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HEINRICHS GEOEXPLORATION COMPANY

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

March 19, 1974

Mr. Larry Drake
CuOx Mining Company
Suite 112
2030 E. Broadway
Tucson, AZ 85716

Re: GEOEX Job #914
I.P. Survey
Ribbon Group
Maricopa County, AZ

Dear Mr. Drake:

The enclosed schematic plan map, three induced polarization sectional data sheets and this letter complete our formal report for the recent preliminary induced polarization survey at the Ribbon Claim Group near Aguila, Arizona. The field work was completed March 11, 1974, with one day of standby time caused by rain. This work was initiated at your request via Bill Lundby on March 6, 1974, and Bill acted as the CuOx representative in the field. Joe Martin was the GEOEX crew chief, aided by Bill Marlatt and Victor Sargeant.

Conventional collinear dipole-dipole electrode arrays with an "a" spacing of 250 feet were used on three separate lines indicated by Mr. Lundby in the field. GEOEX Mark 7 equipment was used obtaining data to an n=6 separation from standard 7 sending electrode set-ups and sending frequencies of 3.0 and 0.3 hz. The data are presented in detail on the induced polarization sectional data sheets with the resistivity, percent frequency effects (PFE), and metallic conduction factor (MCF) contoured in psuedosectional form and the self potential data in profile. The three lines are spaced about 500 feet apart and all are oriented N45°E. The plan map reflects only a relative schematic line layout and is not tied to any specific known location on the ground. A total of 12,000 lineal feet of surface traverse was obtained.

No self potential anomalism has been detected, indicating that there are no actively oxidizing sulfides near surface on the three lines completed to date. This tends to add support to the notion of very weakly sulfide mineralized rocks.

All three lines show very complex resistivity patterns which permit only approximate location of resistivity changes. Generally speaking rocks of about 150 to 200 ohm feet lie to the southwest of station 7.5SW; and rocks of 20 to 50 ohm feet lie to the northeast.

Although we are sure that the weak PFE values noted on the southwest ends of the lines indicate no economic sulfide mineralization, we recommend that at least Line 1 be repeated using an "a" spacing of 500 feet and seven sending electrodes centered at 10.0SW. The somewhat higher PFE values noted on the southwest ends of these lines very probably are due to the preferential shunting of current through minor amounts of conducting material in rather tight nonconducting rocks. Except for this, the background PFE values are quite low and do not indicate significant metallic lustered mineralization within 500 feet of the surface.

The above recommendation is made solely to determine whether or not the very weak PFE anomalism detected by this survey represents the fringe of stronger anomalism to the southwest. There is also a possibility, not supported by this survey, that a sulfide zone exists at depths greater than 500 feet under the central portion of the area covered. Should this be a technecial possibility based on your geologic data, we would also recommend one or more very deep probes using 1500 foot dipoles.

Please do not hesitate to call on GEOEX should you have any questions about this survey.

Sincerely yours,

Heinrichs GEOEXploration Co.

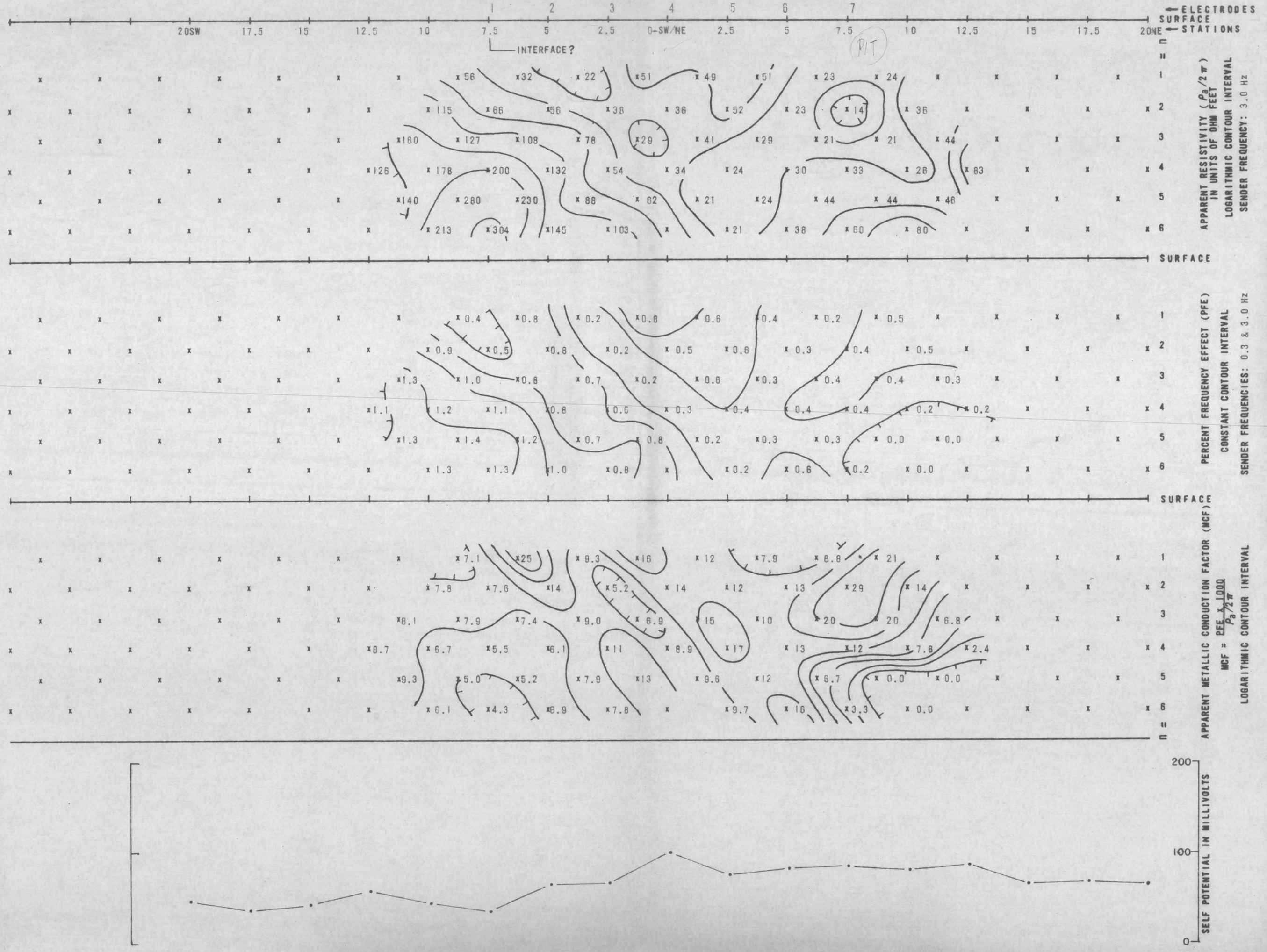
Paul A Head

Paul A. Head
Senior Geophysicist

PAH:mt

Approved by:

Walter E. Heinrichs, Jr.
President



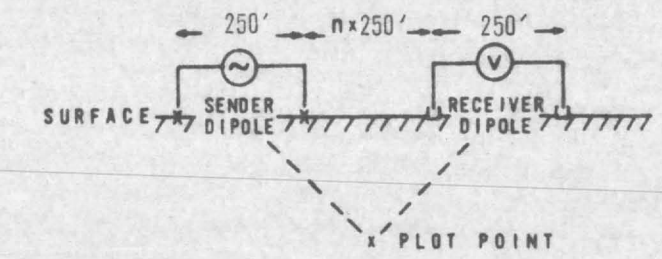
914-74

LINE NO. 1
SPREAD(S) 1
BEARING N 45° E

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET of RIBBON GROUP - MARICOPA COUNTY, ARIZONA for CUOX MINING, INC.

