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JOB# 798 LINE# 1 SF	1/2 d3	LOOKING &	568°E	200+
AREA MO Claims Area		73 FREQUENCIES /		Z
& Little Hills Aven "	×	T × ×	*	20 + 4
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x 5,1	x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×475	× i	RESI
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x 35 x 35 x 12 x 12 x 12 x 11 x 11	x 2 . 6 x 2 x 4	(336	Sala	14 B
x 2.7	2.9 x4.6	x267 x382	x144 x219 x239	HZ 100
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x5.0 x4.4	x o. o. x x 3. j	x423 x505	x129 x158	8 7
x22 x23	1. v.	273	x167	
x 2 x 2 x 14 x 2 x 8	7.1x 7.5x 7.1x	x 208 x 212 x 272	x122	90 T
x 2.5 x 4.4 x 4.4	× 5.5	x183	x139	200
x9.9	No. 25	X211	x162 x 133	270
× × × × × × × × × × × × × × × × × × ×	× × × × ×	× × × 186	x 161	Ō
× × • ×	× 6 ×	- × ×	¥ ×	220
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	, D	1.0×18	ж ж	
		4 10 %		v

I. P. RECEIVER NOTES, JOB NO, AREA LITTLE HILL MINES  LINE, Half, Sr, a = 1000, BEARING \$ 64 ° E  SENDER STA. 104 170 = ELECTRODE No. 4, DATE												
SEND	1-2	2-3	1-2	3-4	2-3	1-2	1-5	3-4	2-3	1-2		
RECEIVE	160-1795	170-180C		180190€			190-200E			3		
MULTIPLIER	10	10	1.0	10	10	1.0	10	1,0	1.0	1.0		
PFE	4.4	120	1,2	6.3	3.5	1.8	1,5	3.1	1.2 06	0.4		
CUR. (AMPS)	3		(	1 5 Mars	3	in the second second second	5	7	3			
POINT No.												
SEP. (n)	3	3	12	3	12	30	3	12	30	60		
H. F. Mv	138	44-107	经里季公6	206	39,1	285	183	63.2	20.0	1918		
DRIFT		- '			-		-					
1.0 PFE Kn/1000		a Figure	The same									
0.3 PFE PCAL		ALC:										
O.I PFE PFEc												
3.0 MV P/2#	14 4	MINE	FALSE	129	163	297	1114	158	208	4020		
DRIFT MCF												
S. P.		+11.1-		+3.0	-		17.9 -					
Noise .				Part Service						17 - 27 - 31		
POT RES.									The second second			
CULT & CMTS		Grounded	vence of	1865								

I. P. RECEIVER NOTES, JOB NO, AREA												
SEND	5-6	4-2	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3		
RECEIVE	200-2101				>	210-220E						
MULTIPLIER	10	1,0	1,0	1,0	1.0	10	1.0	1,0	1.0	0.1		
PFE		1.7	2.6	₹ 1.6	20	0.5	1.5	20.7				
CUR. (AMPS)	5	and the same	A Campaigneen	3	- Samerania	5	incomentation and engine	0.3112	2.6	121.0		
POINT No.									200	200		
SEP. (n)	3	12	30	60	105	3	12	30	60	105		
H. F. Mv	146	48.8	267	10.8	11.6	223	55.5	27,0	16.6	0.7.47		
DRIFT		17-119		7	-	-	-	1-				
I.O PFE Kn/1000												
0.3 PFE PCAL												
O.I PFE PFEc					300000000000000000000000000000000000000		1.72	or Carte Land		CALLED TO		
3.0 MV P/2#	31	122	167	225	423	137	157	169	208	475		
DRIFT MCF							355546					
S. P.						+5.2						
Noise										V 12 13 14 15		
POT RES.			1					14 TH CO.				
CULT & CMTS						No. of the last		No.				

I. P. RECEIVER NOTES, JOB NO, AREA												
SEND		6-7 1	5-6	4-5	3 4	2 - 3	4.7	5-6	4-5	3-4		
RECEIVE	MS THE	220-2308					230-240E					
MULTIPLIER	0.1	1,0	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0,1		
PFE	1.2	potent to						Silver they are said				
CUR. (AMPS)	0.3 Hz B	0.25	0.8	0.4	28	30.4	0.3	1.2	1.0	3.0 %		
POINT No.					The second second				A American	1100		
SEP. (n)	168	12	30	60	105	168	30	60	105	168		
H. F. Mv	01865	64.2	26.4	14.6	0.3.67	4.66	32.6	14.9	9.63	688		
DRIFT		- 18	harr .	-	- '	-	-	-		a distribution of		
I.O PFE Kn/1000					A Company							
0.3 PFE PCAL	Married B.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1									
O.I PFE PFEc				2-4			200000000000000000000000000000000000000	100				
3.0 MV P/2#	505	161	165	183	12/2	272-	204	18L		471		
DRIFT MCF									and the second or	かとは変数		
S. P.		700	+ 21.7	and the second second			-24.5-					
Noise		CHE AT LET		The Control	The state			4-16		19 1 91 197		
POT RES.				M. S. C.				STATE OF	1.12	THE PLANT		
CULT & CMTS								El layear main		A Page 1		

I. P. Receiver Notes, Job No, Area											
SENDER STA.	170E =	ELECTRO	DE No. 4	-	3-20	-				15-6	
SEND	2-3	3-4	4-5	5-6	6-1	1-2	2 - 3	3-4	17	5 - La	
RECEIVE	140-130E					130-150E				1.0	
MULTIPLIER	10	110	1.6	1.0	1.0	10	1.6	1.6	1.0	1:2	
PFE	2.3	5.6			3.3				NOTE OF STREET	The September of the Control of the	
CUR. (AMPS)	2	5	a series in the second			3	Commen	2			
POINT No.											
SEP. (n)	3	12	30	60	105	3	15	30	60	105	
H. F. Mv	115	65.8	38.3		295						
DRIFT							PER DESCRIPTION			E WARANT.	
1.0 PFE Kn/1000		3.3	2.7	4.4	3.3	2.6	2:5	5.6	2.4	2.7	
O.3 PFE PCAL	gri e jelye je						Bury Car	- 4 2	-	40.6	
O.I PFE PFEc		165	239	309	438		73	195	du 1 4	200	
3.0 MV P/2#	12.0	(A.)	38.3	24.7	20.0		24.6/62	2.2.8	17.1	12/2	
DRIFT MCF				-1-	-	15200		The state of			
S. P.	+11.9					-206 -	and the results of				
Noise									2000年		
POT RES.											
CULT & CMTS								200			

I. P. RECEIVER								4-12		INRICHS EOEX
SENDER STA.	170E =	ELECTROD	E No. 4	, DATE	E 3-20-7	-3		ii V	JJ G1	TOEX
SEND	6-7	1-2	2.3.	3-4	4-5	5-6	1-2	2-3	3-4	4-5
RECEIVE	130+120E	120 - 110E	~				110-100E			
MULTIPLIER	8410		1.0	1.0	1.0	10.1	1700	1.0	34.0	1.0
PFE						3.4 %	44			CONTRACTOR OF THE STATE OF THE
CUR. (AMPS)	5			5	and the second	and the second second	3 —		5	
POINT No.			10743			1.5	7	10	100	11.0
SEP. (n)	168	112	30	60	105	160	30	60	105	168
H. F. Mv						7.86				112.3
DRIFT		10 P. E.	100				19 50 123			
1.0 PFE Kn/1000	2.5	246 2.8	2.7	5.6	2.0	3,6	347	2.13	1447	2.0
0.3 PFE PCAL							- 0	200	-2 63	1 3 1
O.I PFE PFEc	382	194.	19	198	27-6	336	319	252	308	4 3 1 2
3.0 MV P/2#	10.9	3464.1	1715,3	15.8	12.6	19.60	3016	12.1 3	1411	12.3
DRIFT MCF		- 1		1 -	-	-		15 10 10	-	
S. P.	Harrie Ha		e e e e e e e e e e e e e e e e e e e							
Noise					S MARINE					
POT RES.	1 2 3 4			7 VA 7					The second second	
CULT & CMTS										

CONTROL OF THE PARTY OF THE PAR

I. P. RECEIVER LINE SENDER STA	HALF W	, Sr	3, a =_	1000	BEARING_	4/	<u> </u>		HEI	INRICHS SOEX
SEND	100 200E	2.3	3-4							CAL 1-Z
RECEIVE	100-908	1		CONSORTE FAMILIA						
MULTIPLIER	0.1	0.1	0.1				THE PARTY AND			
PFE										0.0
CUR. (AMPS)	3		5							1-0-1
POINT No.										1
SEP. (n)	60	105	168							200
H. F. Mv										1288
DRIFT				All markets						- 6.3
I.O PFE Kn/1000	2.6 ?	2.1	6.0??							-0.2
0.3 PFE PCAL										3-63
O.I PFE PFEc	202	169	188					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		202
3.0 MV P/2π	9.70	4.64	5.36							288
DRIFT MCF		-								
S. P.									5 5 5 5 6 5 5	
Noise						10.00				
Pot Res.				mar ship to the second						
CULT & CMTS										

LINE 1	PAGE											
SENDER STA.	2-3	ELECTROD	E No. 1	, DATE	1-2	14-5	3 - 4	2-3	1-2	5-6		
RECEIVE	90-100E	THE RESERVE OF THE PERSON NAMED IN	Part of the Local Sci			1110-120E				120-130		
MULTIPLIER	10	1.0	10	10	1.0	10	1.0	1.0	1.0	10		
PFE	0.3	0.0	0.4	0.6	0.3	0.6	0.4	0.8	0.6	每1.4		
CUR. (AMPS)	9	1009	9	9	5/	18 78 2	7	9	7			
POINT No.	Was to the								Prototo			
SEP. (n)				Telephone I			- A Parelly	SEAL STRAIGHT				
H. F. Mv	410	81.5	201	224	66.9	262	36.5	76.5	32.9	543		
DRIFT				-	-				-			
1.0 PFE Kn/1000	3	12	3	12	30	3	1	30	60	3		
0.3 PFE PCAL	1.0526									y		
O.I PFE PFEc	Berry.		THE CANADA	Establish .			Arma (A	P 7 C	231	To pres y		
3.0 MV P/2#	144	144	71	314	235	110	51	268				
DRIFT MCF			man a see									
S. P.	+24.4 -		+12.2		Nga-	+41.9			Laurence of the Control	+13.1		
Noise												
POT RES.			200	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
CULT & CMTS	No. of the last		100					J. C. C. Tale				

