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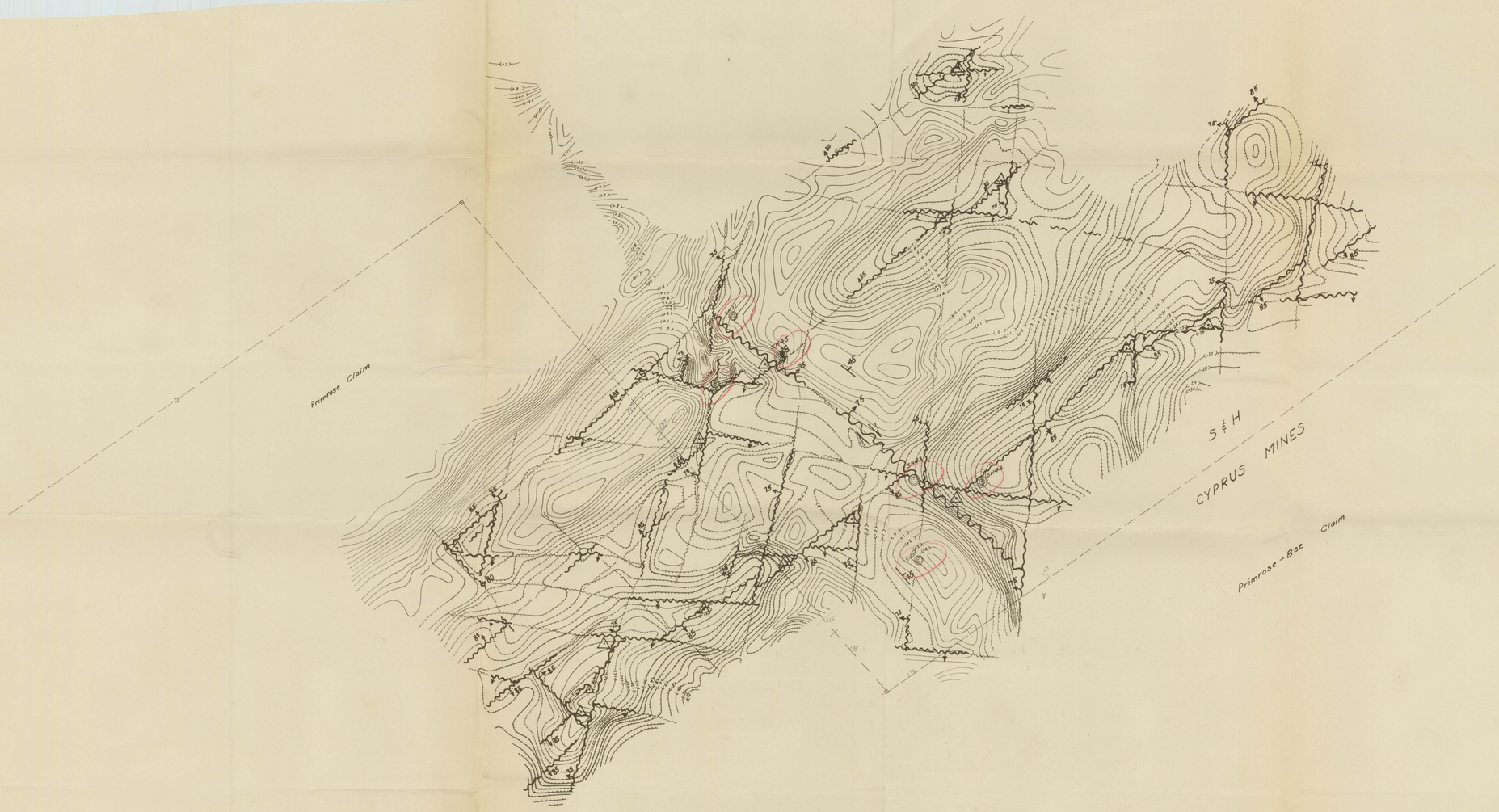

Explanation

1 millivolt line-interval;
based on 3-point triangular-averaging of midpoints of original 75' interval SP pot-points

Possible mineralized faults

Potential drill-sites

Holes drilled

Shale depth		
190'	35	ore?
230'	37	ore
190'	42	—
275'	43	—
370'	44	ore
270'	45	not assayed yet

N

SCALE

100 0 100 200 300

1" = 100'

SELF - POTENTIAL MAP

For Continental Exploration, Inc.
By C. J. Orback, August, 1968

Revised to Oct. 5, 1968

File Continental Ex
Job # 303-68

BY ..... DATE ..... SUBJECT PARTIAL PROPERTY SKETCH SHEET NO. ..... OF .....

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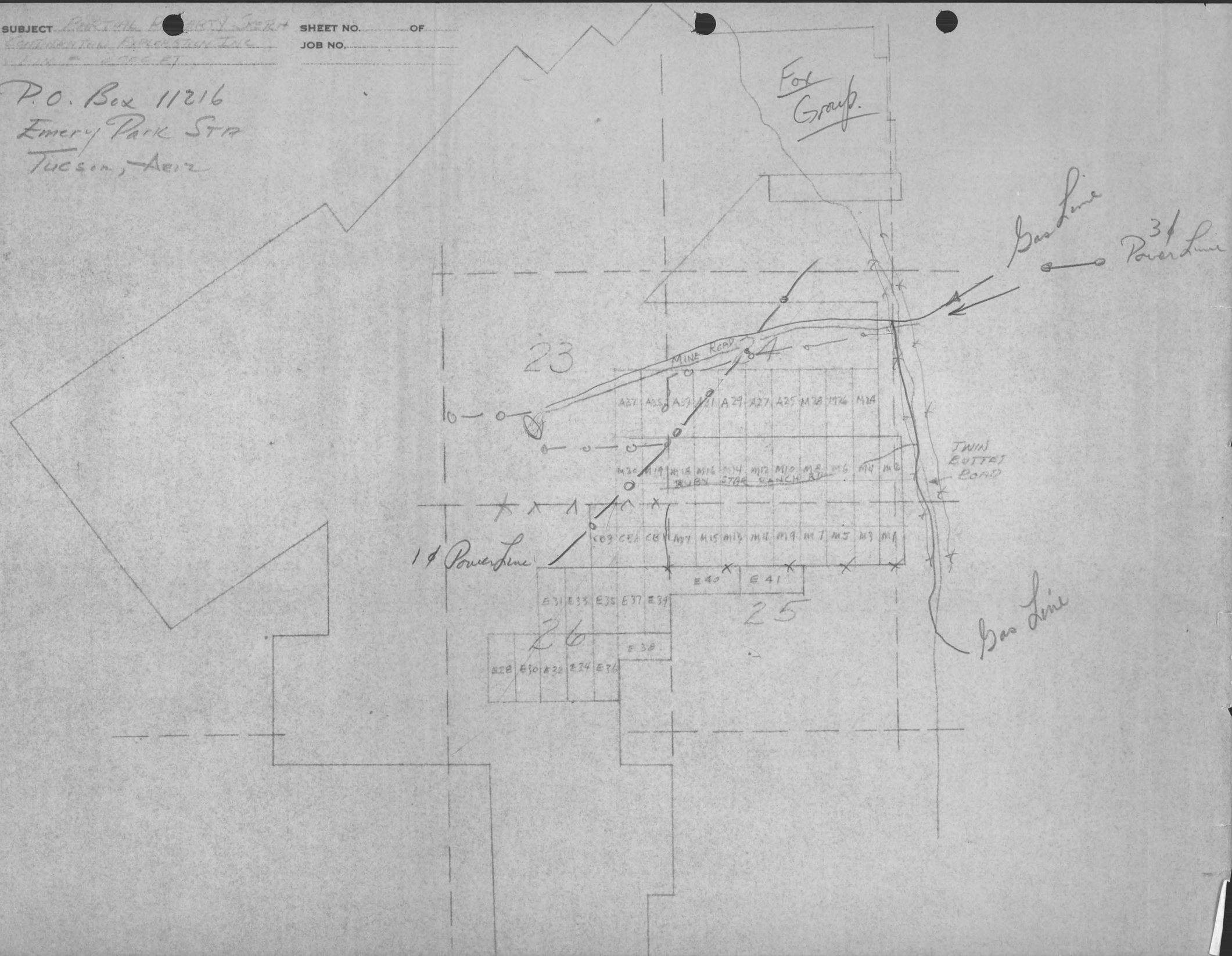

HEINRICHS GEOEX B303-68 LINE 1 SPD 2 LOOKING N42E 10-2-68 B303-68 LINE 1 SPD 1 LOOKING N42E 10-2-68 A= 250 FEET

Continental Exploration Corp.

Eng

3.0 Hz

B17273

PRINTED IN U.S.A.

SURFACE

MCF

N	0.0NW	2.5	5.0	7.5	10.0	12.5	15.0SE
1	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X
5	X	X	X	X	X	X	X
6	X	X	X	X	X	X	X

N	0.0NW	2.5	5.0	7.5	10.0	12.5	15.0NW
1	X-13	X1	X-12	X-16	X-12	X-10	X-6
2	X-12	X-8	X-10	X-8	X-11	X-8	X-4
3	X-8	X-11	X-12	X-11	X-7	X-2	X-2
4	X-11	X-12	X-11	X-14	X-14	X-11	X-8
5	X-15	X-7	X-12	X-12	X-16	X-10	X-6
6	X-7	X-7	X	X	X	X	X

N	0.0NW	2.5	5.0	7.5	10.0	12.5	15.0SE
1	X24	X9	X16	X27	X16	X12	X4
2	X14	X10	X5	X19	X10	X8	X4
3	X14	X10	X13	X11	X8	X8	X4
4	X11	X11	X11	X8	X11	X11	X11
5	X11	X8	X14	X5	X8	X8	X4
6	X11	X11	X11	X5	X5	X5	X5

JOB B303-68 LINE 1 SPREAD 2

LOOKING N42E DATE Oct 2, 1968 A= 250

CENTER -15.0 NW LABEL NW/NW FREQ. 3.0

COUPLING NO

7 Oct. 68
CL

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 1 HALF N48W SP. 2 DATE 11/2/68

SEND	4 3	3 4	4 5	2 3	3 4	4 5	1 2	2 3	3 4	4 5
RECEIVE	15-17.5NW	17.5-20NW		20-22.5NW			22.5-25NW			
RANGE	100	100	30	300	30	30	300	100	30	30
DC 1	883 885	493 483	200 200	994 990	250 250	156 156	980 975	373 375	129 124	925 900
DC 2	883 885	491 480	202 196	994 990	250 250	155 156	980 975	375 370	131 123	915 910
DC 3		491 487	205 195			156 156		376 368	132 121	900 925
DC 4		487 493	206 194					379 366	128 125	
DC 5		484 496						380 365		
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	87.8	48.3	19.8	98.0	24.9	15.5	97.5	37.3	12.75	9.20
AC 2	87.8	48.3	19.9	98.0	24.9	15.5	97.5	37.4	12.75	9.15
AC AVG.										
S.P.	+1	+16		-2			-5			
AC NOISE	.03	.03		.03			.03			
POT RES.										

