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PROPERTY OF

HEINRICHS GEOEX

808 W. GRANT RD.

TUCSON, ARIZONA. 85705

LEFAX

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X-1751

G. HIX
F. SEWARD
27 July 71
Chain Notes

TR. MK. REG. U.S. PAT. OFF.

Begining at point on Section Line
1490' South of Sec Cor
35 | 36 HEADING
2 | 1 S W

INSTRUMENT MAN: William J. Freeman

STA	Claim #	Chain	Dist.
SCE	RBJ #1	295	295
SWC	1	—	
SEC	3	295	590
SCE	3	295	885
SWC	3	—	
SEC	5	295	1180
SCE	5	295	1475
SWC	5	—	
SEC	7	295	1770
SCE	7	295	2065
SWC	7	—	—
SEC	9	295	2360
SCE	9	295	2655
SWC	9	—	
SEC	11	295	2950
SCE	11	295	3245
SWC	11	—	—
SEC	13	295	3540
SCE	13	295	3835
SWC	13	—	
SEC	15	295	4130

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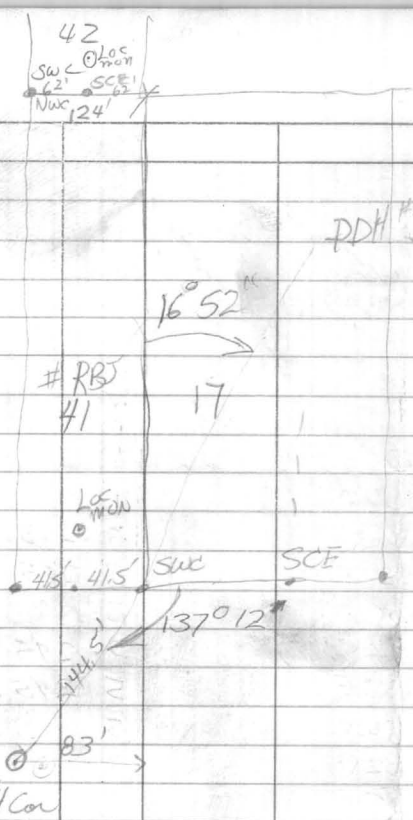
42
Loc mon
SWC
62'
SCE
62'
NWC
124'
PDH #3
16° 52"
RBJ
41
17
Loc mon
41.5'
41.5'
SWC
SCE
137° 12"
144.5'
83'
1/4 Cor

204

ORIGINAL COPR. 1970 BY J. O. PARKER
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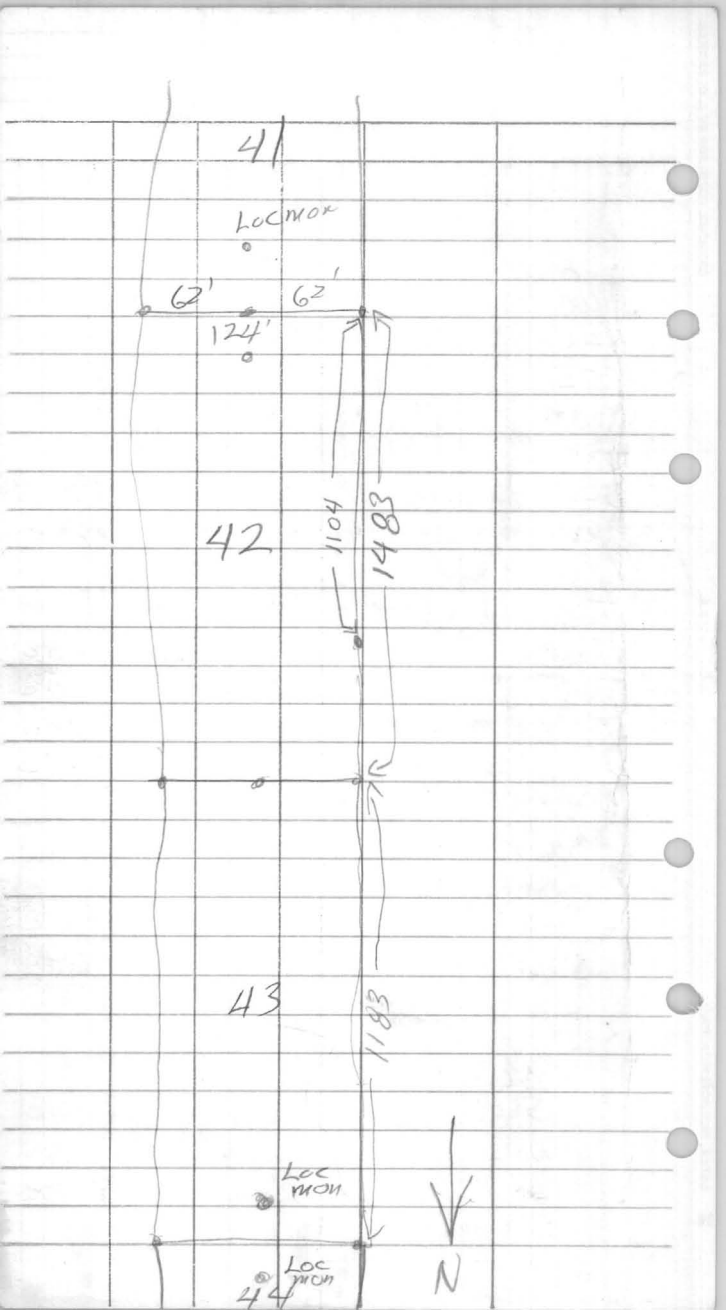
				4130
SCE	15	295		4425
SWC	15	—		
SEC	17	295		4720
SCE	17	295		5115
SWC	17	295		5310
SEC	41	—		
SCE ~~LOCMON~~	41	41.5		5351.5
SWC	41	41.5		5393.0
TAPE North along		300		
Section Line		300		600
		300		900
TO NWC RBS"	41	300		1200
SWC "	42	230		1430
NCE & SCE Locmon				
TO NWC	42	300		
SWC	43	300		600
		300		900
Sec Cor →		(204)		(1104)
		300		1200
		283		1483
TO NWC	43	300		
SWC	~~44~~	300		600
NCE	43	300		900
SCE	44	283		1183
LOC MON				


