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426

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Floreen Prospect

LINE 1 HALF N48°E SP. 1 DATE 5-7-69

PAGE 1

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5NE	5-10NE	→	10-15NE	→	→	15-20NE	→	→	→
RANGE	10	10	10	10	10	10	10	1	1	1
DC 1	+1.1	+1.2	+1.0	-.1	-.1	+0.9	+0.4	+0.9	+1.0	+0.9
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	35.0	47.6	14.4	11.7	11.1	45.3	16.6	47.6	71.0	38.5
AC 2	+0.2	0	0	0	0	0	+0.4	0	+0.1	0
AC AVG.										
S.P.	+4.3	-21.7	+26 →				+4.4			
AC NOISE				.027 →						
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Floreen Prospect

LINE 1 HALF NE SP. 1 DATE 15-7-69

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	cal	
RECEIVE	20-25 NE	→	→	→	25-30	→	→	→	4-5	
RANGE	1	1	1	1	1	1	1	1	1.0	
DC 1	+1.0	+0.8	+1.0	+0.9	+0.9	+0.4	+0.7	+0.6	-.6	
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	61.5	32.5	57.2	35.0	37.0	22.1	41.4	27.2	62.0	
AC 2	+0.1	0	+0.1	0	+0.1	0	0	0	0.0	
AC AVG.										
S.P.	-16.7				+10.5					
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Floreen

LINE 1 HALF S48W SP. 1 DATE 15-7-6

PAGE

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5SW	5-10 SW	→	10-15 SW	→		15-20 SW	→		
RANGE	10	10	1	10	1	1	10	1	1	1
DC 1	+0.3	-0.7	+0.8	0	+0.5	+0.5	0	+0.4	-0.2	-0.4
DC 2										
DC 3							+2.0	+1.7		
DC 4			-		.05		+1.4	+2.8		
DC 5							+2.1	+1.8		
DC 6							+1.2	+2.7		
DC 7										
DC 8										
DC AVG.										
AC 1	22.7	11.5	50.8	27.7	34.6	22.2	34.7	75.4	15.2	11.8
AC 2	+0.2	0	0	+0.1	0	+0.1	+0.2	0	+0.1	+0.1
AC AVG.										
S.P.	+28.6	-10.0	-	+6.1			+1.6			
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Floreen

LINE 1 HALF SW SP. 1 DATE 5-7-69

PAGE

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	cal	
RECEIVE	20-25 SW →				25-30 SW →				1-2	
RANGE	10	1	.1	.1	1	1	.1	.1	1	
DC 1	-1.2	+0.2	+0.7	+0.9	+0.6	+0.4	+0.9	+0.9	-1.0	
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	11.5	37.1	79.8	64.4	79.6	36.9	91.8	80.9	63.6	
AC 2	0	0	0	0	0	+0.1	0	0	0	
AC AVG.										
S.P.	+3.0				+16.9					
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Floreen

LINE 1 HALF SW SP. 1 DATE 7-15-69

SEND	45	34	45	23	34	45	12	23	34	45
RECEIVE	0-5 SW	5-10 SW	→	10-15 SW	→	→	15-20 SW	→	→	→
RANGE	3x200	3x200	3x200	10x170	3x200	3x200	3x200 ~~10x170~~	10x170	3x200	3x200
VOLTAGE	340	310	330	380	310	330	~~160~~	380	300	320
CURRENT	.6	.6	.6	1.7	.6	.6	.6	1.7	.6	.6
SEND	12	23	34	45	12	23	34	45	✓	Cal
RECEIVE	20-25 SW	→	→	→	25-30 SW	→	→	→		
RANGE	10x200	10x170	3x200	3x200	10x200	10x170	3x200	3x200		
VOLTAGE	330	375	300	320	330	375	300	320		
CURRENT	2.0	1.7	.6	.6	2.0	1.7	.6	.6		

FREQUENCIES 3.0 .3

SENDER NO.

OPERATOR Gary Cruze

RECEIVER NO. 4-C

OPERATOR Ron Palmer

COMMENTS:

1-2
15-20 SW
30x200
335
2.0

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Floreen

LINE 1 HALF NE SP. 1 DATE 7-15-69

PAGE 1

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5 NE	5-10 NE	→	10-15 NE	→	→	15-20 NE	→	→	→
RANGE	10x200	~~[illegible]~~ 10x170	10x200	3x200	10x170	10x200	3x200	3x200	10x170	10x200
VOLTAGE	350	350	340	335	390	340	355	335	390	340
CURRENT	2.0	1.7	2.00	0.6	1.7	2.0	.6	.6	1.7	2.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		CAL 4-5
RECEIVE	20-25	→	→	→	25-30	→	→	→		
RANGE	3x200	3x200	10x170	10x200	3x200	3x200	10x170	10x200		
VOLTAGE	355	330	390	340	350	330	390	340		
CURRENT	.6	.6	1.7	2.0	.6	.6	1.7	2.0		.600

FREQUENCIES 3.0 .3

SENDER NO.