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 1 HALF NEW SP. 2 DATE 10/2/68

SEND	1 2	2 3	3 4	4 5	1 2	2 3	3 4	4 5		CAL
RECEIVE	25-27.5NW				27.5-30NW					2 3
RANGE	100	30	30	10	30	30	10	10		300
DC 1	42.0 417	261 262	102 101	871 861	221 224	170 167	758 740	662 660		1070 1075
DC 2	423 414	260 263	101 102	867 864	217 227	168 168	750 743	658 660		1070 1075
DC 3	425 410	257 265	100 103	861 869	210 233	166 170	744 743	647 678		
DC 4	428 407	259 264		856 879	222 221	163 172	740 755	655 662		
DC 5	433 403	257 265		851 884	218 227	163 174	756 723	662 667		
DC 6					211 230		763 704	664 657		
DC 7							750 745	677 648		
DC 8							741 740	674 634		
DC AVG.										
AC 1	42.0	26.2	10.2	8.66	22.1	17.0	7.58	6.68		106
AC 2	42.0	26.2	10.2	8.68	22.3	17.0	7.56	6.64		106
AC AVG.										
S.P.	-2				0					
AC NOISE	.04				.05					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PAGE

PROJECT Continental

LINE 1 HALF NW SP. 2 DATE 10/2/68

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE										
VOLTAGE	413	385	410	343	383	408	175	342	381	403
CURRENT	1.0	0.9	1.0	1.0	0.9	1.0	1.0	1.0	0.9	1.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal
RECEIVE	→	→	→	→	→	→	→	→		2-3
RANGE										
VOLTAGE	173	340	378	403	175	341	378	400		345
CURRENT	1.0	1.0	0.9	1.0	1.0	1.0	0.9	1.0		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-S

OPERATOR B. Rasmussen

RECEIVER NO. 5644-R

OPERATOR Don B.

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PAGE

PROJECT 303
LINE 1 HALF ~~S48E~~ SP. 2 DATE 10/2/68

SEND	1 2	2 3	1 2	3 4	2 3	1 2	4 5	3 4	2 3	1 2
RECEIVE	15-12.5NW	12.5-10 NW	[illegible]	10-7.5NW			7.5-5 NW			
RANGE	100	100	30	100	100	30	300	30	30	10
DC 1	536 536	860 851	200 201	649 638	322 315	110 110	990 995	275 274	203 200	820 820
DC 2	536 536	860 851	200 201	653/644	323 314	111 110	990 995	275 274	204 200	820 823
DC 3				641 647	324 312	112 108			203 200	819 821
DC 4				639 650						
DC 5				637 656						
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	54.2	86.5	20.3	65.2	32.1	11.1	100	27.4	20.1	8.16
AC 2	54.2	86.5	20.3	65.2	32.0	11.1	100	27.4	20.1	8.16
AC AVG.										
S.P.	+15	+16		+7			+2			
AC NOISE	.03	.03		.03			.03			
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 1 HALF 54R E SP. 2 DATE 10/2/68

PAGE

SEND	4 5	3 4	2 3	1 2	4 5	3 4	2 3	1 2		CAL
RECEIVE	5-2.5 NW				2.5-0 NW					3 4
RANGE	100	30	30	10	30	30	30	10		300
DC 1	456 457	177 180	160 159	719 704	250 247	106 117	106 107	548 560		900 900
DC 2	457 456	176 181	161 158	720 712	250 247	105 118	105 107	547 564		900 900
DC 3		176 181	161 158	711 703		105 117	106 107	544 571		
DC 4				705 716				559 557		
DC 5				713 708				546 566		
DC 6				712 704				545 562		
DC 7								549 558		
DC 8								548 564		
DC AVG.										
AC 1	45.8	17.8	15.9	7.03	24.9	11.1	10.6	5.54		91.0
AC 2	45.7	17.8	15.9	7.03	24.9	11.1	10.6	5.54		91.0
AC AVG.										
S.P.	+7				-6					
AC NOISE	.05				.05					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Continental

LINE 1 HALF SE SP. 2 DATE 10/2/68

PAGE

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE										
VOLTAGE	173	337	173	373	337	174	396	374	338	174
CURRENT	1.0	1.0	1.0	0.9	1.0	1.0	1.0	0.9	1.0	1.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Cal
RECEIVE	→	→	→	→	→	→	→	→		3-4
RANGE										
VOLTAGE	395	374	336	174	394	373	336	175		374
CURRENT	1.0	0.9	1.0	1.0	1.0	0.9	1.0	1.0		0.9

FREQUENCIES .05 3.0

SENDER NO. 9662-S

OPERATOR B. Rasmussen

RECEIVER NO. 5644 R

OPERATOR Don B.

COMMENTS:

Continental Expl

HEINRICHS GEOEX B303-68 LINE 1 SPU 2 LOOKING N42E 10-2-68 A= 250 FEET

1.000	.900	1.000	1.000	.900	1.000	1.000	1.000	.900	1.000	I	1.000	1.000	.900	1.000	1.000	1.000	.900	1.000	1.000	
883	492	200	994	25	156	980	373	129	925	DC	420	261	102	871	221	170	758	662	1070	LEFT
885	483	200	990	25	156	975	375	124	900		417	262	101	861	224	167	740	660	1075	SIDE
	497	202			155		375	131	915		423	260	101	867	217	168	/	658		
	480	196			156		370	123	910		414	263	102	864	227	168	750	660		
	/	205			156		376	132	900		425	257	100	861	210	166	743	647		
	491	195			156		368	121	925		410	265	103	869	233	170	744	678		
	487	206					379	/			429	/		856	/	163	743	/		
	487	194					366	128			407	259		879	222	172	740	655		
	493						380	125			433	264		851	221	163	755	662		
	484						365				403	257		884	218	174	/	662		
	496											265			227		756	667		
															211		723	664		
															230		763	657		
																	704	677		
																	/	648		
																	750	674		
																	745	634		
																	741			
																	740			
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
88.40	48.88	20.01	99.20	25.00	15.58	97.75	37.31	12.69	9.100	DCA	41.88	26.10	10.13	8.651	22.08	16.77	7.432	6.607	107.2	
87.80	48.30	19.80	98.00	24.90	15.50	97.50	37.30	12.75	9.200	AC1	42.00	26.20	10.20	8.660	22.10	17.00	7.580	6.660	106.0	
87.80	48.30	19.90	98.00	24.90	15.50	97.50	37.40	12.75	9.150	AC2	42.00	26.20	10.20	8.680	22.30	17.00	7.560	6.640	106.0	
87.80	48.30	19.85	98.00	24.90	15.50	97.50	37.35	12.75	9.175	ACA	42.00	26.20	10.20	8.670	22.20	17.00	7.570	6.650	106.0	
61.82	37.98	55.98	69.37	77.70	109.0	68.36	104.4	98.61	127.3	RHO	117.2	182.5	157.4	211.7	154.4	234.5	202.1	258.8	.932	DC CAL
-.5	.0	-.3	.0	-.8	-.7	-.9	-1.3	-1.6	-2.0	PFE	-1.4	-1.5	-1.8	-1.4	-1.7	-2.5	-3.0	-1.8	.988	AC CAL
-8	1	-6	1	-10	-6	-13	-12	-16	-16	MCF	-12	-8	-12	-7	-11	-11	-15	-7		

1.000	1.000	1.000	.900	1.000	1.000	1.000	.900	1.000	1.000	I	1.000	.900	1.000	1.000	1.000	.900	1.000	1.000	.900	
536	860	200	649	322	110	990	275	203	820	DC	456	177	160	719	250	106	106	548	9	RIGHT
536	851	201	638	315	110	995	274	200	820		457	180	159	704	247	117	107	560	9	SIDE
			653	323	111			204	820		457	176	161	720		105	105	547		
			/	314	110			200	823		456	181	158	712		118	107	564		
			644	324	112			203	819			176	161	711		105	106	544		
			641	312	108			200	821			181	158	703		117	107	571		
			647											705				/		
			639											716				559		
			650											713				557		
			637											708				546		
			656											712				566		
														704				545		
																		562		
																		549		
																		558		
																		548		
																		564		

1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
53.60	85.55	20.05	64.41	31.86	11.04	99.2	27.45	20.17	8.205	DCA	45.67	17.84	15.96	7.105	24.85	11.13	10.63	5.548	90.00	
54.20	86.50	20.30	65.20	32.10	11.10	100.0	27.40	20.10	8.160	AC1	45.80	17.80	15.90	7.030	24.90	11.10	10.60	5.540	91.00	
54.20	86.50	20.30	65.20	32.00	11.10	100.0	27.40	20.10	8.160	AC2	45.70	17.80	15.90	7.030	24.90	11.10	10.60	5.540	91.00	
54.20	86.50	20.30	65.20	32.05	11.10	100.0	27.40	20.10	8.160	ACA	45.75	17.80	15.90	7.030	24.90	11.10	10.60	5.540	91.00	
40.20	64.16	60.15	53.68	95.58	82.80	74.44	91.50	151.3	123.1	RHO	137.0	148.7	239.4	186.5	186.4	185.5	279.0	233.0	1.000	DC CAL
-.0	.0	-.1	-.1	.5	.6	.4	1.3	1.5	1.7	PFE	.9	1.3	1.5	2.2	.9	1.4	1.4	1.3	1.011	AC CAL
-0	0	-2	-2	5	7	5	14	10	14	MCF	7	9	6	12	5	7	5	5		

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B1/267

JOB B303-68 LINE 1 SPREAD 1

LOOKING N 42°E DATE Oct 2, 1968 A= 250

CENTER 0.0 LABEL NW / SE FREQ. 3.0

COUPLING No

7 Oct 68

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 1 HALF N½W SP. 1 DATE 10/9/68

SEND	4 5	3 4	4 5	2 3	3 4	4 5	1 2	2 3	3 4	4 5
RECEIVE	0-2.5 NW	2.5-5 NW		5-7.5 NW			7.5-10 NW			
RANGE	300	1000	300	300	300	100	300	100	100	30
DC 1	299 300	408 406	109 109	275 274	109 110	381 380	980 972	643 644	380 380	156 157
DC 2	299 300	405 408	109 109	275 274	109 110	381 380	980 972	642 645	379 380	157 156
DC 3		404 410						642 644	379 380	158 156
DC 4		403 412						642 643		
DC 5		402 413								
DC 6										
DC 7										
DC 8	0.8	1.1	1.0	1.7	2.3	2.0	2.7	1.8	2.5	2.5
DC AVG.										
AC 1	297.	402.	108.	270.	107.	37.3	95.0	63.2	37.0	15.3
AC 2	297.	402.	108.	270.	107.	37.3	95.0	63.2	37.0	15.3
AC AVG.										
S.P.	+7	+6		+4			-5			
AC NOISE	.03	.03		.03			.03			
POT RES.										