41
Loc mon
62'
62'
124'
42
1104
1483
43
1183
Loc mon
Loc mon
44
N

ORIGINAL COPR. 1910 BY J. O. PARKER
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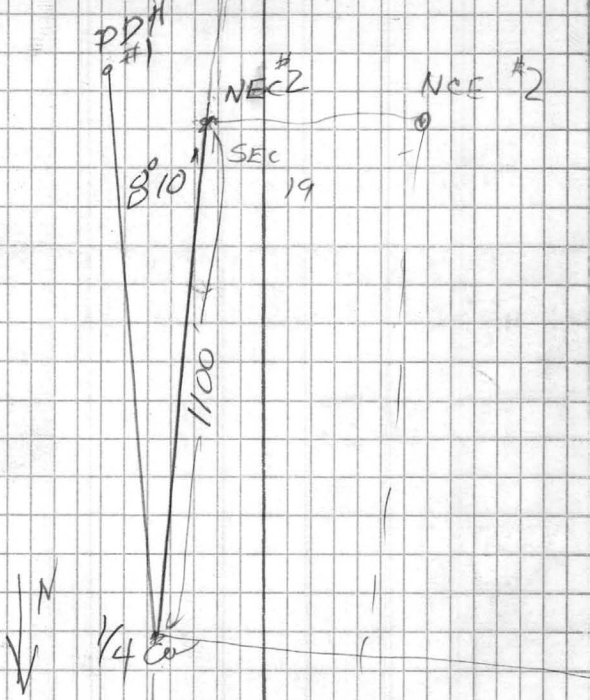

NWC	18				
NCE	18	>			
NEC	18				
NWC	16				
NCE	16				
NWC	14				
NEC	16				
NCE	14				
NEC	14				
NWC	12				
NCE	12				
NEC	12	}	3 — Center of Runway		
NWC	10	}			

PARTLY CLOUDY
JULY 20, 1971
RBJ CLAIM GROUP

G. HIX
F. SEWARD
20 July 71
Chain Notes

TR. MK. REG. U.S. PAT. OFF.