OPERATOR Gary Cruze

RECEIVER NO. 4C

OPERATOR Ron Palmer

COMMENTS:

426 SW 1/2

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Floreen Line 1 Field date 7-15 Data page_____ Comp. date_____. Comp by JPM

(A) Send												
(B) Receive												
(C) n separation												
(D) I	600	600	600	1700	600	600	600	1700	600	600		
(E) Vdc (avg) (a.c.)	227	115	50.8	277	34.6	22.2	347	75.4	15.2	11.8		
(F) DCcal												
(G) Kn x 10^{-3}	1.5	1.5	6	1.5	6	15	1.5	6	15	30		
(H) ρ dc=ExFxGx10^3/D	568	288	508	244	346	555	868	266	380	590		
(I) Vac Σ												
(J) AC noise x 2												
(K) Vac(corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	1.3	0.3	1.8	1.0	1.5	1.5	1.0	1.4	0.8	0.6		
(O) MCF=(M-1)(10^5)/H	2	1	4	4	4	2.7	1.1	5	2	1		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send												
(B) Receive												
(C) n separation												
(D) I	2000	1700	600	600	2000	1700	600	600	CAL			
(E) Vdc (avg) (a.c.)	115	37.1	7.98	6.44	79.6	36.9	9.18	8.09	~~63.6~~			
(F) DCcal												
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84				
(H) ρ dc=ExFxGx10^3/D	345	327	399	564	597	651	803	1132				
(I) Vac Σ												
(J) AC noise x 2												
(K) Vac (corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	-0.2	1.2	1.7	1.9	1.6	1.4	1.9	1.9	1.0			
(O) MCF=(M-1)(10^5)/H	-1	4	4	3	3	2	2	2				

426 N30E

PAGE

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Floreen

LINE 2 HALF N SP. 1 DATE 16-7

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	cal	
RECEIVE	20-25	N →			25-30	N →			4-5	
RANGE	10	10	10	1	10	1	1	.1	1	
DC 1	+1.3	+1.0	+1.2	+1.1	+1.1	+1.1	+1.5	+0.9	-0.7	
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	67.3	23.2	13.3	18.0	14.0	57.8	40.2	61.3	62.7	
AC 2	+0.4	+0.2	+0.1	0	+0.7	+0.1	0	-0.3	+0.2	
AC AVG.										
S.P.	+71.7				+7.8					
AC NOISE										
POT RES.										

N30E

PAGE

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Floreen - 426

LINE 2 HALF N SP. 1 DATE 16-7-69

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5N	5-10N	→	10-15N	→	→	15-20N	→	→	→
RANGE	10	10	1	100	10	1	100	10	10	1
DC 1	+0.8	+1.2	+1.2	-0.2	+1.0	+0.9	+0.9	+1.0	+1.3	+1.3
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	22.7	96.3	82.1	13.2	37.2	37.9	15.5	36.0	18.0	21.4
AC 2	+0.6	+0.7	+0.2	0	0	0	+0.5	0	0	0
AC AVG.										
S.P.	+32.3	+8.9		+9.8			+17.1			
AC NOISE	.028									
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PAGE 1

PROJECT Floreen

LINE 2 HALF 5 SP. 1 DATE 7-16-69

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	10×200	→	→	→	→	→	3×200	10-200	→	→
VOLTAGE	360	130	355	315	165	350	240	310	115	345
CURRENT	2	2.	2.	2.	2.?	2.	.6	2	2	2
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal
RECEIVE	20-25	→	→	→	25-30	→	→	→		.6
RANGE	3×200	10-200	→	→	3×200	10×200	→	→		
VOLTAGE	235	310	115	345	230	310	165	340		
CURRENT	.6	2	2	2	.6	2	2	2		

FREQUENCIES _____ _____

SENDER NO.

OPERATOR Gary Cruze

RECEIVER NO. 4C

OPERATOR Ron Palmer

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Floreen

LINE 2 HALF ~~1~~ SP. 1 DATE 7-16-69

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5S	5-10S	→	10-15S	→	→	15-20	→	→	→
RANGE	3x200	10x200	3x200	10x200	10x200	3x200	10x200	10x200	10x200	3x200
VOLTAGE	225	350	225	200	350	225	325	200	340	225
CURRENT	.6	2.	.6	2.0	2.00	.6	2	2	2	.6
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		CAh
RECEIVE	20-25	→	→	→	25-30	→	→	→		4-5
RANGE	10x200	10x200	10x200	3x200	10x200	10x200	10x200	3x200		3x200
VOLTAGE	325	200	340	220	325	200	340	220		100
CURRENT	2	2	2	.6	2	2	2	.6		.6

FREQUENCIES _____ _____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

530W

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Floreen 426
LINE 2 HALF S SP. 1 DATE 16-7-69

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	cal	
RECEIVE	20-25	→	→	→	25-30	→	→	→	1-2	
RANGE	1	10	1	1	1	1	1	1	1.0	
DC 1	+1.2	+1.0	+1.4	+1.7	+1.2	+1.8	+1.3	+1.6	-0.2	
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	32.1	10.4	52.8	46.7	18.0	58.7	35.5	33.1	62.5	
AC 2	+0.2	+0.3	0	0	+0.4	+0.1	0	0	+0.1	
AC AVG.										
S.P.	+4.8				+27.8					
AC NOISE										
POT RES.										

S30W

PAGE

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Floreen 426

LINE 2 HALF 5 SP. 1 DATE 16-7-69

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	100	10	10	10	10	10	10	10	1	1
DC 1	+1.35	+1.1	+1.6	+1.2	+1.0	+1.1	+0.3	+1.0	+1.3	+1.5
DC 2										
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	10.5	74.4	28.7	80.4	26.3	15.1	12.9	20.7	93.7	71.3
AC 2	+0.3	+0.1	+0.2	0	0	0	0	0	0	0
AC AVG.										
S.P.	+5.8	+24.6		+7.7			+9.9			
AC NOISE	.032									
POT RES.										

N ~~E~~ 1/2 424

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Floreen Line 1 Field date 7-15 Data page_____ Comp. date_____. Comp by JPM.