RELATIVE ANOMALY STRENGTH

DIPOLE-DIPOLE ELECTRODE ARRAY



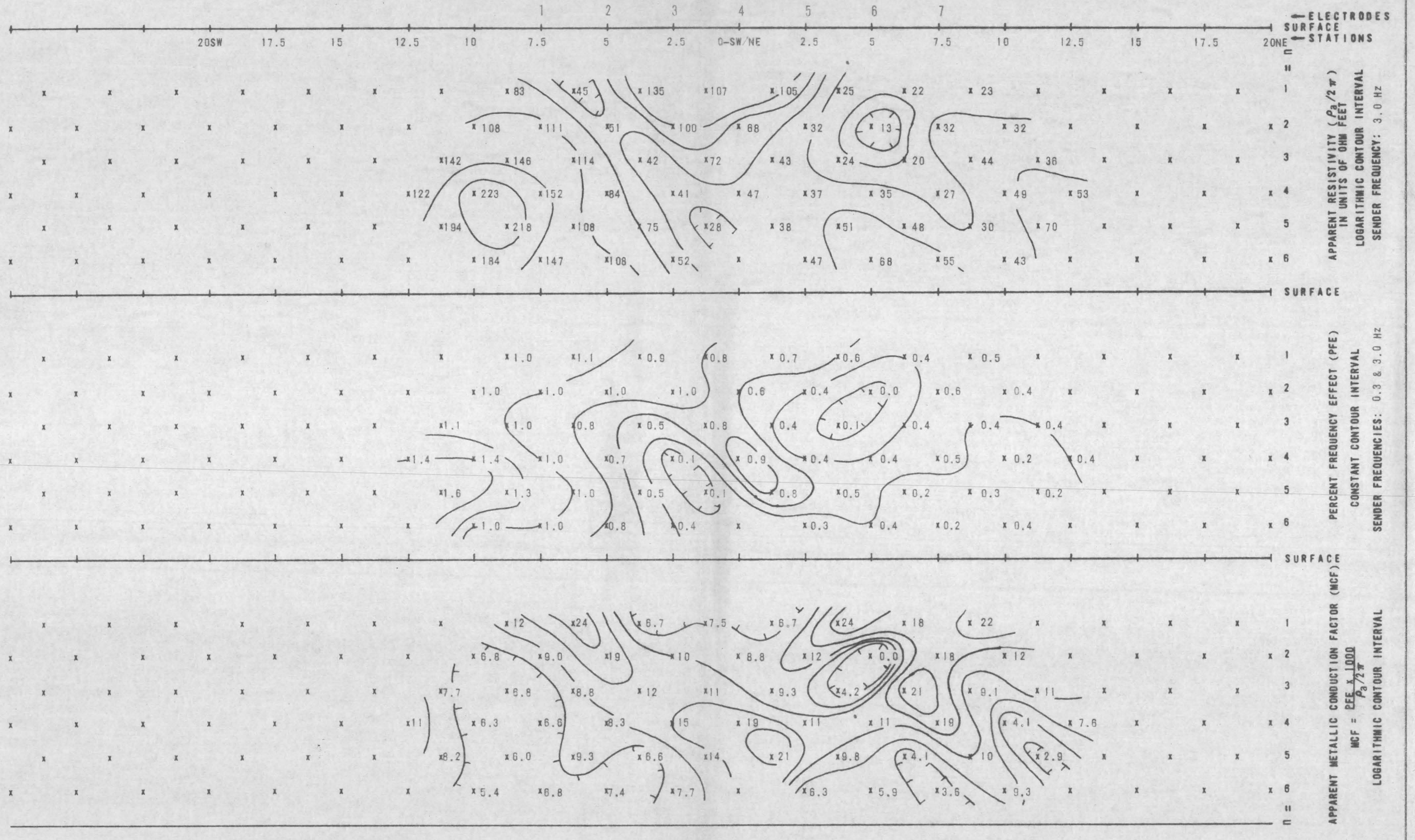
DATE
MARCH 1974

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5964, TUCSON, ARIZ., 85703, PHONE: (602)623-0578

914-74

LINE NO. 2
SPREAD(S) 1
BEARING N 45° E

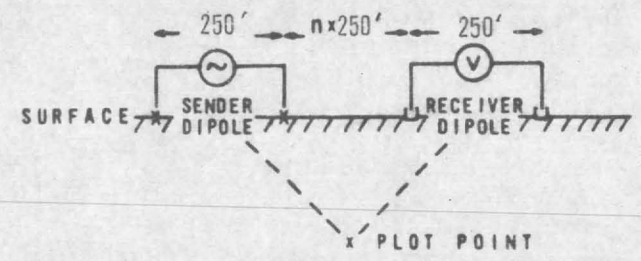
INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET
of
RIBBON GROUP – MARICOPA COUNTY, ARIZONA
for
CUOX MINING, INC.



RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE-DIPOLE ELECTRODE ARRAY



DATE
MARCH 1974

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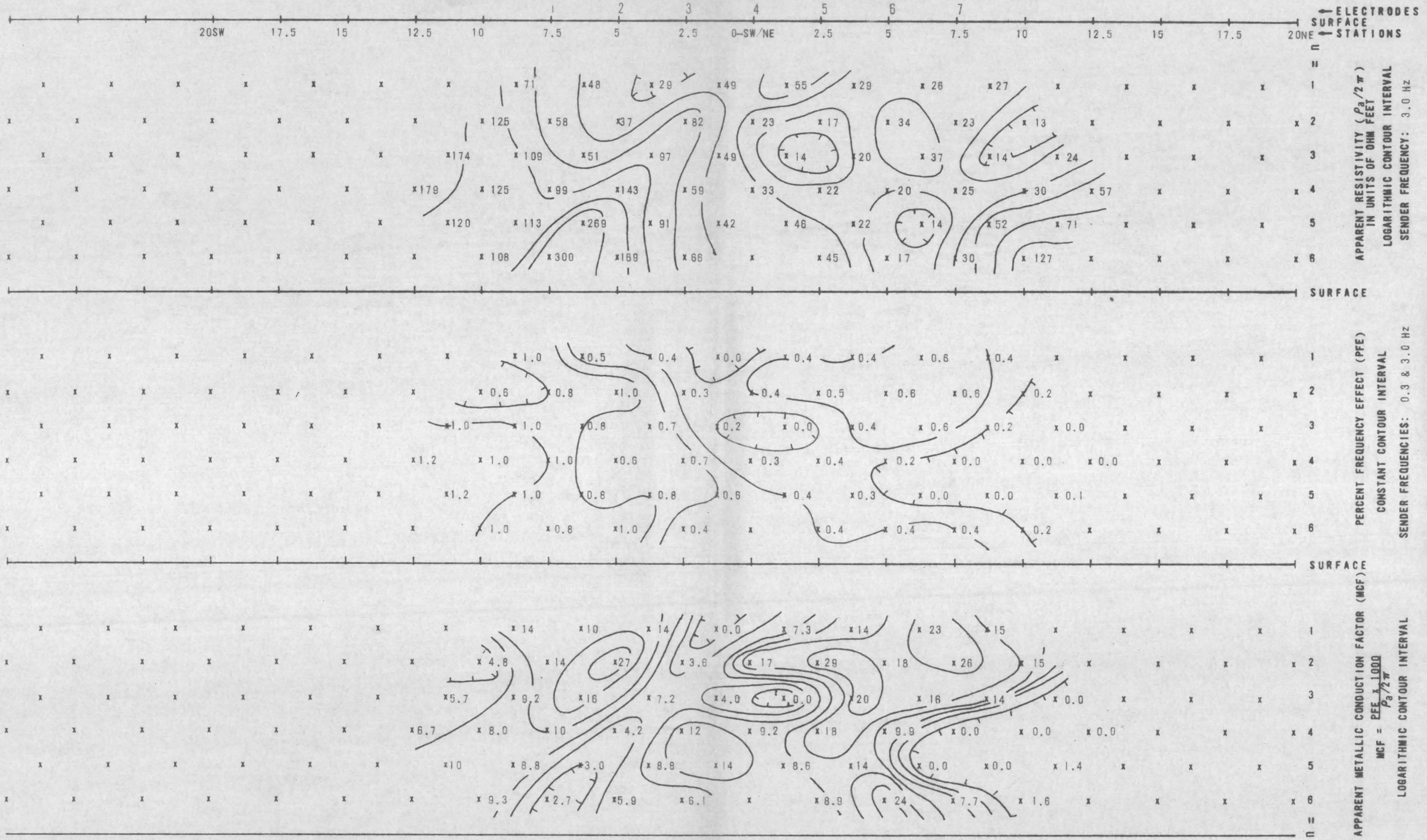