35|36 Head Chain DIST
2|1

Sec Cor		INSTRUMENT MAN:	
SE COR.	RBJ #2	William J. Freeman	
NE	RBJ #1		
NW	RBJ #37		
Chain EAST (E)		295'	295'
N.C.E.	RBJ #37	→ OLD I.P. STATION	
15' N. of Line 4 STA 10-5 (No Loc mon)			
NEC	RBJ 37		
NW	RBJ 38 E	295'	590
NCE	RBJ 38	295	885
Loc mon #38		MOVED STAKE	295
NEC	RBJ 38		
NWC	RBJ 39	295	1180
NCE	" 39	295	1475
NEC	39		295
NWC	" 40	295	1770
NCE	" 40	295	2065
NEC	" 40	295	2360
TURN COR South S			
S 90°		300	
		300	600
		300	900
		300	1200
SE COR	RBJ #40	290	1490
TURN 90° ∠ West			
SCE	" 40	295	295
SWC	" 40	295	590
SEC	" 39	295	885
SCE	" 39	295	1180

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MOVED LOCATION STAKES

OF RBT 38, 39, & 40 TO

CORRECT DISTANCES AND ANGLE

G. HIX
F. SEWARD

7-20-71

TR. MK. REG. U.S. PAT. OFF.

				1180
SWC	RBT 39	W	295	1475
SEC	" 38		—	
SCE	" 38		295	1770
SWC	" 38		—	
SEC	" 37		295	2065
SCE	" 37		295	2360
SWC	" 37		295	

TURN CORNER NORTH

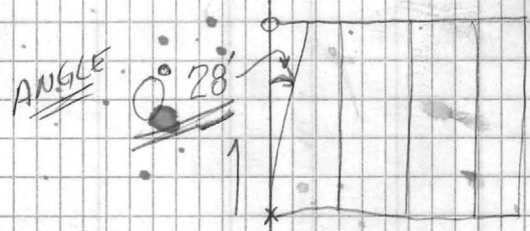
90°

	300	
	300	600
	300	900
close out Sec Cor	300	1200
	285	1485

35 | 36
2 | 1

CLOSURE ERROR ABOUT 5'

LONG & 0°28' OFF



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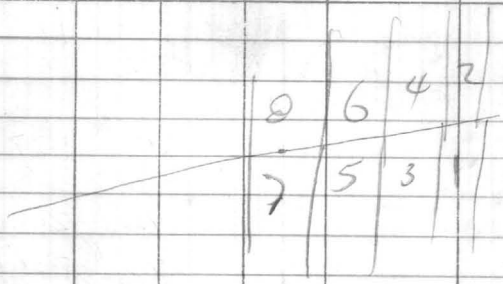

CORNER OF 3, 4, 5, 6
BESIDE (25'S) STATION
20 SOUTH OF LINE 1 ON IP
LINE

G. HIX
F. SEWARD
7-20-71
Chain Notes

TR. MK. REG. U.S. PAT. OFF.

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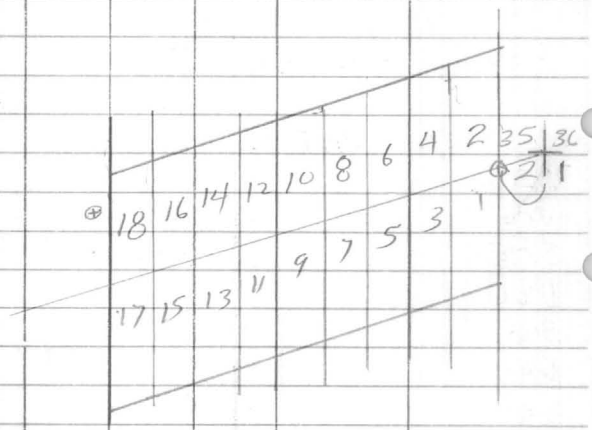
Beginning at Sec Cor 35 | 36 / 2 | 1

HEADING S 78° 15' W

STA.	Chain #		Chain	DIST
SEC	RBJ	2	0	0
NEC	"	1	—	—
NCE		1	—	—
SCE		2	295	295
NWC		1	—	
SWC		2	—	
NEC		3	—	
SEC		4	295	590
NCE		3	—	
SCE		4	295	885
SEC		6	—	
SWC		4	—	
NEC		5	—	
NWC		3	295	1180
NCE		5	—	
SCE		6	295	1475
SWC		6	—	
SEC		8	—	
NWC		5	—	
NEC		7	295	1770
NCE		7	—	
SCE		8	295	2065
SWC		8	—	
SEC		10	—	
NWC		7	—	
NEC		9	295	2360


N
18
16
14
12
10
8
6
4
2
35
36
2
1
1
3
5
7
9
11
13
15
17

(2)

G. HIX
T. SEWARD
7-20-71
Chain Notes

TR. MK. REG. U.S. PAT. OFF.