				STORES STORES										
LINE_	LINE, SR, Q = 1000', BEARING 570'E  SENDER STA = ELECTRODE No, DATE													
SEND	No. of the last	4-0	7-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	1-2			
RECEIV	/E	120-130E			7	130-140E					>			
MULTIF		1.0	1,6	1.0	1.0	10	10	10	1.0	1.0	1,0			
PFE		0-3	0.83	3.6	0.6	每1.1	1.1	1.2	178 1.1	1.6	1.4			
CUR. (	AMPS)		6,	9	9-19	3	5	7	9	9	1000			
POINT	No.			ALB TARE										
SEP. (	n)							1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1						
H.F. N	٧v	6.89	18.9	43.0	2016	328	136	38.6	15.6	387	20.5			
DRIFT		1		-		-	-		-	and the fill				
I.O PFE	Kn/1000	12	30	60	105	3	12	30	60	105	168			
0.3 PFE	PCAL								5 15 15					
O.I PFE	PFEc										A PARTITION			
3.0 MV	P/2#	124	66	302	253	1207	344	1 / 40	109	Series de la constant	403			
DRIFT	MCF													
S. P.		9:	-9.7		>	-9.7 -								
Noise				PAR ALLES										
Pot R	ES.						AL OLG THE	Remarks and the second						
CULT 8	CMTS		ALC: TO THE	Was Street						E Control of	The second of			

I. P. RECEIVER NOTES, JOB No. 798, AREA LITTLE HILL MINES  LINE, HALF, SR, a = 1000, BEARING  SENDER STA. 90 = ELECTRODE No. 4 , DATE												
	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4	6-7		
RECEIVE MULTIPLIER	40-150E	1,0	1.0	1.0	1.6	150-60E	1.0	1.0	±0.1	1.0		
PFE Cur. (AMPS)	2.6	2.4	18 2.2	3.0 ?	30?	2.3	2.6	7	9	5,677		
POINT NO.												
H. F. Mv	80.4	53.5	23.4	11.0	28.3	26.7	21.2	11.3	5.73	16.3		
I.O PFE Kn/1000	12	30	60	105	168	30	60	105	168	60		
0.3 PFE PCAL  O.1 PFE PFEc					1-1-1		200	178	114	206		
3.0 MV P/2π DRIFT MCF	203		211	135	556	16 7	268	0.0				
S. P. Noise	+24					+3.9 -				F8.3		
POT RES.												

- LINE	P. RECEIVER NOTES, JOB NO. 798, AREA LINE HEINRICHS  LINE 1, HALF S. SR. 2, a = (DOD', BEARING)  ENDER STA. 90 = ELECTRODE NO. 4, DATE												
SEND	5-6	4-5	Design of the	CAL				EEE T					
	160-170E												
MULTIPLIER	No	0.1											
PFE	5.67	5.2 ?		0									
CUR. (AMPS)		7											
POINT No.						1							
SEP. (n)													
H. F. Mv	14.7	7.89		285									
DRIFT	1			-				DV-CM CALL					
I.O PFE Kn/1000	105	168		4/32									
0.3 PFE PCAL					4 7 5 5								
O.I PFE PFEc				E ATTENDED									
3.0 MV P/2#	325	199											
DRIFT MCF			A STAN							Trade Teach			
S. P.		S. Carrier								1000			
Noise													
POT RES.				Section 1									
CULT & CMTS	Schist	(1) · · · · · · · · · · · · · · · · · · ·											

I. P. RECEIVER	NOTES,	Joв No. <u>79</u>	8, ARE	1000	, BEARING	MINES NG4°W		#_/\x	HEI	5 NRICHS
SENDER STA.								A. A	GE	OEX
SEND	3-4	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	70-60 E	60-50E					50-40E			>
MULTIPLIER	10	10	1.0	1.0	0.1	0.1	10	10	1.0	1.0
PFE	0.5	0.6	0.4	0.4	0.4	0.5	0.4	0.6	0.4	0.6
CUR. (AMPS)	9	9	9	17	5	5	9	9	7	1 +
POINT No.								of the second		
SEP. (n)			Carried St.							
H. F. Mv	202	188	29.5	14.5	10.74	15.76	350	131	Rf F	18.0
DRIFT	-			-				turi-		~
1.0 PFE Kn/1000	3	3	12	30	60	105	3	12	30	60
0.3 PFE PCAL								2444		
O.I PFE PFEc				A Baralian				10 6		
3.0 MV P/2#	71	66	41	65	1360	1127	88	184	17 +	1 No Z-
DRIFT MCF										
S. P.					1					1-12-1
Noise		100								
POT RES.							12			
CULT & CMTS	GME PART	1							The same	

LINE 1	LINE 1, HALF W, SR 2, a = 1000, BEARING N 400  SENDER STA. 30 = ELECTRODE NO. 4 , DATE 20673											
SENDER STA.	5-6	6-7	1-2	2-3	3-4	4-5	5-6	181-2	2-3	3 - 4		
RECEIVE	50 -40E	CHARLES AND A STATE OF SALE	40-30E		2		>	30-20€				
MULTIPLIER	1.6	0.1	1.0	1,0	0.1	0.1	0.1		La	611		
PFE	1,2	131.2	0654	0.8	1.2	0.4	Oico			0.8		
CUR. (AMPS)	5	57	5	9	9	7	5	9	7	9		
POINT No.					1							
SEP. (n)												
H. F. Mv	15.4	8.89	85.1	43.4	10.08	7.54	7.01	17		7.95		
DRIFT	-			7	-	-						
I.O PFE Kn/1000	105	168	12	30	60	105	168	30	60	105		
0.3 PFE PCAL					1	4.0						
O.I PFE PFEc	N.									SNEED		
3.0 MV P/2#	341	314	119	152	71	119	443			7.5		
DRIFT MCF								1 1 1 1 1 1 1 1 1 1				
S. P.		Lines Silver			9 4 5		100					
Noise								MAY	1 GA 3 5			
POT RES.		All and a second	12.74.1	and the same				6,1,1				
CULT & CMTS	3							The second		and policy and the		

LINE	I. P. RÉCEIVER NOTES, JOB NO. 798, AREA LITTLE HILL MINES  LINE , HALF , SR 2, a = 1000, BEARING  SENDER STA. 90 = ELECTRODE NO. 4, DATE											
SENDER STA.	4-5		Control of the Contro	3-4		S.P.						
	30-20E	The second secon	a-municipal de la companya de la com			90-80E						
MULTIPLIER	0.1			0.1		PENEL WIT				ALC: NO		
PFE	0.4			0.6-1.0								
CUR. (AMPS)	7	- 9	9	9					an Is			
POINT No.		7-2-										
SEP. (n)									The second second second			
H. F. Mv	6.69			5.41		7 7 7 7 7 7 7						
DRIFT	4											
1.0 PFE Kn/1000	168	60	105	168			1					
0.3 PFE PCAL	1						1			5 (ASDED		
O.I PFE PFEc	4						(			Contraction and Section and Section 1		
3.0 MV P/2#	162			10%								
DRIFT MCF							(0)					
S. P.						+6.5						
Noise			THE SECOND				14					
Por Res.	193	MAY READ	>)									
CULT & CMTS												

The same of the sa

-6	)

HEINRICHS GEOEXPLORATION CO. PROJECT LINES HILL MINES

PAGE

	. I. F	P. SEN	DER NO	OTES	LINE		HALF_	SP.	DA	TE/26/73
SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE	90-100E		100-110E		>	115-120E			>	20-130€
RANGE	30× 200	300 700	302000	30×300	39×300	30x2333	30t 300	304,300	204300	30x 1666
VOLTAGE	200	3.50	175	225	350	4600	180	290	360	560
CURRENT	9000	9777	9000	9 2000	7000	7000	9000	9000	9000	5000
SEND	4-5	3 -A	2-3	1-2	6-7	5-6	4-5	3-4	2-7	1-2
RECEIVE	20 130E -	4		>	130-140E					
RANGE	30×333	30K320	30x300	30×300	201666	301/46.6	3042333	304300	30x 300.	30/300
VOLTAGE	460	180	220	390	480	520	440	180	220	340
CURRENT	7000	9000	9000	9000	5006	5006	7000	9000	9000	9000
FREQUEN	CIES 10	01		COMMEN	NTS:  -	2 3	30 + 30	9 = 00		
SENDER	NO. 66	945			Z.	3 3	0 × 30			
OPERATO	R John	Lund	- nen		3 -	4	0 × 30		7	
RECEIVE	R NO.		1	Lo	we to	- 6	D x 10	0+66.6	5	
ODERATO	D Ph	137 1	American Comments		6	7 7	30 x 100	+66.6	* 5	

										PAGE 2
	HEIN	P. SEN	DER N	OTES	PR	OJECT.	_ HALF_		2 D	ATE2/26
SEND	/ 21	y+ 37	1.5	2 -1	7-3	1-7	5-6	4-5	7-4	6-7

SEND	6-7	5-6	4-5	3-4	2-3	6-7	5-6	1-5	3-4	6-7
RECEIVE	140-150E			>	(distinction)	150-160				160-170E
RANGE	30-1666	30×166	301233	30K300	304300	30× 166.6	308166	301333	364300	30/166
VOLTAGE	480	550	940	160	220	460	590	440	160.	460
CURRENT	5000		7000	9000	9000	5006	5000	7000	9000	5000
SEND	5-6	4-5		CAL						
RECEIVE	160-170E	>		5-6						
RANGE	301166	(30)23	3	304100						
VOLTAGE	540	440		2310						
CURRENT	com	7000		3000			10000			

FREQUENCIES
SENDER NO. 6644
OPERATOR John Lundown
RECEIVER NO.
OPERATOR Phil MAINERS

COMMENTS:

COMMENTS:

SENDER NO. OPERATOR In Henricas RECEIVER NO.

FREQUENCIES\_

**OPERATOR** 

30x 300 = 20×300

30× 16665 5

30/300 = 9

		*	
6		A	1
+	T.	V	1
		4	

HEINRICHS GEOEXPLORATION CO.

PROJECT LITTLE HILL MINES

PAGE

I. P. SENDER NOTES LINE HALF SP. 2 DATE SEND RECEIVE RANGE VOLTAGE CURRENT SEND RECEIVE RANGE VOLTAGE CURRENT FREQUENCIES **COMMENTS:** SENDER NO.

phn Burgarer OPERATOR

RECEIVER NO.