914-74

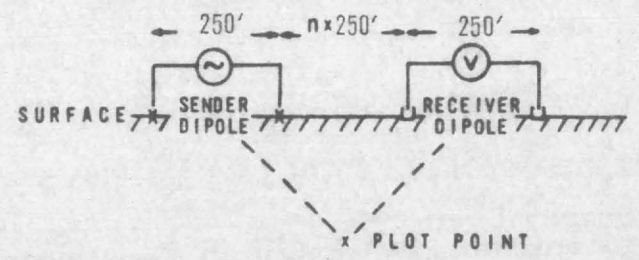
LINE NO. 3
SPREAD(S) 1
BEARING N 45° E

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET of RIBBON GROUP – MARICOPA COUNTY, ARIZONA for CUOX MINING, INC.

RELATIVE ANOMALY STRENGTH

VERY WEAK | WEAK | MODERATE | STRONG

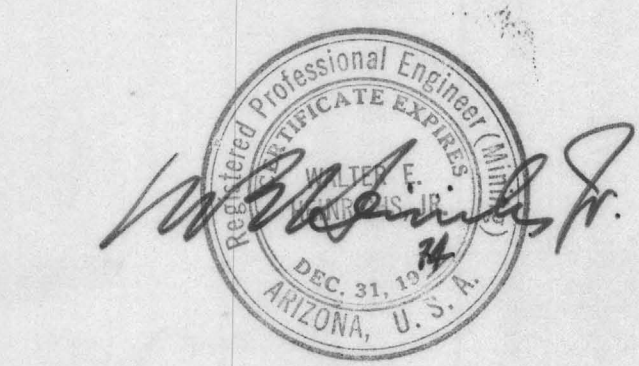
DIPOLE-DIPOLE ELECTRODE ARRAY

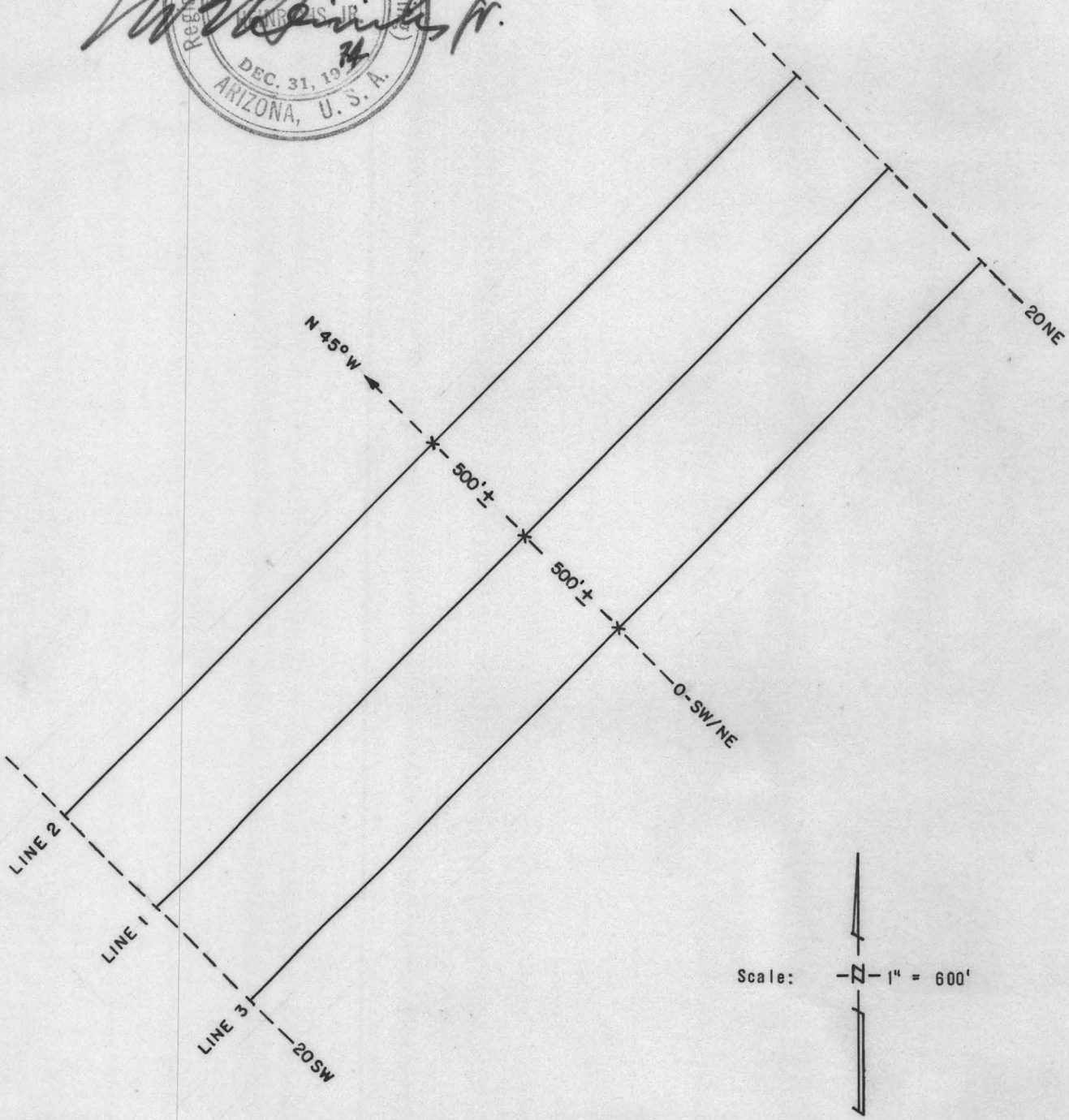


DATE
MARCH 1974

HEINRICHS GEOEXPLORATION COMPANY
806 W. GRANT ROAD, POST OFFICE BOX 5964, TUCSON, ARIZ., 85703, PHONE: (602)623-0578

SCHEMATIC LOCATION OF I.P. LINES 1, 2 & 3
of
RIBBON GROUP
T. 5 N., R. 8 W.
MARICOPA COUNTY, ARIZONA
for
CUOX MINING, INC.
by
HEINRICHS GEOEXPLORATION COMPANY
Job number 914-74 March 1974





HEINRICHS GEOEX

I.P. RECEIVER NOTES

SENDER STA. 0 = ELECTRODE # 4 AREA Big Id JOB # 914 PAGE 1

BEARING ENE a = 25 LINE S HALF NE SP. 1 DATE 3-11-74

SEND	1-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	C1
RECEIVE	0-25 →	→	25-50	→	→	50-75	→	→	→	
MULT.	10	10	10	1.0	1.0	10	1.0	0.1	0.1	1.0
PFE	0	0.2	0.4	0.4	0.2	0.4	0.5	0	0.3	0
CUR. (AMPS)	4 →	→	all	→	→	→	→	→	→	1
PT. #										
SEP. (n)	260.0									
H.F. MV	260.0	109.0	290.0	30.6	26.2	154.0	23.1	7.55	8.68	99.5
DRIFT	—	-.2	—	—	—	—	—	—	—	—
1.0 PFE K/1000	.75	3.0	.75	3.0	7.5	.75	3.0	7.5	15.0	
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C		0.3								
3.0 MV $\rho/2\pi$	49.0	82.2	54.6	23.1	49.4	29.0	17.4	14.2	32.7	
DRIFT MCF	0.0	3.6	7.3	17	4.0	14	29	0.0	9.2	
S.P.	-20.4		+6.9			-2.3				
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Bs:b JOB# 914 PAGE 2