(A) Send												
(B) Receive												
(C) n separation												
(D) I	2000	1700	2000	600	1700	2000	600	600	1700	2000		
(E) Vdc (avg) (ac)	350	476	144	117	111	45.3	166	47.6	71.0	385		
(F) DCcal												
(G) Kn x 10^{-3}	1.5	1.5	6	1.5	6	15	1.5	6	15	30		
(H) ρ dc=ExFxGx10^3/D	263	419	432	293	392	340	415	476	626	578		
(I) Vac Σ												
(J) AC noise x 2												
(K) Vac(corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	1.7	1.8	1.6	0.5	-0.5	1.5	1.0	1.5	1.6	1.5		
(O) MCF=(M-1)(10^5)/H	6	4	4	2	1	4	2	3	3	3		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send												
(B) Receive												
(C) n separation												
(D) I	600	600	1700	2000	600	600	1700	2000				
(E) Vdc (avg) (a.c)	61.5	32.5	57.2	35.0	37.0	22.1	41.4	27.2	62.0			
(F) DCcal												
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84				
(H) ρ dc=ExFxGx10^3/D	615	813	1009	919	925	1105	1279	1142				
(I) Vac Σ												
(J) AC noise x 2												
(K) Vac (corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	1.6	1.4	1.6	1.5	1.5	1.0	1.3	1.2	-0.6			
(O) MCF=(M-1)(10^5)/H	3	2	2	2	2	1	1	1				

S 30 W

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Floreen Line 2 Field date 7-16 Data page_____ Comp. date_____. Comp by JPM

(A) Send												
(B) Receive												
(C) n separation	2000		2000			2000	2000			2000		
(D) I	~~600~~	2000	~~600~~	2000	2000	~~600~~	~~2000~~	2000	2000	~~600~~		
(E) Vdc (avg) (a.c.)	1050	744	287	804	263	151	129	207	93.7	71.3		
(F) DCcal												
(G) Kn x 10^{-3}	1.5	1.5	6	1.5	6	15	1.5	6	15	30		
(H) ρ dc=ExFxGx10^3/D	~~2625~~	558	~~2870~~	603	789	~~775~~	~~97~~	621	703	~~3565~~		
(I) Vac Σ	788		861			1133	323			1070		
(J) AC noise x 2												
(K) Vac(corr) = $\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	1.4	1.3	1.7	1.4	1.2	1.3	0.5	1.2	1.5	1.7		
(O) MCF=(M-1)(10^5)/H	2	2	2	2	2	~~3~~ 1	1 ~~0~~	2	2	~~0~~ 2		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send												
(B) Receive												
(C) n separation	600			2000	2000			2000				
(D) I	~~2000~~	2000	2000	~~600~~	~~2000~~	2000	2000	~~600~~		600		
(E) Vdc (avg) (a.c.)	32.1	104	52.8	46.7	18.0	58.7	35.5	33.1		62.5		
(F) DCcal												
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84				
(H) ρ dc=ExFxGx10^3/D	~~96~~	780	792	~~1087~~	~~135~~	881	932	~~1084~~				
(I) Vac Σ	321			1226	450			1390				
(J) AC noise x 2												
(K) Vac (corr) = $\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	1.3	1.1	1.6	1.9	1.2	2.0	1.5	1.8		-0.2		
(O) MCF=(M-1)(10^5)/H	~~3~~ 4	1	2	~~0~~ 2	~~3~~ 3	2	2	1 ~~0~~				

N 30 E NE ½

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Florean Line 2- Field date 7-16 Data page_____ Comp. date_____. Comp by JPM

(A) Send												
(B) Receive												
(C) n separation												
(D) I	600	2000	600	2000	2000	600	2000	2000	2000	600		
(E) Vdc (avg)	227	963	82.1	1320	372	37.9	1550	360	180	21.4		
(F) DCcal (a.c)												
(G) Kn x 10^{-3}	1.5	1.5	6	1.5	6	15	1.5	6	15	30		
(H) ρ dc=ExFxGx10^3/D	568	722	821	990	1116	948	1163	1080	1350	1070		
(I) Vac Σ												
(J) AC noise x 2												
(K) Vac(corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	1.2	1.6	1.9	0.5	1.7	1.6	1.4	1.7	2.0	2.0		
(O) MCF=(M-1)(10^5)/H	2	2	2	1	2	2	1	2	1	2		