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 1 HALF N48W SP. 1 DATE 10/2/68

SEND	1 2	2 3	3 4	4 5	1 2	2 3	3 4	4 5		CAL
RECEIVE	10-12.5NW				12.5-15NW					2 3
RANGE	30	30	30	10	30	30	30	10		300
DC 1	273 275	256 257	190 194	903 917	115 112	130 128	108 109	559 557		1075 1075
DC 2	271 276	256 257	190 195	888 920	117 110	130 128	109 110	555 560		1075 1075
DC 3	270 277		189 195	890/907	118 109		108 110	556 560		
DC 4	269 278			904 917	120 107		108 110	551 561		
DC 5				898 920				548 563		
DC 6				887 936				544 567		
DC 7								542 574		
DC 8	2.4	2.2	2.5	1.5	2.3	3.2	2.8	549 562		
DC AVG.								2.6		
AC 1	26.7	25.1	18.75	8.91	11.7	12.5	10.6	5.43		107.5
AC 2	267	25.1	18.70	8.94	11.1	12.5	10.6	5.43		107.5
AC AVG.										
S.P.	+19				−9					
AC NOISE	.02				.03					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PAGE

PROJECT Continental

LINE 1 HALF NW SP. 1 DATE 10/2/68

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE										
VOLTAGE	335	389	331	422	388	330	328	424	388	329
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	0.6	1.0	1.0	1.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal.
RECEIVE	→	→	→	→	→	→	→	→		2-3
RANGE										
VOLTAGE	326	423	385	327	324	421	384	325		425
CURRENT	0.6	1.0	1.0	1.0	0.6	1.0	1.0	1.0		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-5

OPERATOR B. Rasmussen

RECEIVER NO. 5644 R

OPERATOR Don B.

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PAGE

PROJECT 303

LINE 1 HALF S48E SP. 1 DATE 10/2/68

SEND	1 2	2 3	1 2	3 4	2 3	1 2	4 5	3 4	2 3	1 2
RECEIVE	0-2.5SE	2.5-5SE		5-7.5SE			7.5-10SE			
RANGE	300	300	100	1000	100	30	300	300	100	30
DC 1	220 215	287 281	635 624	296 298	901 902	271 271	180 178	106 106	448 445	152 153
DC 2	220 215	287 281	635 624	296 298	901 902	271 271	180 178	106 106	448 445	152 153
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	218.	285.	63.3	297.	90.1	27.1	179.	108	44.3	15.2
AC 2	218.	285.	63.3	297.	90.1	27.1	179.	106	44.3	15.2
AC AVG.										
S.P.	-8	+22	-	-3			+4			
AC NOISE	.07	.06		.03			.03			
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 303

LINE 1 HALF 548E SP. 1 DATE 10/7/68

PAGE

SEND	4 5	3 4	2 3	1 2	4 5	3 4	2 3	1 2		CAL
RECEIVE	10-12.5SE				12.5-15SE					3 4
RANGE	100	100	100	30	100	100	100	30		300
DC 1	757 761	630 632	304 304	113 112	535 526	536 526	282 281	103 105		1075 1070
DC 2	760 760	630 632	304 304	113 111	536 525	525 526	282 281	103 105		1075 1070
DC 3	760			113 111	537 524	524 525		102 106		
DC 4				113 111		526 527				
DC 5						526 528				
DC 6						524 528				
DC 7										
DC 8										
DC AVG.										
AC 1	75.6	62.2	30.0	10.9	52.2	51.5	27.6	10.0		110.0
AC 2	75.6	62.2	30.0	10.9	52.2	51.5	27.4	10.0		110.0
AC AVG.										
S.P.	+2				-7					
AC NOISE	.04				.03					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PAGE

PROJECT Continental

LINE 1 HALF SE SP. 1 DATE 10/3/68

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE										
VOLTAGE	343	450	342	405	440	340	340	405	442	342
CURRENT	0.6	1.0	0.6	1.0	1.0	0.6	1.0	1.0	1.0	0.6
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Cal.
RECEIVE	→	→	→	→	→	→	→	→		3-4
RANGE										
VOLTAGE	340	400	439	339	338	400	438	338		412
CURRENT	1.0	1.0	1.0	0.6	1.0	1.0	1.0	0.6		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-3

OPERATOR B. Rasmussen

RECEIVER NO. 5644 R

OPERATOR Don B.

COMMENTS:

Continental Expl 3.0= Hz

HEINRICHS GEOEX B303-68 LINE 1 SPD 1 LOOKING N42E 10-2-68 A= 250 FEET

1.000	1.000	1.000	1.000	1.000	1.000	.600	1.000	1.000	1.000	I	.600	1.000	1.000	1.000	.600	1.000	1.000	1.000	1.000	
299	408	109	275	109	381	980	643	380	156	DC	273	256	190	903	115	130	108	559	1075	LEFT
300	406	109	274	110	380	972	644	380	157		275	257	194	917	112	128	109	557	1075	SIDE
	405						642	379	157		271		190	898	117		109	555		
	408						645	380	156		276		195	920	110		110	560		
	404						642	379	158		270		189	890	118		108	556		
	410						644	380	156		277		195	/	109		110	560		
	403						642				269			907	120		108	551		
	412						643				278			904	107		110	561		
	402													917				548		
	413													898				563		
														920				544		
														889				567		
														936				542		
																		574		
																		/		
																		549		
																		562		
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
299.5	406.7	109.0	274.5	109.5	38.05	97.60	64.31	37.96	15.68	DCA	27.34	25.65	19.21	9.081	11.39	12.90	10.90	5.561	107.5	
297.0	403.0	108.0	270.0	107.0	37.30	95.00	63.20	37.00	15.30	AC1	26.70	25.10	18.75	8.910	11.10	12.50	10.60	5.430	107.5	
297.0	402.0	108.0	270.0	107.0	37.30	95.00	63.20	37.00	15.30	AC2	26.70	25.10	18.70	8.940	11.10	12.50	10.60	5.430	107.5	
297.0	402.5	108.0	270.0	107.0	37.30	95.00	63.20	37.00	15.30	ACA	26.70	25.10	18.72	8.925	11.10	12.50	10.60	5.430	107.5	
209.0	283.8	304.2	191.5	305.6	265.5	113.5	179.5	264.8	218.8	RHO	127.1	179.0	268.0	221.7	132.4	180.0	266.2	217.3	.930	DC CAL
.8	1.0	.9	1.7	2.3	2.0	2.7	1.8	2.6	2.5	PFE	2.4	2.2	2.6	1.7	2.6	3.2	2.8	2.4	1.000	AC CAL
4	4	3	9	8	8	24	10	10	11	MCF	19	12	10	8	19	18	11	11		

.600	1.000	.600	1.000	1.000	.600	1.000	1.000	1.000	.600	I	1.000	1.000	1.000	.600	1.000	1.000	1.000	.600	1.000	
220	287	635	296	901	271	180	106	446	152	DC	757	630	304	113	535	536	282	103	1075	RIGHT
215	281	624	298	902	271	178	106	445	153		761	632	304	112	526	526	~~881~~	105	1070	SIDE
											760			113	536	525	281	103		
											760			111	525	526		105		
											760			113	537	524		102		
														111	524	525		106		
														113		526				
														111		527				
																526				
																528				
																524				
																528				
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
217.5	284.0	62.95	297.0	90.15	27.10	179.0	106.0	44.55	15.25	DCA	75.99	63.10	30.40	11.21	53.07	52.63	28.15 ~~58.15~~	10.39	107.2	
218.0	285.0	63.30	297.0	90.10	27.10	179.0	108.0	44.30	15.20	AC1	75.60	62.20	30.00	10.90	52.20	51.50	27.60	10.00	110.9	
218.0	285.0	63.30	297.0	90.10	27.10	179.0	108.0	44.30	15.20	AC2	75.60	62.20	30.00	10.90	52.20	51.50	27.40	10.00	110.9	

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218.0	285.0	63.30	297.0	90.10	27.10	179.0	108.0	44.30	15.20	ACA	75.60	62.20	30.00	10.90	52.20	51.50	27.50	10.00	110.9		
253.5	198.6	293.5	207.7	252.2	315.9	125.2	296.5	311.5	355.5	RHO	212.6	441.3	425.2	457.5	371.1	736.0	~~1423~~ 700.3	678.1	.932	DC	CAL
3.2	3.0	2.8	3.4	3.5	3.4	3.4	3.4	4.0	3.7	PFE	3.9	4.9	4.8	6.4	5.1	5.7	~~115~~ 6.7	7.4	1.034	AC	CAL
12	15	10	16	14	11	27	18	13	11	MCF	19	11	11	14	14	8	~~83~~ 9	11			

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BL/2/1

JOB B303 - 68 LINE 2 SPREAD 1

LOOKING N 42 E DATE Oct 3, 1968 A= 250

CENTER 0.0 LABEL NW/SE FREQ. 3.0

COUPLING NO

7 Oct 68
CS

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 2 HALF N48W SP. 1 DATE 10/3/68

PAGE

SEND	4 5	3 4	4 5	2 3	3 4	4 5	1 2	2 3	3 4	4 5
RECEIVE	0-2.5 NW	2.5-5 NW		5-7.5 NW			7.5-10 NW			
RANGE	300	300	100	300	100	100	100	100	30	30
DC 1	265 273	148 148	775 765	105 106	444 442	320 328	903 902	351 345	220 216	190 192
DC 2	265 273	148 148	775 765	105 106	443 444	319 329	903 902	351 345	223 215	189 193
DC 3					441 445	318 330			225 214	188 194
DC 4					440 446				227 212	186 195
DC 5									228 211	185 196
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	267.	148.	75.8	108.	44.4	32.3	91.7	35.5	22.0	19.0
AC 2	267.	148.	75.8	108.	44.4	32.3	91.7	35.5	22.0	19.0
AC AVG.										
S.P.	-13	+9		+4			-18			
AC NOISE	.03	.03		.03			.03			
POT RES.										