SENDER STA. 0 = ELECTRODE # 4 BEARING TNE a= 250'

LINE 3 HALF NE SP. / DATE 3-11-74

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	75-100	→	→	→	→	100-125	→	→	→	→
MULT.	10	1.0	1.0	0.1	0.1	10	1.0	1.0	0.1	0.1
PFE	0.6	0.6	0.4	0.4	0.4	0.4	0.6	0.6	0.2	0.3
CUR. (AMPS)	4	→	→	→	→	→	→	→	→	→
PT. #										
SEP. (n)										
H.F. MV	136	44.4	10.7	5.94	7.03	142.0	30.6	19.8	5.35	3.30
DRIFT	—	—	—	—	—	—	—	—	—	—
1.0 PFE K/1000	.75	3.0	7.5	15.0	26.3	.75	3.0	7.5	15.0	26.3
0.3 PFE e_{CAL}										
0.1 PFE PFE_C										
3.0 MV $e/2\pi$	25.6	33.5	20.2	22.4	46.4	26.8	23.1	37.3	20.2	21.8
DRIFT MCF	23	18	20	18	8.6	15	26	16	9.9	14
S.P.	-4.3					+9.4				
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Ds. 1a JOB# 914 PAGE 3a

SENDER STA. 0 = ELECTRODE # 4 BEARING T NE a = 2.5'0

LINE 3 HALF NE SP. 1 DATE 3-11-74

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	100-125	125-150	→	→	→	→	150-175	→	→	→
MULT.	0.1	1.0	0.1	0.1	0.1	0.1	1.0	0.1	0.1	0.1
PFE	0.4	0.2	0.2	0	0	0.4	0	0	0	0.4
CUR. (AMPS)	4	→	→	→	→	→	→	→	→	→
PT. #										
SEP. (n)										
H.F. MV	4.30	17.7	7.84	6.51	2.07	1.57	12.8	8.02	7.91	2.80
DRIFT	—	—	—	—	—	—	—	—	—	—
1.0 PFE K/1000	42.0	3.0	7.5	15.0	26.25	42.0	7.5	15.0	26.25	42.0
0.3 PFE θ_{CAL}										
0.1 PFE PFE_C										
3.0 MV $\theta/2\pi$	15	13.3	13.8	24.5	13.7	17	24.1	30.2	52.2	30
DRIFT MCF	8.9	15	14	0.0	0.0	24	0.0	0.0	0.0	7.7
S.P.		-14.6					-11.9			
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Aq. 16 JOB# 914 PAGE 4

SENDER STA. 0 =ELECTRODE# 4 BEARING INR a= 250 NE

LINE 5 HALF SW SP. 1 DATE 3-11-79

SEND		6-7	5-6	4-5		3-4	2-3	3-9	4-5	5-6	6-7
RECEIVE		175-200	—	→		50-75	25-100	—	—	—	→
MULT.		1.0	1.0	1.0		10	10	1.0	1.0	1.0	0.1
PFE		0	0.1	0.2		0.4	0.5	1.0	0.7	0.7	0.6
CUR. (AMPS)		4	—	—	—	—	—	—	—	—	—
PT. #											
SEP. (n)											
H.F. MV		15.2	10.7	12.0		15 4.0	25 4.0	48.6	51.4	15.7	6.36
DRIFT		—	—	—		—	—	—	—	—	
1.0 PFE	K/1000	15.0	26.25	42.0		.75	.75	3.0	7.5	15.0	26.25
0.3 PFE	e_{CAL}										
0.1 PFE	PFE_C										
3.0 MV	$e/2\pi$	57.3	70.6	127		27.0	47.9	36.6	96.9	59.2	41.9
DRIFT	MCF	0.0	1.4	1.6		14	10	27	7.2	12	14
S.P.		~~-4.6~~				+33.0	-30.9				
NOISE		-4.8									
POT RES.											
CULT&CMTS			SP	0-25 SW -22.7		SP 25-50 SW -	10.1				

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Dsi/6 JOB# 714 PAGE 5

SENDER STA. 0 = ELECTRODE # 4 BEARING T SW a = 25°

LINE 3 HALF SW SP. 1 DATE 3-11-74

SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	100-125	→	→	→	→	→	125-150	→	→	→
MULT.	10	1.0	1.0	1.0	1.0	0.1	1.0	1.0	1.0	1.0
PFE	1.0	0.8	0.8	0.6	0.8	0.4	0.6	1.0	1.0	0.8
CUR. (AMPS)	4	→	→	→	→	→	→	→	→	→
PT. #										
SEP. (n)										
H.F. MV	3760	76.3	27.1	38.1	13.8	6.29	166	57.7	26.2	40.8
DRIFT	—	—	—	—	—	←	—	—	—	—
1.0 PFE K/1000	.75	3.0	7.5	15.0	26.5	42.0	3.0	7.5	15.0	26.5
0.3 PFE θ_{CAL}										
0.1 PFE PFE_C										
3.0 MV $\theta/2\pi$	70.9	57.5	51.1	14.3	9.10	6.6	12.5	10.9	9.87	2.69
DRIFT MCF	14	14	16	4.2	8.8	6.1	4.8	9.2	10	3.0
S.P.	+11.2						-7.5			
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Dsib JOB# 914 PAGE 6

SENDER STA. 0 =ELECTRODE# 4 BEARING SWT a= 250

LINE 3 HALF SW SP. 1 DATE 3-11-74

SEND		5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	
RECEIVE		125-150	150-175	→	→	→	175-200	→	→	
MULT.		1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	
PFE		1.0	1.0	1.0	1.0	0.8	1.2	1.2	1.0	
CUR. (AMPS)		4	→	→	→	→	→	→	→	
PT. #										
SEP. (n)										
H.F. MV		16.0	92.2	33.4	17.2	28.4	47.5	18.2	10.2	
DRIFT		—	—	—	—	—	—	—	—	
1.0 PFE	K/1000	42.0	7.5	15.0	26.25	42.0	15.0	26.25	42.0	
0.3 PFE	ρ_{CAL}									
0.1 PFE	PFE_ρ									
3.0 MV	$\rho/2\pi$	169	174	125	113	303	179	120	108	
DRIFT	MCF	5.9	5.7	8.0	8.8	2.7	6.7	10	9.3	
S.P.		~~-4.7~~	-4.7				+5.9			
NOISE										
POT. RES.										
CULT&CMTS										

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 3, HALF NE, SP. 1, DATE 3-11-74

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	
RECEIVE	0-2.5	→	2.5-5	———	→	5-7.5	———		→	
RANGE	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	
VOLTAGE	200	330	320	200	330	340	320	200	330	
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	7.5-10	———			→	10-12.5	———			→
RANGE	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10
VOLTAGE	180	335	320	200	330	220	180	335	320	200
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

FREQUENCIES	
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

COMMENTS:

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 3, HALF NE, SP. 1, DATE 3-11-74

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3				
RECEIVE	10-12.5	12.5-15	←	←	←	←				
RANGE	400x10	400x10	400x10	400x10	400x10	400x10				
VOLTAGE	330	220	180	330	320	200				
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0				
SEND	6-7	5-6	4-5	3-4	6-7	5-6	4-5			
RECEIVE	15-17.5	→	→	→	17.5-20	→	→			
RANGE	400x10	400x10	400x10	400x10	400x10	400x10	400x10			
VOLTAGE	220	180	330	320	220	180	330			
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0			

