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1 2 3 4 5
10 .5 0 .5 1.0

PAGE 1

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE 1 HALF E SP. 1 DATE 21 Jul

SEND	1-2	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	0-.5E	.5-1.0E	→	CAL	1.0-1.5	→	→	1.5-2.0	→	→
RANGE	300	300	100	100	300	100	30	300	100	30
DC 1 PFE	1.0	1.0	0.9	-0.6	1.0	0.4	0.6	0.8	0.6	0.6
DC 2										
DC 3	101	151	190		136	128	151	181	133	132
DC 4 kn	1.5	1.5	6		1.5	6	15	1.5	6	15
DC 5 Fa	4	→	→	→	→	→	~~2~~ 230	~~2~~	4	→
DC 6 Ma	153	230	290	1.015	207	194	~~100~~	276	202	233
DC 7 PFE	1.6	1.7	1.5		1.7	1.0	1.2	1.4	1.2	1.2
DC 8 MCF	10	7	5		8	5	5	5	6	5
DC AVG.	403	604	190.5	196.9	544	127.7	60.4	363	132.8	61.1
AC 1	.745	.497	.525	.508	.551	.783	.497	.827	.753	.491
AC 2	0.0	-0.2	0.0	0.0	-0.2	0.0	0.0	-0.1	0.0	0.0
AC AVG.										
S.P.										
AC NOISE										
POT RES.	2.5K	6K			6K			4.5K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE I HALF E SP. 1 DATE 21 Jul

	1	2	3	4	5	6	7	8	9	
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	
RECEIVE	1.5-2.0	2.0-2.5	→	→	→	2.5-3.0	→	→	→	
RANGE	30	100	30	30	10	30	30	10	10	
DC 1	0.2	0.9	0.9	0.3	0.3	1.1	1.0	1.0	0.9	
DC 2										
DC 3	170	320	187	157	182	306	173	160	174	
DC 4 Kh	30	6	15	30	52.5	15	30	52.5	84	
DC 5 I	4	2	4	→	4	2	4	→	2	
DC 6 Pai	234	486	284	238	277	466	263	228	265	
DC 7 PFE	0.8	1.5	1.5	0.9	1.0	1.6	1.6	1.5	1.4	
DC 8 MCP	3	3	5	4	4	3	6	7	5	
DC AVG.	30.8	159.5	74.6	31.5	20.8	61.2	34.6	17.09	12.42	
AC 1	.973	.627	.402	.952	.481	.490	.868	.585	.805	
AC 2	0.0	0.0	0.0	0.0	-0.2	+0.2	0.0	+0.2	+0.2	
AC AVG.										
S.P.										
AC NOISE										
POT RES.		15K				20K				

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE I HALF W SP. 1 DATE 22 Jul

SEND	4-5	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	0-.5W	.5-1.0	→	CAL	1.0-1.5	→	→	1.5-2.0	→	→
RANGE	300									
DC 1	0.8									
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.	463									
AC 1	.648									
AC 2	-0.1									
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

Only One repeat station today. The owner of the claims on Section 22 (Hafen Leavitt) impounded our truck and ran us into the sheriff's office.

(NO CALIBRATION)

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Coyote Springs

LINE I HALF W SP. I DATE 22Jul

PAGE 4

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	
RECEIVE	1.5-2.0	2.0-2.5				2.5-3.0				
RANGE										
DC 1										
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1										
AC 2										
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

Sorry

1 2 3 4 5 6
4 5 0 1 1 1 1 E

PAGE 1

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Coyote Springs

LINE I HALF E SP. 1 DATE 21 Jul

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-.5E	.5-1.0E	→	1.0-1.5E	→	→	1.5-2.0	→	→	→
RANGE	4B	4B	4B	4B	4B	4B	4B	4B	4B	4B
VOLTAGE	300	220	300	355	220	295	320	350	220	290
CURRENT	4A	4A	4A	4A	4A	4	2	4	4	4
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	
RECEIVE	2.0-2.5	→	→	→	2.5-3.0	→	→	→	CAL	
RANGE	2B	4B	4B	4B	2B	4B	4B	4B	2B	
VOLTAGE	300	350	220	290	310	350	220	290	300	
CURRENT	2	4	4	4	2	4	4	4	2	

FREQUENCIES 0.3 3.0

SENDER NO. 9662-S

OPERATOR John McClure

RECEIVER NO. Geo-Science

OPERATOR Tom Freeman

COMMENTS:

1-2 4B - 4 amps
2-3 4B - 4 amps
3-4 4B - 4 amps
4-5 4B - 2

W 1 2 3 4 5 E
1.0 .5 0 .5 1.0

PAGE 2

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Coyote Springs
LINE I HALF W SP. 1 DATE 22 Jul

SEND	4-5	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	0-.5w	.5-1.0w	→	CAL	1.0-1.5	→		1.5-2.0	→	
RANGE	300x10	300x10								
VOLTAGE	430									
CURRENT	3.0	3.0								
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	
RECEIVE	1.5-2.0	2.0-2.5	→			2.5-3.0	→			
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 0.3 3.0
SENDER NO. 9662-S
OPERATOR John McClure
RECEIVER NO. Geo-Science
OPERATOR Tom Freeman

COMMENTS:

W 1 2 3 4 5
1.0 .5 0 .5 1.0 E

PAGE 1

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE 11 HALF W SP. 1 DATE 24 Jul

SEND	4-5	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	0-.5W	.5-1.0W	→	CAL	1.0-1.5W	→	→	1.5-2.0	→	→
RANGE	100	30	10	30	100	30	10	100	30	10
DC 1 PFE	0.8	0.6	0.6	-0.2	1.2	0.8	0.6	0.9	1.1	1.0
DC 2										
DC 3 CORRECTED PFE	1.0	0.8	0.9		1.1	1.0	0.9	1.2	1.3	1.3
DC 4 Ea	3	→	→		2	3	→	2	→	3
DC 5 Kn	1.5	1.5	6		1.5	6	15	1.5	6	15
DC 6 Pa	151	49	74		202	124	170	252	332	229
DC 7 MEF	7	16	12		5	8	5	5	4	6
DC 8										
DC AVG.	295	95.8	36.0	97.4	262	60.4	33.1	328	107.9	44.6
AC 1	.339	.313	.278	.308	.381	.497	.302	.305	.278	.224
AC 2	0.0	0.0	-0.2	0.0	+0.6	0.0	-0.2	-0.2	0.0	-0.2
AC AVG.										
S.P.										
AC NOISE										
POT RES.	8K	6.5K			15K			5.5K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE II HALF W SP. I DATE 24 Jul

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	
RECEIVE	1.5-2.0	2.0-2.5	→	→	→	2.5-3.0	→	→	→	
RANGE	10	30	10	10	10	10	10	3	3	
DC 1 PFE	0.6	0.5	0.6	0.6	0.4	0.4	-0.7	2.0	1.1	
DC 2										
DC 3 CORRECTED PFE	0.9	0.7	0.8	0.8	0.6	0.5	-0.5	1.9	1.1	
DC 4 I	3	2 →		3	→	2 →		3	→	
DC 5 Kn	30	6	15	30	52.5	15	30	52.5	84	
DC 6 ρa	284	172	231	197	246	129	175	168	205	
DC 7 MCF	3	4	3	4	2	4	-3	11	5	
DC 8										
DC AVG.	27.7	55.8	30.0	19.23	13.70	16.72	11.38	9.38	7.14	
AC 1	.361	.538	.333	.520	.730	.598	.879	.320	.420	
AC 2	-0.2	0.0	0.0	0.0	0.0	+0.2	0.0	+0.6	+0.4	
AC AVG.										
S.P.										
AC NOISE										
POT RES.		6K				6K				

Calibrate first data for Calibration on page 4

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Coyote Springs

LINE II HALF E SP. 1 DATE 24 Jul

PAGE 3

	n=1	n=2	n=3							
SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	1.0-1.5E	→	→	1.5-2.0E	→	→	→	2.0-7.5	→	→
RANGE	100	30	3	100	30	10	3	30	30	10
DC 1 PFE	0.8	0.4	0.6	0.0	0.3	0.2	0.0	0.7	0.6	0.2
DC 2		Double checked								
DC 3 CORREC PFE	1.0	-0.2	0.8	+0.2	0.5	0.3	0.2	1.0	0.8	0.3
DC 4 I	3	2	→	3	→	2	→	3	→	2
DC 5 Kn	1.5	6	15	1.5 6	6	15	30	6	15	30
DC 6 Pc	1.3	115	70	92	116	120	86	152	198	211
DC 7 MCF	8	-2	11	2	4	3	2	7	4	1
DC 8										
DC AVG.	237	37.4	9.09	180.2	56.6	15.60	5.61	74.4	38.7	13.74
AC 1	.422	.802	.330	.555	.530	.641	.535	.403	.776	.728
AC 2	0.0	0.0	0.0	0.0	0.0	+0.2	0.0	-0.2	0.0	+0.2
AC AVG.										
S.P.										
AC NOISE										
POT RES.	4K			2.5K			3K	3K		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE II HALF E SP. 1 DATE 24 Jul

SEND	1-2	4-5	3-4	2-3	1-2	4-5	4-5	3-4	2-3	
RECEIVE	2.0-2.5	2.5-3.0	→	→	→	CAL	3.0-3.5	→	→	
RANGE	3	10	10	3	1	30	10	10	3	
DC 1	0.8	0.8	1.0	0.9	2.2	-0.2	1.2	1.3	2.1	
DC 2										
DC 3 CORRECTED PFE	1.0	1.0	1.1	1.1	2.1		1.3	1.6	2.3	
DC 4 I	2	3 →	→	2 →	→		3 →	→	2	
DC 5 Kn	~~30~~ 52.5	~~15~~ 15	~~30~~ 15	~~52.5~~ 30	84.0		15	30	52.5	
DC 6 ρa	160	152	194	205	159					
DC 7 MCF	6	7	6	5	13					
DC 8										
DC AVG.	5.94	29.7	18.94	7.63	3.70	97.7	29.2	20.2	8.65	
AC 1	.505	.337	.528	.393	.270	.307	.342	.496	.347	
AC 2	0.0	0.0	0.2	0.0	0.6	0.0	0.2	-0.2	0.0	
AC AVG.										
S.P.										
AC NOISE										
POT RES.		7K					65K			

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Coyote Springs

LINE II HALF N SP. 1 DATE 7-24

PAGE 1

SEND	4-5	3-4	4-5	CAL	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	0-.5W	.5-1.0 W →		1-2	1.0-1.5W →		←	1.5-2.0W		
RANGE	300X10	300X10	300X10	100X10	200X10	300X10	300X10	200X10	200X10	300X10
VOLTAGE	630	750	630	470	710*	750	630	850	840	750
CURRENT	3.0	3.0	3.0	1.0	2.0	3.0	3.0	2.0	2.0	3.0
SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	
RECEIVE	1.5-2.0 →	2.0-2.5 W			→	2.5-3.0 W			→	
RANGE	300X10	200X10	200X10	300X10	300X10	200X10	200X10	300X10	300X10	
VOLTAGE	620	810	790	740	620	780-840	840	740	620	
CURRENT	3.0	2.0	2.0	3.0	3.0	2.0	2.0	3.0	3.0	