OPERATOR -

I. P. RECEIVER NOTES, JOB NO. 778, AREA LIME HILL MINES  LINE, HALF, SR, a = 1000, BEARING N 69° W  SENDER STA = ELECTRODE NO, DATE											
SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-69	6-7	2-3	
RECEIVE	0-100 -	>	10-200			20-304			-7	30-40W	
MULTIPLIER	10	1.0	110	1.0	1.0	1.0	1.0	110	0.1	1.0	
PFE	-0.6	+0.2	0.6	0.64	1.0	0.6	0.7	0.8	1.3	0.2	
CUR. (AMPS)											
POINT No.											
SEP. (n)						12-16-71-7-16-9			27/12/19/19		
H. F. Mv	187	46.4	96.2	26.9	130	53.9	24.6	11.4	6.87	91.2	
DRIFT		+0.1	Y-11-12	-	-	-		-	-		
1.0 PFE Kn/1000	The state of	P. T.	10.2	1.2	Tag to the state	100	12	138	600		
0.3 PFE PCAL					Service Services	Secretary of the last					
O.I PFE PFEc											
3.0 MV P/2#	64	63	33	37	44	18	34	39	147	51	
DRIFT MCF	-9.4	13.2	18	16	25	33	21	21:	20	6 3	
S. P.	+485-		130.5			+41.2 -				161.8	
Noise								o tell 150 m	2000		
POT RES.											
CULT & CMTS				12.13.00							

I. P. RECEIVER	Norre	los No 79	2 April	1 000	e 14	MINE	<	As	PAGE	Z
									I HE	NRICHS
LINE								# 1	GI, GI	EOEX
SENDER STA	6=	ELECTRO	DE No	, DAT	E_2-16-	+ 5		400		
SEND	3-4	4-5	5-6	6.7	1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	30-40W	14		>	40-500			12		
MULTIPLIER	1.0	0.1	O:1	0.1	1,0	0.1	0.1	0.1	0.1	0.1
PFE	0.4	0.6	0.4	1,2	0.4	0.7	0.6	5.8	0.8	6.81
CUR. (AMPS)										
POINT No.		2 50 0 1								
SEP. (n)										
H. F. Mv	12.7	10.01	5.58	3.71	80-8	9.61	5.73	5.31	3.37	2.45
DRIFT			-	r	M Marine		-	-		
I.O PFE Kn/1000			16000	1000		12.	2 300	7114		
0.3 PFE PCAL					THE RESIDEN					
O.I PFE PFEc										A THE RESIDENCE OF THE PARTY OF
3.0 MV P/2#	17	34	38	44	28	13	20	36	40	44
DRIFT MCF	23	18	111	127	14	54	30	22	20	11
S. P.	+41.8 -			- Bow-	38.8					
Noise	44									
POT RES.										
GULT & CMTS				Market In the						

LINE_	I. P. RECEIVER NOTES, JOB NO. 798, AREA LINE HILL MINES  LINE 1, HALF W, SR 1, a = 1000, BEARING N 69°W  SENDER STA. 0 = ELECTRODE NO. 4, DATE 2-16-73												
SEND		1-2	2-3	3-9	4-5-	5-6	1-2	2-3	3-4	4-5	三宝 1-2		
RECEIV	E	50-60W					60-70W				70 au		
MULTIP	LIER	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	6.1	0.1		
PFE		0.8	0.6	0.5	0.8	0.8	1.2 %	1.4?	0.9	1,2	1.5. 2.		
CUR. (A	MPS)												
POINT	No.												
SEP. (	n)												
H. F. N	١٧	10.09	5.14	4.45	4.40	2,96	4.34	3.28	320	327	2.48		
DRIFT		4		-	-	-	-	-					
I.O PFE	K <sub>n</sub> /1000		90	60 11	108	ACR.		60	1087		60		
0.3 PFE	PCAL				MI TOTAL	1.540							
O.I PFE	PFEc					THE WAY				THE SECTION			
3.0 MV	ρ/2π	14	18	30	53	57	15	22	38	63	t disable		
DRIFT	MCF	57	33	17	15	14	80	64	24	1.7	24		
S. P.		+19.0 -					+18.8 -						
Noise					the contract of the contract o		AS PER						
POT R	ES.										8K		
CULT 8	CMTS	Good North	-South	Pine	at 56	west		The Market					

1. P. RECEIVER NOTES, JOB NO. 798, AREA LITTLE HILL MINES  LINE, HALF, SR, a = 1000, BEARING HEINRICHS  SENDER STA = ELECTRODE NO. 4, DATE											
SEND	2.3	3-4		4-5		1			DECEMBER 1		
RECEIVE	70-80W	——->		CAL							
MULTIPLIER	0.1	0.1		A STATE OF						ALC: NO	
PFE	1.4	1.2		+0.0							
CUR. (AMPS)		-7.0									
POINT No.	Variation of the	0.608									
SEP. (n)						K-100					
H. F. Mv	2/10	2.12		293							
DRIFT	-	~		per .							
1.0 PFE Kn/1000		168									
0.3 PFE PCAL											
O.I PFE PFEc											
3.0 MV P/2#	25	4)				Harden Marian					
DRIFT MCF	56	29									
S. P.											
Noise		A COLD									
POT RES.				(F.)							
CULT & CMTS				1000							

I. P. RECEIVER	Notes .	los No 79	8 April	I VIELE	Hick	Minues		A	PAGE	5
LINE										NRICHS
SENDER STA.								L H	GI.	OEX
SENDER STA.	<u> </u>	ELECTRO	DE INO.	, DATE		7.3				
SEND			4-5	5-6	4-5	3-4	2-3	1-2	6-7	5-6
RECEIVE	0-10E	10-20E	20-30E	30-40E	-			>	40-SOEL	
MULTIPLIER			10	10	1.0	1.0	0.1	0.1	10	1.0
PFE			1.6	0.6	1.2	0,4	1.3 ?	0.8	0.4	0.6
CUR. (AMPS)	0	-0								
POINT No.	4	4			12-12-12					
SEP. (n)			TO A LOCAL DE					17/2		March 1
H. F. Mv	<b>计算条件</b>		222	223	46.9	19.3	7.25	4.02	398	82.0
DRIFT			-0.2	11-4-1	-	4	of Contract of the	-		
1.0 PFE Kn/1000			3	3	12	30	60	105	3	12
0.3 PFE PCAL	1.023									
O.I PFE PFEc										
3.0 MV P/2#			76	76	64	66	149	48	136	10/12:00
DRIFT MCF	No. of the last		2-1	7.9	18	6.1	2.7	177	2.9	5.4
S. P.	+27.6	+ 19.2	+59.5	+4.1 -					+100-	
Noise										
POT RES.		Constant Constant	IRK							
CULT & CMTS	Cond	Course at	23E	4 1 E						

LINE SENDER STAL	, HALF E	, SR	, a =	1000'	BEARING S	64°E			THE	INRICHS FOEX
SEND	4-5	3-4	2-3	1-2	4-7	5-6	4-5	3-4	2-3	6-7
RECEIVE	46-50E			- des	50-60E	1186				60-70E
MULTIPLIER	1.0	1.0	0.1	0.1	1.0	110	0.1	0.1	0.1	1,0
PFE	ES 14	1.237	0.477		0.7	s lo 包含本	0.7?	0.6		0.4
CUR. (AMPS)										
POINT No.		LIVE NO.								
SEP. (n)								Contract of		A CONTRACTOR OF THE CONTRACTOR
H. F. Mv	35.1	18.9	8.13	4.69	42.7	17.1	9,85	5.91	2.75	50.4
DRIFT	- 1				-1		-	_	-	
1.0 PFE Kn/1000	30	60	105	168	12	30	60	102	168	30
0.3 PFE PCAL	1.023				1				The lease of	
O.I PFE PFEc										
3.0 MV P/2#	120_	129	37	90	58	58	67	71	53	172
DRIFT MCF	12	9.3	4.1		130	10	10	8.5		2.5
S. P.					+30.5 -					
Noise				1.0 4105-012						
POT RES.			E							
CULT & CMTS					and fe	nce at	65 E			

I. P. RECEIVER	NOTES, J	ов No. <u>79</u>	8 , AREA	LITTLE	HILL F	1 mes		An.	PAGE_	7
LINE_1	, HALF	, Sr	1 , a =	1000.	BEARING_	5-64°E	5 74°E		HEI	NRICHS
SENDER STA.	0 =	ELECTRO	DE No. 4	, DATE	2-17-	73		Off. C		
SEND	5-6	4-5	3-4	6-7	5-6	4-5				
RECEIVE	60-70E -			70-80E	-					
MULTIPLIER	1.0	1.0	110	1.0	110	110				
PFE	0.6	1.87	0.87	110	0.7	1.7				
CUR. (AMPS)				1-0			1 10 10 10			
POINT No.			有三层下					A STATE OF THE STA		
SEP. (n)					The Carrier			1 (apr 2 at 15)		AND THE STATE OF
H. F. Mv	24.7	16,6	10.5	32.2	18.5	13.7				
DRIFT	-	~		R. A. L. S.	-		at and a			NAME OF STREET
I.O PFE Kn/1000	60	105	168	60	105	168				HOLES AND B
0.3 PFE PCAL	\$ 1.023						LA BOOK			
O.I PFE PFEc							Bler Keller			2153103
3.0 MV P/2#	169	198	201	220	221	262				
DRIFT MCF	3.6	9.1	4.0	4.5	3.2	65				A CONTRACTOR
S. P.										
Noise				7 - Sec. 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10						1000
POT RES.										
CULT & CMTS				i kanaling			1			

	HEINR	RICHS GFO	DEXPLORA	TION CO.	PRO	JECT_	CONIDC	0		PAGE
			DER NO		LINE		HALF.	SP.	1_ DA	TEPHI
SEND	2-3	1-2/	3-4	2-3	1-2	4-5	3-4	2-3	1-2:	5-6
RECEIVE	0-1000 -		10-20 W			20-30-			->	30-400
RANGE		X				30x300				30 x 300
VOLTAGE	/					300				400
CURRENT			1	*		9000				9000
SEND	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	1-2
RECEIVE	30-900	Jun		->	40-500					
RANGE	308300	Sax 300	30/360	30×300	30/300	301,300	3 QK3 00	301300.	301300	301300
VOLTAGE	300	300	300	400	480	420	300	200	300	400
CURRENT	9000	9000	9000	9860	9000	9000	9000	9000	9000	9000
FREQUEN	CIES 1.0	0.1		COMMEN	ITS: 30	× 30	0			
SENDER I	NO. 66	449	0,1							
OPERATO	R Joh	n Lew	dener							
RECEIVE	R NO.	5705-	R							
OPERATO	R	nThe	7							



OPERATOR Mo.

HEINRICHS GEOEXPLORATION CO.

PROJECT\_\_\_\_

E CD

DATE

	1.	P. SEIN	DEK N	DIES	LIN		HALF_	SP.	DA	1 EX 10 70
SEND	6-7	5-6	4.5	3-4	2-3	6-7	5-6	4.5	3-4	6-7
RECEIVE	to-6015				->	60-7015-			27	70-8010
RANGE	30 x 30 0	30×300	30 x300	30x300	30x300	30x 300	30 X 300	30 x 300	30x300	30 × 3 00
VOLTAGE	480	410	280	200	310	到的如	410	32,280	200	470
CURRENT	9,000	9.000	9,000	9,000	9,000	9,000	9,000	9,000	9,000	9,000
SEND	5-6	4-5		CAL						
RECEIVE	70-801	>		4-5						
RANGE	30 x 300	30 X 300								
VOLTAGE	466	280								
CURRENT	9.000	9,000								
FREQUEN	CIES 10	0,1		COMME	NTS:					
SENDER	SENDER NO. 6644 5									
OPERATO	R Tor	esdahl								



OPERATOR

HEINIPICHS GEOFYPI OPATION CO

PROJECT

	I. F		DER NO	OTES	LINE		HALF_	N_SP.	DA	TE 2 1593
SEND	5-6	6-7	1-5	5-6	6-7	3-4	9-5	5-6	6-7	2-3
RECEIVE	0-10W	>	low aow			20-300				3 400
RANGE	30X 300	30x 300	301 300	30 × 300	30x 300	3 × 30	30 X 300	30 x 300	30 x 300	180 x 300
VOLTAGE	400	480	280	400	480	200	280	400	480	300
CURRENT	9,000	6000	9 000	9,000	0,205	9 000	9,000	9,000	9000	1. 9 (0)
SEND	3-4	4-5-	5-6	6-7	(-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	3 1				40-50					
RANGE	3 5 500	37 2 200	201 300	90 × 360	30 × 30	30 x 300	30×300	30 × 300	301300	30×300
VOLTAGE	200	280	460	480	830400	300	. 200	280	390	480
CURRENT	9000	9,000	9.000	9.500	9,000	9.065	9:000	9,000	9.000	9,000
FREQUEN	CIES 10	0.1		COMMEN	ITS:	NO AL				
SENDER I	NO. 66	99-5								
OPERATO	R Tore	esdant								
RECEIVE	R NO.	2570-	5- P.							