FREQUENCIES	COMMENTS:
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 3, HALF SW, SP. 1, DATE 3-11-74

HEINRICHS GEOEX

SEND	3-4	2-3	3-4	4-5	5-6	6-7				
RECEIVE	5-7.5	7.5-10	→	→	→	→				
RANGE	400x10	400x10	400x10	400x10	400x10	400x10				
VOLTAGE	330	200	330	340	180	230				
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0				
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	10-12.5	→	→	→	→	→	12.5-15	→	→	→
RANGE	400x10	400x10	400x10	400x10	400x10	400x10	400x10	400x10	400x10	400x10
VOLTAGE	330	200	330	340	180	230	330	200	330	340
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

FREQUENCIES	
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

COMMENTS:

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 3, HALF SW, SP. 1, DATE 3-11-74

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE	12.5-15	15-17.5	→	→	→	17.5-20	→	→		
RANGE	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10		
VOLTAGE	180	330	200	330	340	330	200	330		
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

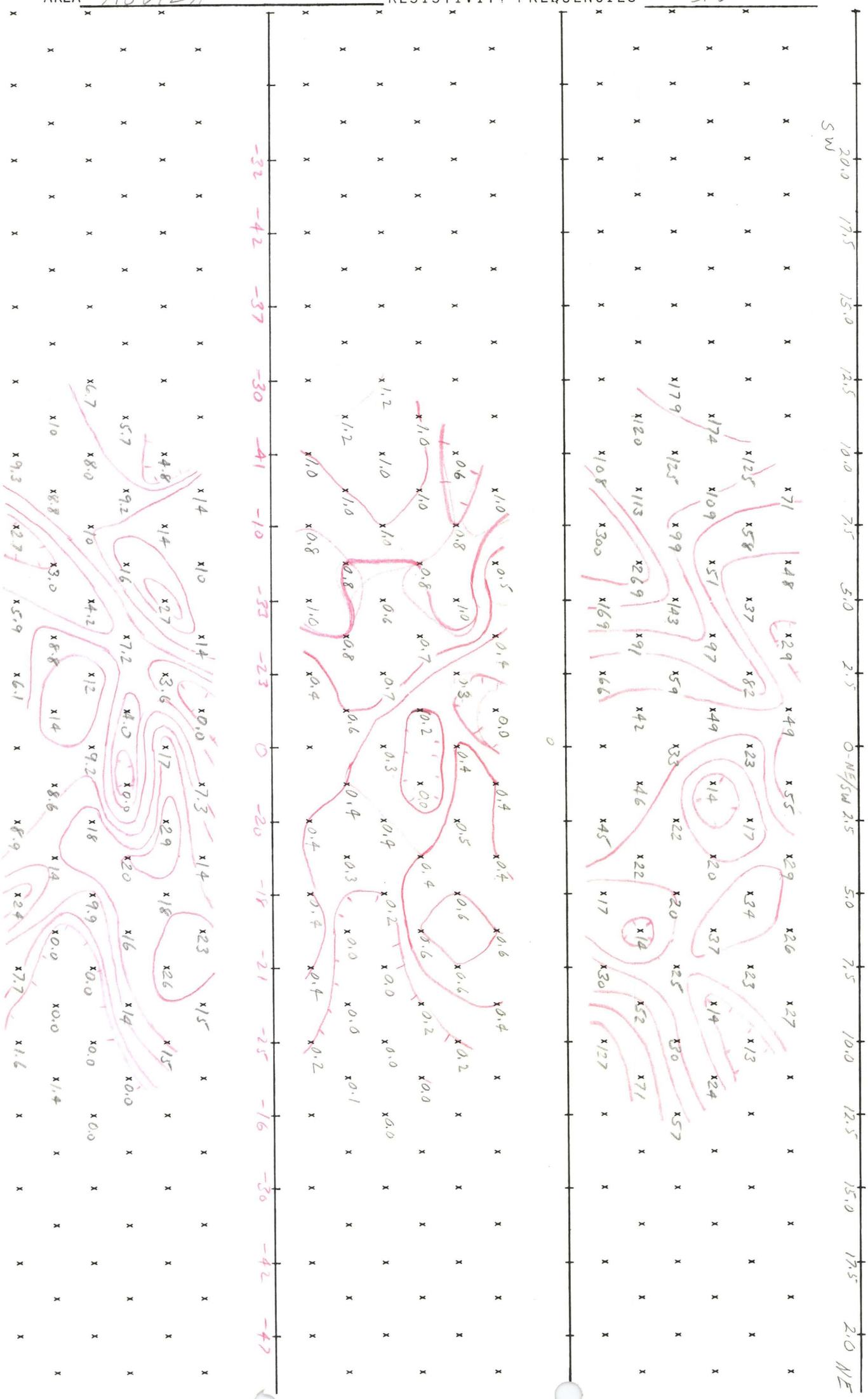
FREQUENCIES	
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

COMMENTS:

JOB# 918 LINE# 3 SP 1 a = 250 BEARING N45E

CLIENT CUOX MINING CO DATE March 11 FREQUENCIES 3 & 0.3 Hz

AREA AGUILA RIBBON GROUP RESISTIVITY FREQUENCIES 3.0



HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Dg, b JOB# 914 PAGE 1

SENDER STA. 0 = ELECTRODE # 4 BEARING _____ a = 250

LINE 2 HALF _____ SP. 1 DATE 3-10-79

SEND		2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	Cal
RECEIVE		0-25	→	25-50	→	→	50-75	—	—	→	
MULT.		10	1.0	10	1.0	1.0	1.0	1.0	1.0	0.1	1.0
PFE		0.8	1.0	0.7	0.6	0.8	0.6	0.4	0.4	0.5	0
CUR. (AMPS)		2.5	3.0	2.75	2.5	3.0	3.0	2.75	2.5	3.0	1
PT. #											
SEP. (n)		1									
H.F. MV		36-5.0	99.2	383.0	56.3	28.5	98.9	29.2	14.2	9.38	99.2
DRIFT		—	—	—	—	—	—	—	—	—	—
1.0 PFE	K/1000	.75	3	.75	3	7.5	.75	3	7.5	15	
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_C										
3.0 MV	$\rho/2\pi$	107	100	105	68.1	71.8	24.9	32.1	42.9	47.3	
DRIFT	MCF	7.5	10	6.7	8.8	11.1	24	12	9.3	19	
S.P.		-4.3		-14.7			-9.2				
NOISE											
POT RES.											
CULT&CMTS											

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Bg. 10 JOB# 914 PAGE 2

SENDER STA. 0 = ELECTRODE # 4 BEARING _____ a = 250

LINE 2 HALF NE SP. 1 DATE 3-10-74

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	75-100	→	→	→	→	100-125	→	→	→	→
MULT.	1.0	1.0	0.1	0.1	0.1	10	1.0	0.1	0.1	0.1
PFE	0.4	0	0.1	0.4	0.8	0.5	0.6	0.4	0.4	0.5
CUR. (AMPS)	3.5	3.0	2.75	2.5	3.0	4.0	3.5	3.0	2.75	2.5
PT. #										
SEP. (n)										
H.F. MV	101.9	13.2	8.67	6.08	4.34	122.0	37.6	7.72	6.42	4.81
DRIFT	—	—	—	—	→	—	—	—	—	—
1.0 PFE K/1000	.75	3.0	7.5	15.0	26.25	.75	2.0	7.5	15.0	26.25
0.3 PFE e_{CAL}										
0.1 PFE PFE_C										
3.0 MV $e/2\pi$	22.0	13.3	23.8	36.8	38.3	23.1	32.5	19.5	36.3	52.9
DRIFT MCF	18	0.0	4.2	11	21	22	18	21	11	9.8
S.P.	+14.1					0				
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Bg. 1b JOB# 914 PAGE 3