FREQUENCIES 0.3 3.0

SENDER NO. 6644-S

OPERATOR Wheatley

RECEIVER NO. Geo Science

OPERATOR Freeman, Tom

COMMENTS: * WENT FROM 710V to 770V while sending

1-2 - 2.0
2-3 - 2.0
3-4 - 3.0
4-5 - 3.0

ALL ARE IN LOW MODE

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Coyote Springs

LINE II HALF E SP. 1 DATE 7-24

PAGE 2

SEND	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	1.0-1.5 E →			1.5-2.0 E →				2.0-2.5 →		
RANGE	300X10	200X10	200X10	300X10	300X10	200X10	200X10	300X10	300X10	200X10
VOLTAGE	730	820	820	600	730	800	820	600	730	810
CURRENT	3.0	2.0	2.0	3.0	3.0	2.0	2.0	3.0	30	2.0
SEND	1-2	4-5	3-4	2-3	1-2	CAL	4-5	3-4	2-3	
RECEIVE	2.0-2.5 →	2.5-3.0 E →				4-5	3.0-3.5 E →			
RANGE	200X10	300X10	300X10	200X10	200X10	100X10	300X10	300X10	200X10	
VOLTAGE	820	600	730	810	820	260	600	720	800	
CURRENT	2.0	3.0	3.0	2.0	2.0	1.0	3.0	3.0	2.0	

FREQUENCIES 0.3 3.0

SENDER NO. 6644-S

OPERATOR Wheatley

RECEIVER NO. Geo Science

OPERATOR Freeman, Tom

COMMENTS:

W 1 2 3 4 5 6 E
1.0 .5 0 .5 1.0 1.5

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE III HALF E SP. 1 DATE 28 Jul

SEND	4-5	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	CAL	0-.5 E	.5-1.0 E	→	1.0-1.5 E	→	→	1.5-2.0 E	→	→
RANGE	30	100	100	30	100	30	10	100	30	10
DC 1	-0.2	1.0	0.2	0.7	0.7	0.3	0.2	0.6	0.8	0.7
DC 2 kn		1.5	1.5	6	1.5	6	15	1.5	6	15
DC 3 I	1.0	3.0	→	→	→	→	→	→	→	→
DC 4										
DC 5 Ra	1.0133									
DC 6 PFE	+0.2	1.2	0.5	0.9	0.9	0.5	0.5	0.8	1.0	0.9
DC 7 MCF		11	6	8	9	6	5	8	7	8
DC 8 Ra		111	82	113	96	80	94	100	146	115
DC AVG.		220	161	55.9	189	39.4	18.5	198	72.2	22.6
AC 1	.304	.454	.620	.537	.529	.761	.542	.504	.415	.443
AC 2	0.0	0.0	-0.2	0.0	0.0	0.0	-0.2	0.0	0.0	0.0
AC AVG.										
S.P.										
AC NOISE										
POT RES.		5 k	8 k		4.5 k			6 k		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE III HALF E SP. I DATE 28 Jul

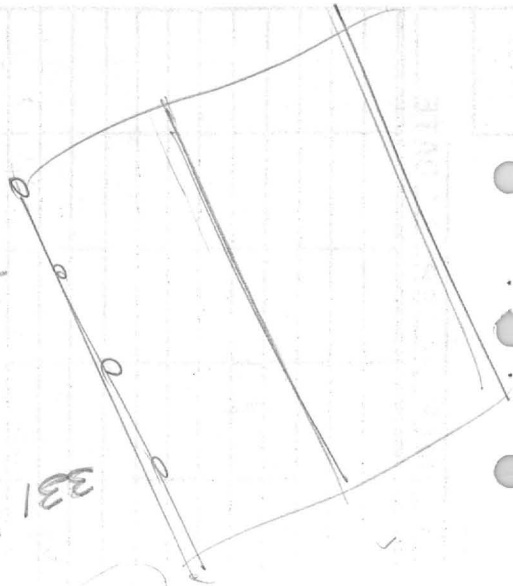
SEND	1-2	5-6	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3
RECEIVE	1.5-2.0	2.0-2.5	→	→	→	→	2.5-3.0	→	→	→
RANGE	10	100	30	30	10	3	30	10	10	10
DC 1	0.2	0.7	0.7	0.6	0.4	0.4	0.6	0.8	1.0	0.7
DC 2 ka	30	61.5	~~15~~ 6	~~30~~ 15	~~52~~ 30	~~84~~ 52.5	~~15~~ 6	~~30~~ 15	~~52.5~~ 30	~~84~~ 52.5
DC 3 I	3.0	→	→	→	→	→	→	→	→	→
DC 4										
DC 5 Pa		88	130	206	159	188	143	209	329	246
DC 6 PFE	0.4	0.8	0.8	0.8	0.6	0.7	0.8	1.0	1.2	0.9
DC 7 MCF	3	~~2~~ 8	~~2~~ 7	~~2~~ 4	~~2~~ 4	~~2~~ 3	~~2~~ 6	~~2~~ 5	~~2~~ 4	~~2~~ 4
DC 8 Pa	130	~~353~~	~~325~~	~~412~~	~~278~~	~~301~~	~~358~~	~~417~~	~~576~~	~~394~~
DC AVG.	12.8	~~17.4~~	~~64.1~~	~~40.7~~	~~15.7~~	~~10.6~~	~~70.6~~	~~41.2~~	~~32.5~~	~~13.9~~ ok
AC 1	.780	.576	.468	.738	.637	.284	.425	.243	.308	.718
AC 2	0.0	0.2	0.2	0.0	0.0	-0.2	0.0	0.0	0.0	0.0
AC AVG.										
S.P.										
AC NOISE										
POT RES.		2k					8k			

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE III HALF E SP. 1 DATE 28 Jul

SEND	1-2	5-6	4-5	3-4	2-3					
RECEIVE	2.5-3.0	3.0-3.5	→	→	→					
RANGE	3	10	10	10	3					
DC 1	1.3	0.6	1.0	0.8	1.0					
DC 2 kn	84	~~30~~ 15	~~30~~ 5 ~~2.5~~	~~84~~ 525	84					
DC 3 I	3.0	→	→	→	→					
DC 4										
DC 5 Ωa	287	~~221~~ 135	198	330	261					
DC 6 PFE	1.5	0.8	~~1.2~~ 1.1	~~1.2~~ 1.1	1.3					
DC 7 MCE	5	6	6	3	5					
DC 8 Ωa		~~271~~	~~346~~	~~528~~						
DC AVG.	10.1	26.7	19.5	18.6	9.20					
AC 1	.298	.375	.512	.537	.326					
AC 2	0.0	0.0	0.2	-0.2	-0.2					
AC AVG.										
S.P.										
AC NOISE										
POT RES.		10K								

885
12
1770
885
20
885
52



331.00

39

845
4

390.00

429.00

316.59

322.19

390

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE III HALF W SP. 1 DATE 28 Jul

SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	5-6
RECEIVE	CAL	1.0-1.5W	→	→	→	1.5-2.0	→	→	→	→
RANGE	30	100	30	10	3	100	30	10	10	3
DC 1	-0.2	1.1	1.0	1.0	1.1	0.7	0.7	0.9	0.1	1.1
DC 2 kn		1.5	6	15	30	1.5	6	15	30	52.5
DC 3 I	1.0	3.0	→	→	→	→	→	→	→	→
DC 4										
DC 5 Pa	1.02									
DC 6 PFE	+0.2	1.3	1.3	1.2	1.3	1.0	0.9	1.2	0.4	1.2
DC 7 MCF		7	7	7	10	6	6	5	2	9
DC 8 Pa	Pa	178	197	166	124	161	160	219	183	139
DC AVG.	98.03	351	97.4	32.7	12.2	318	78.9	43.3	18.1	7.81
AC 1	.306	.285	.308	.306	.245	.314	.380	.231	.554	.384
AC 2	-0.1	0.0	-0.2	0.0	0.0	-0.2	-0.1	-0.2	-0.2	0.2
AC AVG.										
S.P.										
AC NOISE										
POT RES.		8k				9.5k				

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE III HALF W SP. 1 DATE 28 Jul

SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	
RECEIVE	2.0-2.5	→	→	→	→	2.5-3.0	→	→	→	
RANGE	30	10	10	10	3	10	10	10	3	
DC 1	0.9	1.0	0.8	0.2	1.0	1.1	0.9	1.0	1.4	
DC 2 km	6	15	30	52.5	84	15	30	52.5	84	
DC 3 I	3.0	→	→	→	→	→	→	→	→	
DC 4										
DC 5 Pa										
DC 6 PFE	1.1	1.2	1.1	0.4	1.0	1.2	1.1	1.1	1.6	
DC 7 MCF	8	9	5	2	7	7	6	4	7	
DC 8 Pa	135	138	216	179	137	177	174	275	229	
DC AVG.	66.5	27.2	21.2	10.1	4.82	35.0	17.2	15.5	8.06	
AC 1	.451	.368	.470	.988	.622	.286	.582	.646	.372	
AC 2	0.0	0.0	-0.2	0.0	0.4	0.2	0.0	0.2	0.0	
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Coyote Springs

LINE III HALF E SP. 1 DATE 7-28

PAGE 1

SEND	4-5	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	CAL	0-.5E	.5-1.0E →		1.0-1.5 →			1.5-2.0		
RANGE	100X10	300X10								
VOLTAGE	130	470	530	470	400	530	470	300	400	530
CURRENT	1.0	3.0								
SEND	1-2	5-6	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3
RECEIVE	1.5-2.0	2.0-2.5				→	2.5-3.0			
RANGE	300X10									
VOLTAGE	470	460	300	400	530	470	460	300	400	530
CURRENT	3.0									

FREQUENCIES 0.3 3.0

SENDER NO. 6644-5

OPERATOR McClure

RECEIVER NO. Geo Science

OPERATOR T. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Coyote Springs

LINE III HALF E SP. 1 DATE 7-28

PAGE 2

SEND	1-2	5-6	4-5	3-4	2-3					
RECEIVE	2.5-3.0	3.0-3.5	→	→	→					
RANGE	300X10	→	→	→	→					
VOLTAGE	470	460	300	400	530					
CURRENT	3.0	→	→	→	→					
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 0.3 3.0

SENDER NO. 6644-5

OPERATOR McClure

RECEIVER NO. GeoScience

OPERATOR T. Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Coyote Springs
LINE TL HALF W SP. 1 DATE 7-28

SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	5-6
RECEIVE	CAL	1.0-1.5 W	→			1.5-2.0	→			
RANGE	100X10	300X10								
VOLTAGE	340	520	390	300	460	470	520	390	300	460
CURRENT	1.0	3.0								
SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	
RECEIVE	2.0	-2.5	→			2.5	-3.0	→		
RANGE	300X10									
VOLTAGE	470	520	390	300	450	460	520	390	300	
CURRENT	3.0									

FREQUENCIES 0.3 3.0
SENDER NO. 6644-5
OPERATOR McClure
RECEIVER NO. Geo Science
OPERATOR T. Freeman