AAAA							1			PAGE
	HEINR		DER NO	OTES	. PRO	DJECT_	HALF_	SP.	DA	TE2-16-7
SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2
RECEIVE	50-60				>	60-70W			->	70-80W
RANGE	30×300	302300	30x 308	30x 300	30130	364300	30830	301300	30,300	30x306
VOLTAGE	390	300	200	260	380	4000	300	200	280	4000
CURRENT	9000	9000	9000	9000	7000	9000	9000	9006	9000	9000
SEND	2-3	3-4		CHL		115	Carrie			
RECEIVE	70-80W			1-5						
RANGE	391300	308300		30 × 100						
VOLTAGE	300	200		90						
CURRENT	9000	9000		3:000					图 建设施	
FREQUEN	CIES 10	0.1		COMMEN	ITS:	· NI				
SENDER	NO. 66	44-5			9.	O ALL				
OPERATO	R Steken	Lund	ren							
RECEIVE	100	15705	-K					17.1 18.00		
OPERATO	R Alla	Theresa	A CONTRACTOR				THE PARTY OF THE P	Spine File		

I. P. RECEIVER	, HALF E	, Sr <u></u> 3	, a =_	1000	BEARING_	5 64° E			PAGE	NRICHS EOEX
SEND	61150	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	+60-170E	170-180E		180-190€.	2000		190-200E			>
MULTIPLIER	10	10	1.0	10	1.0	1.0	[0	1,0	1.0	1.0
PFE	4.4	国 2.0	1.2	6.3	2.3	1.8	1.5	3.1	1206	
CUR. (AMPS)	3	Market Comment of the South Street Street	· (	5	3		5	7	3 -	
POINT No.					7 87		MOS .			
SEP. (n)	3	3	12	3	12	30	3	12	30	60
H. F. Mv	138	#107	53-9526	206	39,1	285	183	63.2	20.0	19.3
DRIFT	-	- /	_	-	-	^	1	-	-	-
I.O PFE Kn/1000						1				
0.3 PFE PCAL		134								
O.I PFE PFEc						12.				
3.0 MV P/2#	144	111	219	129	163	297	114	158	208	402
DRIFT MCF								200		
S. P.		+14.1-	>	+3.0 -	-		+7.9 -			
Noise	ROY VI			4		100			The street of th	
POT RES.					1.3	11 1			1	
CULT & CMTS		Grounded	Sonce at	1865						

I. P. RECEIVER	, HALF_E	, Sr	ξ, α=.	1000	, BEARING_				HE	NRICHS EOEX
SEND	5-6	4-5	3-4	2-3	1-2	6.7	5-6	4-5	3-4	2-3
RECEIVE	200-210E	The September of the			>	210-220€		-		
MULTIPLIER	10	1,0	1.0	1,0	1.0	10	1.0	1.0	1.0	0.1
PFE	1.0	1.7	2.6	21.6	30	0.5	1.5	00.7	No.	2
CUR. (AMPS)	5-	no disposition	7	3	( comments	-5 -	autoritimente til til samptiotekin	0.3 1/2	.2.6	521.0
POINT No.								1 S 1 S 1 S	1.5	100
SEP. (n)	3	12	30	60	105	3	12	30	60	105
H. F. Mv	146	48.8	267	10.8	11.6	223	55.5	27.0	16.6	6.749
DRIFT		-	-1	-	-	-	-	1-	-	
I.O PFE Kn/1000		(A)	45 5	SECTION.						
0.3 PFE PCAL		1 3 9			1				-	
O.I PFE PFEc										200
3.0 MV P/2#	91	122	167	225	423	139	139	169	208	273
DRIFT MCF						1 4	A POLICE			
S. P.						+5.2-			and district the second district to the second	Company of the Compan
Noise										
POT RES.					1	The same of				
CULT & CMTS										

I. P. RECEIVER	, HALF E	, Sr	3, a =	1000	BEARING_		(		HE	INRICHS EOEX
SENDER STA.	170 =	ELECTROD	E No. 4	, DATE	3-20-	73		A.	<i>#</i>	
SEND	1-2	6-7	5-6	4-5	3-4	2-3	6.7	5-6	4-5	3-4
RECEIVE	210-220E	220-230E	4			7:	230-240E			
MULTIPLIER	0.1	1.0	1.0	1.0	0.1	0.1	110	1.0	0.1	0,(
PFE	1.2	0,6000								
CUR. (AMPS)	0.3 Hz 3	0.25	0.8	0.4	2.8	30.4	50.3	1.2	1.0	3.00
POINT No.	THE REAL PROPERTY.						The same of the			
SEP. (n)	168	12	30	60	105	168	30	60	105	168
H. F. Mv	01865	64.2	26.4	14.6	0, 5, 67	4.66	32.6	14.9	9.63	6.88
DRIFT		-	-	-	-	-	-	-		
I.O PFE Kn/1000	PA 15 - 10 T (18)		9-6							
0.3 PFE PCAL							-			4
O.I PFE PFEc			W	The same						
3.0 MV P/2#	505	161	165	183	212	272	204	186	211	241
DRIFT MCF				Search Control						
S. P.		7008-	+ 21.9	des and resources	The state of the s	->	-24.5-	1		>
Noise				1			B 1 - X/10		1	10
POT RES.				1 1 1 1 1				100	1.5	1 3 4
CULT & CMTS	1				138					

I. P. RECEIVER	, HALF W	, Sr	3, a = .	1000	BEARING				HEI	NRICHS EOEX
SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	140-130E	-	L WY			130-120E				
MULTIPLIER	10	1.0	1.6	1.0	1.0	10	1,0	1.6	1.0	1.0
PFE	2.3	5.6			3.3					
CUR. (AMPS)	3	5		opening skipper (anneaton in the Constitution	a manage of	3	Commission	5 -	A CONTRACTOR OF THE PARTY OF TH	U-11/1/DIGESS/(DOW) MS
POINT No.				1 7 7 7 7	Charles	19.1				1 1
SEP. (n)	3	12	30	60	105	3	15	30	60	105
H. F. Mv	115	65.8	38.3		295					
DRIFT	-					La la				
I.O PFE Kn/1000	w. Sharak	5.5	2.7	4.4	3.3	2.6	2.5	5.6	2.4	2.7
0.3 PFE PCAL		40	1					. 4-7	214	21 7
O.I PFE PFEc		165	239	309	438	17.5	- 2	143	214	1267
3.0 MV P/2#	120	64.1	38.3	24.7	20.0	146152	24.6160	22.8	17.1	12.2
DRIFT MCF		-	_	ارك	-	157		-		-
S. P.	+11.9 -					-20.6 -				Total Control
Noise		1		14		4			100	
POT RES.		100					A. C.		Mr. Land	
CULT & CMTS						1			1 2 2 3	

LINE_	1	HALF W	, SR	3, a =		BEARING_		(		11	SOEX
SEND		6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5
RECEIV	/E	130-120E	120 - 110E			Secretary 199	>	110-100E			->
MULTIP		8.41.0		1.0	1.0	1.0	0.1	1.0	1.0	1.0	1.0
PFE			E STATE OF		16		3.4 2	130			
CUR. (A	AMPS)	5	3 -	>	5 -	a projective de la constitución de	market of the same	3 -		5	
POINT	No.	Partie (		E. S. Caledia				-		1000	110
SEP. (	n)	168	12	30	60	105	160	30	60	105	168
H.E.	٧v						7.86				12.3
DRIFT			A. Linkson					- 1.0	- 10	1 1 2	-
I.O PFE	K <sub>n</sub> /1000	25	201 2.8	2.7	5.6	2.0	3,6	3.1 ?	2.13	4.4 ?	2.0
0.3 PFE	PCAL					10. 800	2.01	- 0	0-21	200	431
O.I PFE	PFEc	382	196	19	198	276	336	319	252	308	
3.0 MV	P/2#	10.9	3476 47.1	1715.3	15.8	12.6	9.60	30.6	12.1 ?	14.1	12.3
DRIFT	MCF	-	-	_	-	-	-	Section 1	-	-	
S. P.											
Noise					1						
Рот R	ES.										
CHIT	CHTS										Section 1

I. P. RECEIVER NOTES, JOB NO, AREA LITTLE HILL MINES  LINE, HALF, SR, q = 1000, BEARING  SENDER STA = ELECTRODE NO, DATE 3-20-7-3										
SEND	100 20E		3-4							CAL
RECEIVE	160-90E			Basic La	1	1				1-2
MULTIPLIER	0.1	0.1	0.1							
PFE				Sec.		The supplied				0.6
CUR. (AMPS)	3 -		5	1000	10	1 / 10		-	-	1-0.1
POINT No.	P. St. Ash	THE PLANT		31. 3	(B) (C)				1000	1-0.1
SEP. (n)	60	105	168							
H. F. Mv							<b>请</b> 图图 想题			288
DRIFT			1 10 10			of the Marie				2.2
1.0 PFE Kn/1000	2.6 ?	2.1	6.0??							-0.2
0.3 PFE PCAL							1 3 -			3-63
O.I PFE PFEc	202	169	188					and more particular and		
3.0 MV P/2#	9.70	4.64	5.36					上 医现金点		238
DRIFT MCF	-	-					1115		_	
S. P.							3			
Noise					4 4	1				
POT RES.							12/28			
CULT & CMTS										

I. P. RECEIVER NOTES, JOB NO. 798, AREA LITTLE HILL MINES PAGE / LINE 1 , HALF E , SR Z , a = 1000', BEARING 5 70E HEINRICHS SENDER STA. 90 = ELECTRODE No. 4 , DATE 2-26-73 4-5 3-4 5-6 SEND 2-3 1-2 13-4 RECEIVE 110-120 F 120-130F 90-100E 100-110E 1.0 10 10 1,0 1,0 MULTIPLIER 1,0 10 10 10 每14 0.6 0.6 0.4 0.8 PFF 0.3 0.0 0.4 0.3 0.6 9 5 9 9 CUR. (AMPS) POINT No. SEP (n) 563 H F My 36.5 76.5 32.9 66.9 262 410 81.5 201 274 DRIFT 30 60 3 1.0 PFE Kn/1000 3 3 12 30 3 12 12 0.3 PFE PCAL 1.0526 O.I PFE PFE 144 314 235 268 114 3.0 MV P/2 T DRIFT MCF S. P. +41.9 +24.4 -+12.2 NOISE POT RES.