SENDER STA. 0 = ELECTRODE # 4 BEARING _____ a = 250

LINE 2 HALF NE SP. 1 DATE 3-10-74

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	100-125	125-150	→	→	→	→	150-175	→	→	→
MULT.	0.1	1.0	1.0	0.1	0.1	0.1	1.0	1.0	0.1	0.1
PFE	0.3	0.4	0.4	0.5	0.2	0.4	0.4	0.2	0.3	0.2
CUR. (AMPS)	3.0	4.0	3.5	3.0	2.75	2.5	4.0	3.5	3.0	2.75
PT. #										
SEP. (n)										
H.F. MV	3.33	42.5	20.3	5.29	5.03	4.01	18.9	11.3	3.415	3.60
DRIFT	—	—	—	—	—	—	—	—	—	—
1.0 PFE K/1000	42.0	3.0	7.5	15.0	26.25	42.0	7.5	15.6	26.25	42.0
0.3 PFE e_{CAL}										
0.1 PFE PFE_C										
3.0 MV $e/2\pi$	47.0	32.1	43.9	26.7	48.4	67.9	35.7	48.8	30.1	53.4
DRIFT MCF	6.3	12	9.1	19	4.1	5.9	11	4.1	10.0	3.6
S.P.	-46.7						-34.7			
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

SENDER STA. 0 = ELECTRODE # 4 AREA Ag. 10 JOB # 914 PAGE 4

BEARING S W a = 25'0

LINE 2 HALF SW SP. 1 DATE 3-10-74

SEND	6-7	5-6	4-5		3-4	2-3	3-4	4-5	5-6	6-7
RECEIVE	175-200	→	→		50-75	75-100	→	→	→	→
MULT.	1.0	0.1	0.1		1.0	1.0	1.0	1.0	0.1	0.1
PFE	0.4	0.2	0.4		0.9	1.1	1.0	0.5	0.6	0.4
CUR. (AMPS)	4.0	3.5	3.0		2.75	2.5	2.75	3.0	3.5	4.0
PT. #										
SEP. (n)										
H.F. MV	14.0	9.22	3.06		491.0	150.0	46.7	16.6	9.56	4.17
DRIFT	—	—	—		—	—	—	—	—	—
1.0 PFE K/1000	15.0	26.25	42.0		0.75	0.75	3.0	7.5	15.0	26.25
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_ρ										
3.0 MV $\rho/2\pi$	52.9	69.7	43.2		1.35	45.4	51.4	41.8	41.3	27.6
DRIFT MCF	7.6	2.9	9.3		6.7	24	19.	12	15	14
S.P.	-18.6				-14.3	-10.4				
NOISE										
POT RES.										
CULT&CMTS										

SP 0-25 SW → 4.1 SP 25-50 SW -2.6

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Ag. 16 JOB# 914 PAGE 5

SENDER STA. 0 = ELECTRODE # 4 BEARING _____ a = 25°0

LINE 2 HALF _____ SP. 1 DATE 3-10-78

SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	100-125	→					125-150	→		
MULT.	10	1.0	1.0	1.0	0.1	0.1	1.0	1.0	1.0	1.0
PFE	1.0	1.0	0.8	0.7	0.5	0.4	1.0	1.0	1.0	1.0
CUR. (AMPS)	3.0	2.5	2.75	3.0	3.0	4.0	3.0	2.5	2.75	3.0
PT. #										
SEP. (n)										
H.F. MV	328.0	91.4	41.5	16.7	8.52	4.88	107.4	49.35	27.6	12.2
DRIFT	—	—	—	—	—	—	—	—	—	—
1.0 PFE K/1000	.75	3.0	7.5	15.0	26.5	42.0	3.0	7.5	15.0	26.5
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C										
3.0 MV $\rho/2\pi$	82.7	111	114	84.2	75.2	51.7	108	146	152	109
DRIFT MCF	12	9.0	8.8	8.3	6.6	7.7	6.8	6.8	6.6	9.3
S.P.	-24.4						-11.9			
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Ds.10 JOB# _____ PAGE 6

SENDER STA. 0 = ELECTRODE # 4 BEARING SW a = 250

LINE 2 HALF SW SP. 1 DATE 3-10-74

SEND		5-6	1-2	2-3	3-4	4-5	1-1	2-3	3-4		
RECEIVE		125-150	150-175	→	→	→	175-200	→	→		
MULT.		0.1	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
PFE		0.8	1.1	1.4	1.3	1.0	1.4	1.6	1.0		
CUR. (AMPS)		3.5	3.0	2.5	2.75	3.0	3.0	2.5	2.75		
PT. #											
SEP. (n)											
H.F. MV		8.93	56.3	36.9	22.7	10.4	24.3	18.4	12.0		
DRIFT		—	—	—	—	—	—	—	—		
1.0PFE	K/1000	42.0	7.5	15	26.5	42.0	15	26.5	42.0		
0.3PFE	ρ_{CAL}										
0.1PFE	PFE_C										
3.0MV	$\rho/2\pi$	108	142	223	218	147	124	194	184		
DRIFT	MCF	7.4	7.7	6.3	6.0	6.8	11	8.2	5.4		
S.P.			+8.4				+10.5				
NOISE											
POT RES.			9 K								
CULT&CMTS											

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 2, HALF NE, SP. 1, DATE 3-10-74

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	
RECEIVE	0-2.5	→	2.5-5	→	→	5-7.5	→	→	→	
RANGE	250 x 10	300 x 10	275 x 10	250 x 10	300 x 10	300 x 10	275 x 10	250 x 10	300 x 10	
VOLTAGE	420	390	390	420	390	370	380	420	380	
CURRENT	2.5	3.0	2.75	2.5	3.0	3.0	2.75	2.5	3.0	
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	7.5-10	→	→	→	→	10-12.5	→	→	→	→
RANGE	350 x 10	300 x 10	275 x 10	250 x 10	300 x 10	400 x 10	350 x 10	300 x 10	275 x 10	250 x 10
VOLTAGE	370	370	380	420	390	230	370	370	380	420
CURRENT	3.5	3.0	2.75	2.5	3.0	4.0	3.5	3.0	2.75	2.5

FREQUENCIES

SENDER No.

OPERATOR

RECEIVER No.

OPERATOR

COMMENTS:

1-2	3A	4-5	3A
2-3	2.5A	5-6	3.5A
3-4	2.75A	6-7	4A

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 2, HALF NE, SP. 1, DATE 3-10-74

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	10-12.5	12.5-15	→	→	→	→	15-17.5	→	→	→
RANGE	300 x 10	400 x 10	350 x 10	300 x 10	275 x 10	250 x 10	400 x 10	350 x 10	300 x 10	275 x 10
VOLTAGE	380	230	370	370	380	420	230	370	370	380
CURRENT	3.0	4.0	3.5	3.0	2.75	2.5	4.0	3.5	3.0	2.75
SEND	6-7	5-6	4-5							
RECEIVE	17.5-20	→	→							
RANGE	400 x 10	350 x 10	300 x 10							
VOLTAGE	230	370	370							
CURRENT	4.0	3.5	3.0							

FREQUENCIES	
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

COMMENTS:

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 2, HALF SW, SP. 1, DATE 3-10-74

HEINRICHS GEOEX

SEND	3-4	2-3	3-4	4-5	5-6	6-7				
RECEIVE	5-7.5	7.5-10	←			→				
RANGE	275 x10	250 x10	275 x10	300 x10	350 x10	400 x10				
VOLTAGE	400	420	400	390	380	240				
CURRENT	2.75	2.50	2.75	3.0	3.5	4.0				
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	10-12.5	←				→	12.5-15	←		→
RANGE	300 x10	250 x10	275 x10	300 x10	300 x10	400 x10	300 x10	250 x10	275 x10	300 x10
VOLTAGE	400	420	390	380	320	240	390	420	390	380
CURRENT	3.0	2.5	2.75	3.0	3.0	4.0	3.0	2.5	2.75	3.0

FREQUENCIES

SENDER No.