COMMENTS:

(+0.5)

PAGE 1

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Coyote Springs

*over LINE IV HALF W SP. ____ DATE 20 Jul

SEND	1-2	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	Cal.	0-.5w	.5-1.0w	→	1.0-1.5	→	→	1.5-2.0	→	→
RANGE	30	100	100	30	100	30	30	100	30	10
DC 1 PFE	-0.4	-0.2	0.8	0.7	0.9	1.2	0.8	2.9	1.4	1.6
DC 2										
DC 3		0.6	1.4	1.25	1.4	1.6	1.1	3.4	1.9	2.1
DC 4 I	1	2	→	→	→	→	→	→	→	→
DC 5 kn		1.5	1.5	6	1.5	6	15	1.5	6	15
DC 6 la		120	215	193	227	306	257	267	172	217
DC 7 PFE		0.6	1.4	1.7	1.4	1.6	1.1	3.4	1.9	2.1
DC 8 MCF		5	7	9	6	5	4	13	11	10
DC AVG.	99.0	158.7	284	63.7	300	101.0	33.9	353	56.9	28.7
AC 1 DIVISOR	.303	.630	.352	.471	.333	.297	.885	.283	.527	.349
AC 2	-0.2	-0.6	-0.3	-1.0 *	0.0	+0.2	+0.2	0.0	0.0	0.0
AC AVG.										
S.P.										
AC NOISE										
POT RES.			7KΩ		6KΩ			8KΩ		

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE IV HALF W SP. 1 DATE 20 Jul

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	
RECEIVE	1.5-2.0	2.0-2.5	→	→	→	2.5-3.0	→	→	→	
RANGE	10	30	10	10	3	30	10	10	3	
DC 1	0.9	1.7	0.4	0.4	1.9	1.5	0.4	0.0	1.9	
DC 2										
DC 3										
DC 4 I	2.0	→	→	→	→	→	→	→	→	
DC 5 kn	30	6	15	30	52.5	15	30	52.5	84	
DC 6 ρa	202	306	152	230	228	437	210	313	308	
DC 7 PFE	1.4	2.3	1.0	0.9	2.4	2.2	0.9	0.4	2.3	
DC 8 MCF	7	8	7	4	11	5	4	1	7	
DC AVG.	13.33	101.0	20.0	15.17	8.60	57.7	13.85	11.82	7.26	
AC 1	.750	.297	.500	.659	.349	.520	.722	.846	.413	
AC 2	0.0	-0.3	-0.2	0.0	0.0	-0.4	0.0	+0.3	+0.2	
AC AVG.										
S.P.										
AC NOISE										
POT RES.		13-kΩ			13K	13K				

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Coyote Springs
LINE ~~IX~~ HALF E SP. 1 DATE 20 Jul

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	CAL	1.0-1.5E	→	→	1.5-2.0	→	→	→	2.0-2.5	→
RANGE	30	100	30	30	100	30	10	10	30	10
DC 1 PFE	-0.4	0.8	0.6	0.8	0.8	1.0	0.9	1.1	0.9	1.4
DC 2										
DC 3										
DC 4 I	1	2.0								→
DC 5 Kn	~~15~~	~~15~~ 1.5	~~15~~ 6	~~15~~ 15	~~15~~ 1.5	~~15~~ 6	~~15~~ 15	~~15~~ 30	~~15~~ 6	~~15~~ 15
DC 6 Pa		~~77~~ 160	157	256	123	156	148	321	182	321
DC 7 PFE		1.2	1.0	1.2	1.2	1.5	1.3	1.5	1.3	1.6
DC 8 MCF		8	6	5	10	10	9	5	7	5
DC AVG.	99.0	211	51.7	33.8	162.3	51.5	19.57	21.2	60.0	42.4
AC 1	.303	.475	.580	.888	.616	.583	.511	.471	.500	.236
AC 2	-0.1	0.0	0.0	0.0	-0.1	-0.2	0.0	0.0	0.0	+0.4
AC AVG.										
S.P.										
AC NOISE										
POT RES.		8KΩ			6KΩ				7KΩ	

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Coyote Springs

LINE IV HALF E SP. 1 DATE 20 Jul

SEND	2-3	1-2	4-5	3-4	2-3	1-2				
RECEIVE	2.0-2.5	→	2.5-3.0	→	→	→				
RANGE	10	10	10	10	3	3				
DC 1 PFE	0.2	1.4	1.4	1.2	1.3	1.8				
DC 2										
DC 3										
DC 4 I	2.0	→	→	→	→	→	→	→	→	→
DC 5 kn	~~30~~ 30	~~6~~ 52.5	~~18~~ 15	~~30~~ 30	52.5	84				
DC 6 ρa	210	395	215	257	239	479				
DC 7 PFE	0.6	1.7	1.7	1.5	1.6	2.4				
DC 8 MCF	3	4	8	6	7	5				
DC AVG.	13.83	14.90	28.4	16.95	9.01	11.24				
AC 1	.723	.671	.352	.590	.333	.267				
AC 2	0.0	+0.3	+0.2	+0.2	+0.3	-0.4				
AC AVG.										
S.P.										
AC NOISE										
POT RES.			6k Ω							

HEINRICHS GEOEXPLORATION CO.

I. P. ~~SENDER NOTES~~

PROJECT Coyote Springs

LINE IV HALF W SP. 1 DATE 8-20

PAGE 1

SEND	1-2	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4
RECEIVE	CAL	0-.5W →	.5-	1.0 →	1.0	1.5	→	1.5	2.0	—
RANGE	2C	2C	2C	4C	2C	4C	4C	4B	4B	4C
VOLTAGE	210	220	260	220	280	260	220	350	280	250
CURRENT	1.0	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	
RECEIVE	1.5-2.0 →	2.0	-2.5	→		2.5	-3.0	→		
RANGE	4C	4B	4C	4C	4C	4B	4C	4C	4C	
VOLTAGE	220	350	280	250	220	350	280	250	220	
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	

FREQUENCIES 0.3 3.0

SENDER NO. 9662-5

OPERATOR Wheatley

RECEIVER NO. Geo-Science

OPERATOR Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT COYOTE SPR. PAGE 2

LINE W HALF E SP. 1 DATE 8-20

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	CAL	1.0	-1.5 →		1.5	-2.0	→		2.0	-2.5
RANGE	2B	4B	4B	4B	4B	4B	4B	4B	4B	4B
VOLTAGE	240	250	270	340	210	250	270	340	210	240
CURRENT	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	2-3	1-2	4-5	3-4	2-3	1-2				
RECEIVE	2.0	-2.5 →	2.5	-3.0	→					
RANGE	4B	4B	4B	4B	4B	4B				
VOLTAGE	260	340	210	240	260	340				
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0				

FREQUENCIES 0.3 3.0

SENDER NO. 9662-S

OPERATOR Wheatley

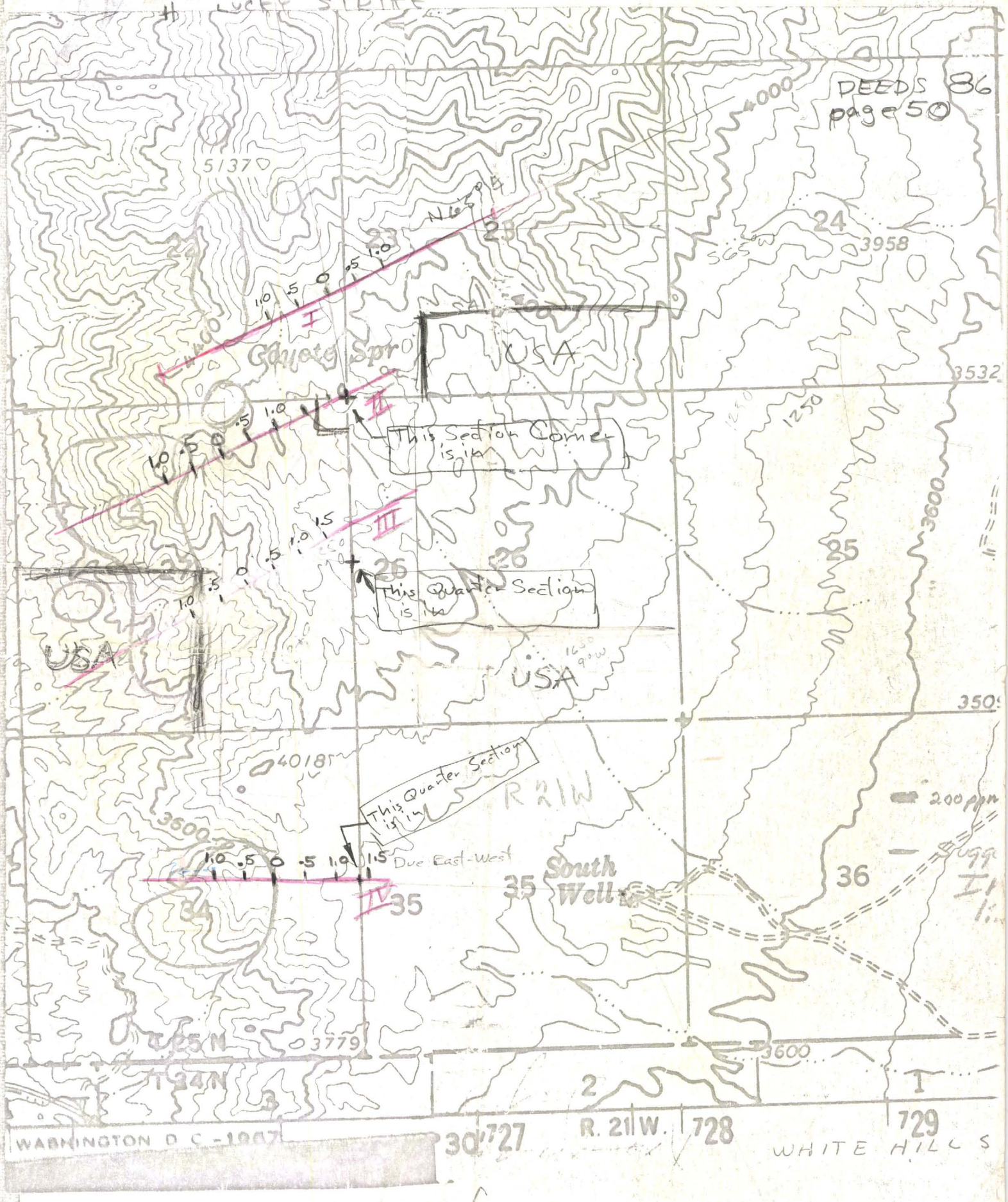
RECEIVER NO. Geo-Science

OPERATOR Freeman, Tom

COMMENTS:

$\frac{403}{4000}$ 1500

3 4

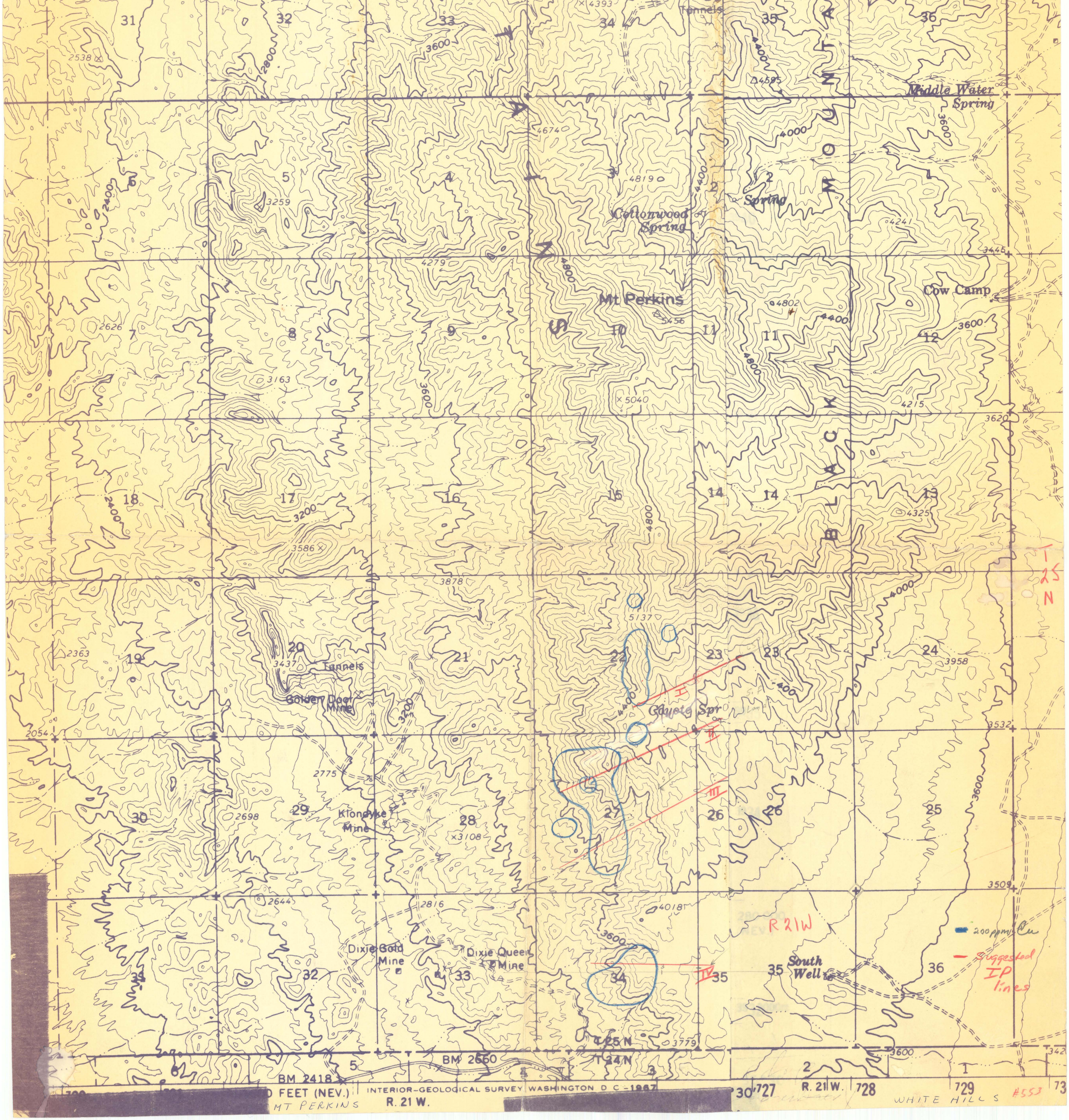


1.0-1.5 Ex + R.A.S.

Bureau of
Land Management

1" = 2000'

Job 553


Middle Water Spring
Cottonwood Spring
Spring
Mt Perkins
Cow Camp
BLACK
Tunnels
Golden Door Mine
Coyote Spr
Klondyke Mine
Dixie Gold Mine
Dixie Queen Mine
South Well
T 25 N
T 24 N
R 21 W
BM 2660
BM 2418
200 ppm Cu
Suggested IP lines
I
II
III
IV
INTERIOR-GEOLOGICAL SURVEY WASHINGTON D C-1957
MT PERKINS
WHITE HILLS
#553

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

MAILING ADDRESS
P. O. BOX 19508

TELEPHONE
521-5145

June 11, 1970

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

File
553

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.

#553

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

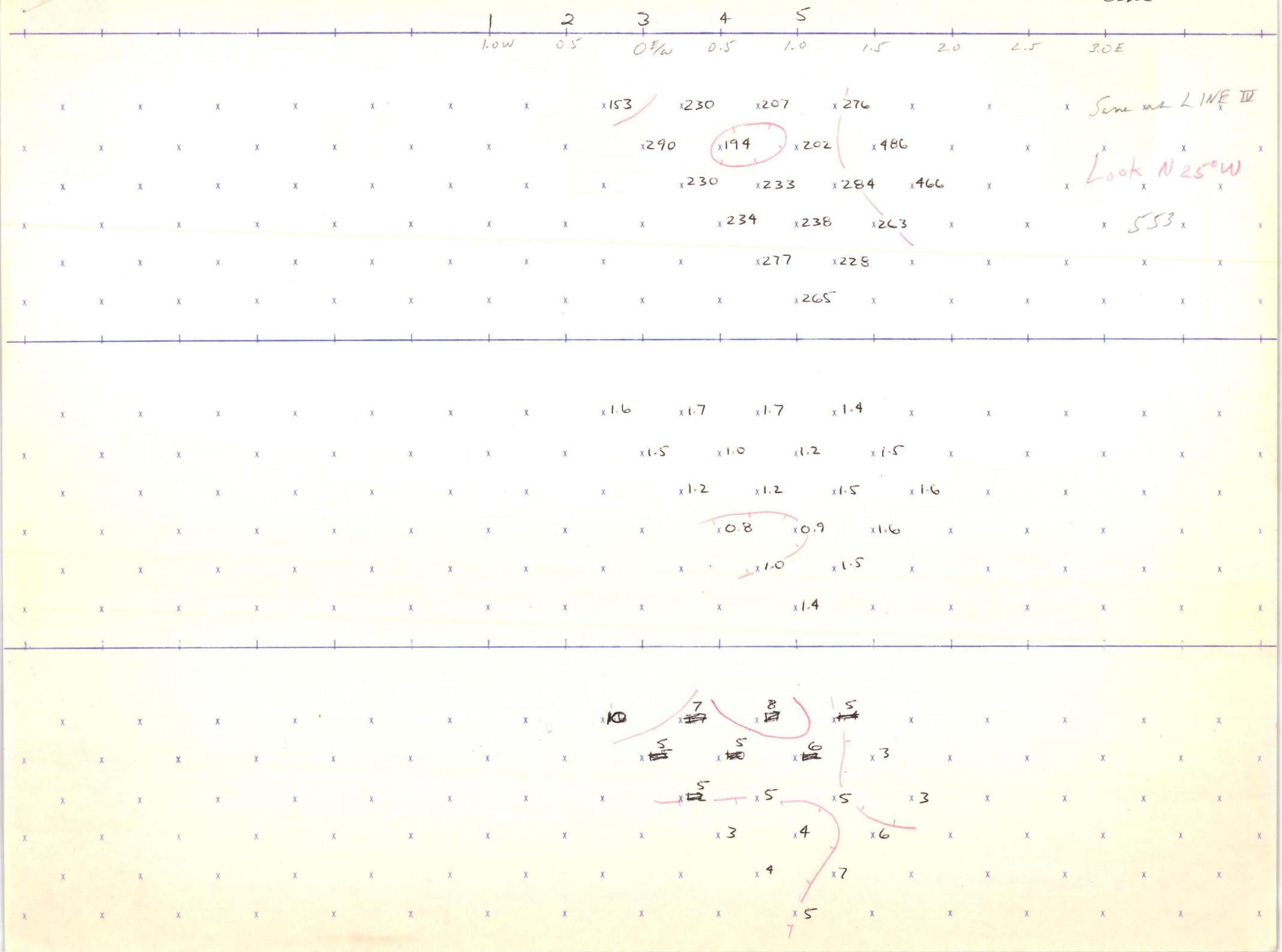
I. C. Stone

ICS:bkc

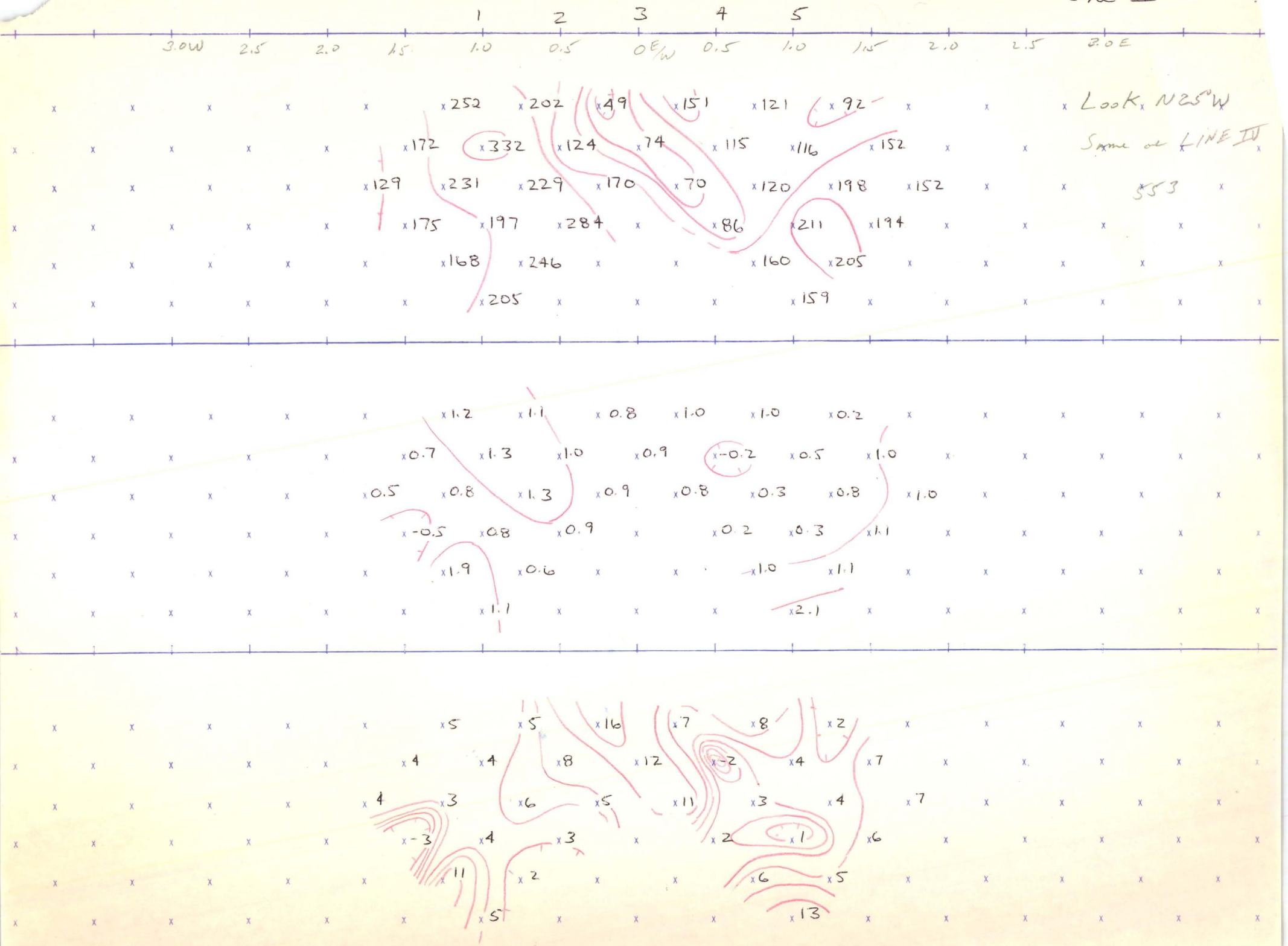
cc: G. J. Lindenburg

Enclosures

Line I


1 2 3 4 5
1.0W 0.5 0E/W 0.5 1.0 1.5 2.0 2.5 3.0E
153 230 207 276
290 194 202 486
230 233 284 466
234 238 263
277 228
265
Same as LINE IV
Look N 25°W
553
1.6 1.7 1.7 1.4
1.5 1.0 1.2 1.5
1.2 1.2 1.5 1.6
0.8 0.9 1.6
1.0 1.5
1.4
10 7 8 5
5 5 6 3
5 5 5 3
3 4 6
4 7
5

