAGE	220	185	250	220	220	185	250	220	185	250
CURRENT	2.5	1.0	2.0	2.5	2.5	1.0	2.0	2.5	1.0	2.0

FREQUENCIES 3.0 0.3

SENDER NO. 9966

OPERATOR S. Cruze

RECEIVER NO. 20693

OPERATOR B. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Vulture Peak

LINE 8 HALF N SP. 1 DATE 8/7/70

PAGE 4

SEND	4-5									
RECEIVE	10-45-N									
RANGE	100X10									
VOLTAGE	185									
CURRENT	1.0									
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 0.7

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

Job 527, Line 13, Sol 5½, 8/14/70 500.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT General Grant 527
LINE 13 HALF S SP. 1 DATE 8-14-70

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-5s	5-10s	→	10-15s	—	→	15-20s	—	→
RANGE	10	10.0	10	1.0	10	1.0	1.0	10	1.0	1.0
DC 1	0.0	1.2	1.3	1.2	1.3	1.4	1.3	1.3	1.5	1.3
DC 2								X	X	
DC 3 cur	1.5	1.5	→	→	1.5	1.5	1.5	1.5	1.5	1.5
DC 4 #	—	1	2	3	4	5	6	7	8	9
DC 5 #	—	1	1	2	1	2	3	1	2	3
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	150	123	245	41.8	192	75.1	19.1	144	32.2	21.0
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.2
AC AVG.										
S.P.		+16.1	+18.1		+8.9			+12.6		
AC NOISE										
POT RES.		3K	1K		3K			2K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Gen. Grant 527
LINE 13 HALF 5 SP. 1 DATE 8-14-70

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	15-20s	20-25s	→	→	→	25-30s	→	→	→	30-35s
RANGE	0.1	1.0	1.0	0.1	0.1	1.0	0.1	0.1	0.1	0.1
DC 1	1.0	1.1	1.2	1.1	1.1	1.2	1.2	1.3	1.4	1.1
DC 2										
DC 3 Cur	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DC 4 #	10	11	12	13	14	15	16	17	18	19
DC 5 #	4	2	3	4	5	3	4	5	6	4
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	6.60	34.1	11.5	8.93	3.17	17.8	6.99	6.55	2.58	8.87
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+20.1				-7.4				+2.3
AC NOISE										
POT RES.		3K				4K				2K

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Gen. Grant 527

LINE 13 HALF S SP. 1 DATE 8-19-72

PAGE 3

SEND	2-3	3-4								
RECEIVE	30-35S	→								
RANGE	~~0.1~~	~~0.1~~								
DC 1	1.3	1.3								
DC 2										
DC 3 Cur	1.5	1.5								
DC 4 #	20	21								
DC 5 η	5	6								
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	3.97	4.21								
AC 2	0.0	0.0								
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant

LINE 13 HALF S SP. 1 DATE 8-14

SEND	3-4	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL.	0-5S	5-10S	→	10-15S	—	→	15-20S	—	→
RANGE	150x10	150x10	150x10	150x10	150x10	150x10	150x10	150x10	150x10	150x10
VOLTAGE	160	160	160	160	100	160	160	170	100	160
CURRENT	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2
RECEIVE	→	20-25S	—	—	→	25-30S	—	—	→	30-35S
RANGE	150x10	150x10	150x10	150x10	150x10	150x10	150x10	150x10	150x10	150x10
VOLTAGE	155	170	100	160	155	170	100	160	155	170
CURRENT	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR AL WILDER

RECEIVER NO. 20693-R

OPERATOR BILL FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT GENERAL GRANT

LINE 13 HALF S SP. 1 DATE 9-14

SEND	2-3	3-4								
RECEIVE	30-355	→								
RANGE	150X10	150X10								
VOLTAGE	100	155								
CURRENT	1.5	1.5								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR AL WILDER

RECEIVER NO. 20693-R

OPERATOR BILL FREEMAN

COMMENTS:

Job 527, Line 13, Sol N½, 8/14/70, 500.

Note! use S½ calibration

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Gen. Grant 527
LINE 13 HALF N SP. 1 DATE 8-14-70

SEND	S.P	S.P.	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	0-5N	5-10N	10-15N	→	→	15-20N	→	→	→	20-25N
RANGE	10	10	10	10	10	10	10	10	0.1	1.0
DC 1			1.5	1.4	1.3	1.5	1.5	1.3	1.2	1.5
DC 2										
DC 3 Cur			1.5	→	→	1.5	1.5	1.5	1.5	1.5
DC 4 #			22	23	24	25	26	27	28	29
DC 5 "			1	2	3	1	2	3	4	2
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1			211	34.5	15.2	234	77.0	17.0	8.98	33.2
AC 2			0.4	0.2	0.0	0.2	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+5.6	+9.6	+1.4			+9.6				+28.8
AC NOISE										
POT RES.	2K	2K	1K			3K				2K

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Gen. Grant 527

LINE 13 HALF N SP. 1 DATE

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	20-25	→	→	25-30	1.0	→	→	30-35	→	→
RANGE	1.0	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1
DC 1	1.2	1.1	1.0	1.3	1.5	1.1	1.3	1.2	1.4	1.4
DC 2										
DC 3										
DC 4 Cur	1.5	→	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
DC 5 #	30	31	32	33	34	35	36	37	38	39
DC 6 #	3	4	5	3	4	5	6	4	5	6
DC 7										
DC 8										
DC AVG.					12.7					
AC 1	18.2	5.49	3.40	18.7	[illegible]	4.18	3.00	9.10	6.99	2.46
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.				-1.9				+12.2		
AC NOISE										
POT RES.				2K				3K		

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT General Grant

LINE 13 HALF N SP. 1 DATE 8-14

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	10-15N	→	→	15-20N	→	→	→	20-25N	→	→
RANGE	150X10	150X10	150X10	150X10	150X10	150X10	150X10	150X10	150X10	150X10
VOLTAGE	155	100	170	150	155	106	170	150	150	100
CURRENT	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3		
RECEIVE	→	25-30N	→	→	→	30-35N	→	→		
RANGE	150X10	150X10	150X10	150X10	150X10	150X10	150X10	150X10		
VOLTAGE	170	150	155	100	170	150	155	106		
CURRENT	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR F. M. Buckley