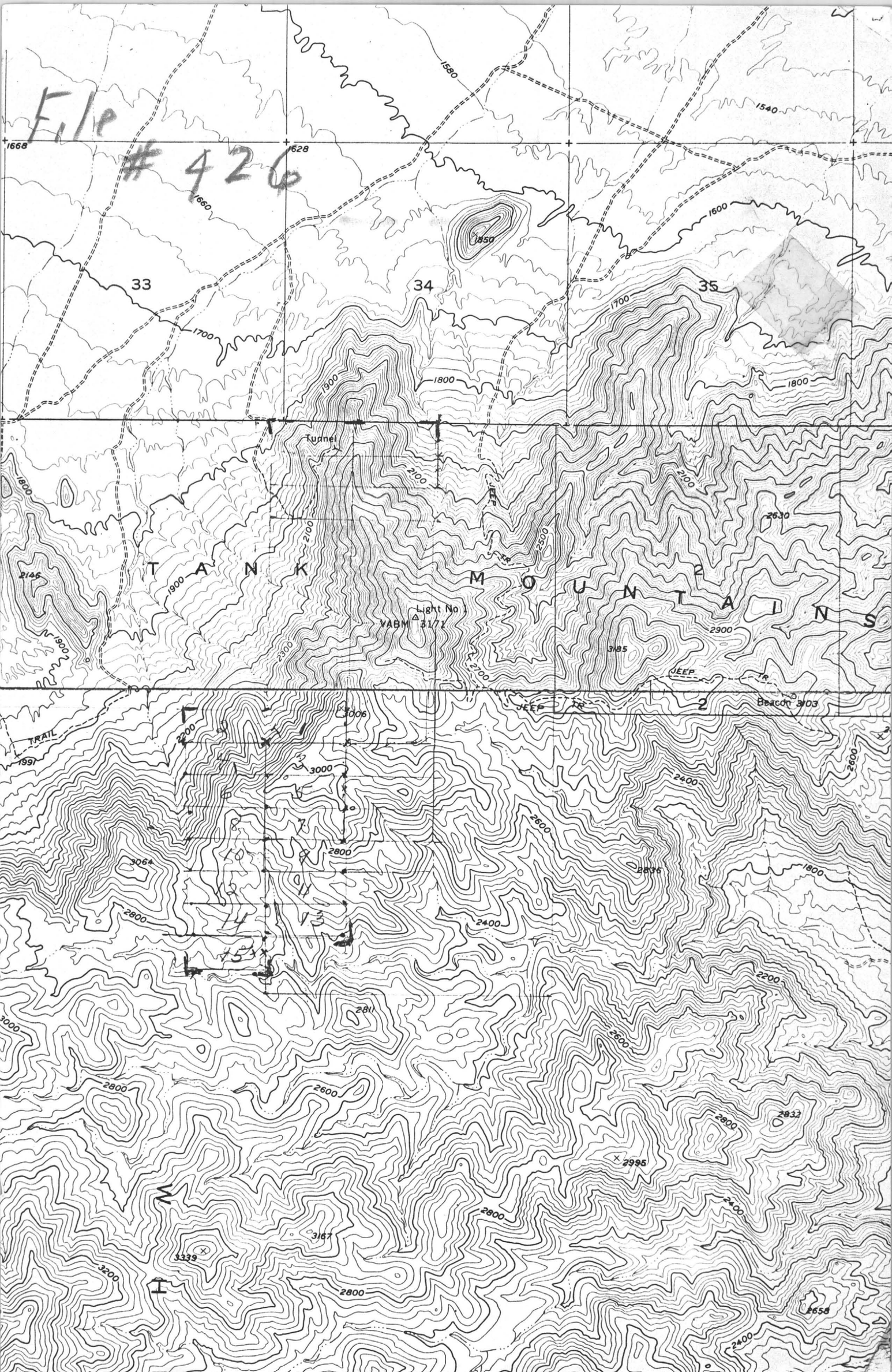
Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send												
(B) Receive												
(C) n separation												
(D) I	2000	2000	2000	600	2000	2000	2000	600		600		
(E) Vdc (avg) (a.c.)	673	232	133	18.0	140	57.8	40.2	6.13		62.7		
(F) DCcal												
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84				
(H) ρ dc=ExFxGx10^3/D	2019	1740	1995	1575	1050	867	1055	858				
(I) Vac Σ												
(J) AC noise x 2												
(K) Vac (corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	1.8	1.6	1.9	1.8	1.5	1.8	2.2	1.7		-0.7		
(O) MCF=(M-1)(10^5)/H	1	1	1	1	1	2	2	2				

3/27 1/4

9

File # 426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1850
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1800
Tunnel
2100
JEEP
TR
2300
2630
2146
TANK MOUNTAINS
Light No 1
VABM 3171
2900
3185
2700
JEEP
TR
Beacon 3103
3006
TRAIL
1991
2200
3000
2400
2600
2800
3064
2836
2811
3167
3339
3200
2995
2932
2658

INDUCED POLARIZATION SURVEY
Blue Star and Peacock Lode Claims
Vulture Mining District
Maricopa County, Arizona