Line II

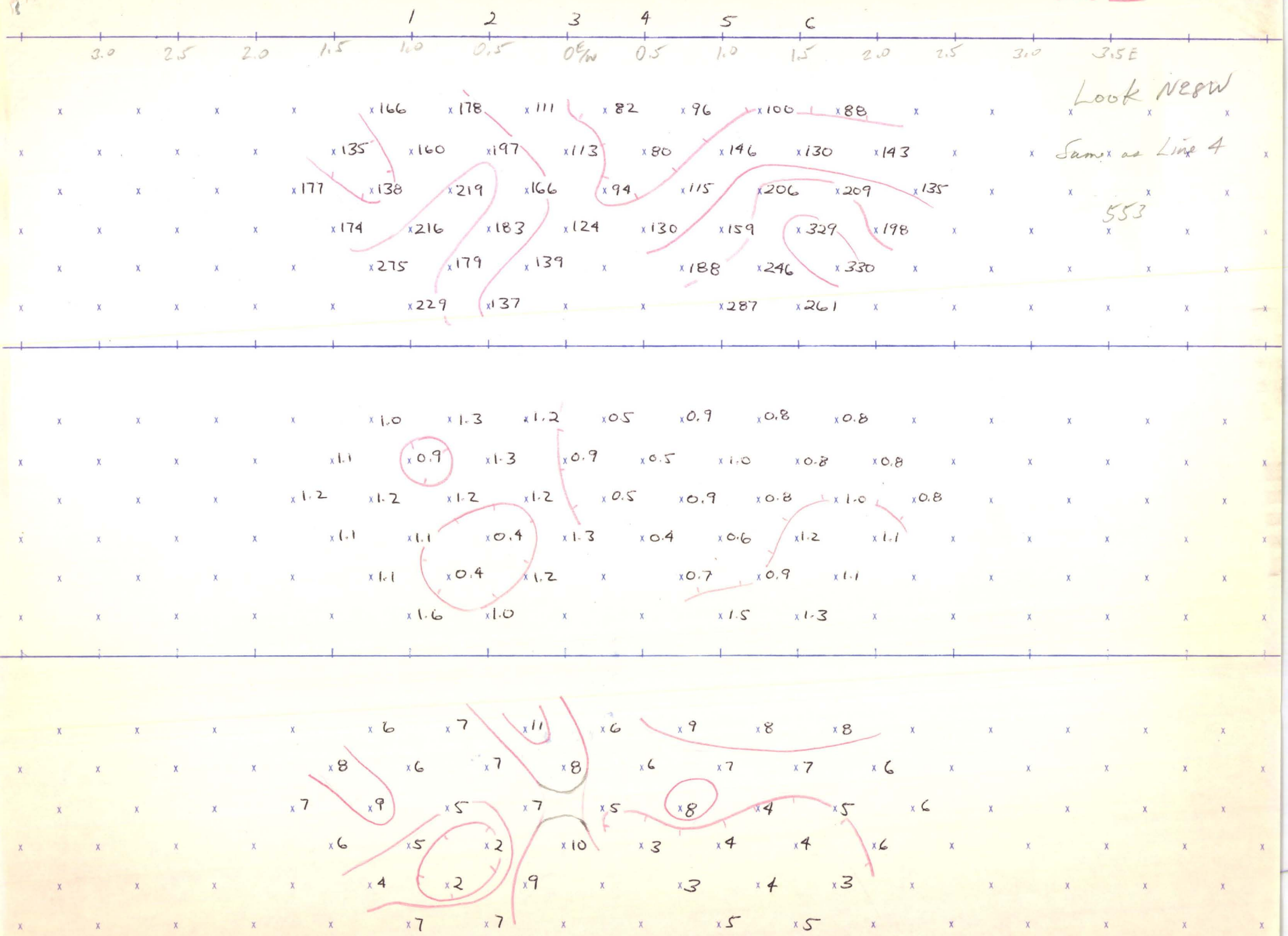


Look N25°W

Same as LINE IV

553

Line III


1 2 3 4 5 6
3.0 2.5 2.0 1.5 1.0 0.5 0E/W 0.5 1.0 1.5 2.0 2.5 3.0 3.5E
Look NE&W
Same as Line 4
553
166 178 111 82 96 100 88
135 160 197 113 80 146 130 143
177 138 219 166 94 115 206 209 135
174 216 183 124 130 159 329 198
275 179 139 188 246 330
229 137 287 261
1.0 1.3 1.2 0.5 0.9 0.8 0.8
1.1 0.9 1.3 0.9 0.5 1.0 0.8 0.8
1.2 1.2 1.2 1.2 0.5 0.9 0.8 1.0 0.8
1.1 1.1 0.4 1.3 0.4 0.6 1.2 1.1
1.1 0.4 1.2 0.7 0.9 1.1
1.6 1.0 1.5 1.3
6 7 11 6 9 8 8
8 6 7 8 6 7 7 6
7 9 5 7 5 8 4 5 6
6 5 2 10 3 4 4 6
4 2 9 3 4 3
7 7 5 5

Line IV

1 2 3 4 5
3.0W 2.5 2.0 1.5 1.0 0.5 0E/W 0.5 1.0 1.5 2.0 2.5 3.0 E
Look N
No SP
0.3&5.0Hz
Perkins Prospect (AREA)
MOHAVE COUNTY
ARIZONA
GEOCHEMICAL SURVEYS, INC.
JOB 553
267 227 215 120 160 123
306 172 306 193 157 156 182
437 152 217 257 256 148 321 215
210 230 202 321 210 257
313 228 395 239
308 479
3.4 1.4 1.4 0.6 1.2 1.2
2.3 1.9 1.6 1.7 1.0 1.5 1.3
2.2 1.0 2.1 1.1 1.2 1.3 1.6 1.7
0.9 0.9 1.4 1.5 0.6 1.5
0.4 2.4 1.7 1.6
2.3 2.4
13 6 7 5 8 10
8 11 5 9 6 10 7
5 7 10 4 5 9 5 8
4 4 7 5 3 6
1 11 4 7
7 5

INDUCED POLARIZATION SURVEY

OF THE

PERKINS PROSPECT

MOHAVE COUNTY, ARIZONA

FOR GEOCHEMICAL SURVEYS. INC.

Geck Job#553

INDUCED POLARIZATION SURVEY

ON THE

PERKINS PROSPECT

MOHAVE COUNTY, ARIZONA

FOR

GEOCHEMICAL SURVEYS, INC.

AUGUST 1970

BY

Heinrichs Geoexploration Company
P.O. Box 5964, Tucson, Arizona 85703
Tel: 623-0578

GEOEX Job #553

TABLE OF CONTENTS

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Conclusions and Recommendations----------	2
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Sectional Data Sheets	
Line I	
Line II	
Line III	
Line IV	

GENERAL LOCATION
of
PERKINS PROSPECT
for
GEOCHEMICAL SURVEYS, INC.

ARIZONA

HEINRICHS
GEOEXPLORATION COMPANY
GEOPHYSICAL ENGINEERS

AUSTRALIA
(SYDNEY)
39 Hume Street
Crows Nest, NSW
Phone: 439-1793

U.S.A.
Post Office Box 5964
Tucson, Arizona 85703
Phone: (602) 623-0578
Cable: GEOEX, Tucson

INTRODUCTION

At the request of Mr. W.R. Ransone of Geochemical Surveys, Inc., Heinrichs GEOEXploration Company was contracted to conduct an initial induced polarization reconnaissance survey over a portion of the Perkins Prospect near Kingman, Mohave County, Arizona. The field work was done in the interim July 20 to July 28, 1970.

A total of three and one half lines were completed, all on 500 foot dipole spacings. Property ownership problems precluded running the west half of Line I. Lines I, II and III were oriented about N65E and Line IV was E-W. See the plan map for details of line location.

The dual frequency induced polarization technique with sending frequencies of 0.3 and 3.0 Hz were used. The standard collinear dipole-dipole electrode configuration was employed which on a 500 foot dipole spacing typically gives resolvable penetration within the zone from about 150 feet to 600 or so feet below surface. Equipment used included a GEOEX Mark 7 sender and a standard Geoscience phase lock model receiver.

The purpose of this survey was to investigate the possibility of sulfide mineralization occurring at depth in the vicinity of copper geochemical anomalism obtained by Geochemical Surveys in an intrusive complex of granitic to dioritic rocks with minor oxide copper staining.

The induced polarization data are presented on Sectional Data Sheets, one for each line showing apparent resistivity, percent frequency effect (PFE) and metallic conduction factor (MCF) contoured in section. An Induced Polarization Location and Interpretation Plan is also included and shows the induced polarization line locations relative to several section corners and geochemical anomalies at a scale of 1" = 2000'.

GEOEX personnel involved in the field work were T. Freeman, geophysical crew chief, J. McClure and R. Wheatley, technical assistants. Initial field supervision was by J. Matthews, Jr., Geophysicist and interpretation and final report are directed by C. Ludwig, Senior Geophysicist, assisted by the Tucson staff.

CONCLUSIONS AND RECOMMENDATIONS

No induced polarization response above typical background levels was noted on Lines I, II and III. Therefore, the copper geochemical anomalies in the vicinity of these lines apparently have no geophysically significant quantities of related sulfides at least down to about 600 feet below surface.

Line IV shows a very weak anomaly west of about 1.0W correlating in part with a zone of copper geochemical anomalism. As the MCFs are quite low in this slightly anomalous zone, only very minor concentrations of polarizable material are indicated - likely less than 1% by volume average across the width of the indicated anomaly. In that this minor anomaly is near the end of the line, a detailed interpretation is not possible due to lack of data, but there is some suggestion of a shallow, depth limited source. More I.P. coverage to the west on Line IV and parallel thereto is recommended only if there is definite supporting geological encouragement. No drilling is geophysically recommended at this time.