RECEIVER NO. 20693-R

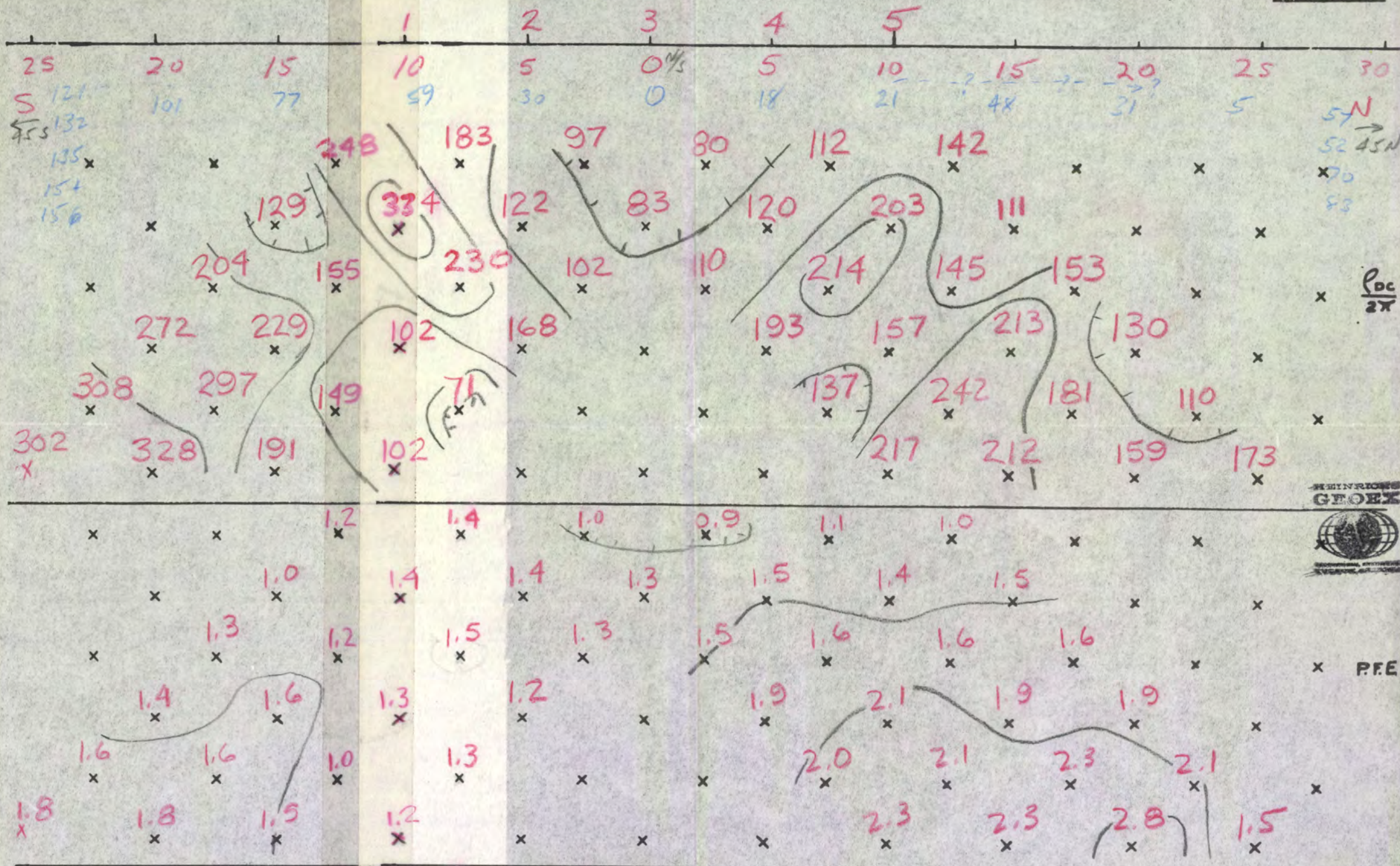
OPERATOR BILL FREEMAN

COMMENTS:

LF

DOC- 1 **PAGE-** 160

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING N80°W



GENERAL GRANT

AREA ~~VICTORY PEAK~~ LINE AREA LINE 6 a = 500' SCALE: 1" = 500' DATE: 8-6-70

(45)

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING_ SECTIONAL DATA PLOT, LOOKING 584°W

1 2 3 4 5

30 25 20 15 10 5 0 N/S 5 10 15 20 25

5 120 96 84 62 30 12 0 11 26 33 52 52 N

155 132 144 176 66 45 N 69 91

53 56 78 71 90 100

56 60 63 108 63 108 124

64 61 79 86 93 80 129 125 ρ_{DC} 2π

78 66 99 101 122 97 130 164

88 80 105 120 140 102 165 191

104 90 132 125 141 138 193 160 X

0.8 0.5 1.0 1.1 1.1 0.9

0.9 0.8 1.1 1.0 1.2 1.3 1.1

0.6 0.6 1.2 1.1 1.0 1.4 1.1 1.8 P.F.E.

1.1 1.0 1.2 0.9 1.5 1.3 1.0 1.0

1.1 1.0 1.3 1.1 1.4 1.2 1.4 1.4

1.3 1.1 1.0 1.6 1.1 1.3 1.3 1.4 X

14 9 13 16 12 9

16 13 17 10 19 12 9

10 10 15 13 11 18 9 15 M.C.F.