CULT & CMTS

I. P. RECEIVER NOTES, JOB NO. 798, AREA LITTLE HILL MINES PAGE 2 LINE 1 , HALF E , SR Z , a = 1000', BEARING 570°E HEINRICHS GEOEX SENDER STA. 90 = ELECTRODE No. 4 , DATE 2-26-73 1-2 5-6 3-4 SEND 2-4 2-3 1-2 4-5 RECEIVE 130-1401 120-130E 1.0 1,0 10 1.0 1,0 1.0 10 1.0 MULTIPLIER 1.0 to 1.1 1.6 4 PFE 0.83. 10 1.1 0.3 0.60 0.6 9 9 5 5 CUR. (AMPS) 9 POINT No. SEP. (n) H. E. Mv 6.80 38.6 15.6 38.7 20.5 18.9 20,6 328 136 43.0 -DRIFT 3 12 30 60 105 168 1.0 PFE Kn/1000 12 30 60 105 O.3 PFE PCAL O.I PEE PEE 207 109 403 253 174 302 3.0 MV P/211 66 DRIFT MCF S. P. X -9.7 -9: 9.7 NOISE POT RES. CULT & CMTS

1	, HALF E	, Sr	2, a=_	1000',	BEARING		2		HEI	NRICHS EOEX
1	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4	6-7
Ε	100-150E			40.500	>	150-60 E				160-1705
LIER	1.0	1,0	1.0	1.0	1.0	1.0	1,0		100.1	1.0
	2.6	2.4	15 2.2	3.0 ?	3.0?	2.3	2.6	1.8	1,6	5.6??
MPS)	5	5	7	9	9	5	5	7	9	5
No.	Alexander of									
1)										
lv	80.4	53.5	23.4	11,0	28.3	26.7	21.2	11.3	5.73	16.3
	7	4.5	/	-	_	/_		_	-	-
( <sub>n</sub> /1000	12	30	60	105	168	30	60	105	168	60
PCAL										
PFEc										
Ρ/2π	203	338	211	135	556	169	268	178	114	206
MCF										
	t24 -				9	+3.9 -				+8.3
Sagar						Control of the contro	7			
S.	100	1					A STATE			
Смтѕ	331							1 4 7		
	STA E LIER MPS) No. h) V  Cn/1000 PCAL PFEc P/2  MCF	HALF E   STA. 90 =   G-7   E   LIER   L.O   L.O   LIER   L.O   L.O	1 , Half E , SR  STA. 90 = ELECTROI  6-7	1 , HALF E , SR 2 , a = STA. 90 = ELECTRODE NO. 4  6-7	1 , Half E , SR 2 , a = 1000',  STA. 90 = ELECTRODE NO. 4 , DATE  6-7 5-6 4-5 3-4  E	1 , Half E , SR 2 , a = 1000 , BEARING STA. 90 = ELECTRODE No. 4 , DATE  6-7 5-6 4-5 3-4 2-3  E	1 , Half E , SR 2 , a = 1000 , BEARING  STA. 90 = ELECTRODE NO. 4 , DATE  6-7	STA. 90 = ELECTRODE No. 4 , DATE  6-7 5-6 4-5 3-4 2-3 6-7 5-6  E	1 , Half E , SR 2 , a = 1000', BEARING  STA. 90 = ELECTRODE NO. 4 , DATE    G-7	HALF   SR   2

I. P. RECEIVER LINE 1 SENDER STA.	, HALF E	, Sr:	<u>2</u> , a = .	1000,	BEARING_	-		H	NRICHS EOEX
SEND	5-6	4-5		CAL					7.115
RECEIVE	160-170E	>							
MULTIPLIER	110	. 0.1							
PFE	5.623	5.2 ?	TOTAL	0					
CUR. (AMPS)	5	7							
POINT No.							1		
SEP. (n)									
H. F. Mv	14.7	7.89		285					
DRIFT	1	-		-	17.		777		
1.0 PFE Kn/1000	105	168	100						
0.3 PFE PCAL	1000								
O.I PFE PFEc	5								
3.0 MV P/2#	325	199							And Jones
DRIFT MCF									
S. P.	V 1								
Noise									
POT RES.									
CULT & CMTS	schist								

I. P. RECEIVER NOTES, JOB NO. 798, AREA LITTLE HILL MINES

LINE 1, HALF W, SR 2, a = 1000, BEARING N 64° W

SENDER STA. 90 = ELECTRODE NO. 4, DATE 2-26-73



SEND		3-4	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIV	Ε	70-60E	60-50E	-			-	50-40E			-
MULTIP	LIER	10	10	1.0	1.0	0.1	0.1	10	10	1,0	1,0
PFE		0.5	0.6	0.4	0.4	0.4	0.5	0.4	0.6	0.4	0.6
CUR. (A	MPS)	9	9	9	7	5	5	9	9	9	7
POINT I	No.		and the								
SEP. (r	1)	VIDE:		1.						1 1979	
H. F. M	V	202	188	29,5	14.5	10.74	5.76	350	131	27.7.	18.0
DRIFT			1	-		-		-	_		-
O PFE	( <sub>n</sub> /1000	3	3	12	30	60	105	3	12	30	60
0.3 PFE	PCAL					14					
O.I PFE	PFEc			-7.1	47.7			ARTY A			
3.0 MV	Ρ/2π	7-1	66	41	65	136	127	88	184	97	162
DRIFT	MCF					7	14.4				
S. P.	. ~										
Noise	100							Trans.			
Pot Re	S.						4		V 10. 50	7 1676	
CULT &	Смтѕ				1 1			1.286 33.0			

I. P. RECEIVER NOTES, JOB NO. 798, AREA LITTLE HILL MINUES PAGE 6 LINE 1 , HALF W , SR 2 , a = 1000', BEARING N 64W GEOEX SENDER STA. 90 = ELECTRODE No. 4 , DATE 2-26-73 C-1-2 2-3 5-6 3-4 2-3 3-4 4-5 SEND 5-6 30-20E RECEIVE 50 -40E -> 40-30E 0.1 6.1 1,0 0.1 0.1 MULTIPLIER 1.6 0.1 0.8 131.20.654 0.60 0.8 0.4 PFE 1.2 5 9 CUR. (AMPS) POINT No. SEP (n) 7.95 H. E. My 15.4 7.54 7.01 8.89 85.1 10.08 43.4 DRIFT 30 105 60 168 60 1.0 PFE Kn/1000 105 12 30 100 168 O.3 PFE PCAL O.I PFE PFE 119 748 52 314 19 3.0 MV P/2# DRIFT MCF S. P. Noise MAY READ POT RES. CULT & CMTS

SEND	100	4-5	1-2	2-3	3-4	S.P.				
RECEI	/E	30-20E	20-10E		7	90-80E				
MULTIF	PLIER	0.1			0.1		144 25			
PFE		0.4			0.6-1.0					STORMS OF A
Cur. (	AMPS)	7	9	9	9					
POINT	No.									
SEP. (	n)									
H. F. 1	٧v	6.69		The live supply	5.41	Transport Contract				Mark Market
DRIFT	-	1	177	4.3	-					
	K <sub>n</sub> /1000	168	60	105	168				1000	3
0.3 PFE	PCAL		1 8			. 36.7				
O.I PFE	PFEc									
3.0 MV	P/2#	169			106					
DRIFT	MCF							1		
S. P.	61.5					+6.5	1312			-
Noise			,						- S	
POT F	ES.	7 7 7	MAY READ							
CULT 8	CMTS						1 8 4		6	13 - 1

										PAGE
	HEINF		DER NO	ATION CO.	PRO	JECT_	HALF_			TE2/26/72
SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE	90-100E	>	100-110 E		>	110-120E			>	120-130E
RANGE	30x 20h	30,200	30,000	30×300	30×300	30x2333	30x 300	308300	204306	30× 166.6
VOLTAGE	200	350	125	225	350	4600	180	240	360	560
CURRENT	9000	9000	9000	9000	9000	7000	9000	9000	9000	5000
SEND	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-7	1-2
RECEIVE	120-130E-	1	***	>	130-1406		2		- 75	
RANGE	304233	30x300	308300	30X300	301/666	301/66.6	301233	304300	30×300	30×200
VOLTAGE	460	180	220	340	480	520	440	180	220	340
CURRENT	7000	9000	9000	9000	5000	5000	7000	9000	9000	9000
FREQUEN	CIES 1.0	0.1		COMME	NTS:  -	2	30 + ≥	00 = 9		
SENDER	NO. 66	945			z.	3	30 x 30			
OPERATO	11	Lund	gare	1	3 4	-5		0+ 13.3		
OPERATO	01	Mal	Thouse		6	mar days	20	0+66.6		

SEND	
RECEIV	E

HEINRICHS GEOEXPLORATION CO. SENDER NOTES

PROJECT LITTLE HILL MINES

PAGE

DATE2/26/1 HALF E SP. 2 2-3 5-6 4-5 5-6 3-4 150/60 160-170€ 140-150E 30x300 30x 166 RANGE 30X2336 30×300 30338 460 VOLTAGE 940 460 440 480 590 160 220 9000 5000 CURRENT 7000 9000 5006 5000 5000 5000 7000 SEND CAL 5-6 4-5 RECEIVE 5-6 160-1701E RANGE 30x166x 30x233 30×100 VOLTAGE 540 440 7310 3000 CURRENT 7000

FREQUENCIES

COMMENTS:

SENDER NO. 6644 OPERATOR ( Lundown RECEIVER NO.