for

GENEVA - PACIFIC CORPORATION

July 1969

by
HEINRICHS GEOEXPLORATION COMPANY
P. O. Box 5671, Tucson, Arizona 85703

TABLE OF CONTENTS

Page

Index Map

Introduction---------- 1

Conclusions & Recommendations---------- 3

I. P. Plan Map

Sectional Data Sheets Line 1 and Line 2

Basis of I. P. Method---------- 1a

GENERAL LOCATION OF

PEACOCK AND BLUE STAR LODE CLAIMS

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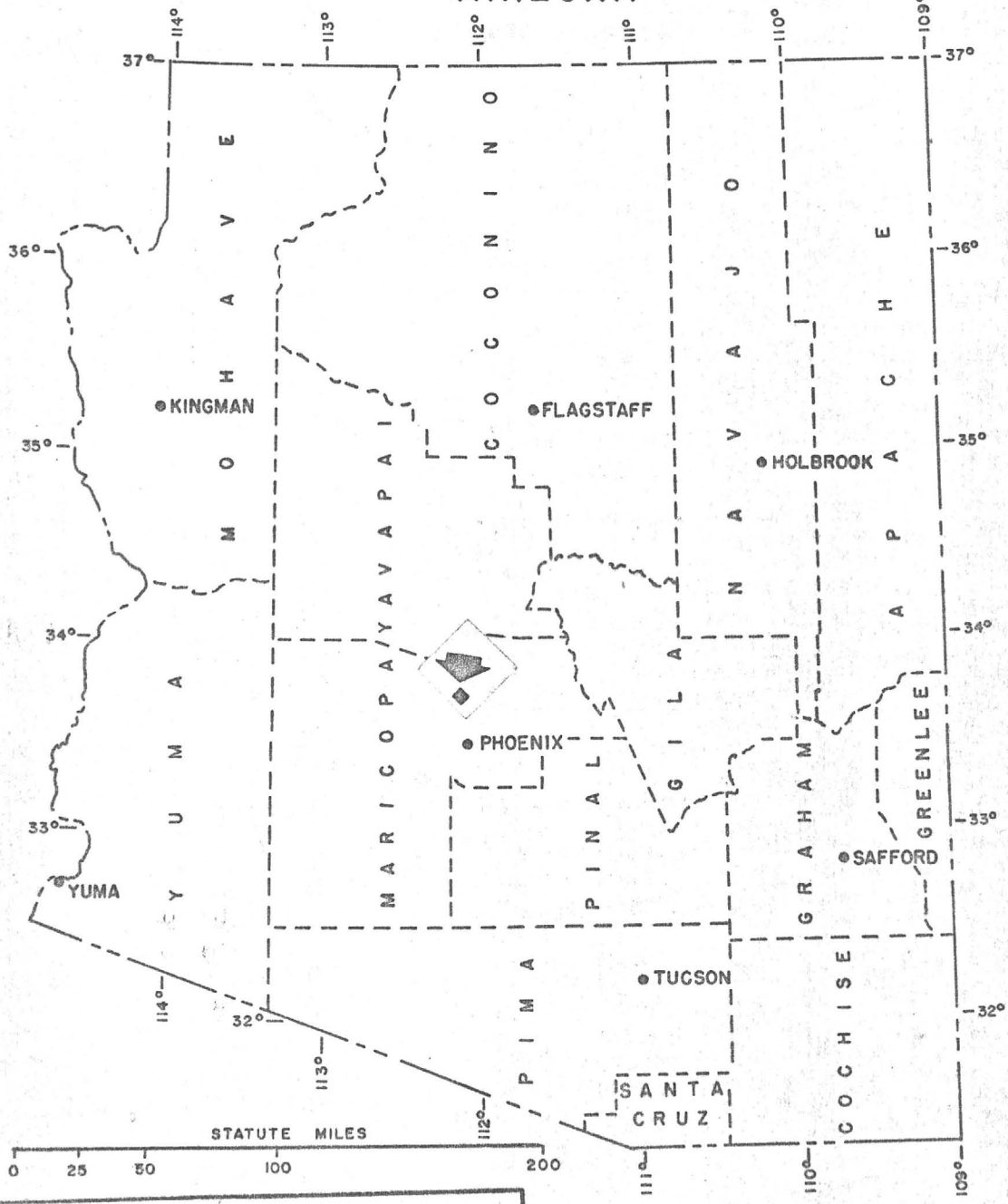
GENERAL LOCATION OF

PEACOCK AND BLUE STAR LODE CLAIMS

ARIZONA



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INTRODUCTION

At the request of Mr. Bradley Huedepohl, Vice President of Geneva Pacific Corporation, Heinrichs GEOEXploration Company conducted an induced polarization, resistivity and self potential survey over portions of the Blue Star and Peacock Lode Claims, in the Vulture Mining District located approximately fifteen miles west of El Mirage, Maridopa County, Arizona. The field work was done during the interim 14 - 16 July 1969.

Two induced polarization traverses were run using a dipole spacing of 500 ft. A total of 12,000 feet of surface coverage was obtained of which 7,000 ft. is "subsurface" plotted data. Both lines were run approximately northeast-southwest, to take best advantage of the known geology and topographic relief. The 500 ft. dipole spacing typically gives resolvable penetration from 100 ft. or less to a maximum depth of approximately 750 ft. The induced polarization technique used was the dual frequency system utilizing frequencies of 3.0 and 0.3 Hz. The electrode configuration used was the collinear dipole-dipole array.

Early mining activity in the area was apparently directed toward the discovery of gold; however, as minor amounts of copper mineralization were encountered, the possibility of additional sulfide mineralization at depth has been postulated. It was the purpose of this survey to help determine if economic concentrations of sulfide minerals were present at depth below the oxidized zone of the old surface workings.

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, with the self potential in profile form. The induced polarization traverses are shown on a location plan map of the Blue Star and Peacock Lode Claims.

GEOEX personnel involved in the field work were R. Palmer, geophysical crew chief; D. Kern and G. Cruze, technical assistants. Field supervision and report were done by John P. Matthews, Jr., geophysicist.

CONCLUSIONS AND RECOMMENDATIONS

Induced polarization effects were limited to background values on both lines, indicating that no significant concentrations of disseminated sulfide mineralization are present, at least to a depth of 500 to 700 feet. As the chances for significant mineralization at greater depth are poor, the economic potential of this prospect appears very limited, at least in so far as it was examined. For this reason, no additional geophysical work is recommended at this time.

INTERPRETATION

Line 1

I. P. effects are limited to background values along the total length of the line. Because of the extreme changes in topography, the resistivity data is rather erratic and no definite patterns are evident. The higher resistivity values noted on the northeastern and southwestern ends of the line are likely due to changes in the geometry of the array because of the topographic relief. No self potential anomalism was noted.