14 15 12 9 12 13 8 6

12 13 13 9 10 12 9 7

13 12 8 13 8 10 7 9 X

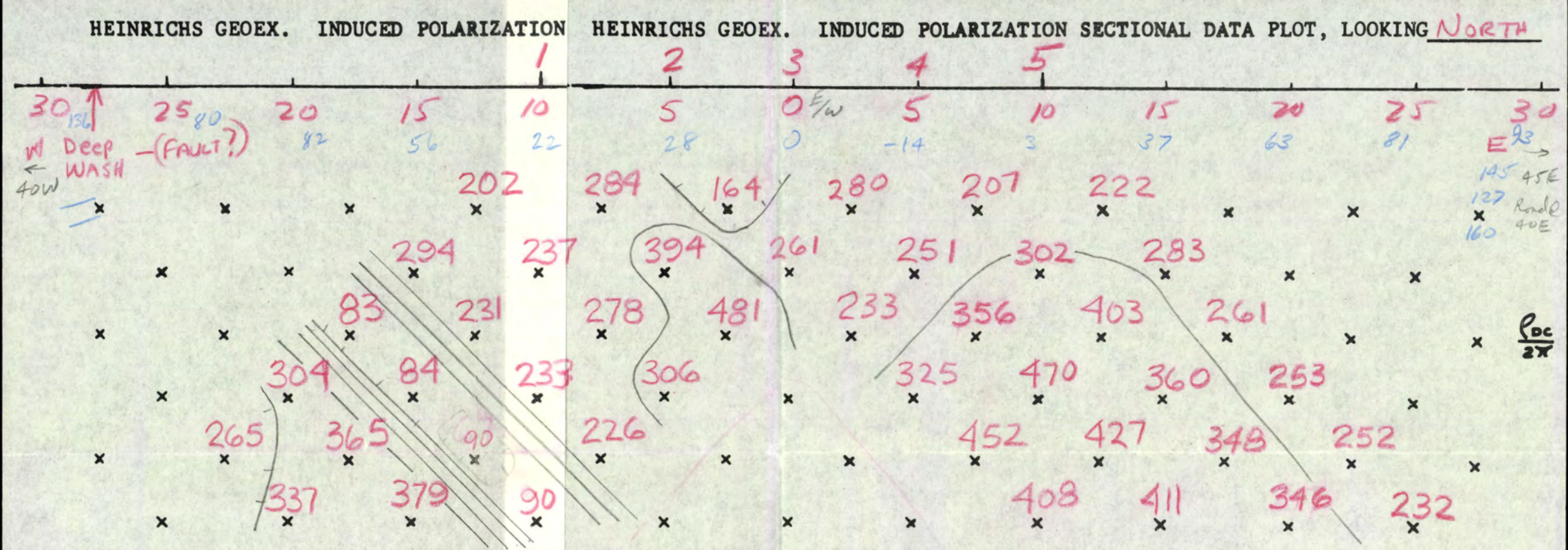
527

AREA Vulture Peak LINE 5 a = 500' SCALE: 1" = 500' DAT SCALE: DATE: 8-6-70

45

HEINRICHS GEOEX. INDUCED POLARIZATION

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING NORTH



Job 527

AREA Vulture Peak LINE 4 a = 500' AREA LINE 4 a = 500' SCALE: 1" = 500' DATE: 8-4-76

44

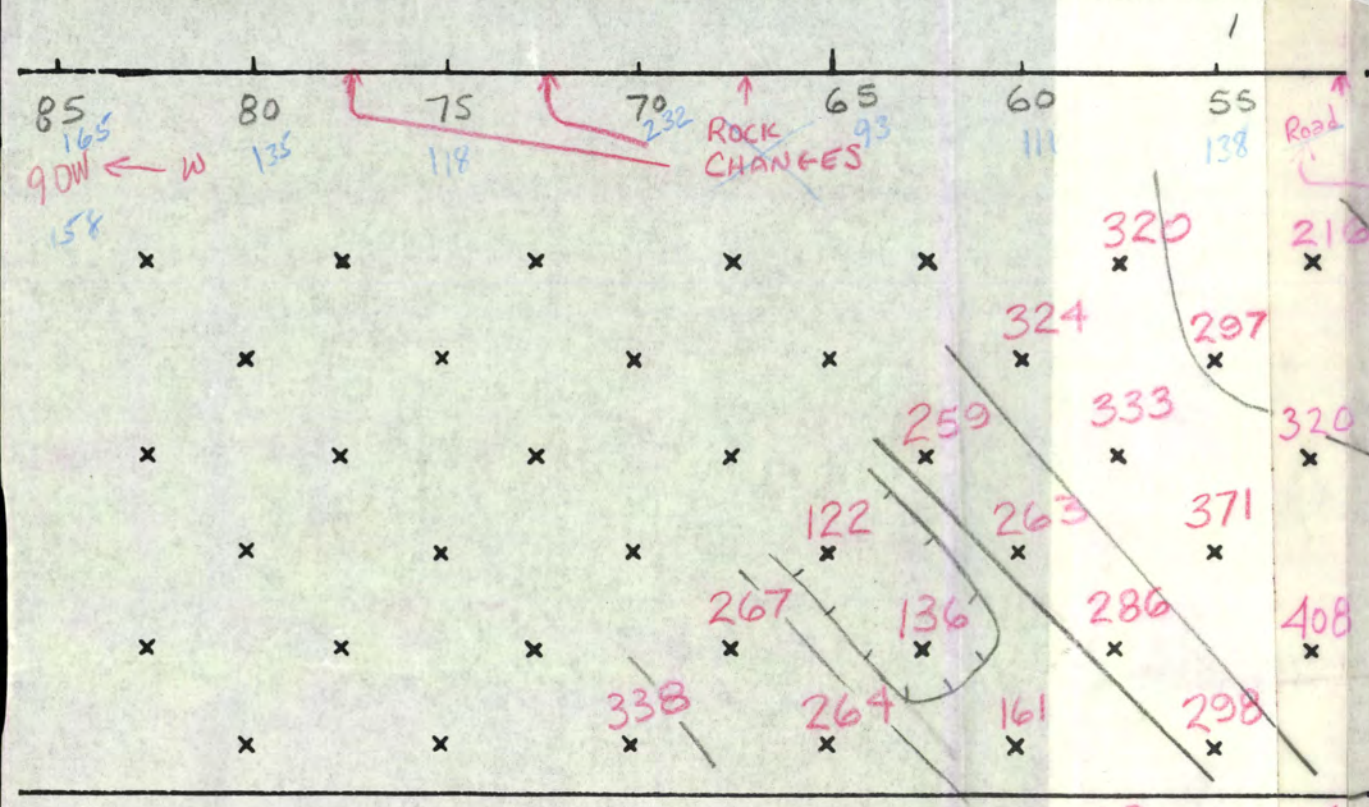
HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING WEST