OPERATOR 4

										PAGE 3
			DER NO	ATION CO.	. PRO	DJECT_		W SP.	2 DA	TE/26/7
SEND	3-4	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	70-60 E	60-50E -		11 18 %		>	50-40E	3	4	
RANGE	30 ×300	301300	30×308	308232	8 30X/66	30X/664	30×306	30X300	30/300	30x233
VOLTAGE	160	220	160	920	540	440	340	200	180	446
CURRENT	2000	9000	9000	7000	5000	5000	9000	2000	9000	7000
SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	SO -40E	>	40-3012				-	30-20 E	T READ)	-
RANGE	30X/66.4	30×106.	30×305	30x300	30X300	301233	30X/11.	4		30x 300
VOLTAGE	520	460	340	200	160	420	540			160
CURRENT	5000	5000	9000	9000	9000	7000	5000			8000
FREQUEN	CIES 10	0.1		COMMEN	NTS:	7 301	(300 =	9		
SENDER	NO. 66	44-5			7-3	ONV.	200 =	9		
OPERATO	R Onla	Hunde	nen		3-4	20×3	00 =	9		
RECEIVE	R NO.			1-2-260	N 20	30x2	333=	7		

OPERATOR 7

		RICHS GEO		ATION CO.		HALF_		MINES 2 DA	PAGE 4- TE3/36/1
SEND	4-5	1-2	2-3	3-4					, ,
RECEIVE	30-20F	20-10E	READ)		9				
RANGE	30x233			30x300		1	1		
VOLTAGE	420		1 1 1	180	1				
CURRENT	7000			9000					
SEND									
RECEIVE				1			V 12 3		
RANGE									
VOLTAGE		200							
CURRENT									
FREQUEN	CIES 40	0.1	1	COMMEN	ITS:				
SENDER	7	945							
OPERATO	77	Lunda	ner					7.7	
RECEIVE	R NO.	1	//						
OPERATO	R Thil	Mal	hows	200					

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	2-3
RECEIVE	0-10W	>	10-20W			20-30W			>	30-40W
MULTIPLIE	10	1.0	1,0	1.0	1.0	1.0	1.0	1,0	0.1	1.0
PFE	-0.6	+0.2	0.6	0.6	1.0	0.6	0.7	0,8	1.3	0.2
CUR. (AMPS	)	-								
POINT No.					1		400			9
SEP. (n)	3.	12.	3	12	30	3	12	30	60 "	3,
H. F. Mv	189	46.4	96.2	26.9	130	53.9	24.6	11.4	6.87	91.2
DRIFT	-	+0:1	-	-	-	-	1.5	-	-	-
O PFE Kn/I	000	12	3	12	30	50 3	12	30	60	3
.3 PFE PCA	L		0.7	× 1 10			1000			
O.I PFE PFE	c -0,4	7,2	0,6						,7	
5.0 MV P/2	T 64	63	33	137	44	18	34	39	47	31
DRIFT MC	-9.4	3.2	18	16	23	33	21	21	28	6.5
S. P.	+48.5	>	+30.5		-	+41.2 -	The state of			+61.8
Maria	- The state of the		7	1 1 1 1			13. 25%			
Noise										

SEND	3-4	4-5	5-6	6.7	1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	30-40W			>	40-500					
MULTIPLIER	1.0	0.1	0.1	0.1	1,0	0.1	0.1	0.1	0.1	0.1
PFE	0.4	0.6	0.4	1.2	0.4	0.7	0.6	6.8	0.8	0.8
CUR. (AMPS)						- 6		1 1/4		
POINT No.	14.				-	- 10	2 ~		105	168
SEP. (n)	12	30	60	105		12	30	60	N ROTTEN BEST AND A	
H. F. Mv	12.7	10.01	5,58	3.71	80.8	9.61	5.73	5.31	3.37	2.45
DRIFT	-	_	_		-	-	-	-	-	
.0 PFE Kn/1000	12	30	60	105	3	12	30	60	105	168
0.3 PFE PCAL		·		- 12		-	100	-		1
O.I PFE PFEc										1.47
3.0 MV P/2#	17	34	38	44	28	13	20	22	40	47
DRIFT MCF	23	18		2+	14	54	30	66	20	
S. P.	+11.8 -			-	+38.8 -			S 45 15 15		
Noise						-	-	-		
Pot Res.								-		
CULT & CMTS							1			
	17	34	38	44	28	13	20	36	40	17

LINE_	1	Notes, Job No. 798, AREA LITTLE HILL MINES  HALF W, SP. 1, a = 1000', BEARING N 69°W  = ELECTRODE No. 4, DATE 2-16-73											
SEND	, OIA.	1-2 .	2-3	3-4	4-5	15-6	1-2	2-3	3-4	4-5	至 1-2		
RECEIV	Ε	50-60W				B	60-70W			>	70-8W		
MULTIP		0.1	0.1	0.1	0.10	0.1	70.1	0.1	0.1	6.1	0.1		
PFE		0.8	0.6	0.5	0.8	0.8	1.2 ?	1.4?	0.9	1.2	1.6?		
CUR. (A	MPS)	9,0		7.4.7	11 (18)								
POINT	No.				1 42, 34		E. L						
SEP. (	n)	12	30	60	105	118	20	Co	108	168	60		
H. F. N	1v	10.09	5.14	4.45	4.40	2,96	4.34	3.28	3.20	3.27	2.48		
DRIFT			-		- ,			-	-	_	-		
O PFE	K <sub>n</sub> /1000	12	30	60	105	168	30	60	105	168	60		
3 PFE	PCAL					52 3							
.I PFE	PFEc				1, 1, 1, 1			2					
OMV	P/2#	14	81	30	53	57	15	22	38	63	17		
RIFT	MCF	57	33	17	15	19	80	6	124	1)	74		
S. P.	70. 200	+19.0 -				-	+18.8 -			7			
VOISE	37%							11119			1000		
Рот R	ES.					0 (1)	La Table		1.64		8 K		
CULT 8	CMTS	Gnd Nort	h-South	Sence !	at 56	west	7 7 8						
		14	18	30	53	57	15	22	38	63	17		

I. P. RECEIVER LINE SENDER STA	HALF W	, Sr	, a = _	1000,	BEARING	169°4	<u> </u>		HHER	NRICHS IOEX
SEND	2.3	3-4	THE PARTY OF THE P	4-5						
RECEIVE	70-80W	>		CAL	9-1			5.5		2 100
MULTIPLIER	0.1	0.1					-			
PFE	1.4	1.2	1914 M	+0.00						
CUR. (AMPS)3		-3.0							1.00	
POINT No. 3		0-605						-		
SEP. (n)	005	168								
H. F. Mv	2.10	2.12		293					The Total	
DRIFT	-	_		and "						
1.0 PFE Kn/1000	105	168			9.9.8			2		
0.3 PFE PCAL					219910					
O.I PFE PFEc					30,5					
3.0 MV P/2#	25	41							A DO FINANCIA	
DRIFT MCF	56	29		1,3						
S. P.					NO. 1					
Noise					Minute 1					
POT RES.							4.1			
CULT & CMTS								· ·		

25 AI

_INE	(-	HALF_E	, Sr	, α=	LITTLE	BEARING	S6+°E			HEI	NRICHS OE X
ENDER	STA	0 =	ELECTROD	E No.	, DATE_	2-17-	73		and o		
END				4-5	5-6	4-5	3-4	2-3	1-2	6-7	5-6
ECEIV	E	0-10E	10-20E	20-30E	30-40€				7	40-50E-	
ULTIP	LIER	and the second	Lab bet in	10.	10	1.0	1.0	0.1	0.1	10	1.0
FE		A PROPERTY.	No. of the	1.6	0.6	1,2	0.4	1.37	0.8	0.4	0.6
UR. (A	MPS)	0	20			4		100	1		
OINT	No.	C	3		The second	CA WALL					
EP. (1		0		3 1	1	2	2	2	5		
. F. N				222	223	469	19.3	7.25	4.02	398	82.0
RIFT	3000			-0.2	-	and .	-	-	-	-	-
PFE	K <sub>n</sub> /1000			3	3	12	30	60	105	3	12
_	PCAL	1.023	P. C.								- 6"
	PFEc			7.8			100				
	Ρ/2π			76	7-6	64	66	49	48	136	112
IFT	MCF			21	7.9	18	6.1	27	17	2.9	5.4
P.		+27.6	+19.2	+59.5	+4.1				7	41010-	-
OISE	5.78	1	6			100					
от В	ES.			12K			3.0	1000		- E.	
	Смтѕ	C-1	fence at	_	+ IE		100				4
(i)-	1	O TRO	1	W 13	pure la						

LINE_	1	NOTES, JO , HALF E	, Sr1	, a = _	1000',	BEARING_S	64°E	(		HEI	NRICHS OEX
SEND		4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7
RECEIV	E	40-50E				50-60E				-	60-70E
MULTIP	LIER	1.0	1.0	0.)	0.1	1.0	1.0	0.1	0.1	0.1	1,0
PFE		1.4	1.2??	0.42?		0.7	060=4	0.7?	0.6		0.4
CUR. (A	MPS)										
POINT	No.					30		7	S		
SEP. (	n)										
H. F. N	1v	3511	18.9	8.13	4.69	42.7	17.1	9.85	5.91	2.75	50.4
DRIFT		11-11-11	,	_	- 3	- 1	1	10	-		-
I.O PFE	K <sub>n</sub> /1000	30	60	105	168	12	30	60	105	168	30
0.3 PFE	PCAL	1.023			A 157.0						
O.I PFE	PFEc										
3.0 MV	ρ/2π	120	129	97	90	58	58	67	71	53	172
DRIFT	MCF	12	9.3	4.1	-	12	10	ID	8.5		2.3
S. P.						+30.5 -				>	
Noise	1500				1.6 = 105 - 0.2						3 2000
Por R	ES.						1000	4.5.5	Line and		
CULT 8	Смтѕ		-			and fo	nce at	65 E		100	Sandkon.

			1 - 15 × 10		100				
I. P. RECEIVER LINE 1 SENDER STA.	, HALF_E	, Sr	1, a = _	1000.	BEARING_	5-64°E	₹ 5 74°E	PAGE	7 NRICHS OEX
SEND	5-6	4-5	3-4	6-7	5-6	4-5			
RECEIVE	60-70E -			70-80E		>			
MULTIPLIER	1.0	1.0	1.0	1.0	1.0	1,0			
PFE	0.6	1.87	0.87	110	0.7	1.7	TO PERSON		
CUR. (AMPS)						4.77		187	-
POINT No.							1015	2011	
SEP. (n)	100		111/11/11						
H. F. Mv	24.7	16,6	10.5	32.2	18.5	13.7			
DRIFT	_	_	_		_	-			
I.O PFE Kn/1000	60	201	168	60	105	168		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
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O.I PFE PFEc				100					
3.0 MV P/2#	169	198	201	220	221	262			and the last
DRIFT MCF	3.6	9.1	4.0	4.5	3.2	65			
S. P.									**
Noise					te.				
POT RES.						F		-	
CULT & CMTS	av.				1				

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	HEINE		DER NO		PRO	JECT_	CON OC HALF		1_ DA	2-16-7 TE=15-7	
SEND	2-13	1-2/	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6	
RECEIVE	0-1000	>	10-200		<b>→</b> >	20-3045				30-40W	
RANGE	30 1 350					30x300		$\rightarrow$		30x300	
VOLTAGE	1	1				300				400	
CURRENT	1					9000				9000	
SEND	4-5	3-4	2-3	12	6-7	5-6	4-5	3-4	2-3	1-2	
RECEIVE	30-40W	٥		->	40-50W	2		100		>	
RANGE	30×300	30×300	30X360	36×36	30230	30×300	30K3 00	30x300	30x300	30×300	
VOLTAGE	300	200	300	900	480	420	306	200	300	400	
CURRENT	9.000	9000	9000	9000	9000	9000	9000	9000	9000	9000	
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OPERATO	R Joh	n Lus	danes								
RECEIVE	R NO. 2	25205.	-R								
OPERATO	R M	atheo	4		A STATE OF THE STA		State of	1 1 2 2	4		

	HEINR		DEXPLORA	ATION CO.	PRC LINI	JEÇT_	C⊚ HALF_	noco E SP.	L DA	PAGE 
SEND	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4.5	3-4	6-7
RECEIVE	50-60E			100	->	60-70E-			_>	70-800
RANGE	36 x 367	30×300	30 x 300	20x300	30x300	30x 300	30 x 300	30 x 300	30x300	30x 300
VOLTAGE	480	410	280	200	310	3000	410	<b>2017</b> 89	200	470
CURRENT	9,000	9.000	9,000	9,000	9,000	9.000	9,000	9,000	9.000	9,000
SEND	5-6	4-5		CAL						
RECEIVE	70-80 L	>		4-5						
RANGE	30 x300									
VOLTAGE	466	386					100			

CURRENT 9.000 9.000
FREQUENCIES 1.0 0.1

SENDER NO. 6644 S OPERATOR Toresdahl

RECEIVER NO. 25705 -R

OPERATOR Mathews

COMMENTS:



HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT\_

\_SP.