OPERATOR

RECEIVER No.

OPERATOR

COMMENTS:

1-2 3A

2-3 2.5A

3-4 2.75A

4-5 3A

5-6 3.5A

6-7 4 A

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 2, HALF SW, SP. 1, DATE 3-10-74

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE	12.5-15	15-17.5	→	→	→	17.5-20	→	→		
RANGE	250 X10	300 X10	250 X10	275 X10	300 X10	300 X10	250 X10	275 X10		
VOLTAGE	380	390	430	390	380	390	420	390		
CURRENT	3.5	3.0	2.5	2.75	3.0	3.0	2.5	2.75		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

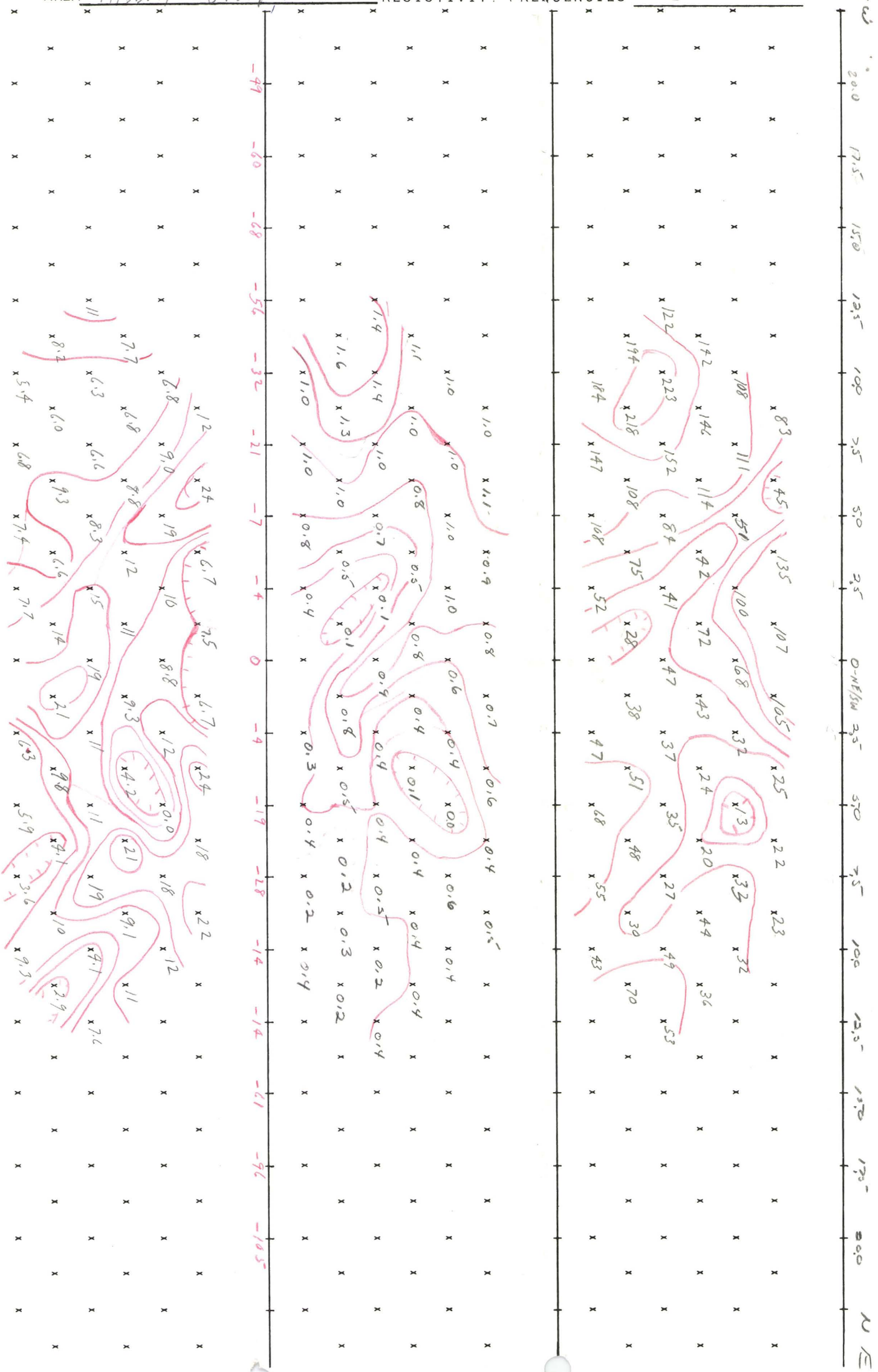
FREQUENCIES	
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

COMMENTS:

JOB# 914 LINE# 2 SP 1 a = 250' BEARING N45°E

CLIENT CMOX Mining, Inc. DATE March 1974 FREQUENCIES 2 & 3 Hz

AREA Ribbon Group Nevada RESISTIVITY FREQUENCIES 3



HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Ag, I.D. JOB# _____ PAGE 1

SENDER STA. 0 = ELECTRODE # 4 BEARING NE a = 250'

LINE 4 / HALF NE SP. 1 DATE 3-8-74

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	Col.
RECEIVE	0-25	→	25-50	→	→	50-75	→	→	→	
MULT.	10	1.0	10	1.0	1.0	10	1.0	1.0	0.1	1.0
PFE	0.8	0.2	0.6	0.5	0.2	0.4	0.6	0.6	0.3	0
CUR. (AMPS)	4 →									
PT. #	1	2	3	4	5	6	7	8	9	10
SEP. (n)	.75	3	.75	3	7.5	.75	3	7.5	15	
H.F. MV	273	50.7	258.0	47.3	15.3	269	68.8	21.8	8.94	
DRIFT	—	—	—	—	—	—	—	—	—	
1.0 PFE K/1000										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_c										
3.0 MV $\rho/2\pi$	51.4	38.2	48.6	35.7	28.8	50.7	51.9	41	33.7	49.5 ~~49.5~~
DRIFT MCF	16	5.2	12	14	6.9	7.9	12	15	8.9	
S.P.	-24.3		+5.6			+4.0				
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Agila JOB# _____ PAGE 2

SENDER STA. 0 = ELECTRODE # 4 BEARING NE a = 25'0

LINE 1 HALF NR SP. 1 DATE 3-8-74

SEND		5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE		75-100	→	→	→	→	100-125	→	→	→	→
MULT.		10	1.0	1.0	0.1	0.1	10	1.0	1.0	0.1	0.1
PFE		0.2	0.3	0.3	0.4	0.2	0.5	0.4	0.4	0.4	0.3
CUR. (AMPS)		4	→								
PT. #		11	12	13	14	15	16	17	18	19	20
SEP. (n)		1.75	3	7.5	15	26.25	1.75	3	7.5	15	26.25
H.F. MV		121	29.9	15.4	6.39	3.16	125.0	18.1	10.9	8.04	3.65
DRIFT		—	—	—	—	—	—	—	—	—	—
1.0 PFE	K/1000										
0.3 PFE	ρ_{CAL}										
0.1 PFE	PFE_C										
3.0 MV	$\rho/2\pi$	22.8	22.5	29.0	24.1	20.8	23.6	13.6	20.5	30.3	24.1
DRIFT	MCF	8.8	13	10	17	9.6	-21	29	20	13.2	12
S.P.		-4.5					-5.6				
NOISE											
POT. RES.											
CULT&CMTS											

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Ag. 1/2 JOB# _____ PAGE 3

SENDER STA. 0 =ELECTRODE# 4 BEARING N E a= 250'