The resistivities are rather high but typical of the rock types involved. Much of the coverage shows increased resistivity with depth which could be the result of decreased weathering with depth or thin alluvial cover. A pronounced resistivity low centered near 0.25 on Line II appears to relate to a rather sharply incised canyon. The low resistivities may be due to a topographic effect or to a related conductive structure or both. No anomalous I.P. effects are associated with this low.

INTERPRETATION

Line I:

Only the east half of the spread was completed. Typical background PFE and MCFs are noted. Quite uniform resistivities with depth but with some increase to the east are evident.

Line II:

This line shows a slightly more erratic pattern in the I.P. effects but an average response even lower than on Line I. The resistivities are quite variable and show a pronounced low correlating with a canyon or associated geologic structure near 0.25W. Lower near surface resistivities are noted on the east half of the line perhaps caused by minor alluvial cover or near surface weathering effects.

Line III:

Except that the strong resistivity low is much subdued, this line is quite similar to Line II. Only background I.P. response is seen and the resistivities increase with depth particularly on the east half of the line.

Line IV:

Minor above background very weak I.P. response is noted west of about 1.0W continuing west an unknown distance due to lack of coverage. The source of anomalism cannot be interpreted in detail but seems to be shallow, say within 200 feet of the surface, and perhaps limited in depth extent. East of this minor anomaly the I.P. effects are background and quite similar to those noted on the lines to the north. Again the resistivities increase with depth particularly on the east half of the line.

Respectfully submitted,
HEINRICHS GEOEXPLORATION COMPANY

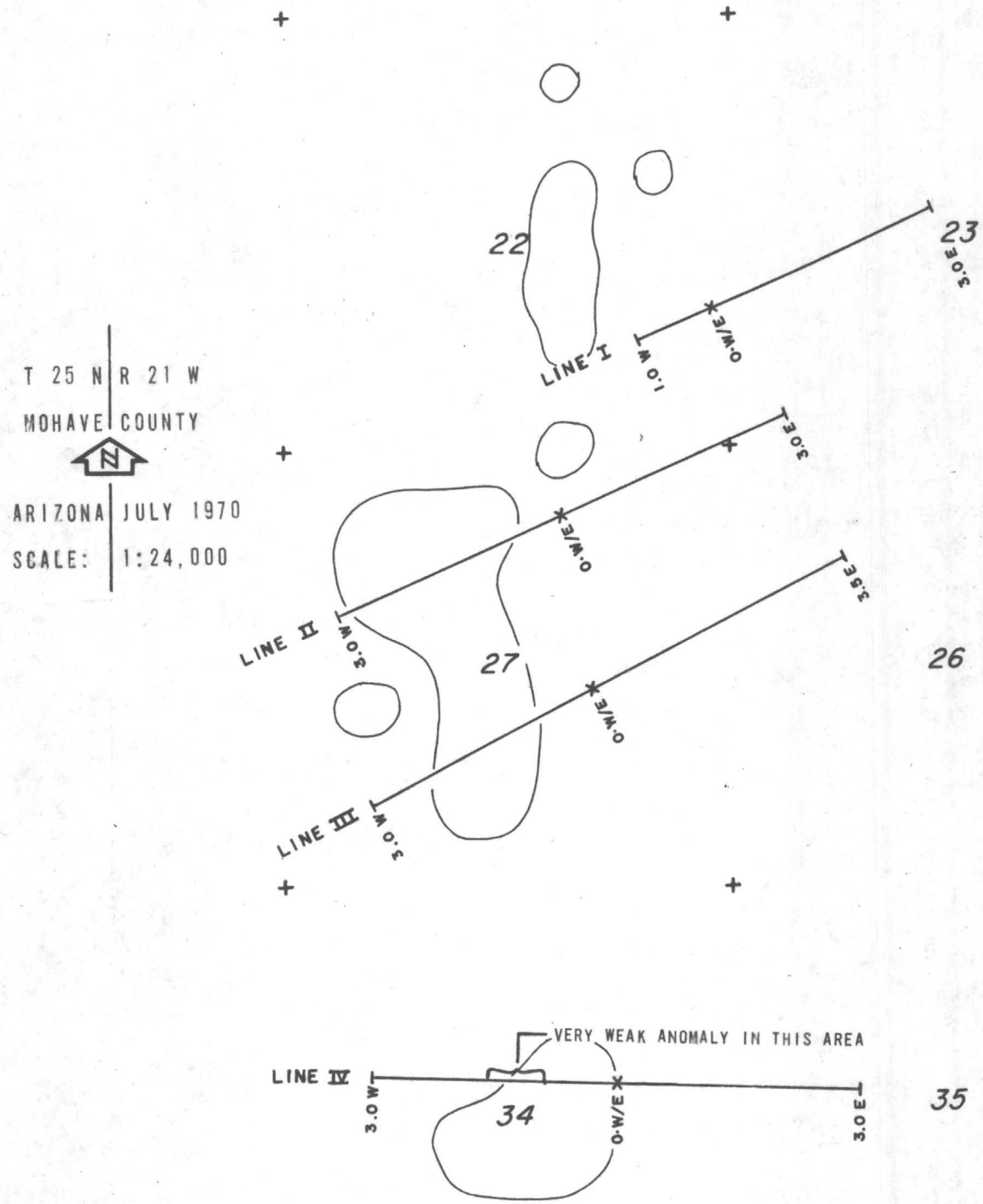
Chris S. Ludwig

Chris S. Ludwig
Senior Geophysicist

Approved By:

Walter E. Heinrichs, Jr.
President

INDUCED POLARIZATION LOCATION
AND INTERPRETATION PLAN
of
PERKINS PROSPECT
for
GEOCHEMICAL SURVEYS, INC.



OUTLINE OF GEOCHEMICAL COPPER ANOMALY - 200+PPM.

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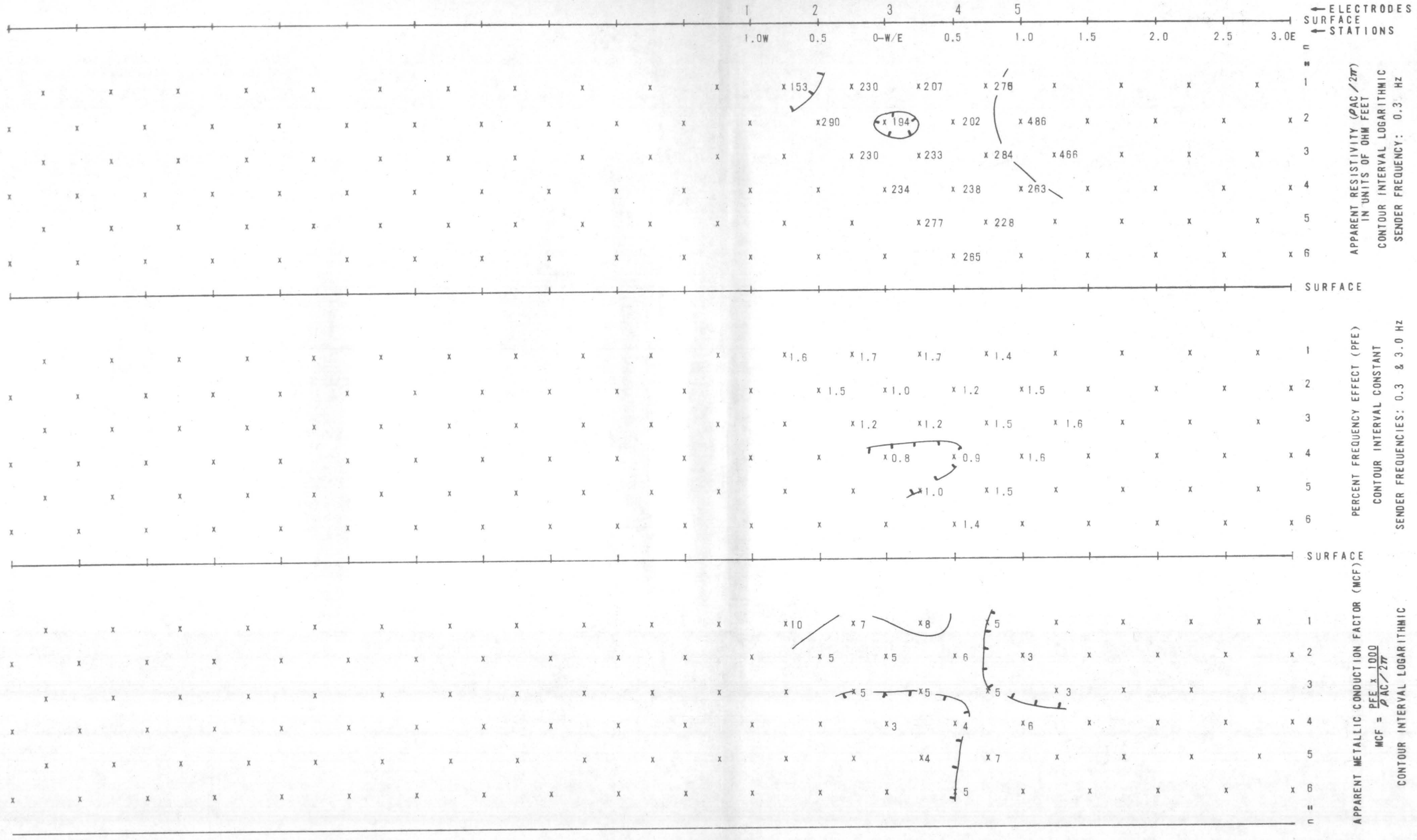
geophysical engineers
vancouver
sydney



553-70

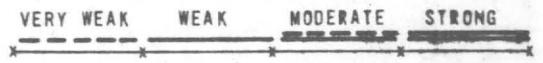
LINE NO. I

SPREAD(S)

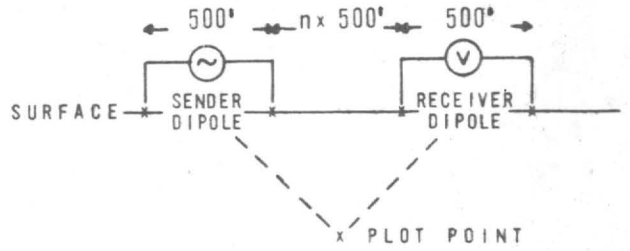
INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for

GEOCHEMICAL SURVEYS INC.