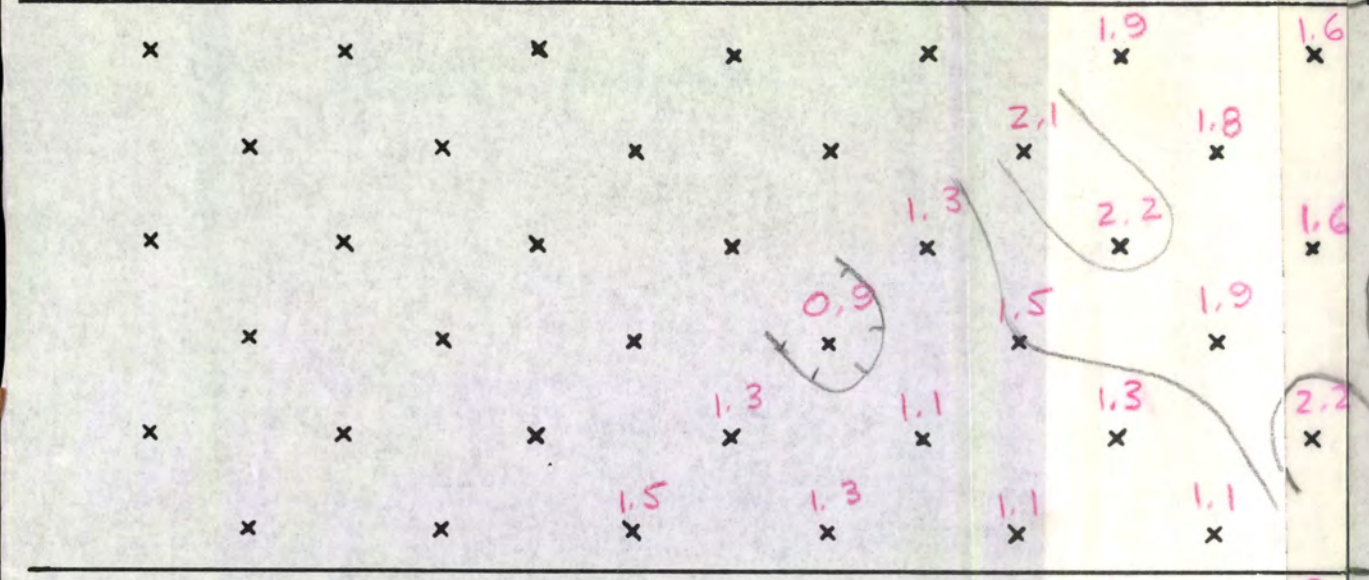
ONAL DATA PLOT, LOOKING WEST

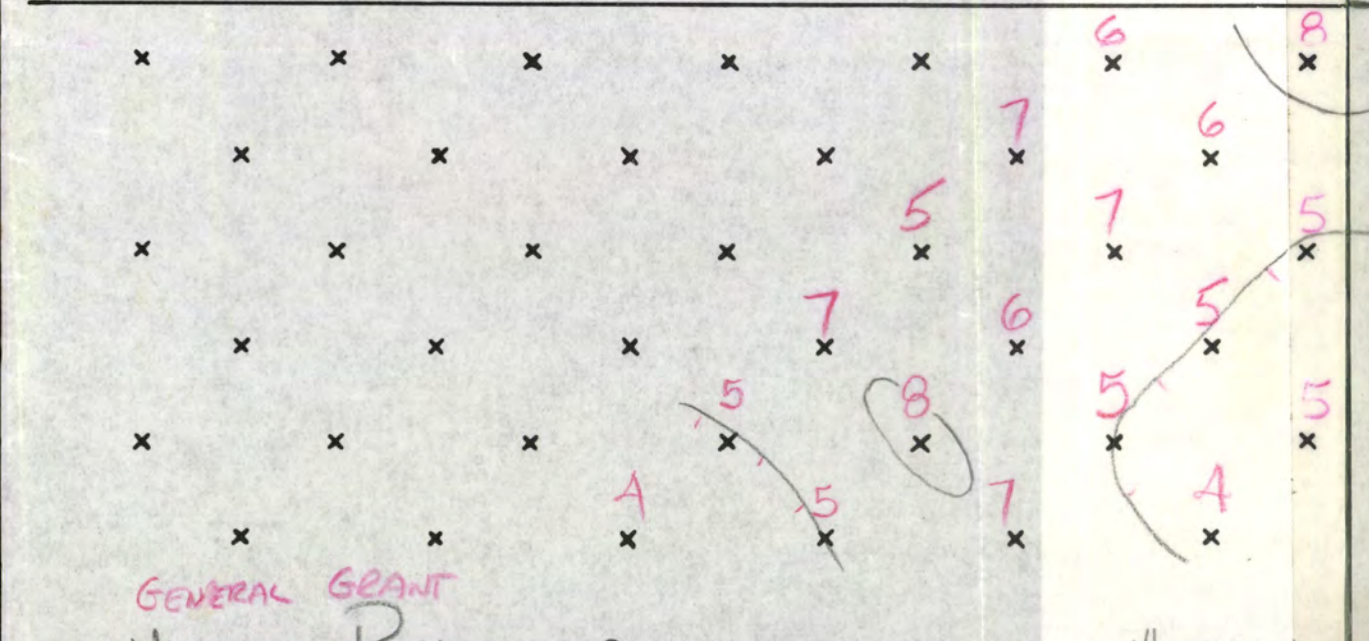
AREA VULTURE PEAK LINE 3 a = 500 ' SCALE: 1" = 500' DATE: 8-9-70 SCALE: 1" = 500' DATE: 8-9-70