Line 2

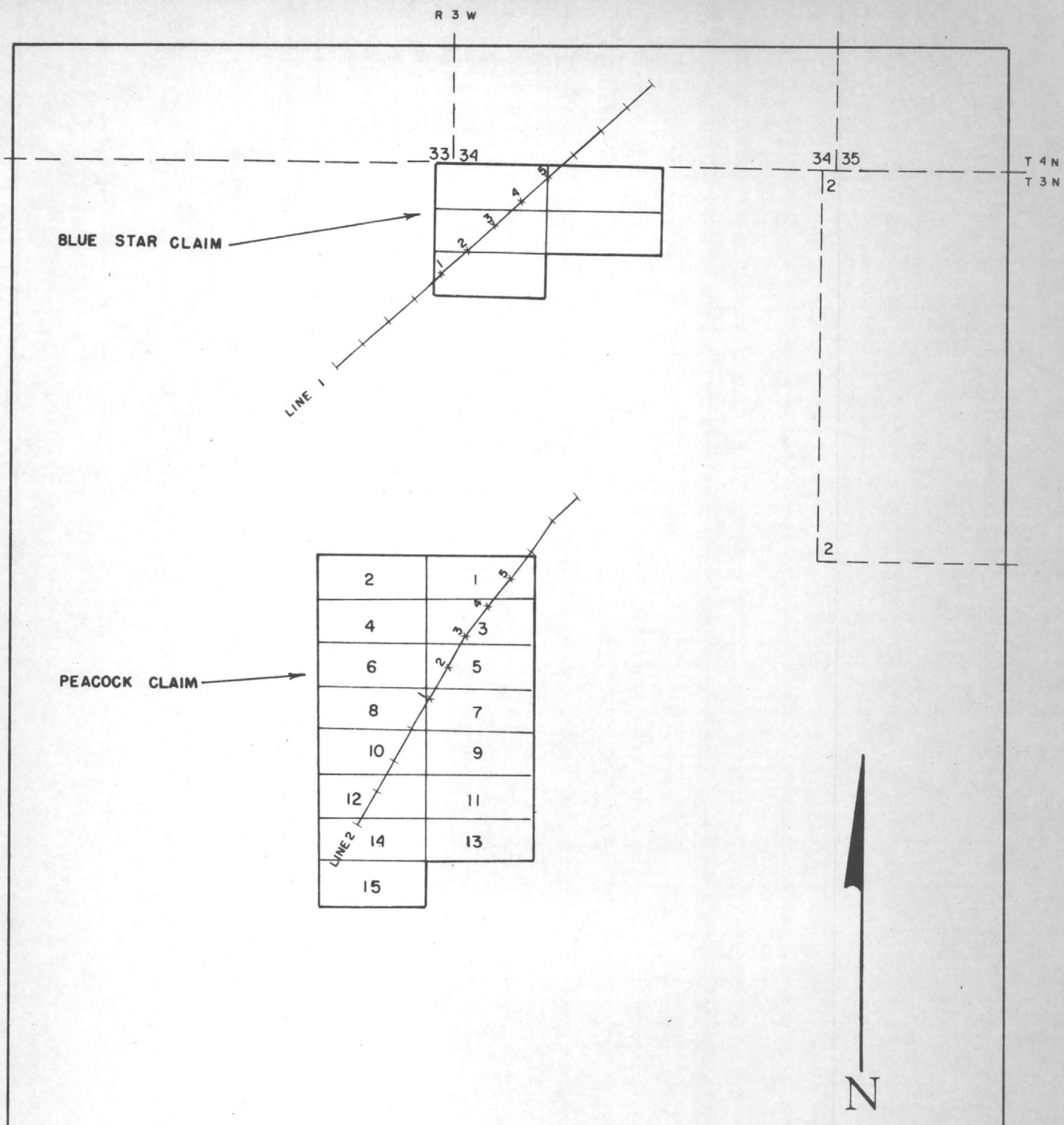
As with Line 1, all I. P. values are at background and no sulfide mineralization was detected. Two gradational resistivity changes are located approximately 500 ft. southwest and 1,500 ft. northeast of the center point. The resistivity change to the northeast is possibly due to a rock type change, while the one to the southwest is likely due to topographic effects. The broad general self potential low is probably caused by the topographic relief, rather than any significant concentration of actively oxidizing sulfides.