RELATIVE ANOMALY STRENGTH



DIPOLE DIPOLE ELECTRODE ARRAY



AREA
PERKINS PROSPECT

LOOKING
N 25° W

DATE
JULY 1970

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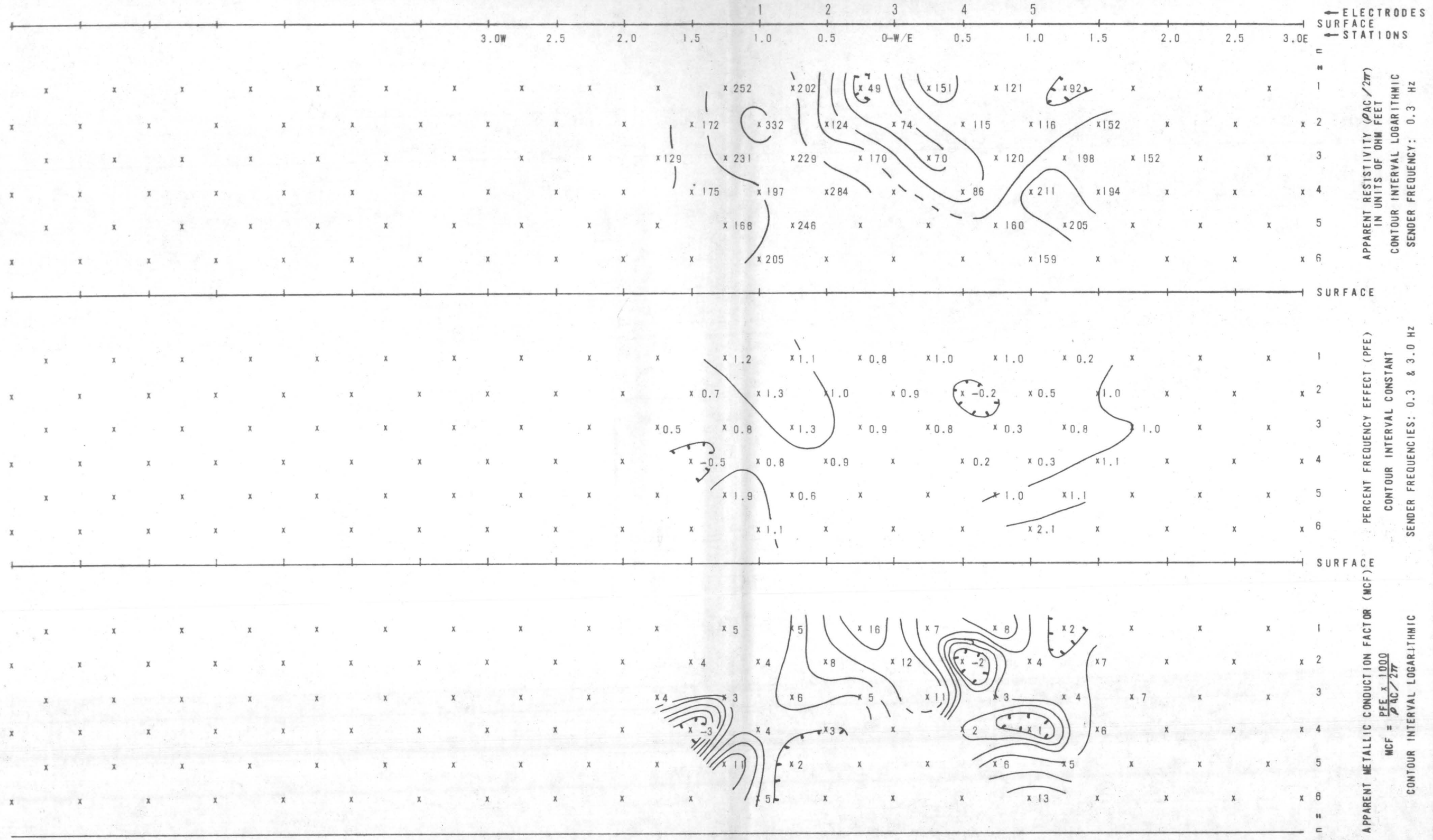
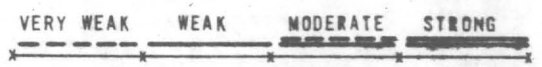
553-70

LINE NO.
II
SPREAD(S)

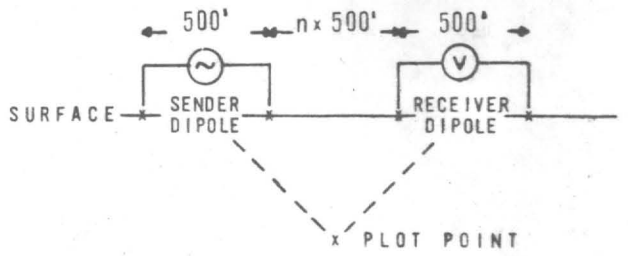
INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for GEOCHEMICAL SURVEYS, INC.



RELATIVE ANOMALY STRENGTH



DIPOLE DIPOLE ELECTRODE ARRAY



AREA
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LOOKING
N 25° W
DATE
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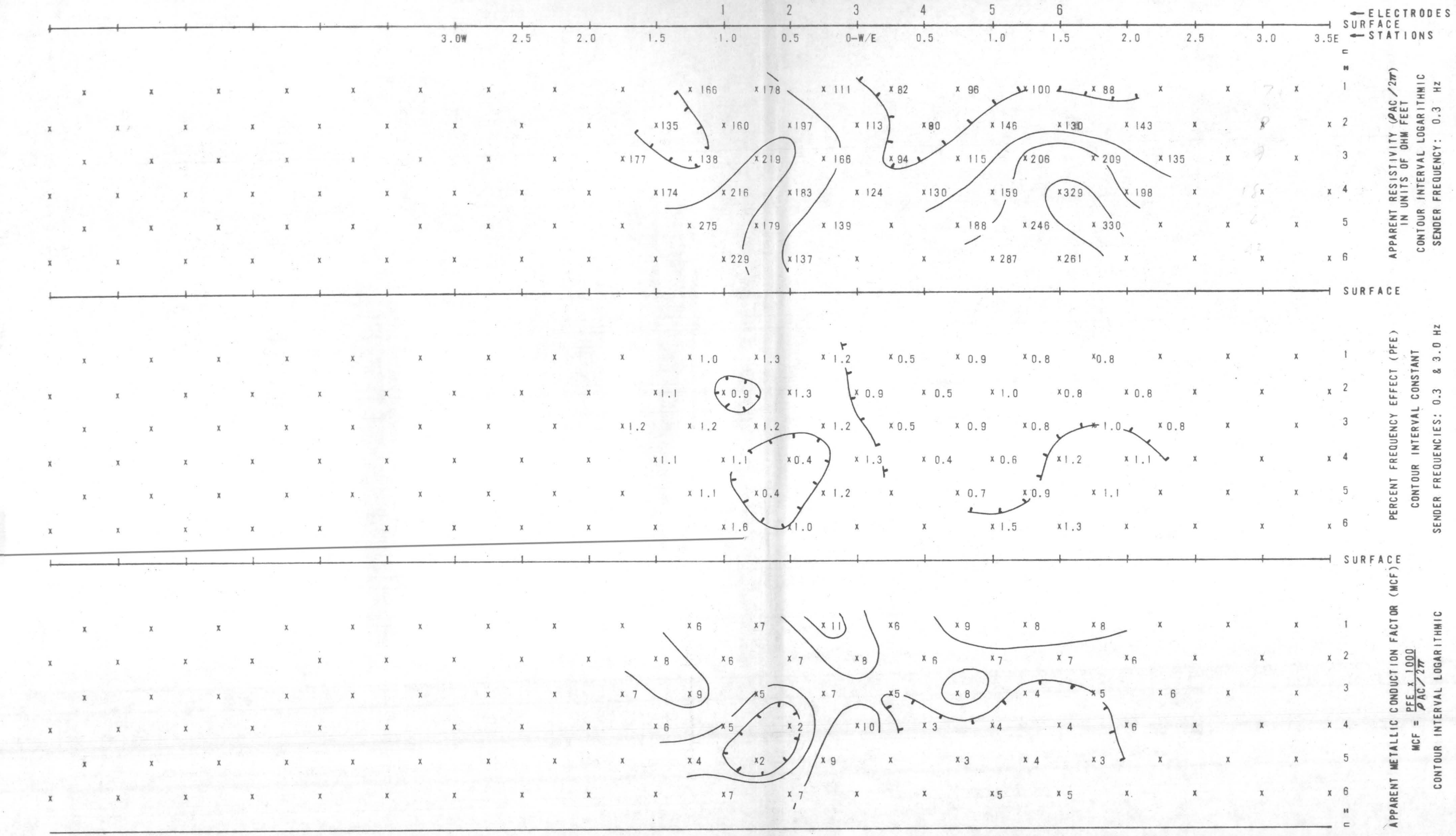
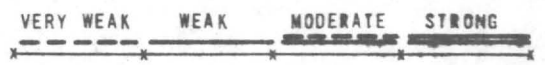


553-70

LINE NO.
III
SPREAD(S)

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for GEOCHEMICAL SURVEYS, INC.

RELATIVE ANOMALY STRENGTH



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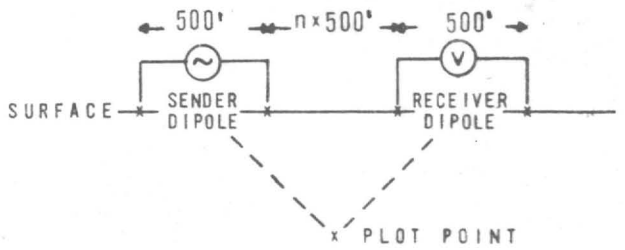

AREA
PERKINS PROSPECT

LOOKING
N 28° W

DATE
JULY 1970

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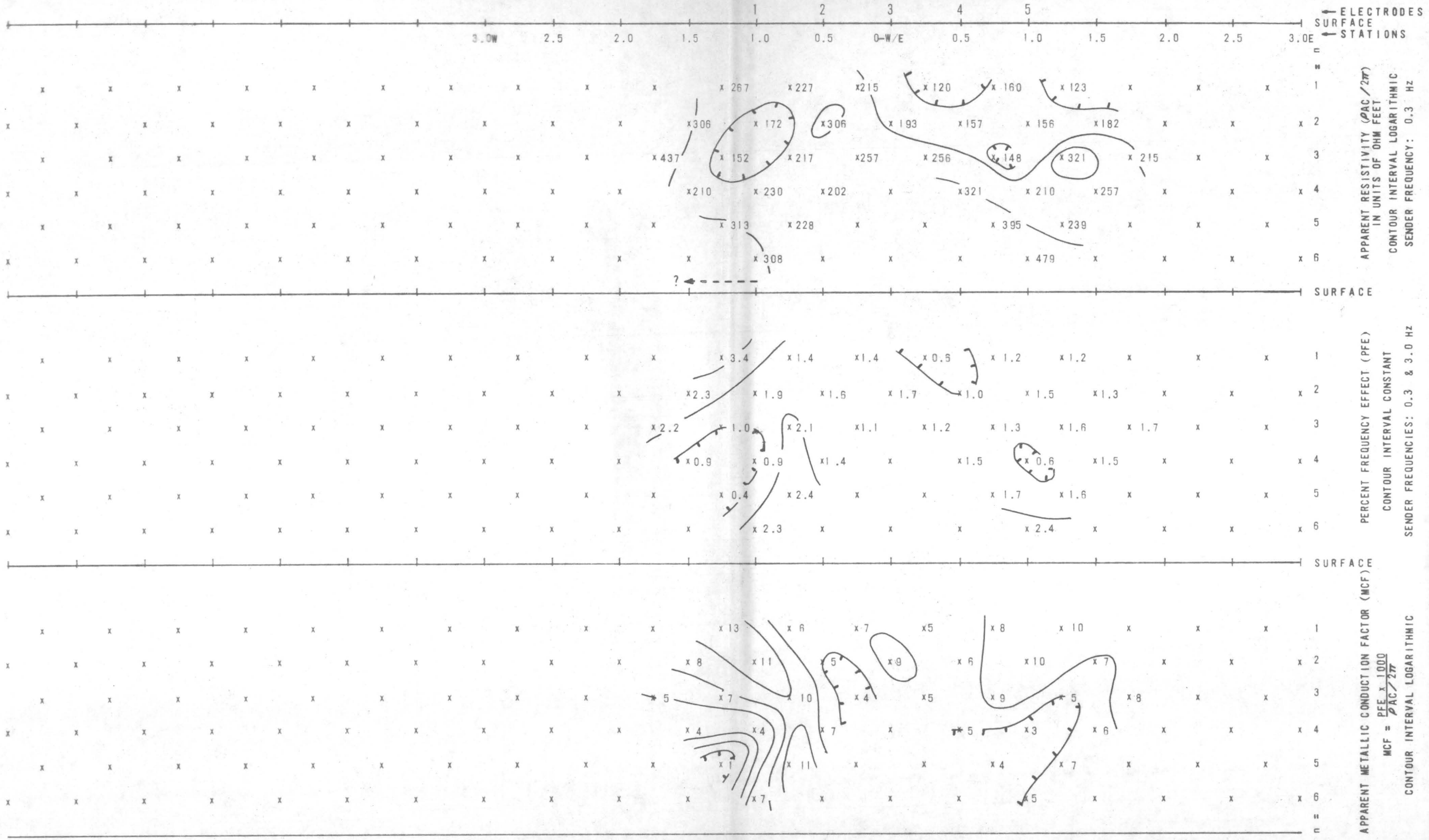