45

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOO



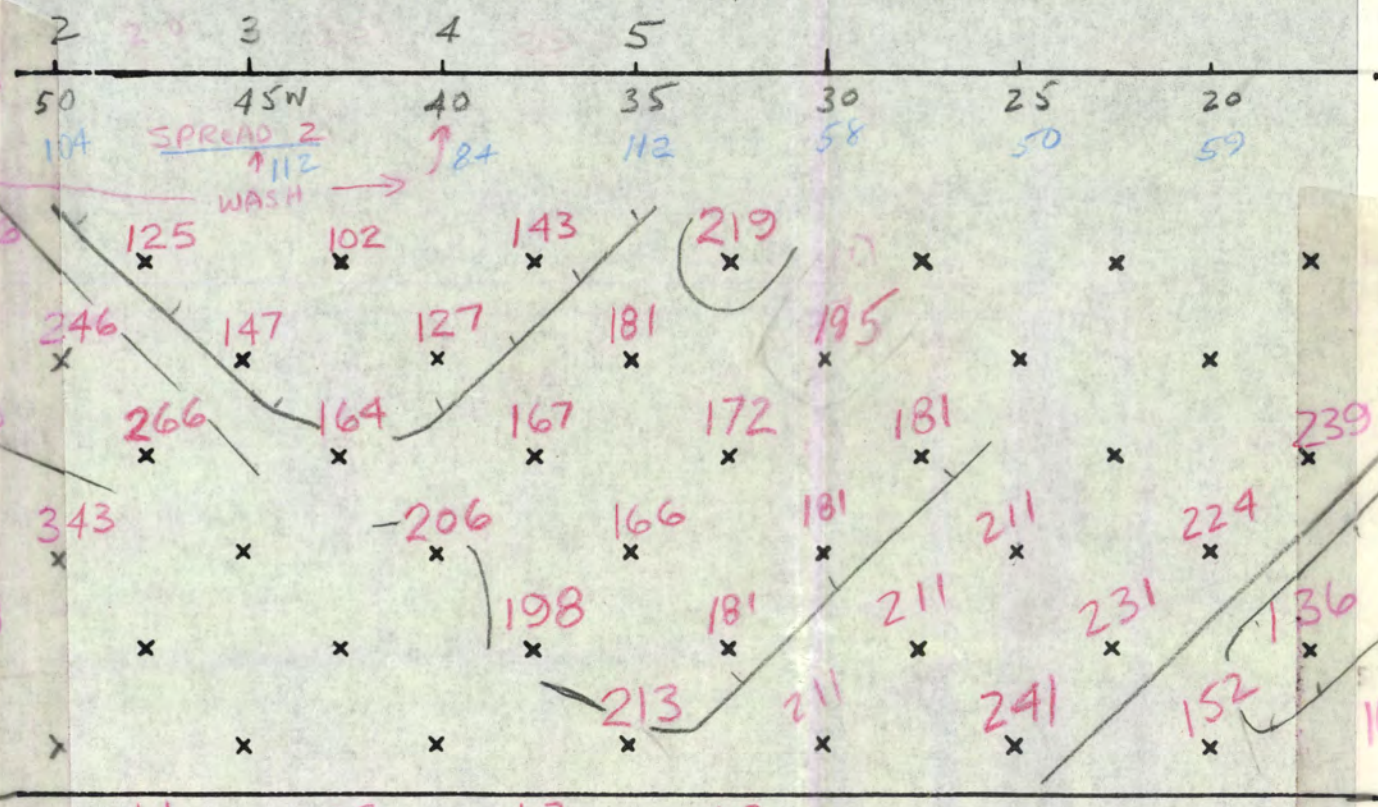


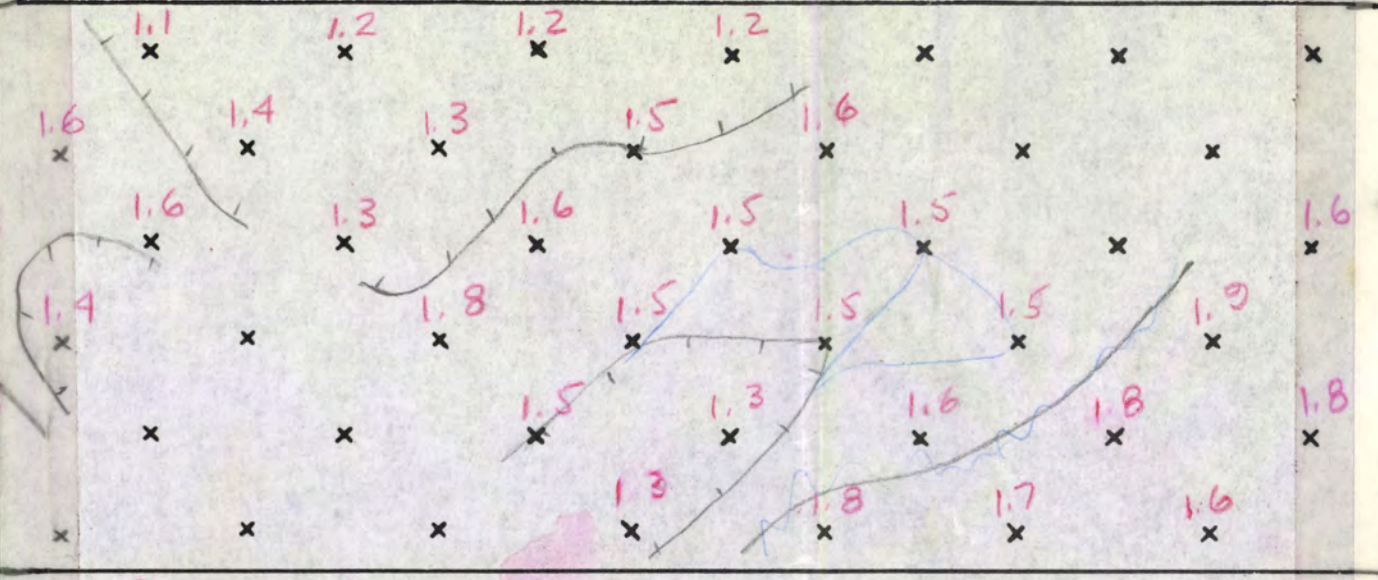


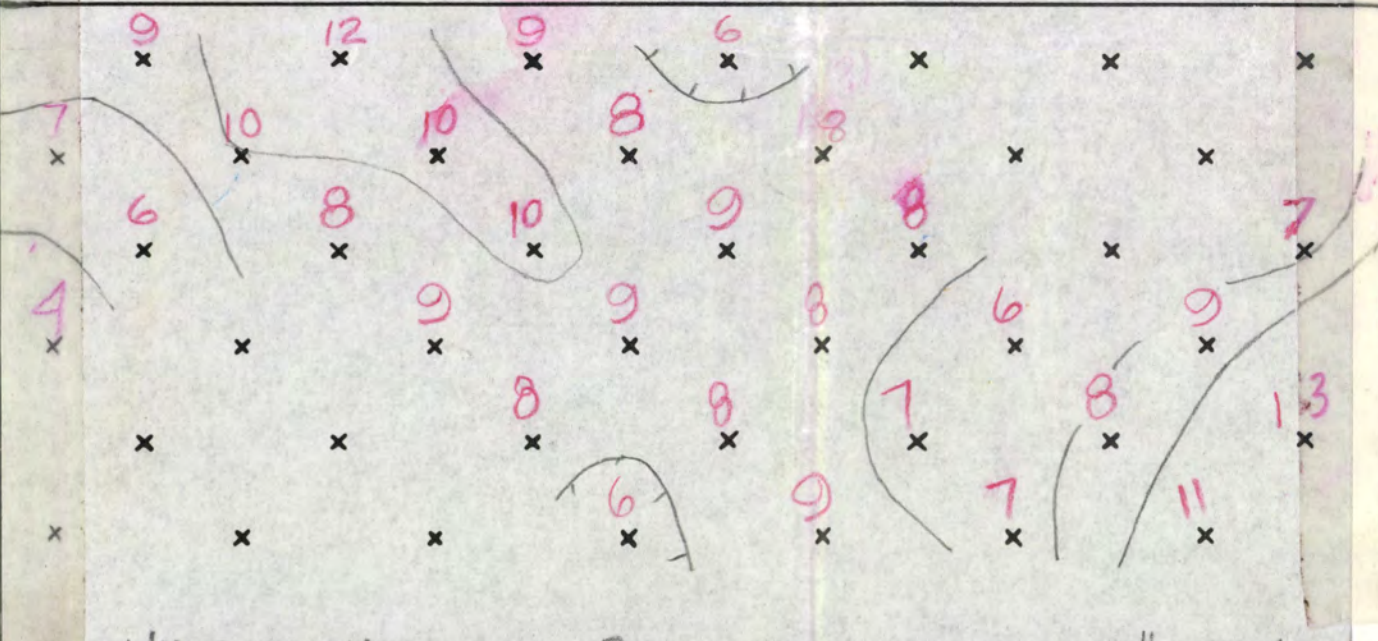
AREA VULTURE PEAK LINE 2 a = 500' SCALE: 1" = 500'