DATE 3-15-73

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	2-3		
RECEIVE	0-100		100 20W		$\rightarrow$	20-3000			$\rightarrow$	30-40W		
RANGE	30X 300	30x 300	30x 300	30x 300	30x 300	30 x 300	30 x 300	30 x 300	30 X 300	30 x 360		
VOLTAGE	400	480	280	400	480	200	280	400	480	300		
CURRENT	9,000	9.000	9,000	9,000	9.000	9,000	9,000	9.000	9,000	9,000		
SEND	3-4	4-5-	5-6	6-7	1-2	2-3	3-4	1-5	5-6	6-7		
RECEIVE	30-400	-		->	40-500					$\rightarrow$		
RANGE	30 x 300	30 × 300	30×300	30×300	30 x 300	30 x 300	30×300	30 x 300	30×300	30X300		
VOLTAGE	200	280	400	480	600A00	300	200	280	390	480		
CURRENT	9.000	9,000	9,000	9,600	COOLP	9,000	9,000	9,000	9,000	9,000		
FREQUEN	FREQUENCIES 1.0 O.1				COMMENTS: 9.0 ALL							

RECEIVER NO. **OPERATOR** Mathews

Toresdah

SENDER NO.

**OPERATOR** 

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								DA	TE2-15-7
1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2
50-60		75		<b>→</b>	60-70W	-		7	70-80W
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70-80W			4-5		. * .	100		. 135	
	308300		30 × 100					sciencii -	
300	200		90						
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I.P. SURVEY

**经验的基础** 

Little Hills Area, Arizona

Pinal County

For

Continental Oil Company

March 29, 1973



## HEINRICHS GEOEXPLORATION COMPANY

806 WEST GRANT ROAD, TUCSON, ARIZONA 85703, P.O. BOX 5964, PHONE: (602) 623-0578

March 29, 1973

Mr. B. F. Kern Geological Supervisor Continental Oil Company Metallics Division 1706 West Grant Road Tucson, Arizona 85705

Re: I.P. Survey
Little Hills Area, AZ
GEOEX Job #798

Dear Mr. Kern:

This letter is to serve as a brief report on the I.P. survey we recently completed for you this month in the Little Hills Area, Pinal County, Arizona.

Three spreads of collinear dipole-dipole array I.P. coverage on 1000 foot dipole lengths and "n" intervals from 1 through 6 were run. This gave a total surface coverage of 6.1 miles of which 5.0 miles is "subsurface" plotted data. The multi-frequency I.P. technique was used on sending frequency pairs of 0.1 and 1.0 hz for Spreads 1 and 2 and 0.3 and 3.0 hz for Spread 3, employing GEOEX Mark 4 I.P. System gear.

The data are herewith presented on a Sectional Data Sheet showing apparent resistivity, percent frequency effect (PFE), and metallic conduction factor (MCF) contoured in "section" and self potential (SP) in profile form. A line location plan overlay to your 1:24,000 scale geology map is also presented herewith.

Within the main area of initial interest, in Section 8 and 9, no anomalous I.P. response was obtained. This implies that no significant concentration of polarizable material (sulfide) is likely present down to the resolvable penetration limit of the system, which in this case is

Mr. B. F. Kern March 29, 1973 Page Two

perhaps 1500 or even as much as 2000 feet below surface. A significant concentration of sulfide mineralization in this case is, say, a block having dimensions of at least 1000 feet on a side and having at least 1 percent by volume sulfide content.

Due to the variety of rock types crossed in Section 8 and 9, the apparent resistivity pattern is quite complex but shows two zones of lower resistivity centered near 55E and 90E that correlate quite well with the two blocks of Gila conglomerate crossed in that area. The resistivity pattern implies a limited thickness of conglomerate, perhaps 500 + 250 feet, in these two blocks.

No resistivity change with depth is noted which might be expected due to penetration through the Mogul fault from the schist into the granite. However, considering the two rock types involved, a lack of electrical contrast is not surprising.

Another resistivity feature of note is near 5W, west of which the resistivity is quite low and exhibits a layered aspect. This is likely due to alluvial fill west of about 5W and which gradually thickens to the west.

On the east end of Spread 2, anomalous I.P. effects were noted and the line was extended to the east by Spread 3. A complex zone of I.P. response was delineated between about 135E and 175E. The strongest effects within this zone appear between 160E and 170E fringed with very weakly anomalous response and a weak increase near 140E.

The anomaly pattern suggests a narrow (less than 1000 feet wide), steeply dipping polarizable source (or sources) located mainly between 160E and 170E possibly with minor fringing polarizable material on either side. The top of this source is likely within 300 feet of the surface and, therefore, the source is probably within the hanging wall of the fault. A more narrow and/or weaker but similar source may cause the increased I.P. effects near 140E.

The resistivities show no obvious correlation with the anomalous I.P. effects. In fact, they are rather uniform horizontally and increase with depth as might be caused by near-surface weathering or perhaps by higher resistivity material present in the Mogul fault footwall. The lack of a correlating low resistivity zone with the I.P. anomaly is typical of response obtained from certain non-sulfide polarizers, particularly manganese oxides or magnetite. Sulfides imbedded within a high resistivity matrix, for example, some limestones or quartzites can also give a similar

Mr. B. F. Kern March 29, 1973 Page Three

response in some cases. Another possibility is cultural interference such as grounded fences, cased drill holes, or pipelines. No grounded conductors were noted crossing the line at the anomalous dipoles but there may be such near the line that went unnoticed by the field crew.

The self potentials show no significant response correlating with the I.P. response, or elsewhere on the line, suggesting a lack of near surface relatively massive, actively oxidizing, large sulfide zones.

To further define the main anomalous source as to position and strike, additional parallel I.P. coverage on a 500 foot (or shorter) dipole spacing along Line 1 and 1000 feet south and perhaps north should be useful. A magnetometer traverse across the anomalous zone may add useful geologic information and help determine if magnetite could be causing some or all of the I.P. response.

In that the anomaly source is shallow, perhaps even outcropping, representative fresh surface samples should be laboratory tested for polarization effects. Dark colored rocks such as black shales, limestones, or schists would be particularly suspicious because of their possible carbonaceous or fine grained pyrite content as well as the possibility of contained magnetite and manganese oxides.

If drilling of this anomaly is contemplated, the attached copy of "Comments on Drilling I.P. Targets" discusses several factors which should be considered.

Respectfully yours,

Heinrichs GEOEXploration Co.