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 2 HALF N 48W SP. 1 DATE 10/7/68

SEND	1 2	2 3	3 4	4 5	1 2	2 3	3 4	4 5		CAL
RECEIVE	10-12.5NW				12.5-15NW					2 3
RANGE	100	30	30	30	30	10	10	10		300
DC 1	286 277	175 176	129 129	126 129	126 127	896 897	720 742	759 773		101 101
DC 2	288 276	175 177	130 128	126 129	125 127	895 900	721 741	762 770		101 101
DC 3	290 275	174 177	131 128		125 128	893 900	721 739	755 767		
DC 4	292 273	174 177	131 128		124	890 901	724 738	756 766		
DC 5						888 906	734 733	757 767		
DC 6						881 914	734 726	759 772		
DC 7										
DC 8										
DC AVG.										
AC 1	28.7	17.7	12.8	12.6	12.7	8.96	7.19	7.49		.109
AC 2	28.5	17.7	12.8	12.6	12.7	8.97	7.14	7.48		109.
AC AVG.										
S.P.	+21				-1					
AC NOISE	.03				.03					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PAGE

PROJECT Continental

LINE 2 HALF NW SP. 1 DATE 10/3/68

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE										
VOLTAGE	306	356	305	321	357	305	257	322	358	306
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal.
RECEIVE	→	→	→	→	→	→	→	→		2-3
RANGE										
VOLTAGE	257	321	356	304	254	319	356	303		323
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-5

OPERATOR B. Rasmussen

RECEIVER NO.

OPERATOR Don. B.

COMMENTS:

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 2 HALF 548E SP. 1 DATE 10/3/68

SEND	1 2	2 3	1 2	3 4	2 3	1 2	4 5	3 4	2 3	1 2
RECEIVE	0-2.5 SE	2.5-5 SE		5-7.5 SE			7.5-10 SE			
RANGE	300	300	100	300	100	100	1000	300	100	30
DC 1	1475 145	277 279	763 775	294 292	629 631	316 311	423 423	106 108	368 365	216 212
DC 2	1475 145	277 279	762 775	294 292	629 631	317 310	423 423	106 108	371 363	215 213
DC 3			763 774			317 310			373 362	213 214
DC 4									374 361	211 215
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	147.5	272.	76.2	288.	61.8	31.3	423.	105.	36.4	21.4
AC 2	147.5	272.	76.2	288.	61.8	31.3	423.	105.	36.4	21.4
AC AVG.										
S.P.	-13	+13		-2			+8			
AC NOISE	.07	.04		.04			.04			
POT RES.										

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 2 HALF S48E SP. 1 DATE 10/3/68

SEND	4 5	3 4	2 3	1 2	4 5	3 4	2 3	1 2		CAL
RECEIVE	10-12.5SE				12.5-15NE					3 4
RANGE	300	100	30	30	100	30	30	10		300
DC 1	112 112	384 384	165 161	101 100	459 445	221 224	101 100	699 682		107 107
DC 2	112 112	384 384	165 161	101 99	460 442	220 225	101 98	711 675		107 107
DC 3				101 99	462 440	219 226	103 97	696 708		
DC 4				102 98	464 439		105 96	685 703		
DC 5					464 439		106 95	677 710		
DC 6								701 681		
DC 7								703 676		
DC 8										
DC AVG.										
AC 1	112.	37.9	16.3	10.1	44.6	21.7	10.0	6.96		110.
AC 2	112.	37.9	16.3	10.1	44.6	21.7	10.0	6.96		110.
AC AVG.										
S.P.	+9				-2					
AC NOISE	.04				.05					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PAGE

PROJECT Continental

LINE 2 HALF SE SP. 1 DATE 10/3/68

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE										
VOLTAGE	268	333	268	365	331	267	311	367	330	265
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Cal.
RECEIVE	→	→	→	→	→	→	→	→		3-4
RANGE										
VOLTAGE	308	363	328	263	309	362	327	362		368
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-S

OPERATOR B. Rasmussen

RECEIVER NO.

OPERATOR Don B.

COMMENTS:

Continental Expl 3.0 Hz

HEINRICHS GEOEX B303-68 LINE 2 SPD 1 LOOKING N42E 10-3-68 A= 2500 FEET 250.

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	I	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
265	148	775	105	444	320	903	351	220	190	DC	286	175	129	126	126	896	720	759	101	LEFT
273	148	765	106	442	328	902	345	216	192		277	176	129	129	127	897	742	773	101	SIDE
				443	319			223	189		288	175	130		125	895	721	762		
				444	329			215	193		276	177	128		127	900	741	770		
				441	318			225	188		290	174	131		125	893	721	755		
				445	330			214	194		275	177	128		128	900	739	767		
				440				227	186		292	174	131		124	890	724	756		
				446				212	195		273	177	128			901	738	766		
								228	185							888	734	757		
								211	196							906	733	767		
																881	734	759		
																914	726	772		
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
269.0	148.0	77.00	105.5	44.29	32.38	90.25	34.80	21.95	19.06	DCA	28.25	17.56	12.94	12.75	12.62	8.960	7.318	7.634	101.0	
267.0	148.0	75.80	108.0	44.40	32.30	91.70	35.50	22.00	19.00	AC1	28.70	17.70	12.80	12.60	12.70	8.960	7.190	7.490	109.0	
267.0	148.0	75.80	108.0	44.40	32.30	91.70	35.50	22.00	19.00	AC2	28.50	17.70	12.80	12.60	12.70	8.970	7.190	7.480	109.0	
267.0	148.0	75.80	108.0	44.40	32.30	91.70	35.50	22.00	19.00	ACA	28.60	17.70	12.80	12.60	12.70	8.965	7.190	7.485	109.0	
1997.5	1099.0	2287.1	783.4	1315.4	2404.5	670.2	1033.7	1630.0	2830.0	RHO	839.1	1303.7	1921.1	3313.7	936.9	1330.7	1902.0	3174.6	.990	DC CAL
8.7	7.9	9.6	5.4	7.6	8.2	6.2	5.8	7.7	8.2	PFE	6.6	7.0	9.1	9.2	7.2	7.9	9.8	10.1	1.079	AC CAL
4	7	4	7	6	3	9	6	5	3	MCF	8	5	5	3	8	6	5	3		

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	I	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1475	277	763	294	629	316	423	106	368	216	DC	112	384	165	101	459	221	101	699	107	RIGHT
1450	279	775	292	631	311	423	108	365	212		112	384	161	100	445	224	100	682	107	SIDE
		762			317			371	215					101	460	220	101	711		
		775			310			363	213					99	442	225	98	675		
		763			317			373	213					101	462	219	103	/		
		774			310			362	214					99	440	226	97	696		
								374	211					102	464		105	700		
								361	215					98	439		96	685		
															464		106	703		
															439		95	677		
																		710		
																		/		
																		701		
																		681		
																		703		
																		676		
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
146.2	278.0	76.87	293.0	63.00	31.36	423.0	107.0	36.75	21.34	DCA	112.0	38.40	16.30	10.02	45.17	22.23	10.04	6.928	107.0	
147.5	272.0	76.20	288.0	61.80	31.30	423.0	105.0	36.40	21.40	AC1	112.0	37.90	16.30	10.10	44.60	21.70	10.00	6.960	110.0	
147.5	272.0	76.20	288.0	61.80	31.30	423.0	105.0	36.40	21.40	AC2	112.0	37.90	16.30	10.10	44.60	21.70	10.00	6.960	110.0	
147.5	272.0	76.20	288.0	61.80	31.30	423.0	105.0	36.40	21.40	ACA	112.0	37.90	16.30	10.10	44.60	21.70	10.00	6.960	110.0	

```
*-----*----------*----------*----------*----------*-------  ----------*----------*----------*----------*-----*----------
1025.11948.62155.22053.71766.42198.12965.03000.02575.92991.0   RHO  3140.22691.62285.02458.53165.93116.42464.22719.3  .935 DC CAL
*-----*----------*----------*----------*----------*-------  ----------*----------*----------*----------*-----*----------
  1.9   5.1   3.7   4.6   4.8   3.0   2.8   4.8   3.8   2.5   PFE    2.8   4.2   2.8   2.0   4.1   5.3   3.3   2.3 1.028 AC CAL
*-----*----------*----------*----------*----------*-------  ----------*----------*----------*----------*-----*----------
    2     3     2     2     3     1     1     2     1     1   MCF      1     2     1     1     1     2     1     1
```

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B1/2/5

HEINRICHS GEOEX Continental Expl 3.0 Hz 8303-68 LINE 2 SPD 1 LOOKING N42E 10-3-68 A= 2500 FEET