Respectfully submitted,
HEINRICHS GEOEXPLORATION COMPANY

John P. Matthews, Jr.
Geophysicist

Approved: _____
Walter E. Heinrichs, Jr.
President, General Manager

19 July 1969
Tucson, Arizona



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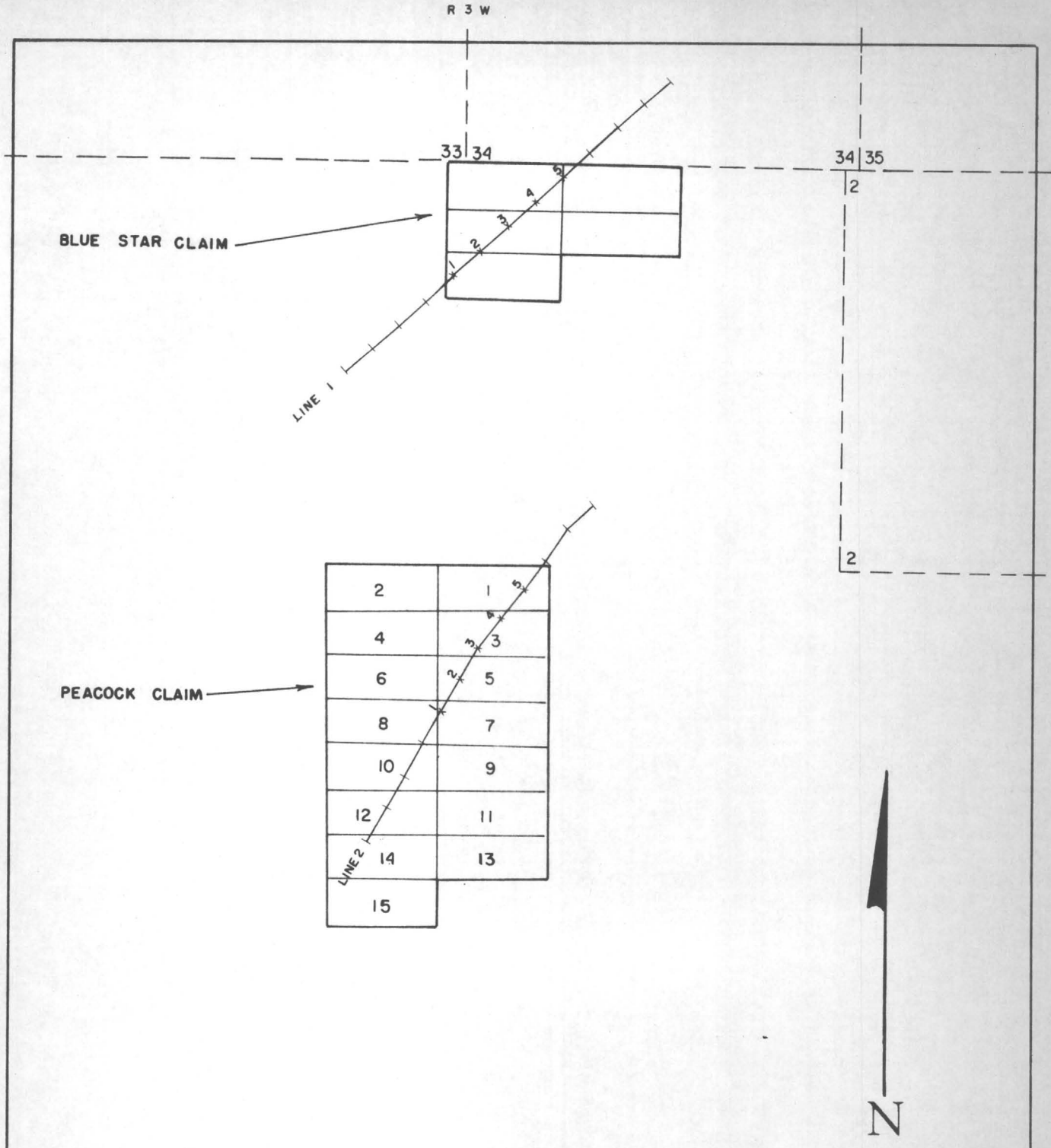
INDUCED POLARIZATION SURVEY PLAN MAP BLUE STAR & PEACOCK LODE CLAIMS

FOR
GENEVA PACIFIC CORP.

SCALE 1=24000	DRAWN BY J.L. PETRY	DATE JULY 1969



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INDUCED POLARIZATION SURVEY PLAN MAP BLUE STAR & PEACOCK LODE CLAIMS

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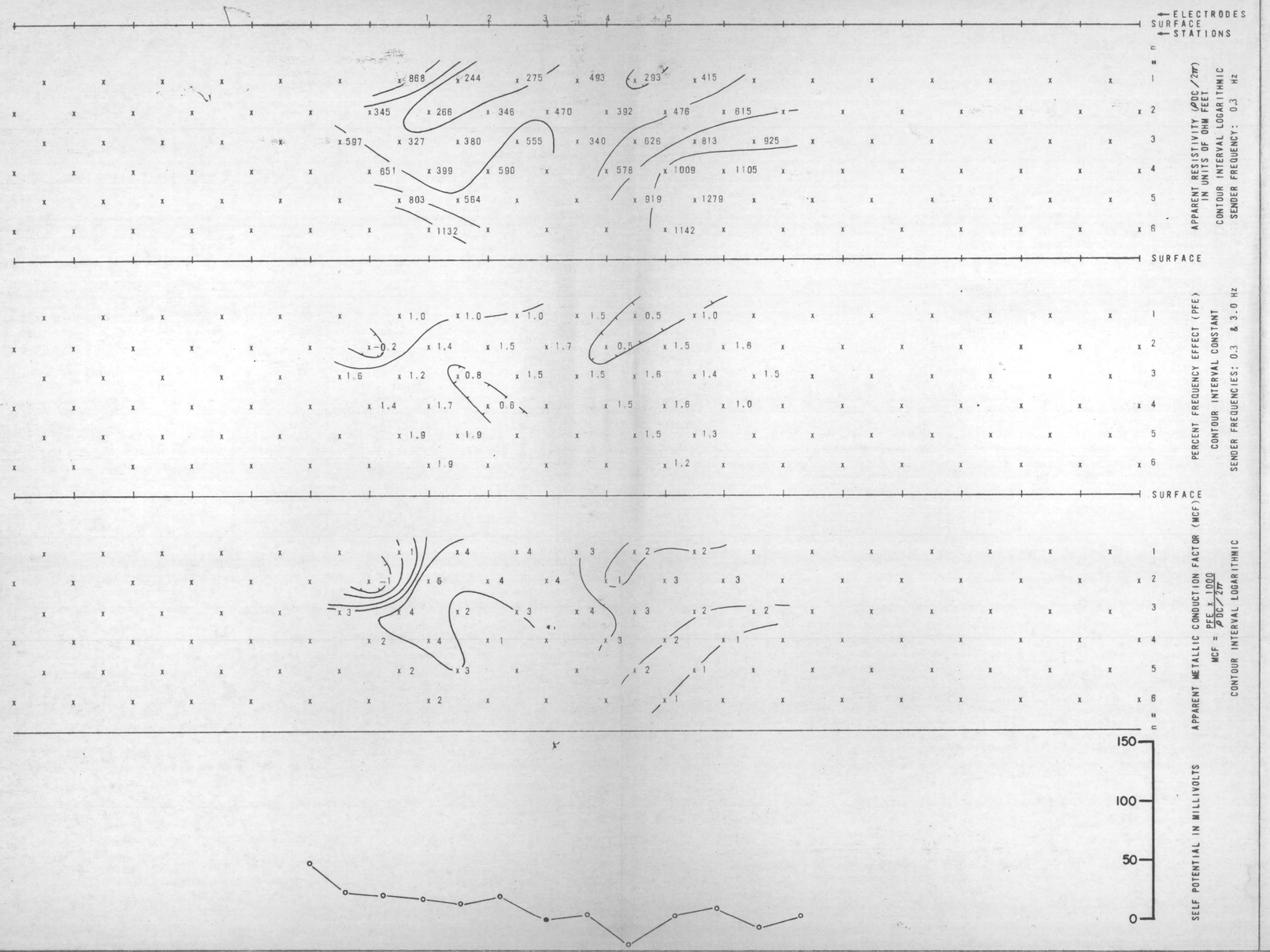
SCALE 1=24000	DRAWN BY J.L. PETRY	DATE JULY 1969