GENERAL GRANT

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOK

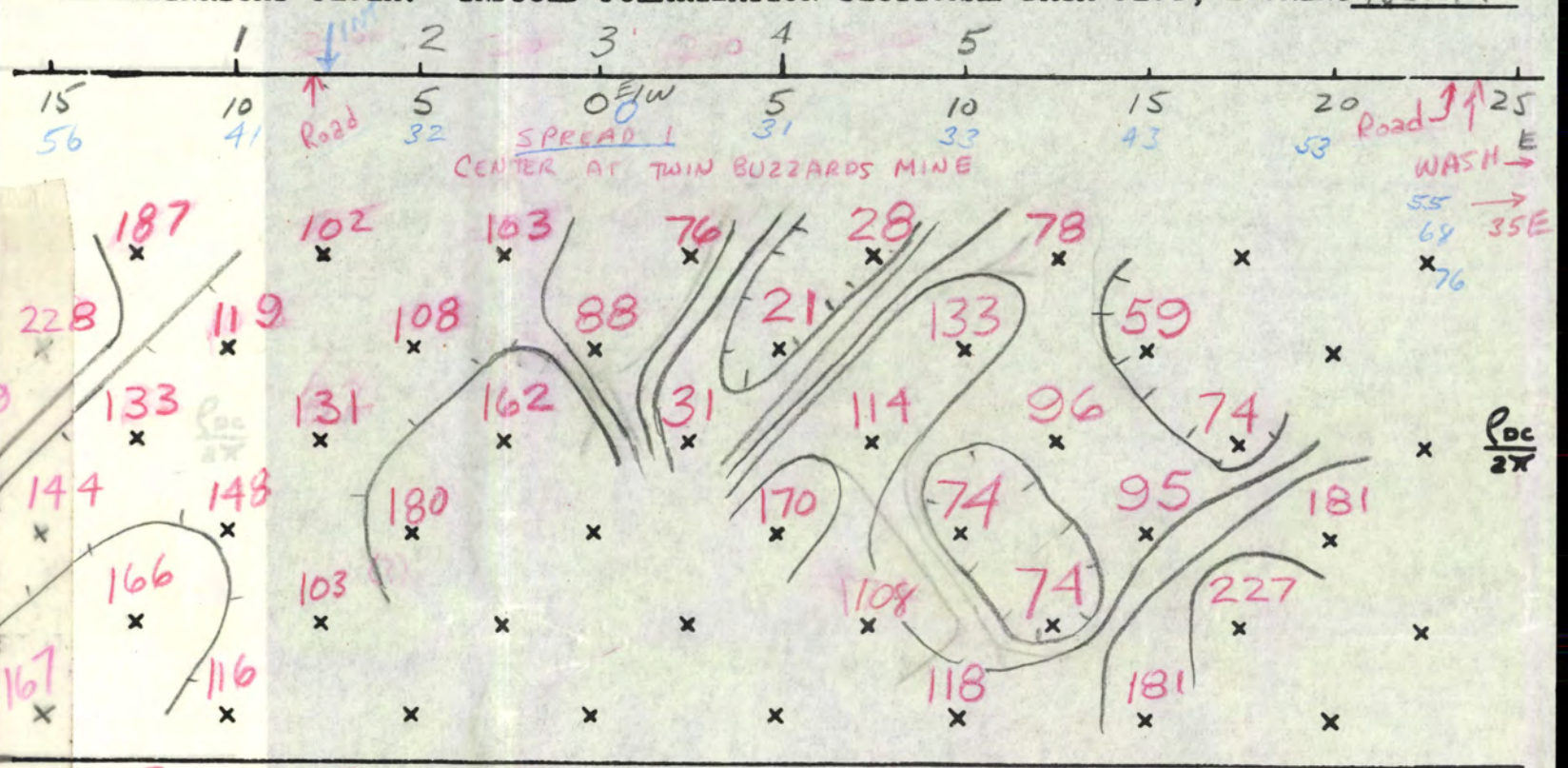


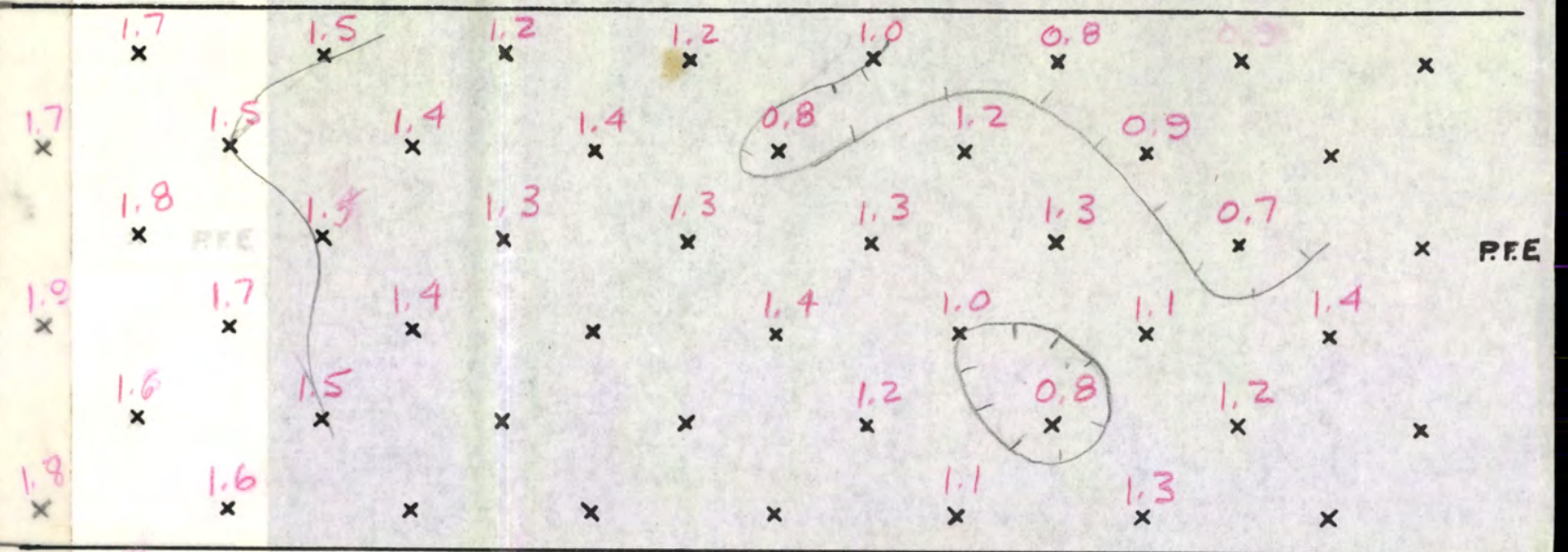


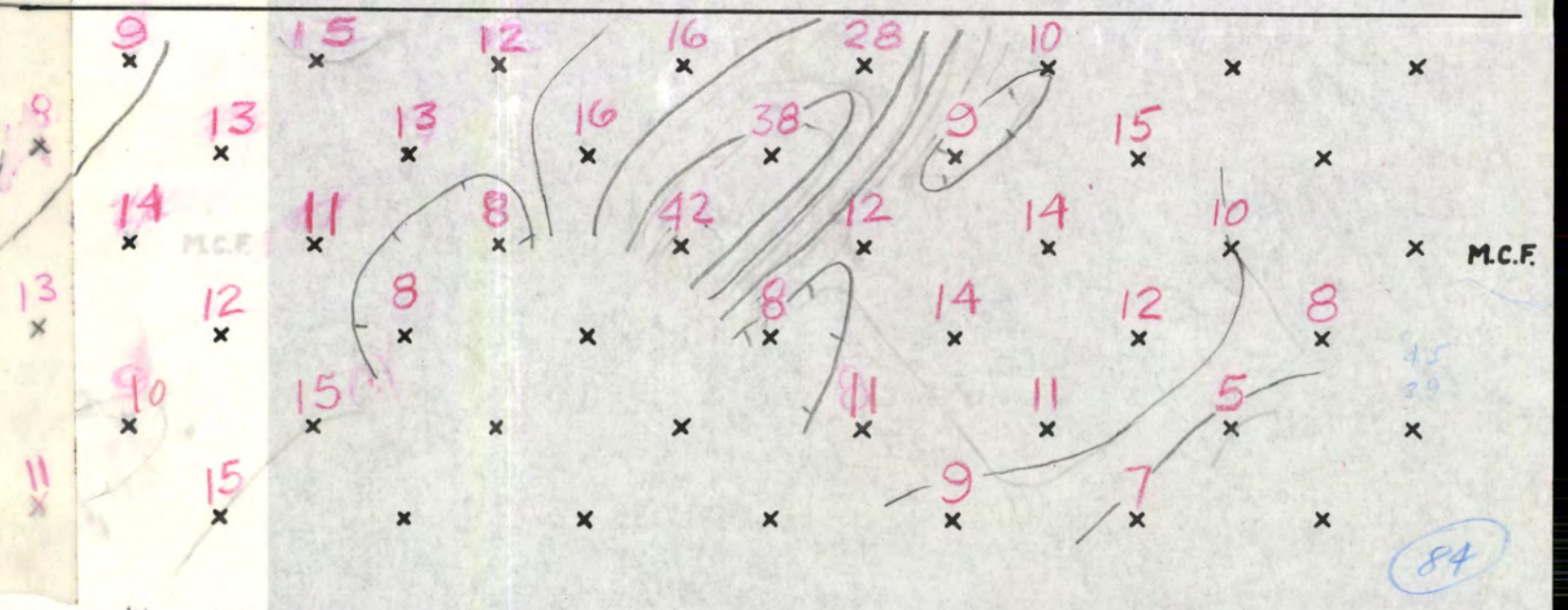


AREA VULTURE MTS. LINE 2 a = 500' SCALE: 1" = 500'

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING NORTH







AREA VULTURE MTS LINE 2 a = 500' SCALE: 1" = 500' DATE: 8-1-70

84

GEOCHEMICAL SURVEYS, INC.
2505 TURTLE CREEK BOULEVARD
DALLAS, TEXAS 75219

MAILING ADDRESS
P. O. BOX 19508

TELEPHONE
521-5145

June 11, 1970

HEINRICHS GEOEX
TUCSON, ARIZONA
REC'D JUN 13 1970
BOX 5964 TUCSON, ARIZONA 85703
Phone: (AREA 602) 623-0578

File
527

Mr. Don Cooley
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona

Dear Don:

Attached you will find the map sent to us by you with the proposed IP lines in the General Grant Area. You will see that I have added a few line miles.

I am sending also a topographic map covering a geochemical anomaly in Sections 25 and 26, T7N, R5W. We are checking the land situation at this time but we may desire IP here. One of our geologists, G. J. Lindenburg, is in this area now. I will let you know as soon as possible.

Covering the Perkins Prospect near Kingman, Arizona, I have attached a topographic map showing about four line miles for reconnaissance IP. A copy of Paul Gilmour's geological map is included for your assistance; I would like this returned upon completion of the work.

Please let me know when you can begin work on the above.

Sincerely,

GEOCHEMICAL SURVEYS, INC.

I. C. Stone

ICS:bkc

cc: G. J. Lindenburg

Enclosures

HEINRICHS GEOEXPLORATION COMPANY

806 WEST GRANT ROAD, TUCSON, ARIZONA, 85703. P.O. BOX 5671. PHONE: (AREA CODE 602) 623-0578

June 5, 1970

Dr. I.C. Stone
Geochemical Surveys
P.O. Box 19508
Dallas, Texas 75219

Dear Dr. Stone:

This is a report on work done at the request of Dr. I.C. Stone of Geochemical Surveys of Dallas, Texas, consisting of a reconnaissance geologic exploration of part V of the General Grant Area, (Vulture Mountains) Maricopa County, Arizona. The area covered is the western five sixths of T.6 N., R.5 W., with some overlap to the north, west and south of about a mile in each of those directions. The entire area is contained on the U.S.G.S. 15' Vulture Mountains Quadrangle, Arizona.