1 2 3 4 5

150NW 125 100 75 50 25 0NW/SE 25 50 75 100 125 150SE SURFACE

N	150NW	125	100	75	50	25	0NW/SE	25	50	75	100	125	150SE	RHO/2PI
1	X	X	X	X670	X783	X1025→ 1099	X1949→ 1998	X2054	X2968	X	X	X	X	
2	X	X	X	X839	X1034	X1315	X2155→ 2287	X1766	X3000	X3140	X	X	X	
3	X	X	X937	X1304	X1630	X2404	X2198	X2576	X2692	X3166	X	X	X	
4	X	X	X	X1331	X1921	X2830	X	X2991	X2285	X3116	X	X	X	
5	X	X	X	X1902	X3314	X	X	X2459	X2464	X	X	X	X	
6	X	X	X	X	X3175	X	X	X	X2716	X	X	X	X	

1 2 3 4 5

150NW 125 100 75 50 25 0NW/SE 25 50 75 100 125 150SE SURFACE

N	150NW	125	100	75	50	25	0NW/SE	25	50	75	100	125	150SE	PFE
1	X	X	X	X6.2 1.1	X5.4 0.3	X1.9 ~~7.9~~ 2.4	X5.1 ~~8.7~~ 3.6 4.3	X4.6	X2.8	X	X	X	X	
2	X	X	X	X6.6 1.5	X5.8 0.7	X7.6 2.5	X3.7 ~~9.6~~ 4.1 4.3	X4.8	X4.8	X2.8	X	X	X	
3	X	X	X7.2 2.1	X7.0 1.9	X7.7 2.6	X8.2 3.1	X3.9	X3.8	X4.2	X4.1	X	X	X	
4	X	X	X	X7.9 2.8	X9.1 4.0	X8.2 3.1	X	X2.5	X2.8	X5.3	X	X	X	
5	X	X	X	X9.8 4.7	X9.2 4.1	X	X	X2.0	X3.3	X	X	X	X	
6	X	X	X	X	X10.1 5.0	X	X	X	X2.3	X	X	X	X	

+2 +3 -18 0 -4 -13 0 -13 0 -2 +6 +15 +13
1 2 3 4 5
SURFACE
150NW 125 100 75 50 25 0NW/SE 25 50 75 100 125 150SE
N
MCF
1
2
3
4
5
6

B1/2/7

HEINRICHS GEOEX Continental Expl B303-68 LINE 4 SPD 1 LOOKING N35W 10-4-68 A= 250 FEET

	15.0SW	12.5	10.0	7.5	5.0	2.5	0.0SW/NE	2.5	5.0	7.5	10.0	12.5	15.0NE	SURFACE
					1	2	3	4	5					

RHO/2PI

N														
1	X	X	X	X64	X78	X~~61~~ 62 64	X~~65~~ 66 67	X59	X67	X	X	X	X	
2	X	X	X	X133	X96	X97	X~~87~~ 87	X85	X95	X104	X	X	X	
3	X	X	X148	X179	X107	X123	X112	X135	X145	X129	X	X	X	
4	X	X	X	X185	X183	X123	X	X160	X186	X160	X	X	X	
5	X	X	X	X197	X201	X	X	X214	X204	X	X	X	X	
6	X	X	X	X	X205	X	X	X	X219	X	X	X	X	

	15.0SW	12.5	10.0	7.5	5.0	2.5	0.0SW/NE	2.5	5.0	7.5	10.0	12.5	15.0NE	SURFACE
					1	2	3	4	5					

PFE

N														
1	X	X	X	X.0	X.8	X~~1.2~~ 0.1 -1.0	X~~1.2~~ 0.8 .5	X.8	X1.1	X	X	X	X	
2	X	X	X	X1.2	X-.0	X1.3	X~~2.5~~ 1.8 1.2	X1.2	X.4	X.9	X	X	X	
3	X	X	X.8	X1.4	X1.6	X2.4	X1.8	X1.7	X.7	X1.0	X	X	X	
4	X	X	X	X1.2	X2.3	X2.6	X	X2.8	X1.9	X.2	X	X	X	
5	X	X	X	X2.6	X3.0	X	X	X2.3	X1.7	X	X	X	X	
6	X	X	X	X	X3.1	X	X	X	X2.5	X	X	X	X	

	-15	+16	+2	+1	-7	-4	0	-3	-7	-16	-17	-37	-33
					1	2	3	4	5				
SURFACE	15.0SW	12.5	10.0	7.5	5.0	2.5	0.0SW/NE	2.5	5.0	7.5	10.0	12.5	15.0NE
N													MCF
1	X	X	X	X0	X10	X~~20~~ 3 -15	X~~18~~ 13 8	X14	X17	X	X	X	X
2	X	X	X	X9	X-0	X13	X~~28~~ 21 14	X14	X4	X9	X	X	X
3	X	X	X6	X8	X15	X20	X17	X12	X5	X8	X	X	X
4	X	X	X	X7	X13	X21	X	X17	X10	X2	X	X	X
5	X	X	X	X13	X15	X	X	X11	X8	X	X	X	X
6	X	X	X	X	X15	X	X	X	X12	X	X	X	X

PRINTED IN U.S.A.

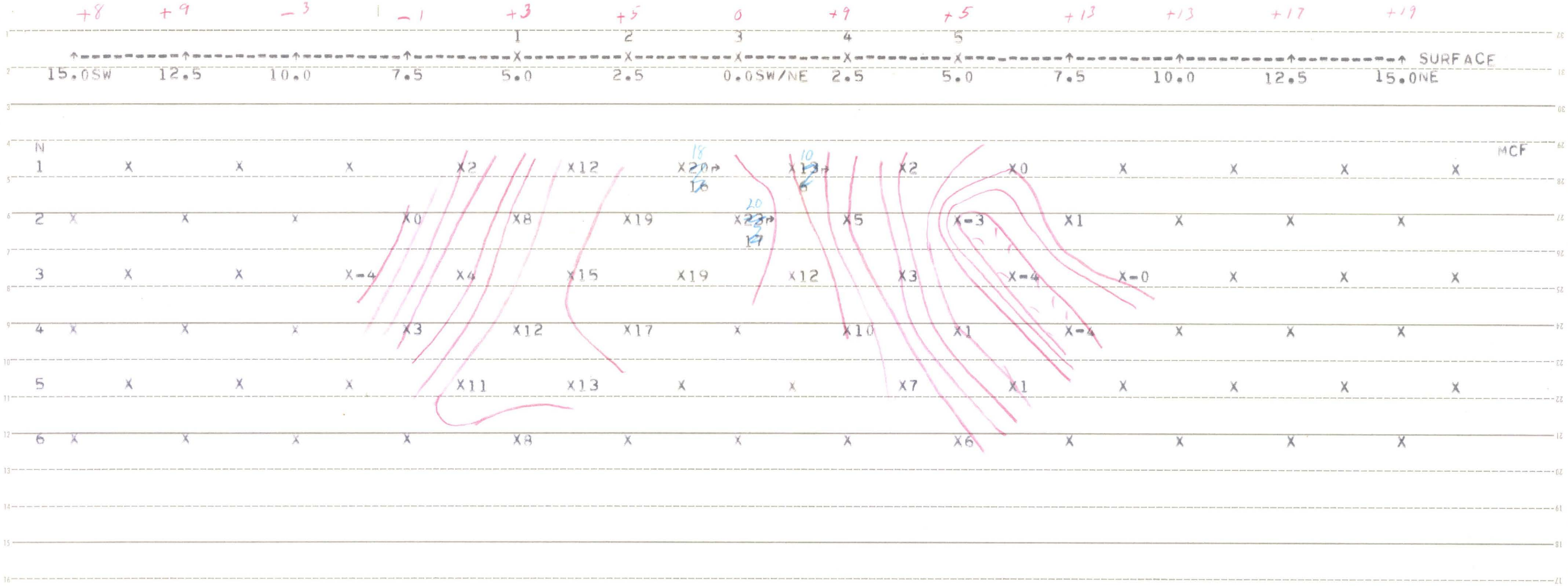
B17285

Continental Expl. 3.0 Hz

HEINRICHS GEOEX B303-68 LINE 3 SPC 1 LOOKING N35W 10-3-68 A= 250 FEET

	15.0SW	12.5	10.0	7.5	5.0	2.5	0.0SW/NE	2.5	5.0	7.5	10.0	12.5	15.0NE	
					1	2	3	4	5					SURFACE
N														RHO/2PI
1	X	X	X	X97	X137	X161 (160)	X141 (140)	X105	X76	X	X	X	X	
2	X	X	X	X153	X223	X124	X137 (139)	X276	X141	X137	X	X	X	
3	X	X	X225	X324	X154	X104	X209	X316	X215	X178	X	X	X	
4	X	X	X	X431	X199	X131	X	X221	X436	X259	X	X	X	
5	X	X	X	X261	X166	X	X	X285	X496	X	X	X	X	
6	X	X	X	X	X222	X	X	X	X311	X	X	X	X	

	15.0SW	12.5	10.0	7.5	5.0	2.5	0.0SW/NE	2.5	5.0	7.5	10.0	12.5	15.0NE	
					1	2	3	4	5					SURFACE
N														PFE
1	X	X	X	X.2	X1.7	X2.9	X1.4	X.2	X.0	X	X	X	X	
2	X	X	X	X.0	X1.7	X2.3	X2.7	X1.4	X-.4	X.1	X	X	X	
3	X	X	X-.9	X1.2	X2.4	X2.0	X2.5	X.9	X-.9	X-.1	X	X	X	
4	X	X	X	X1.2	X2.5	X2.2	X	X2.2	X.6	X-.9	X	X	X	
5	X	X	X	X2.9	X2.2	X	X	X2.0	X.5	X	X	X	X	
6	X	X	X	X	X1.9	X	X	X	X1.7	X	X	X	X	


+8 +9 -3 -1 +3 +5 0 +9 +5 +13 +13 +17 +19
1 2 3 4 5
SURFACE
15.0SW 12.5 10.0 7.5 5.0 2.5 0.0SW/NE 2.5 5.0 7.5 10.0 12.5 15.0NE
N
MCF
1 X X X X2 X12 X20 X13 X2 X0 X X X X
2 X X X X0 X8 X19 X23 X5 X-3 X1 X X X
3 X X X-4 X4 X15 X19 X12 X3 X-4 X-0 X X X
4 X X X X3 X12 X17 X X10 X1 X-4 X X X
5 X X X X11 X13 X X X7 X1 X X X X
6 X X X X X8 X X X X6 X X X X
18 10 20
11
250
1%
10%
251

B17281

JOB B303-68 LINE 4 SPREAD 1

LOOKING N35W DATE Oct 4, 1968 A= 250

CENTER 0.0 LABEL SW/NE FREQ. 3.0

COUPLING NO

7 Oct 68
ct

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 4 HALF 555W SP. 1 DATE 10/4/68

SEND	4 5	3 4	4 5	2 3	3 4	4 5	1 2	2 3	3 4	4 5
RECEIVE	0-2.5SW	2.5-5SW		5-7.5SW			7.5-10 SW			
RANGE	300	100	100	300	100	30	300	100	30	10
DC 1	915 960	922 913	313 310	1125 112	349 346	175 178	910 918	341 347	151 156	880 887
DC 2	915 960	922 913	313 310	1125 112	349 346	174 179	910 918	341 347	152 155	885 886
DC 3						173 179			153 155	879 898
DC 4						173 179			153 155	874/886
DC 5										882 883
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	98.5	94.8	31.5	114.	35.1	17.6	93.5	35.2	15.5	8.83
AC 2	98.5	94.8	31.5	114.	35.1	17.6	93.5	35.2	15.5	8.83
AC AVG.										
S.P.	-4	-3		+8			+1			
AC NOISE	.08	.05		.03			.04			
POT RES.										