LINE 1 HALF N E SP. 1 DATE 3-8-74

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	100-125	125-150	→	→	→	→	150-175	→	→	→
MULT.	0.1	1.0	1.0	0.1	0.1	0.1	1.0	0.1	0.1	0.1
PFE	0.2	0.5	0.4	0.4	0.3	0.6	0.3	0.2	0	0.2
CUR. (AMPS)	4	→								
PT. #	21	22	23	24	25	26	27	28	29	30
SEP. (n)	42.0	3	7.5	15	26.25	42.0	7.5	15	26.25	42.0
H.F. MV	1.95	47.9	10.9	8.62	6.74	3.61	33.4	6.79	6.73	5.71
DRIFT	—	—	—	—	—	—	—	—	—	—
1.0 PFE K/1000										
0.3 PFE e_{CAL}										
0.1 PFE PFE_c										
3.0 MV $e/2\pi$	20.6	36.1	20.5	32.5	44.4	38.1	44.1	25.6	44.4	60.3
DRIFT MCF	9.7	14	20	12	6.7	15.7	6.8	7.8	0	3.3
S.P.	-23.4						+4.7			
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P. RECEIVER NOTES

AREA Ag. / B JOB# _____ PAGE 4

SENDER STA. 0 = ELECTRODE # 4 BEARING SW a = 250

N-E LINE 1 HALF SW SP. 1 DATE 3-8-74

SEND	6-7	5-6	4-5		3-4	2-3	3-4	4-5	5-6	6-7
RECEIVE	175-200	→	→		50-75	75-100	→	→	→	→
MULT.	1.0	0.1	0.1		10	10	1.0	1.0	1.0	0.1
PFE	0.2	0	0		0.2	0.8	0.8	0.7	0.6	0.8
CUR. (AMPS)	4 →	→								
PT. #	21									
SEP. (n)	15	26.25	42		.75	.75	3	7.5	15	26.25
H.F. MV	22.0	6.92	7.60		114.0	171.0	74.9	41.2	14.4	9.34
DRIFT	—	—	—		—	—	—	—	—	
1.0 PFE K/1000										
0.3 PFE ρ_{CAL}										
0.1 PFE PFE_C										
3.0 MV $\rho/2\pi$	82.9	45.6	80.2		121.5	32.2	56.4	77.6	54.3	61.6
DRIFT MCF	214	0	0		9.3	25	14	9.0	11	13
S.P.	-4.6				-30.1	+9.4				
NOISE										
POT RES.										
CULT&CMTS			0-25 SW SP -32.4			25-50 SW SP -8.4				

HEINRICHS GEOEX

I.P: RECEIVER NOTES

AREA Dg. 10 JOB# _____ PAGE 5

SENDER STA. 0 =ELECTRODE# 4 BEARING 5W a= 250

LINE 1 HALF _____ SP. 1 DATE 29-24

SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	100 – 105	→	→	→	→	→	135 –	150	→	→
MULT.	1.0	1.0	1.0	1.0	1.0	0.1	1.0	1.0	1.0	1.0
PFE	0.4	0.5	0.8	0.8	0.7	0.7	0.9	1.0	1.1	1.2
CUR. (AMPS)										
PT. #										
SEP. (n)	.75	3	7.5	15	26.25	42	3	7.5	15	26.25
H.F. MV	297.0	86.9	52.4	35.1	13.4	9.79	153.0	67.5	53.1	34.8
DRIFT	—	—	—	—	—	—	—	—	—	—
1.0 PFE K/1000										
0.3 PFE e_{CAL}										
0.1 PFE PFE_c										
3.0 MV $e/2\pi$	56.0	65.5	108	132	88.4	103	115	127	200	230
DRIFT MCF	7.1	7.6	7.4	6.1	7.9	7.8	7.8	7.9	5.5	5.2
S.P.	+15.7						-17.8			
NOISE										
POT RES.										
CULT&CMTS										

HEINRICHS GEOEX

I.P: RECEIVER NOTES

AREA Dg. 'B JOB# _____ PAGE 6

SENDER STA. 0 = ELECTRODE # 4 BEARING _____ a = 250

LINE 1 HALF _____ SP. 1 DATE 3-8-74

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE	125-150	150-175	→	→	→	175-	200	→		
MULT.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0		
PFE	1.0	1.3	1.2	1.4	1.3	1.1	1.3	1.3		
CUR. (AMPS)										
PT. #										
SEP. (n)	42.0	7.5	15	26.25	42	15	26.25	42		
H.F. MV	13.7	85.4	47.4	42.5	28.8	33.4	21.2	20.2		
DRIFT	—	—	—	—	—	—	—	—		
1.0 PFE K/1000								—		
0.3 PFE e_{CAL}										
0.1 PFE PFE_c										
3.0 MV $e/2\pi$	145	160	178	280	304	126	140	215		
DRIFT MCF	6.9	8.1	6.7	5.0	4.3	8.7	9.3	6.1		
S.P.	~~→~~	→ 3.5				+10.4				
NOISE										
POT RES.										
CULT&CMTS										

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA, ARIZ.

LINE 1, HALF NE, SP. 1, DATE 3-8-74

PAGE 1

HEINRICHS GEOEX

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	
RECEIVE	0-2.5	→	2.5-5.0	→	→	5.0-7.5	→	→	→	
RANGE	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	
VOLTAGE	240	270	300	240	270	220	300	240	270	
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	7.5-10.	→	→	→	→	10.-12.5	→	→	→	~
RANGE	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10	400 x10
VOLTAGE	220	220	300	240	270	300	220	220	300	240
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

FREQUENCIES	
SENDER No.	
OPERATOR	
RECEIVER No.	
OPERATOR	

COMMENTS:

N 45° E

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 1, HALF NE, SP. 1, DATE 3-8-74

HEINRICHS GEOEX

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	10-12.5	12.5-15	→	→	→	→	15-17.5	→	→	→
RANGE	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10
VOLTAGE	270	300	220	220	300	240	300	220	220	300
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
SEND	6-7	5-6	4-5							
RECEIVE	17.5-20	→	→							
RANGE	400 x 10	400 x 10	400 x 10							
VOLTAGE	300	220	220							
CURRENT	4.0	4.0	4.0							

FREQUENCIES
SENDER No.
OPERATOR
RECEIVER No.
OPERATOR

COMMENTS:

S45° W

I.P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 1, HALF SW, SP. 1, DATE 3-8-74

PAGE 3

HEINRICHS GEOEX

SEND	3-4	2-3	3-4	4-5	5-6	6-7				
RECEIVE	5.-7.5	7.5-10	———	———	———	——→				
RANGE	400x10	400x10	400x10	400x10	400x10	400x10				
VOLTAGE	310	240	310	220	230	300				
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0				
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	10-12.5	———	———	———	———	——→	12.5-15	———	———	——→
RANGE	400x10	400x10	400x10	400x10	400x10	400x10	400x10	400x10	400x10	400x10
VOLTAGE	280	240	305	220	230	300	270	240	300	220
CURRENT	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

FREQUENCIES 3.0 - 0.3

SENDER No. 14672-1

OPERATOR MARLATT

RECEIVER No.

OPERATOR

COMMENTS:

S 45° W

I. P. SENDER NOTES

JOB No. 914 AREA AGUILA

LINE 1, HALF SW, SP. 1, DATE 3-8-74

HEINRICHS GEOEX

SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE	12.5-15	15-17.5	→	→	→	17.5-20	→	→		
RANGE	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10	400 x 10		
VOLTAGE	230	270	240	300	220	270	240	300		
CURRENT	4.2	4.0	4.0	4.0	4.2	4.0	4.0	4.0		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3.0 — 0.3

SENDER No. 14672-8

OPERATOR MARLATT

RECEIVER No.

OPERATOR

COMMENTS:

JOB# 914 LINE# 1 SP 1 a = 250 BEARING N45°E

CLIENT COOK MINING Co DATE March 8 FREQUENCIES 3 & 0.3 Hz

AREA Aguila RIBBON GROUP RESISTIVITY FREQUENCIES 3.0