Three main divisions of rock types are present in the area. A Precambrian gneissic-schistose complex, a Tertiary volcanic series and a granite-monzonite that is probably younger than the gneiss and schist but older than the volcanics.

The gneissic-schist complex is probably the Yavapai Schist which is the host rock for the mineralization of the Vulture and other gold and silver mines in the vicinity. In the northeast part of this area and just east of the Vulture Peak - Caballeros Peaks range of hills, the complex has many younger dikes of volcanic material (some rhyolitic - some andesite) that have not been shown on the map. Some of the rocks in this complex are definitely schist, some gneiss and others a granite gneiss.

The Tertiary volcanics are tuffs, agglomerates, some flow material and numerous small dikes. Some of the volcanics are intrusive, but most appear to be caps over older rocks.

At most contacts between the volcanics and the granite-monzonite is a reddish breccia. This breccia looks like a soil profile that has been baked by the volcanics. It is somewhat stratified and contains only granitic or schist fragments. Some

detail work in the area may show sufficient correlation that this may be considered to be a good marker bed.

The monzonite has been postulated as Laramide in age but is quite speculative and not proven at this stage. This rock is a biotite rich monzonite mostly but in places is almost a granite. No petrographic work other than hand lens identification has been done. The rock generally has a granular weathered appearance and is mostly found in topographically low areas, the hills around are usually capped with volcanics. Some confusion may exist as this rock unit is very similar appearing to some of the units in the gnessic-schistose complex.

Virtually no evidence of sulfide mineralization was seen. Copper mineralization is quite widespread but is mostly chrysocolla with some malachite. The only gossan area seen was on the little hill near the center of Sec. 7 T.5 N. R.5 W. Although silicate copper mineralization is fairly widespread at no place does a concentration of economic consideration appear to exist. However, this copper may have come from a concealed ore body nearby, therefore a minimum broad and fairly deep reconnaissance I.P. program is recommended in selected areas. The I.P. should be run along existing roads, of which there are many that do not show on the map, to keep the I.P. as inexpensive as possible and still cover the ground. The proposed lines are shown on the accompanying map and I.P. survey proposal. If the copper at surface is derived from sulfides at depth this should help locate the source if it is a local one. The I.P. lines have been laid out to test the geochemical anomalies, and also to test the more potentially favorable geologic environments present. Some contingent leeway should be allowed for checking any observed anomalism or other areas that may show up.

The program as now outlined should require about ten working days for the I.P. crew. One or two days of my time would be required to orient them in the field and get them started on the project. The I.P. crew rate would be $380.00/field work day which includes all expenses and report. If you decide to proceed with the I.P. survey we will prepare a contract and submit it to you.

If there are any questions please call me.

Respectfully submitted,
HEINRICHS GEOEXPLORATION COMPANY

Enclosures
DBC/dm

Donald B. Cooley
Geologist HEINRICHS GEOEXPLORATION COMPANY

April 1, 1970

Pacific Region Engineer
U.S. Geological Survey
345 Middlefield Rd.
Menlo Park, Calif. 94025

Re: Job # 527 - 70

Attention: Moyle Stewart

Dear Mr. Stewart:

We would like to order the following aerial photographs and maps all within the State of Arizona.

Area 1

527-70

Enclosed are two prints of the Arizona topo-map, Vulture Mountains. We would like two copies of each of the photographs covering the area outlined on the map. We understand that this area is covered by the twin low - oblique series CJN at 1 : 20,000 scale.

Area 2

overhead Arizona North

We would like also complete stereo coverage with the most recent photographs available of a portion of the Arizona topo map, Bumblebee. Please provide us with one each of the photographs necessary to cover all of Township 8 North and Range 3 East and the east one half of Township 8 North and Range 2 East.

All photos in this order are to be printed on double weight, semi matte paper. Please make return shipment of photographs by airmail.

In addition, we would like to order two each of whatever advance sheets are available for the south one halfof the Bumblebee map. Please do not hold the shipment of the advance material for the completion of the photo order. We would appreciate it very much if you would put us on your quarterly advance materials mailing list.

When referring to this order please refer to our purchase order number # 1909.

If there is any need for further correspondence regarding this order, please contact me personally.

Very truly yours,
HEINRICHS GEOEXPLORATION COMPANY

G.L. Hix
Air Mag Division

Enclosures:

GLH/re:

27-70

GEOCHEMICAL SURVEYS, INC.
2505 TURTLE CREEK BOULEVARD
DALLAS, TEXAS 75219

MAILING ADDRESS
P. O. BOX 19508

TELEPHONE
521-5145

April 9, 1970

DBC

Mr. Don Cooley
Heinrichs Geoexploration Co.
Post Office Box 5671
Tucson, Arizona 85703

Dear Don:

I received your letter regarding your plans for work in the General Grant Project Area. Your outline of work is completely satisfactory.

Attached you will find a reconnaissance geological map of our Twin Peaks and Mill Prospect Areas prepared by Dr. R. A. Zeller.

Sincerely,

GEOCHEMICAL SURVEYS, INC.

I. C. Stone

ICS:bkc

Attachment

527-70

DBC

GEOCHEMICAL SURVEYS, INC.

2505 TURTLE CREEK BOULEVARD
DALLAS, TEXAS 75219

MAILING ADDRESS
P. O. BOX 19508

TELEPHONE
521-5145

April 3, 1970

HEINRICHS GEOEX
Cable: GEOEX
RECD APR 7 1970 RECD
BOX 5964 TUCSON, ARIZONA 85703
Phone: (AREA 602) 623-0578

Mr. Don Cooley
Heinrichs Geoexploration Company
P. O. Box 5671
Tucson, Arizona 85703

Dear Don:

Attached are a copy of a reconnaissance geological report and appropriate geochemical maps.

Sincerely,

GEOCHEMICAL SURVEYS, INC.

I. C. Stone

I. C. Stone

ICS:bkc

Attachment

Don:
Maps coming in Fedex under separate cover.
I.C. Stone

HEINRICHS GEOEX
Cable: GEOEX
RECD APR 8 1970 RECD
BOX 5964 TUCSON, ARIZONA 85703
Phone: (AREA 602) 623-0578