PAGE

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 303

LINE 4 HALF 555W SP. 1 DATE 10/3/68

SEND	1 2	2 3	3 4	4 5	1 2	2 3	3 4	4 5		CAL
RECEIVE	10-12.55W				12.5-15.5W					2 3
RANGE	100	30	30	10	30	30	10	10		300
DC 1	476 477	257 257	131 131	821 821	214 210	133 133	797 813	520 520		1075 1075
DC 2	476 477	255 258	131 131	823 820	216 208	133 131	802 826	533 526		1075 1075
DC 3		256 258		820 825	220 204	134 131	781 813	534 518		
DC 4		254 259		811 838	211 212	133 132	792 835	536 567		
DC 5				820 832	214 210	133 133	783 822	541 502		
DC 6				813 825			780 837	518 533		
DC 7							778 829	520 527		
DC 8							773 846	529 522		
DC AVG.										
AC 1	48.2	25.9	13.1	8.16	21.5	13.4	8.03	5.22		110.0
AC 2	48.2	25.9	13.1	8.16	21.5	13.4	8.03	5.21		110.0
AC AVG.										
S.P.	+14				-31					
AC NOISE	.03				.05					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Continental

LINE 4 HALF ~~[illegible]~~ SP. 1 DATE 10/4/68

PAGE

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE										
VOLTAGE	238	378	237	336	374	235	328	338	375	234
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal.
RECEIVE	→	→	→	→	→	→	→	→		2-3
RANGE										
VOLTAGE	326	337	373	234	323	335	373	233		339
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-5

OPERATOR B. Rasmussen

RECEIVER NO.

OPERATOR Don B.

COMMENTS:

PAGE

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 303

LINE 4 HALF N55E SP. 1 DATE 10/3/68

SEND	1 2	2 3	1 2	3 4	2 3	1 2	4 5	3 4	2 3	1 2
RECEIVE	0-2.5 NE	2.5-5 NE		5-7.5 NE			7.5-10 NE			
RANGE	100	300	100	100	30	30	100	100	30	30
DC 1	860 875	925 925	306 312	840 826	300 301	160 155	943 944	333 337	191 193	112 114
DC 2	860 875	920 930	304 314	842 824	301 300	161 154	943 944	331 337	190 193	112 114
DC 3			302 316	843 821		163 153		331 337	190 192	
DC 4			318 305	846 819					190 192	
DC 5			314 303							
DC 6			316 301							
DC 7										
DC 8										
DC AVG.	865									
AC 1	86.5	92.2	30.4	83.4	30.0	15.7	94.2	33.6	19.0	11.1
AC 2	86.5	92.2	30.4	83.4	30.0	15.6	94.2	33.6	19.0	11.1
AC AVG.										
S.P.	-3	-4		-4			-1			
AC NOISE	.03	.04		.03			.03			
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 303

LINE 4 HALF N55E SP. 1 DATE 10/3/68

PAGE

SEND	4 5	3 4	2 3	1 2	4 5	3 4	2 3	1 2		CAL
RECEIVE	10-12.5NE				12.5-15NE					3 4
RANGE	100	30	30	10	30	30	10	10		300
DC 1	369 373	205 202	131 130	860 874	183 183	114 113	822 813	539 582		106 106
DC 2	360 381	209 200	133 129	853 880	187 189	113 114	854 823	508 595		106 106
DC 3	370 362	211 197	134 128	842 889	183 183	112 116	815 849	507 601		
DC 4	379 357	206 201	136 126	861 872	178 188	109 117	818 840	540 560		
DC 5	384 352			859 875	175 190		797 821	539 580		
DC 6				851 880			827 840	518 589		
DC 7				842 890			791 815	544 543		
DC 8							829 855	579 504		
DC AVG.										
AC 1	36.9	20.5	13.0	8.53	18.2	11.4	8.20	5.43		107.0
AC 2	36.9	20.5	13.0	8.54	18.2	11.4	8.19	5.43		107.0
AC AVG.										
S.P.	-20				+4					
AC NOISE	.04				.04					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Continental

LINE 4 HALF NE SP. 1 DATE 10/4/68

PAGE

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE										
VOLTAGE	318	329	316	364	332	315	226	364	329	313
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Cal.
RECEIVE	→	→	→	→	→	→	→	→		3-4
RANGE										
VOLTAGE	~~[illegible]~~	364	329	313	226	363	328	311		366
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-S

OPERATOR B. Rasmussen

RECEIVER NO.

OPERATOR Don B.

COMMENTS:

Continental Expl 3.0 Hz

HEINRICHS GEOEX 8303-68 LINE 4 SPD I LOOKING N35W 10-4-68 A= 250 FEET

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	I	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
975	922	313	1125	349	175	910	341	151	880	DC	476	257	131	821	214	133	797	520	1075	LEFT
960	913	310	1120	346	178	918	347	156	887		477	257	131	821	210	133	813	520	1075	SIDE
					174			152	885			255		823	216	133	802	533		
					179			155	886			258		820	208	131	826	526		
					173			153	879			256		820	220	134	781	534		
					179			155	898			258		825	204	131	813	518		
					173			153	874			254		811	211	133	792	536		
					179			155	/			259		838	212	132	835	507		
									886					/	214	133	783	541		
									882					820	210	133	822	502		
									885					832			780	/		
														813			837	518		
														825			778	533		
																	824	520		
																	773	527		
																	846	529		
																		522		
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
96.75	91.75	31.15	112.2	34.75	17.61	91.40	34.40	15.39	8.849	DCA	47.65	25.66	13.10	8.217	21.19	13.26	8.054	5.254	107.5	
98.50	94.80	31.50	114.0	35.10	17.60	93.50	35.20	15.50	8.830	AC1	48.20	25.90	13.10	8.160	21.50	13.40	8.030	5.220	110.0	
98.50	94.80	31.50	114.0	35.10	17.60	93.50	35.20	15.50	8.830	AC2	48.20	25.90	13.10	8.160	21.50	13.40	8.030	5.210	110.0	
98.50	94.80	31.50	114.0	35.10	17.60	93.50	35.20	15.50	8.830	ACA	48.20	25.90	13.10	8.160	21.50	13.40	8.030	5.215	110.0	
67.50	64.01	86.93	78.31	96.98	122.9	63.77	96.00	107.3	123.5	RHO	133.0	179.0	182.8	200.6	147.8	185.0	196.7	205.3	.930	DC CAL
.5	-1.0	1.2	.8	1.3	2.4	.0	-.0	1.6	2.6	PFE	1.2	1.4	2.3	3.0	.8	1.2	2.6	3.1	1.023	AC CAL
8	-15	14	10	13	20	0	-0	15	21	MCF	9	8	13	15	6	7	13	15		

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	I	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
860	925	306	840	300	160	943	333	191	112	DC	369	205	131	860	183	114	822	539	106	RIGHT
875	925	312	826	301	155	944	337	193	114		373	202	130	874	183	113	813	582	106	SIDE
	920	304	842	301	161		331	190			360	209	133	853	177	113	854	508		
	930	314	824	300	154		337	193			381	200	129	880	189	114	/	595		
		302	843		163		331	190			/	211	134	842	/	112	823	507		
		316	821		153		337	192			370	197	128	889	183	116	815	601		
		/	846					190			362	/	136	/	183	109	849	/		
		310	819					192			379	206	126	861	178	117	/	540		
		305									357	201		872	188		818	560		
		314									384			859	175		840	539		
		303									352			875	190		797	580		
		316												851			/	518		
		301												880			821	589		
														842			827	/		
														890			/	544		
																	840	543		
																	791	579		
																	/	504		
																	815			
																	829			

1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
86.75	92.42	30.86	83.31	30.07	15.79	94.35	33.42	19.14	11.30	DCA	36.89	20.44	13.12	8.648	18.21	11.32	8.253	5.515	106.0	
86.50	92.20	30.40	83.40	30.00	15.70	94.20	33.60	19.00	11.10	AC1	36.90	20.50	13.00	8.530	18.20	11.40	8.200	5.430	107.0	
86.50	92.20	30.40	83.40	30.00	15.60	94.20	33.60	19.00	11.10	AC2	36.90	20.50	13.00	8.540	18.20	11.40	8.190	5.430	107.0	
86.50	92.20	30.40	83.40	30.00	15.65	94.20	33.60	19.00	11.10	ACA	36.90	20.50	13.00	8.535	18.20	11.40	8.195	5.430	107.0	
61.38	65.39	87.35	58.94	85.09	111.7	66.76	94.58	135.4	159.9	RHO	104.4	144.6	185.7	214.2	128.8	160.2	204.4	218.5	.943	DC CAL
1.2	1.2	2.5	.8	1.2	1.8	1.1	.4	1.7	2.8	PFE	.9	.7	1.9	2.3	1.0	.2	1.7	2.5	1.009	AC CAL
20	18	28	14	14	17	17	4	12	17	MCF	9	5	10	11	8	2	8	12		

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B1/283

JOB B 303-68 LINE 3 SPREAD 1

LOOKING N 35 W DATE Oct 3, 1968 A= 250

CENTER 0.0 LABEL SW/NE FREQ. 3.0

COUPLING NO

7 Oct 68
CS

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 3 HALF 555W SP. 1 DATE 10/2/68

PAGE

SEND	4 5	3 4	4 5	2 3	3 4	4 5	1 2	2 3	3 4	4 5
RECEIVE	0-2.5NE	2.5-5NE		5-7.5NE			7.5-10NE			
RANGE	300	300	100	300	100	30	300	100	30	10
DC 1	199 199	203 206	504 505	198 1975	446 446	151 148	141 139	801 802	201 199	937 942
DC 2	199 199	203 206	502 506	196 1975	446 446	151 148	141 139	800 803	198 202	942 928
DC 3			502 506					799 804	197 203	959 920
DC 4										934 944
DC 5										935 960
DC 6										924 931
DC 7										958 924
DC 8										
DC AVG.										
AC 1	202.	204.	50.4	198.	44.6	15.0	143.	80.6	19.9	9.42
AC 2	202.	204.	50.4	198.	44.6	15.0	143.	80.6	20.0	9.42
AC AVG.										
S.P.	+5	-2		-4			-2			
AC NOISE	.06	.05		.03			.03			
POT RES.										