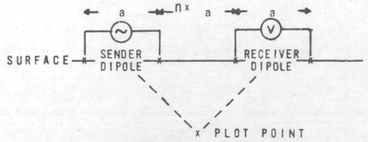
LINE NO. 1

SPREAD(S) 1

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for GENEVA PACIFIC CORP.

RELATIVE ANOMALY STRENGTH

DIPOLE DIPOLE ELECTRODE ARRAY



AREA
PEACOCK & BLUE STAR LODE CLAIM

LOOKING
N 42 W

DATE
JULY 1999

SCALE
a-500 FEET

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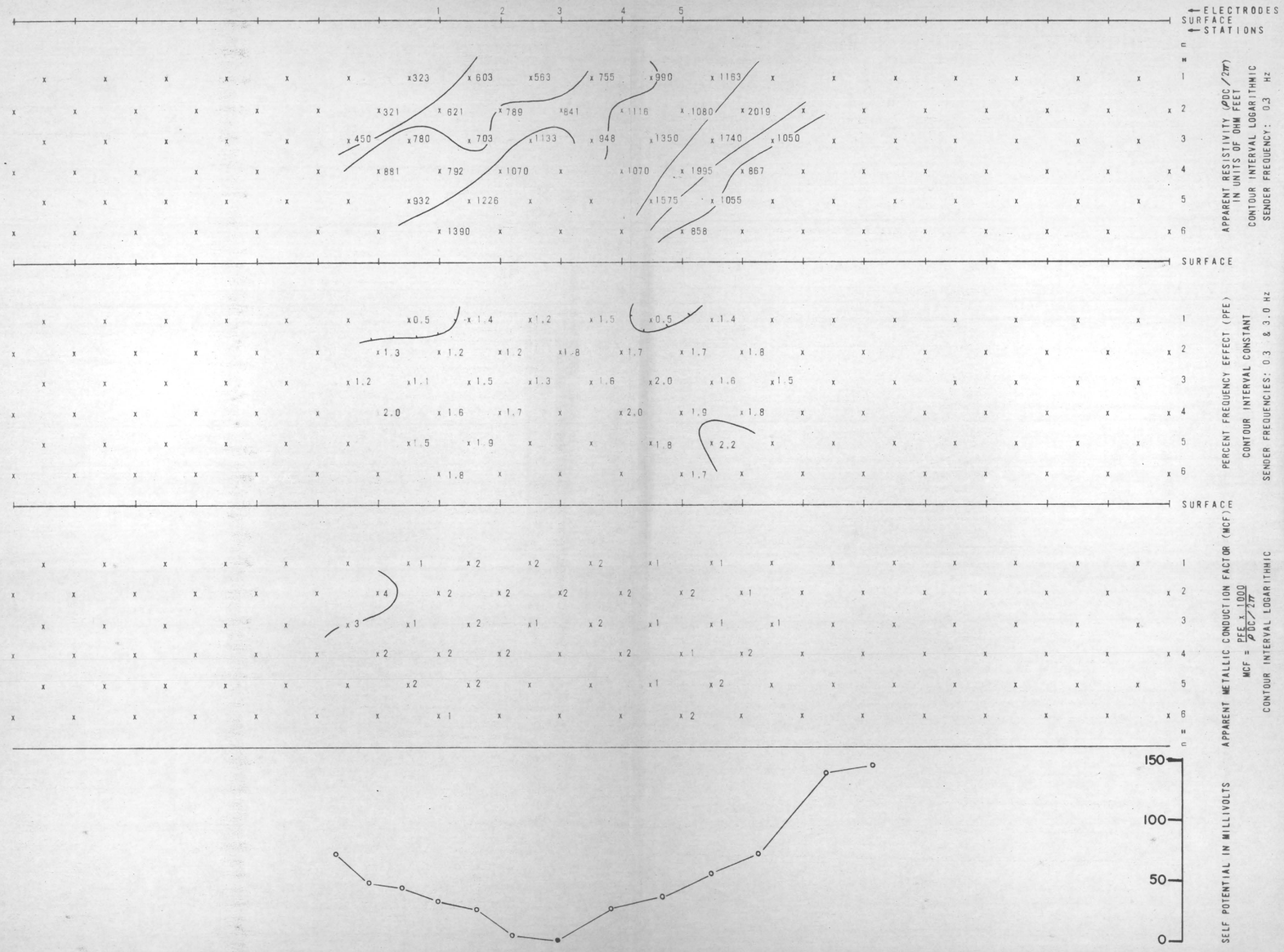


LINE NO. 2

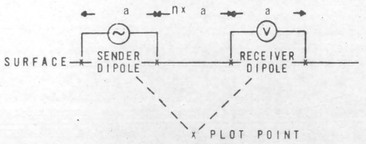
SPREAD(S) 1

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for GENEVA PACIFIC CORP.

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE DIPOLE ELECTRODE ARRAY



AREA

PEACOCK & BLUE STAR LODE CLAIMS

LOOKING

N 60 W

DATE

JULY 1969

SCALE

a-500 FEET

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