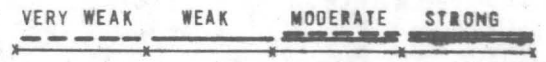
553-70

LINE NO.
IV
SPREAD(S)

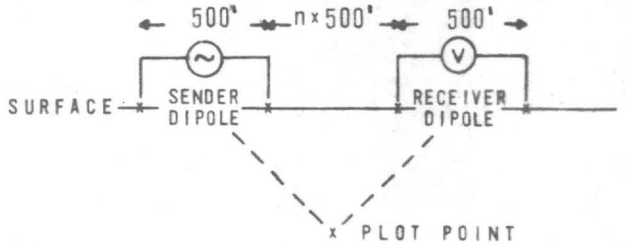
INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for

GEOCHEMICAL SURVEYS, INC.

RELATIVE ANOMALY STRENGTH



DIPOLE DIPOLE ELECTRODE ARRAY



AREA
PERKINS PROSPECT

LOOKING
NORTH

DATE
JULY 1970

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INDUCED POLARIZATION SURVEY

ON THE

PERKINS PROSPECT

MOHAVE COUNTY, ARIZONA

FOR

GEOCHEMICAL SURVEYS, INC.

AUGUST 1970

BY

Heinrichs Geoexploration Company
P.O. Box 5964, Tucson, Arizona 85703
Tel: 623-0578

GEOEX Job #553

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Induced Polarization Location and Interpretation Plan

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Line III

Line IV

INTRODUCTION

At the request of Mr. W.R. Ransone of Geochemical Surveys, Inc., Heinrichs GEOEXploration Company was contracted to conduct an initial induced polarization reconnaissance survey over a portion of the Perkins Prospect near Kingman, Mohave County, Arizona. The field work was done in the interim July 20 to July 28, 1970.

A total of three and one half lines were completed, all on 500 foot dipole spacings. Property ownership problems precluded running the west half of Line I. Lines I, II and III were oriented about N65E and Line IV was E-W. See the plan map for details of line location.

The dual frequency induced polarization technique with sending frequencies of 0.3 and 3.0 Hz were used. The standard collinear dipole-dipole electrode configuration was employed which on a 500 foot dipole spacing typically gives resolvable penetration within the zone from about 150 feet to 600 or so feet below surface. Equipment used included a GEOEX Mark 7 sender and a standard Geoscience phase lock model receiver.

The purpose of this survey was to investigate the possibility of sulfide mineralization occurring at depth in the vicinity of copper geochemical anomalism obtained by Geochemical Surveys in an intrusive complex of granitic to dioritic rocks with minor oxide copper staining.

The induced polarization data are presented on Sectional Data Sheets, one for each line showing apparent resistivity, percent frequency effect (PFE) and metallic conduction factor (MCF) contoured in section. An Induced Polarization Location and Interpretation Plan is also included and shows the induced polarization line locations relative to several section corners and geochemical anomalies at a scale of 1" = 2000'.

GEOEX personnel involved in the field work were T. Freeman, geophysical crew chief, J. McClure and R. Wheatley, technical assistants. Initial field supervision was by J. Matthews, Jr., Geophysicist and interpretation and final report are directed by C. Ludwig, Senior Geophysicist, assisted by the Tucson staff.

CONCLUSIONS AND RECOMMENDATIONS

No induced polarization response above typical background levels was noted on Lines I, II and III. Therefore, the copper geochemical anomalies in the vicinity of these lines apparently have no geophysically significant quantities of related sulfides at least down to about 600 feet below surface.

Line IV shows a very weak anomaly west of about 1.0W correlating in part with a zone of copper geochemical anomalism. As the MCFs are quite low in this slightly anomalous zone, only very minor concentrations of polarizable material are indicated - likely less than 1% by volume average across the width of the indicated anomaly. In that this minor anomaly is near the end of the line, a detailed interpretation is not possible due to lack of data, but there is some suggestion of a shallow, depth limited source. More I.P. coverage to the west on Line IV and parallel thereto is recommended only if there is definite supporting geological encouragement. No drilling is geophysically recommended at this time.

The resistivities are rather high but typical of the rock types involved. Much of the coverage shows increased resistivity with depth which could be the result of decreased weathering with depth or thin alluvial cover. A pronounced resistivity low centered near 0.25 on Line II appears to relate to a rather sharply incised canyon. The low resistivities may be due to a topographic effect or to a related conductive structure or both. No anomalous I.P. effects are associated with this low.

INTERPRETATION

Line I:

Only the east half of the spread was completed. Typical background PFE and MCFs are noted. Quite uniform resistivities with depth but with some increase to the east are evident.

Line II:

This line shows a slightly more erratic pattern in the I.P. effects but an average response even lower than on Line I. The resistivities are quite variable and show a pronounced low correlating with a canyon or associated geologic structure near 0.25W. Lower near surface resistivities are noted on the east half of the line perhaps caused by minor alluvial cover or near surface weathering effects.

Line III:

Except that the strong resistivity low is much subdued, this line is quite similar to Line II. Only background I.P. response is seen and the resistivities increase with depth particularly on the east half of the line.

Line IV:

Minor above background very weak I.P. response is noted west of about 1.0W continuing west an unknown distance due to lack of coverage. The source of anomalism cannot be interpreted in detail but seems to be shallow, say within 200 feet of the surface, and perhaps limited in depth extent. East of this minor anomaly the I.P. effects are background and quite similar to those noted on the lines to the north. Again the resistivities increase with depth particularly on the east half of the line.

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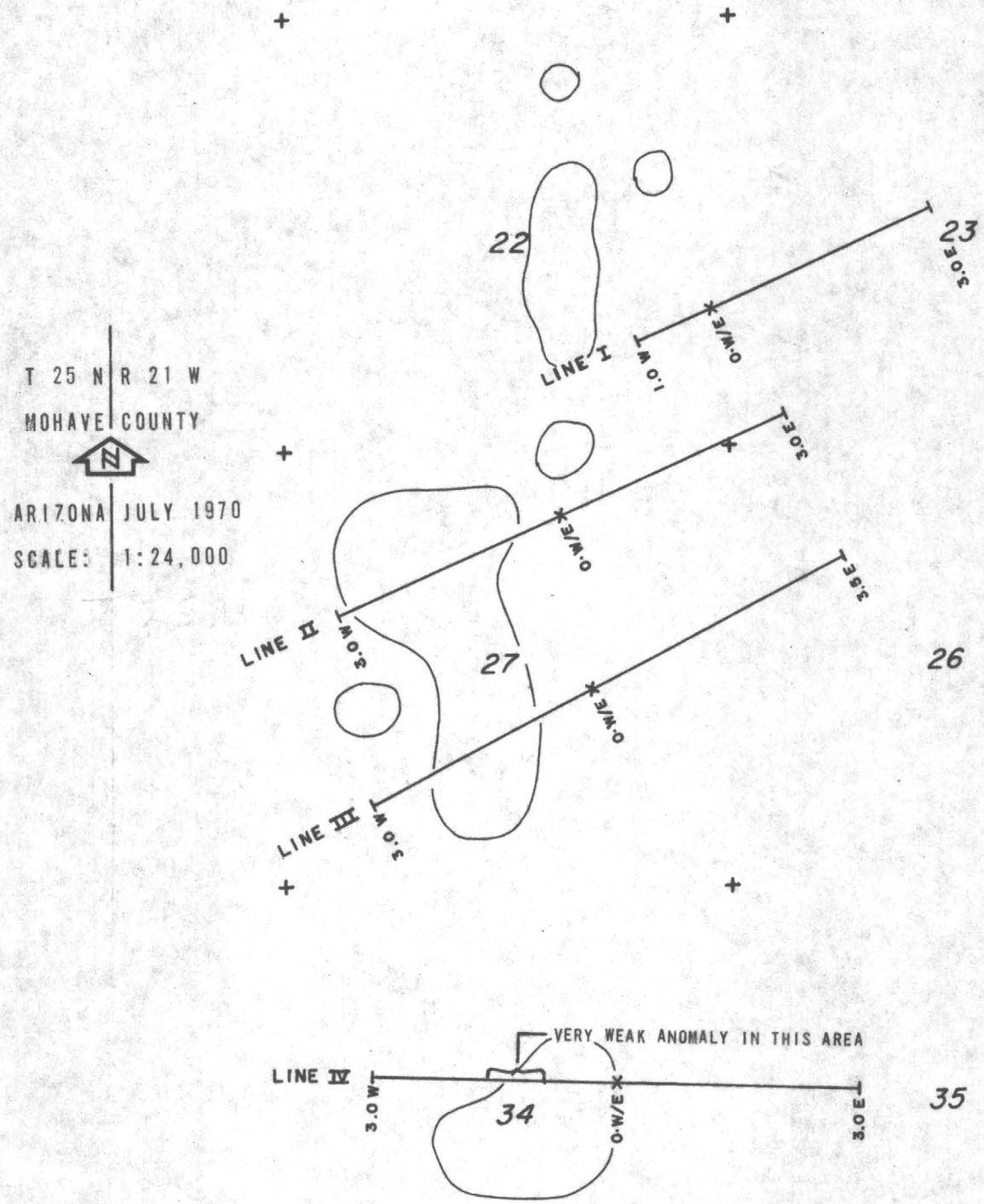

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