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 3 HALF 555 W SP. 1 DATE 10/3/68

SEND	1 2	2 3	3 4	4 5	1 2	2 3	3 4	4 5		CAL
RECEIVE	10-12.5 SW				12.5-15 SW					2 3
RANGE	100	100	30	10	100	100	30	10		300
DC 1	550 549	466 464	129 129	679 692	327 324	310 311	950 990	570 581		108 108
DC 2	554 546	467 466	130 129	682 683	325 324	309 315	945 975	567 564		108 108
DC 3	555 546	465 467	129 129	678 681	326 324	306 315	945 990	580 569		
DC 4	555 548	466 467		682 676	324 324	306 315	940 985	580 552		
DC 5				694/682	324 324		930 990	587/563		
DC 6				675 686			950 990	595 563		
DC 7								561 573		
DC 8										
DC AVG.										
AC 1	56.3	47.1	12.9	6.82	33.5	31.4	9.60	5.74		110.5
AC 2	56.3	47.1	12.9	6.82	33.5	31.4	9.60	5.74		110.5
AC AVG.										
S.P.	+12				−1					
AC NOISE	.03				.06					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Continental

LINE 3 HALF SW SP. 1 DATE 10/3/68

PAGE

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE		*								
VOLTAGE	321	408	323	444	454	323	372	432	382	323
CURRENT	1.0	~~1.0~~ 0.9	1.0	1.0	1.0	1.0	1.0	1.0	0.9	1.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal.
RECEIVE	→	→	→	→	→	→	→	→		2-3
RANGE										
VOLTAGE	373	429	382	324	373	427	380	324		445
CURRENT	1.0	1.0	0.9	1.0	1.0	1.0	0.9	1.0		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-5

OPERATOR B. Rasmussen

RECEIVER NO.

OPERATOR Don. B.

COMMENTS:

* Pot set at 1 amp, meter ⇒ .9 amp

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 303

LINE 3 HALF N55E SP. 1 DATE 10/3/68

PAGE

SEND	1 2	2 3	1 2	3 4	2 3	1 2	4 5	3 4	2 3	1 2
RECEIVE	0-2.5NE	2.5-5NE		5-7.5NE			7.5-10NE			
RANGE	300	300	100	300	300	100	300	100	100	30
DC 1	229 229	202 200	484 495	150 150	990 980	300 298	107 109	508 501	456 445	160 156
DC 2	229 229	202 200	486 493	150 150	990 980	299 299	107 109	507 502	456 445	159 155
DC 3			488 491			298 300		507 502		160 155
DC 4										160 155
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	226.	201.	48.4	152.5	99.0	29.7	110.	51.6	45.5	15.7
AC 2	226.	201.	48.4	152.5	99.0	29.7	110.	51.6	45.5	15.7
AC AVG.										
S.P.	+9	-4		+8			0			
AC NOISE	.03	.05		.07			.03			
POT RES.										

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 303
LINE 3 HALF N55E SP. 1 DATE 10/3/68

SEND	4 5	3 4	2 3	1 2	4 5	3 4	2 3	1 2		C A L
RECEIVE	10-12.5NE				12.5-15NE					3 4
RANGE	100	100	100	30	30	30	30	10		300
DC 1	495 480	312 301	310 312	115 1175	257 252	185 185	203 201	790 810		107 107
DC 2	495 480	312 301	310 312	115 1175	256 253	184 186	204 200	789 799		107 107
DC 3				114 1185	255 253	183 187	205 200	780 797		
DC 4					254 254		205 199	785 801		
DC 5								795 809		
DC 6								794 790		
DC 7								772 799		
DC 8								788 795		
DC AVG.										
AC 1	49.6	31.5	31.5	11.6	25.9	19.0	20.5	7.94		109.
AC 2	49.6	31.5	31.5	11.6	25.9	19.0	20.5	7.95		109.
AC AVG.										
S.P.	+4				+2					
AC NOISE	.03				.03					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Continental

LINE 3 HALF NE SP. 1 DATE 10/3/68

PAGE

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	→	→	→	→	→	→	→	→	→	→
RANGE	~~391~~									
VOLTAGE	391	431	389	441	420	374	315	441	420	373
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Cal.
RECEIVE	→	→	→	→	→	→	→	→		3-4
RANGE										
VOLTAGE	315	444	422	375	314	441	423	372		458
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		1.0

FREQUENCIES .05 3.0

SENDER NO. 9662-5

OPERATOR B. Rasmussen

RECEIVER NO.

OPERATOR Don B.

COMMENTS:

HEINRICHS GEOEX B303-68 LINE 3 SPD 1 LOOKING N35W 10-3-68 A= 250 FEET

1.000	.900	1.000	1.000	1.000	1.000	1.000	1.000	.900	1.000	I	1.000	1.000	.900	1.000	1.000	1.000	.900	1.000	1.000		
199	203	504	1960	446	151	141	801	201	937	DC	550	466	129	679	327	310	950	570	108	LEFT	
199	206	505	1975	446	148	139	802	199	942		549	464	129	682	324	311	990	581	108	SIDE	
		502					800	198	942		554	467	130	682	325	309	945	567			
		506					803	202	928		546	466	129	683	324	315	975	564			
		502					799	197	959		555	465	129	678	326	306	945	580			
		506					804	203	920		546	467	129	681	324	315	990	569			
									/		555	466		682	324	306	946	580			
									934		546	467		676	324	315	985	552			
									944					694	324		930	587			
									935					/	324		990	/			
									960					682			950	563			
									924					675			990	595			
									/					686				563			
									931									561			
									958									573			
									924												

1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
199.0	204.5	50.40	196.7	44.60	14.95	140.0	80.13	19.96	9.412	DCA	55.04	46.59	12.92	6.809	32.45	31.06	9.651	5.715	108.0	
202.0	204.0	50.40	198.0	44.60	15.00	143.0	80.60	19.90	9.420	AC1	56.30	47.10	12.90	6.820	33.50	31.40	9.600	5.740	110.5	
202.0	204.0	50.40	198.0	44.60	15.00	143.0	80.60	20.00	9.420	AC2	56.30	47.10	12.90	6.820	33.50	31.40	9.600	5.740	110.5	
202.0	204.0	50.40	198.0	44.60	15.00	143.0	80.60	19.95	9.420	ACA	56.30	47.10	12.90	6.820	33.50	31.40	9.600	5.740	110.5	
138.2	157.8	140.0	136.6	123.9	103.8	97.22	222.6	154.0	130.7	RHO	152.9	323.6	199.4	165.5	225.3	431.4	260.6	222.3	.926	DC CAL
.8	2.6	2.3	1.7	2.3	2.0	.2	1.7	2.4	2.2	PFE	.0	1.2	2.5	2.2	-.9	1.2	2.9	1.9	1.023	AC CAL
6	16	17	12	19	19	2	8	15	17	MCF	0	4	12	13	-4	3	11	8		

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	I	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
229	202	484	15	99	300	107	508	456	160	DC	495	312	310	1150	257	185	203	790	107	RIGHT	
229	200	495	15	98	298	109	501	445	156		480	301	312	1175	252	185	201	810	107	SIDE	
		486			299		507		159					1150	256	184	204	789			
		493			299		502		155					1175	253	186	200	799			
		488			298		507		160					1140	255	183	205	780			
		491			300		502		155					1185	253	187	200	797			
									160						254		205	785			
									155						254		199	801			
																		795			
																		809			
																		794			
																		790			
																		772			
																		799			
																		788			
																		795			

1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6	
229.0	201.0	48.99	150.0	98.50	29.88	108.0	50.44	45.05	15.75	DCA	48.75	30.65	31.10	11.62	25.41	18.48	20.23	7.934	107.0

226.0	201.0	48.40	152.5	99.00	29.70	110.0	51.60	45.50	15.70	AC1	49.60	31.50	31.50	11.60	25.90	19.00	20.50	7.940	109.0	
226.0	201.0	48.40	152.5	99.00	29.70	110.0	51.60	45.50	15.70	AC2	49.60	31.50	31.50	11.60	25.90	19.00	20.50	7.950	109.0	
226.0	201.0	48.40	152.5	99.00	29.70	110.0	51.60	45.50	15.70	ACA	49.60	31.50	31.50	11.60	25.90	19.00	20.50	7.945	109.0	
160.5	140.9	137.4	105.1	276.2	209.4	75.70	141.4	315.8	220.8	RHO	136.7	214.8	436.0	284.9	178.1	259.1	496.3	311.4	.935	DC CAL
3.2	1.9	3.1	.2	1.4	2.5	.0	-.4	.9	2.2	PFE	.1	-.9	.6	2.0	-.1	-.9	.5	1.7	1.019	AC CAL
20	13	23	2	5	12	0	-3	3	10	MCF	1	-4	1	7	-0	-4	1	6		