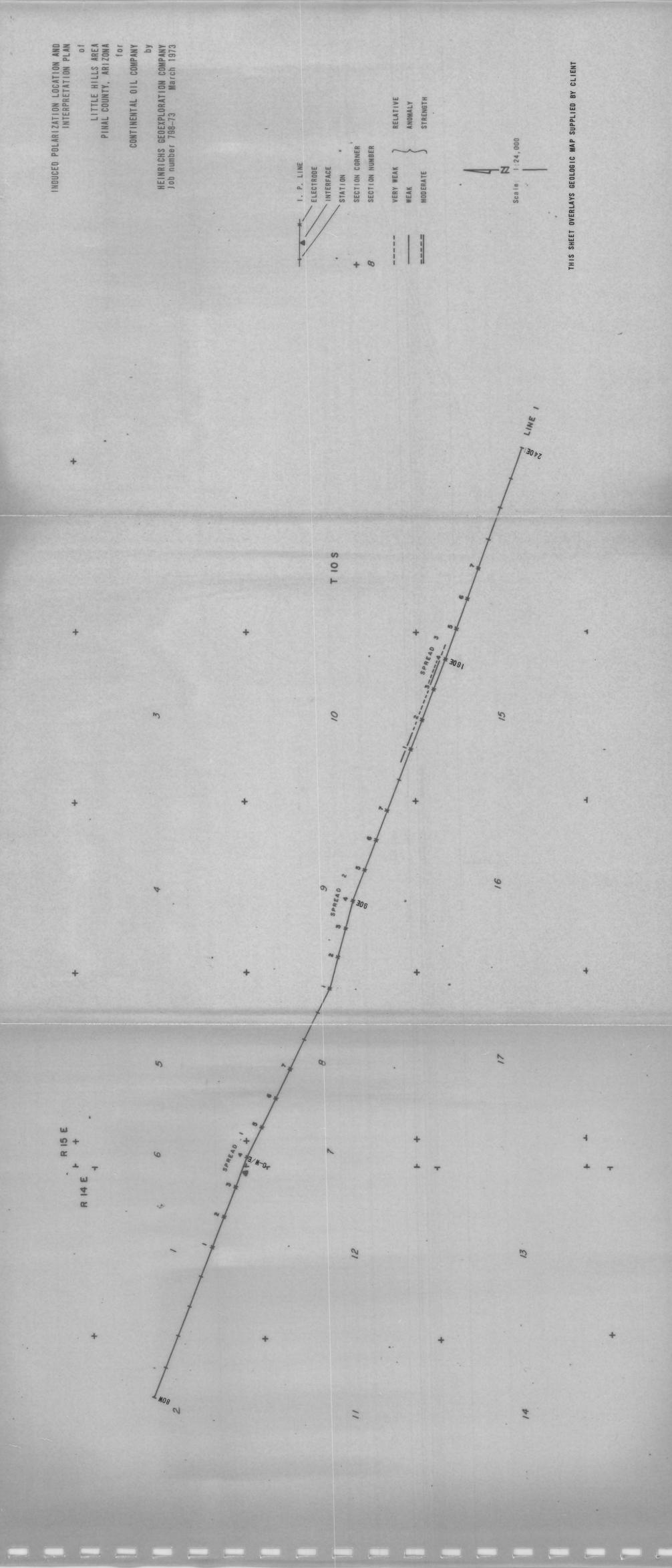
Chris S. Ludwig Chief Geophysicist

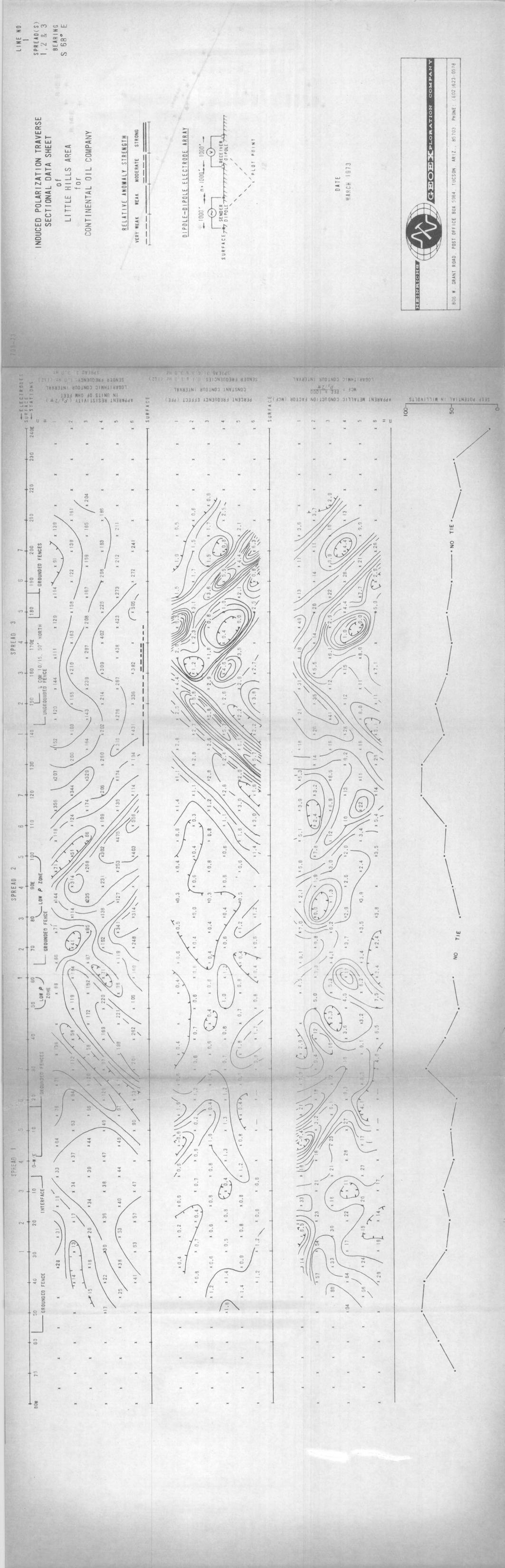
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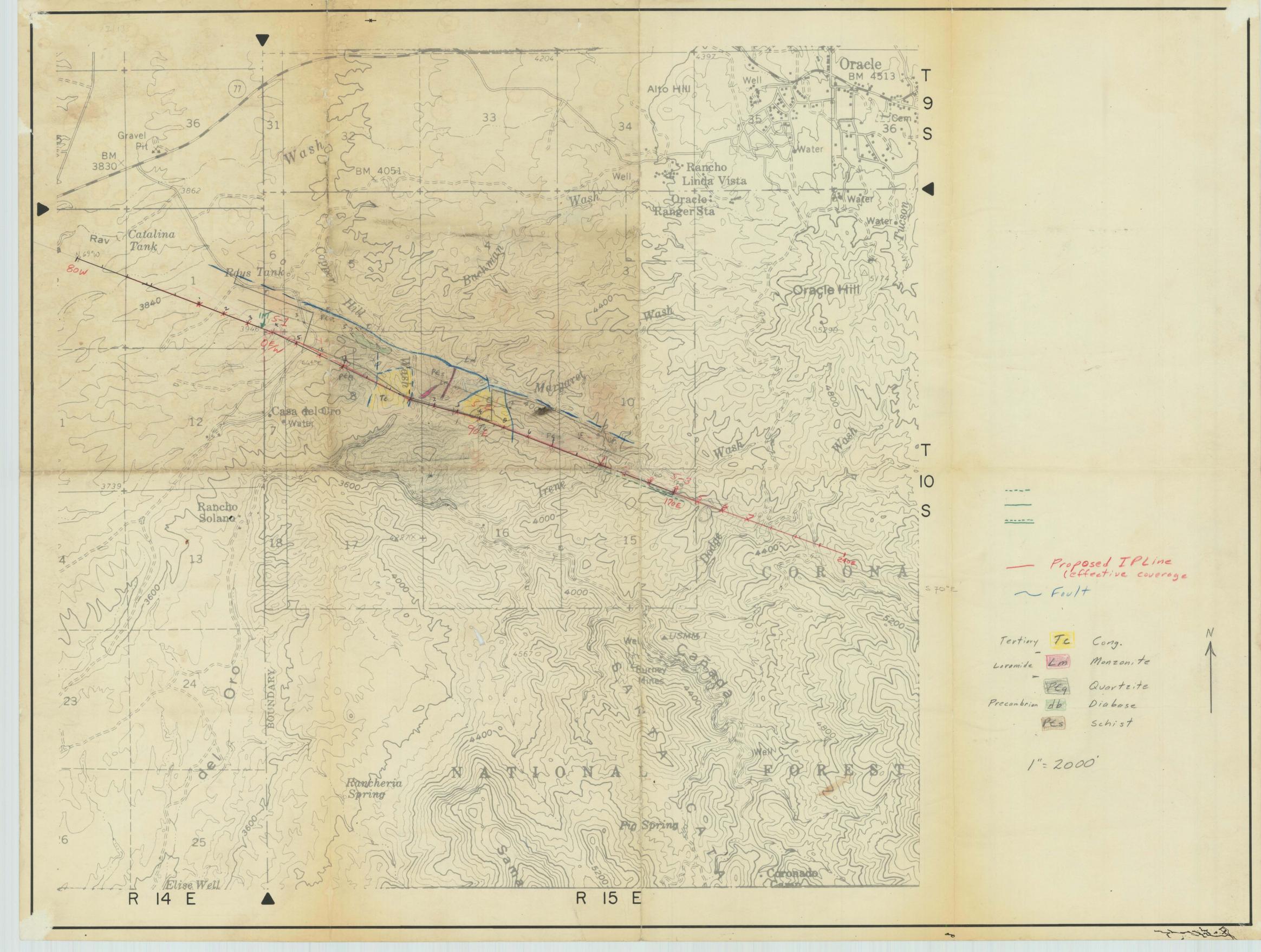
I.P. Sectional Data Sheets

I.P. Plan

Comments on Drilling I.P. Targets









## **Minerals Department**

Continental Oil Company 1706 West Grant Road Tucson, Arizona 85705 (602) 623-3627



BOX 5964 TUCSON, ARIZONA 85703 Phone: (AREA 602) 623-0578

February 7, 1973

Heinrichs Geoexploration Company 806 West Grant Road Tucson, Arizona 85703

Subject: Our Contract MC 82

I.P. Contract Little Hills Area Pinal County, Arizona

## Gentlemen:

Attached is a copy of Induced Polarization contract dated January 18, 1973, which has been signed by Continental. We have also attached a copy of the insurance certificate which was forwarded to us by Paul H. Jones and Company.

Sincerely,

Wes E. Pokluda Senior Landman

pb

Heinrich



## HEINRICHS GEOEXPLORATION COMPANY

806 WEST GRANT ROAD. TUCSON, ARIZONA 85703, P.O. BOX 5964, PHONE: (602) 623-0578

January 18, 1973

Mr. B. F. Kern
Geological Supervisor
Continental Oil Co.
Metallics Division
1706 West Grant Road
Tucson, Arizona 85705

Re: Proposed I.P.
MO Claims near
Tucson. AZ

Dear Mr. Kern:

Persuant to initial discussions at our office with Mr. Gordon Pine, we herewith submit this proposal-contract letter for your approval to conduct an I.P. survey on your MO claims near Tucson.

We understand that roughly 10 line-miles of I.P. coverage are desired to determine if surface showings of copper in the Oracle granite may improve in sulfide content at depth, perhaps localized by a major 45° SW dipping, NW fault. This work is mainly on the downthrown block of Apache group sediments and Gila conglomerate southwest of the fault to penetrate into the granite to the northeast at depth.

This coverage will be on 1000 foot length dipoles and "n" intervals ranging from 1 through 6 to give penetration down to about 1500 feet. The terrain is fairly rugged but probably about one mile of traverse can be obtained per day or 10 field days to complete the 10 line-miles.

A three man crew plus necessary equipment to obtain this I.P. coverage would be charged at \$250.00 per work day plus expenses. Expenses include \$15.00 per day plus \$0.15 per mile per vehicle and one four wheel drive vehicle should suffice. The crew can commute from Tucson so no

Mr. B. F. Kern January 18, 1973 Page Two

living expenses will be involved. Other direct job related expenses will be billed at our invoice cost plus 15 percent.

Our normal work schedule is based on a five day week and an eight hour work day. Travel time up to one hour per day each way to and from the job site will not be charged. Overtime in excess of this schedule will be charged at \$37.50 per hour for the three man crew plus expenses as above.

Standby time due to inclement weather or client request will be charged at half the daily rate plus expenses as above.

Final data compilation, computation, and drafting will be charged at \$10.00 per hour. Final interpretation and report will be charged at \$150.00 per day. Rough field plots and preliminary field interpretations will be available during the project as needed.

We estimate the total billing on this basis would be between \$3,500.00 and \$4,000.00 which includes final drafting, interpretation and report. If no report is involved, the total billing would be reduced by about \$500.00.

One or two extra helpers with their own vehicle would increase the rate of production proportionally if time is critical. Our daily base rate is increased by \$50.00 for each helper but the overall project cost should be about the same as with a three man crew.

GEOEX will save the client harmless from all Workmen's Compensation liability, public liability and property
damage liability incurred by GEOEX employees. All property
permits, brushing, and trespass liability and related
costs which are incurred on behalf of the client will
be chargeable to the client at GEOEX cost plus 15 percent.
All special insurance premiums, bonds, fees, duties,
licenses, taxes, trespass permits, and related special
fees, if any, will be billed to the client at GEOEX cost
plus 15 percent.

Payments are due on presentation. Billings may be submitted weekly with final payment due on presentation of final report.

Mr. B. F. Kern January 18, 1973 Page Three

Our crew availability at this time is likely one or two weeks.

Your understanding and approval of the above may be indicated by signing as provided below on the attached copy of this letter and returning it to us, or by submitting a purchase order.

Sincerely yours,

Heinrichs GEOEXploration Co.

Chris S. Ludwig

Senior Geophysicist

CSL: oek

Date:

CONTINENTAL OIL COMPANY

Accepted by:

W. A. Peterson

Title: Manager of Metallics Exploration

Feb. 5, 1973 Mr. Pokluda (Wes) called: JOB# 798 Continental Oil Oracle No Chimo jot contract signed-resty to go. We can stand when really Check with ky Barbly or Gordon Pine this week theywill show us around property queliminary to crew