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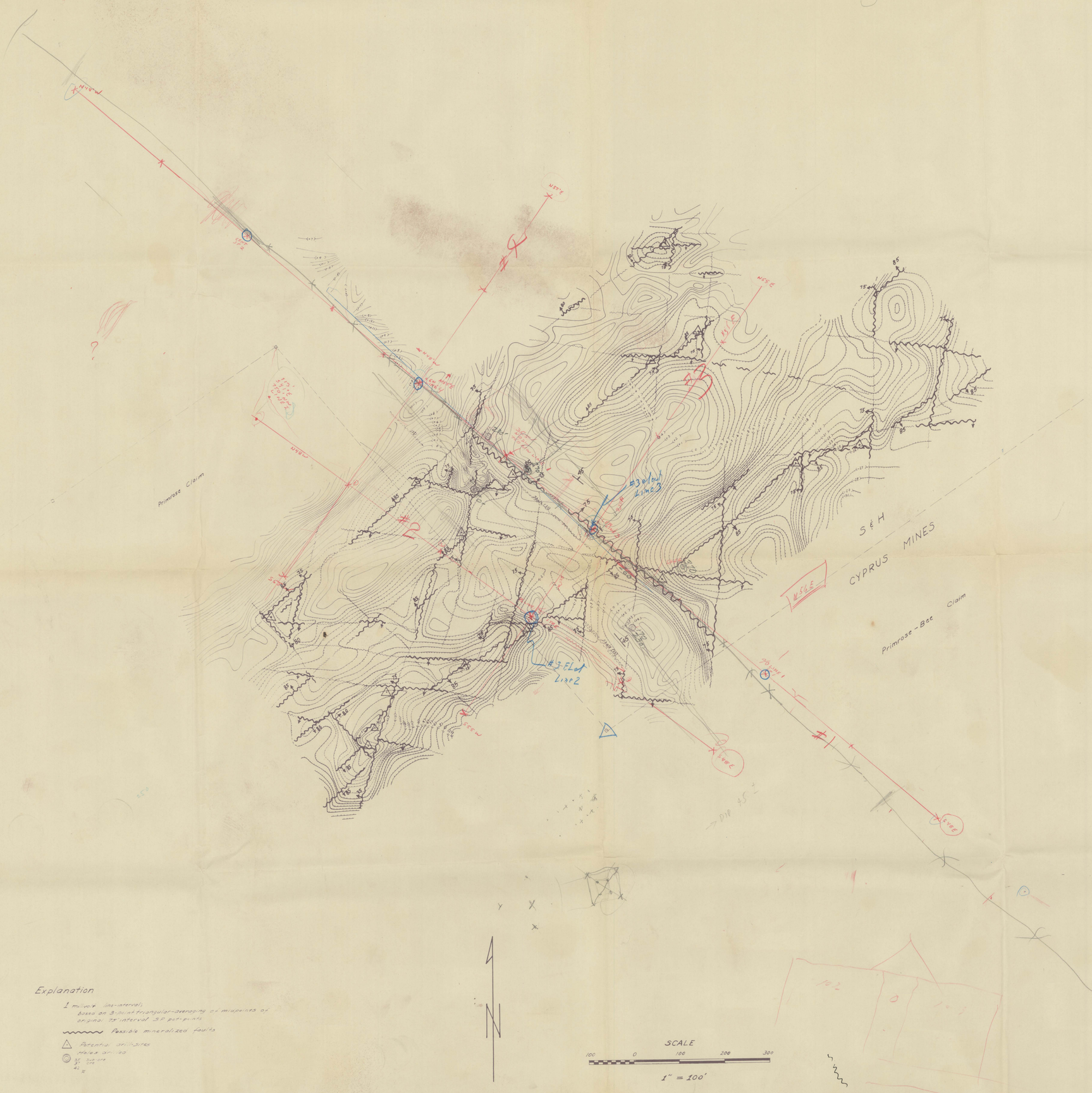
BT/279



Explanation

1 millivolt line-interval;
based on 3-point triangular-averaging of midpoints of original 75' interval S.P. pot-points

Possible mineralized faults

Potential drill-sites
Holes drilled

35 Sub-ore
3" cte
42 π

SELF - POTENTIAL MAP

For Continental Exploration, Inc.
By C. J. Orback, August, 1968

File Job 303-68
Continental Ex

HEINRICHS GEOEXPLORATION COMPANY

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

October 1, 1968

Continental Exploration Corp.
P. O. Box 11216
Tucson, Arizona

Attn: Mr. John Roscoe

Re: Induced Polarization work, Johnson Camp, Cochise County, Arizona

Gentlemen:

Confirming our conversation with Mr. Orback on October 1, 1968 at our Tucson office, we herewith propose for our mutual understanding and agreement as follows:

Beginning on or about October 2, 1968, GEOEX will commence work and ultimately finish an I. P. Survey using our standard power I. P. instruments to obtain data along lines as designated by Mr. Orback and flagged on the job site.

Charges will be at the rate of $250.00 per ten hour prorated day for a three man I. P. crew, based on a 50 hour work week, including travel time. Vehicle charges will be $12.00 per day plus $0.12 per mile per vehicle and one vehicle will be used. Directly related supplies, communications, living and other direct incidentals charged at our cost. Final Compilation, interpretation and report is $150.00 per Tucson staff day.

Mobilization and demobilization, travel, excessive weather delay and standby charges are one half the daily rate. Breakdown of our equipment in excess of one hour per day will be made up or not charged.

Field personnel are to be an experienced and qualified geophysical technician in charge, two technical assistants.

Others of our technical staff are involved as needed and/or are supplied as requested and mutually agreed upon.

All property permits, brushing and trespassing-liability and related costs incurred on behalf of client assumed by client. Charges for extra equipment and personnel employed if mutually desired, are extra.

GEOEX will save client harmless from all Workmen's Compensation, Public Liability and Property Damage Liability incurred by GEOEX employees.

We acknowledge receipt of a base print left by you for planning purposes. Plotting in plan can be done on this for our final report.

Preliminary reports or copies of rough field plotting sheets will be available as work progresses.

Payments due on presentation. Billings may be submitted periodically with final statement after completion of final report.

Indication of your understanding and approval of the above by executing as provided below on the attached copy of this letter and returning it to us, will be most appreciated.

Sincerely yours,
HEINRICHS GEOEXPLORATION CO.

Paul A. Head by C.S.L.

Paul A. Head
Geophysicist

PAH/rc

Initialed by: C.J. Orbeck for Continental Exploration, Inc.

Date: October 7, 1968

Accepted by: _____

Date: _____

Reference
458-69

August 25, 1969

Mr. John Roscoe
Continental Exploration Inc.
P. O. Box 11216, Emery Park Station
Tucson, Arizona 85706

Dear Mr. Roscoe:

We submit the following turnkey bid to do a "down hole" I. P. survey near Johnson Camp, Cochise County, Arizona as discussed in our office on August 15, 1969.

Total cost, including mobilization and report to survey drill holes 4, 7, 13, 20 and 34------$2,460.00. Additional holes surveyed at the same time using the existing infinite electrode at $340.00 per drill hole.

We will execute the survey in the following manner: One infinite current electrode will be placed approximately 5,000 ft. away from the area of interest (drill holes 4, 7, 13, 20 & 34). Other current electrodes will be placed in the bottom (or lowest depth possible) of drill holes 4, 7, 13, 20 and 34. A voltage measuring or receiving array will then be run out from each drill hole along the surface in four directions, at least six stations or until the noise ratio becomes too low to acquire useful data, based on our experience.

GEOEX standby time, waiting for the drill to open any holes will be charged at $150.00 per day.

All property permits, brushing and trespassing liability and related costs incurred on behalf of client, assumed by client. Charges for extra equipment and personnel employed, if mutually desired are extra.

GEOEX will save client harmless from all Workmen's Compensation, public liability and property damage liability incurred by GEOEX employees.

Preliminary reports or copies of rough plotting sheets will be available as work progresses.

Payments due on presentation. Billings may be submitted periodically with final statement after completion of final report.

Indication of your understanding and approval of the above by executing as provided below on the attached copy of this letter and returning it to us will be most appreciated.

Your prompt response will enable us to schedule this project to our mutual benefit.

Very truly yours,
HEINRICHS GEOEXPLORATION CO.

Paul A. Head, Geophysicist

PAH:jh
Enclosure: 1

J. P. Matthews, Jr., Geophysicist

Accepted:_____
Continental Exploration Inc.

Title:_____

Date:_____

August 30, 1966

Continental Exploration Inc.
P. O. Box 11216, Emery Park Station
Tucson, Arizona

Re: Proposed Induced Polarization Geophysics
in vicinity of Sections 23, 24, 25, 26,
T 17 S, R 12 E, Pima County, Arizona

Attn: Mr. John Roscoe

Gentlemen:

This will confirm Mr. Roscoe's visit to our office on August 17, 1966.

It is our understanding you are considering approximately 30,000 line feet of I. P. coverage on six lines about 5,000 ft. long; penetration of upwards of 1,000 ft. or deeper is desired. Based on known geology of the area, probably an east-west and a northeast, southwest line orientation would be preferred; however, alternative northwest, southeast orientation may also be worthwhile in some cases as the best compromise between geology and local artificial effects. Some of these were noted on the sketch map left by Mr. Roscoe.

Our bid price is $3,000.00, including interpretational report in three copies and all expenses. On a unit cost basis we quote $500.00 per line as specified above, or $300.00 per field working day plus $100.00 per Tucson staff working day in compilation, interpretation and reporting. Reproducible copies of base maps on which our results can be plotted should be furnished by you.

We carry the standard liability and public property damage insurance coverage required by all of the major companies for most contractors. In connection with insurance, it is assumed that you would protect us against any and all costs and liability regarding trespass done at your direction. Rarely is this a problem and usually our crews are able to handle it by proper discussion whenever it arises.

Our equipment is among the finest and most powerful available on contract. Incidently, the above quotations include resistivity and self potential data as well as information regarding polarization effects. We are equipt in most other phases of geology, geophysics and geochemistry as well and are used to working as closely or as independently as may be desired, with client personnel. Our availability rarely exceeds three weeks notice and often we can be on a job within a few days after notice to proceed.

If there are any questions whatsoever, please do not hesitate to let us know. Meanwhile, we will look forward to possibly serving you soon.

Faithfully,

HEINRICHS GEOEXPLORATION COMPANY

Walter E. Heinrichs, Jr.
President & General Manager

WEH:jh

cc: Extra Encl.