2360

STA	Claim #	Chain	Dist
NCE	9	—	
SCE	10	295	2655
SWC	10	—	
SEC	12	—	
NWC	9	—	
~~S~~NEC	11	295	2950
NCE	11	—	
SCE	12	295	3245
SWC	12	—	—
SEC	14	—	—
NWC	11	—	—
NEC	13	295	3540
NCE	13	—	—
SCE	14	295	3835
SWC	14	—	—
SEC	16	—	—
NWC	13	—	—
NEC	15	295	4130
NCE	15	—	—
SCE	16	295	4425
NWC	15	—	
NEC	17	—	
SWC	16		
SEC	18	295	4720
NCE	17	—	
SCE	18	295	5015
NWC	17	—	
SWC	18	295	5310

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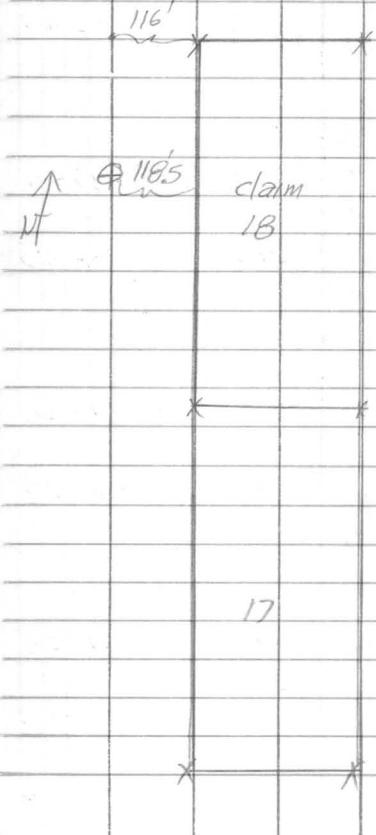
16

July 22, 1971

116' To Section Line
From NW CORNER of
RBJ claim 18

118.5' To claim Line
FROM SECTION CORNER



WARM & SUNNY

G. HIX
F. SELWACH

1 JULY 22, 1971

TR. MK. REG. U.S. PAT. OFF.

TURNED ANGLE
102° at CLAIM
18 to E. START
ROW OF CLAIMS

BEARING N 78° E

		CHAIN DISTANCE	DISTANCE TOTAL
NCE CLAIM	18	295'	295
SCE	35		
SEC	35	—	
SWC	33	—	
NWC	16	—	
NEC	18	295	590
NCE	16	—	
SCE	33	295	885
SEC	33	—	
NEC	16	—	
SWC	31	—	
NWC	14	295	1180
SCE	31	—	
NCE	14	295	1475
SEC	31	—	
SWC	29	—	
NEC	14	—	
NWC	12	295	1770
SCE	29 ~~12~~	—	
NCE	12	295	2065
SWC	27	—	—
SEC	29	—	—
NWC	10	—	—
NEC	12	295	2360

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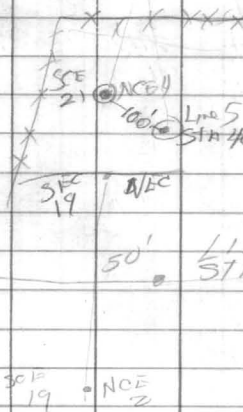
SCE 21
NCE 11
100'
Line 5 STA 40+E
SCE 19
NCE
50'
LINE 4 STA 5.0N
SCE 19
NCE 2

G. HIX
F. SEWARD

7-22-71

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					2360
SCE	RBJ	27	295		2655
NCE	"	10	—		
SWC		25	—		
SEC		27	—		
NEC		10	—		
NWC		8	295		2950
SCE		25	—		
NCE		8	295		3245
NEC		8	—		
NWC		6	—		
SEC		25	—		
SWC		23	295		3540
NCE		6	—		
SCE		23	295		3835
SEC		23	—		
SWC		21	—		
NWC		4	—		
NEC		6	295		4130
NCE		4	—		
SCE		21	295		4425
SWC		19	—		
SEC		21	—		
NWC		2	—		
NEC		4	295		4720
SCE		19	—		
NCE		2	295		5015
NEC		2	—		
SEC		19	295		5310

ORIGINAL COPR. 1910 BY J. O. PARKER

MADE IN U.S.A.

LEFAX, PHILADELPHIA, PA.

16

22 20
21 19

G. AIX
F. SEWARD
6-26-71
7-21-71

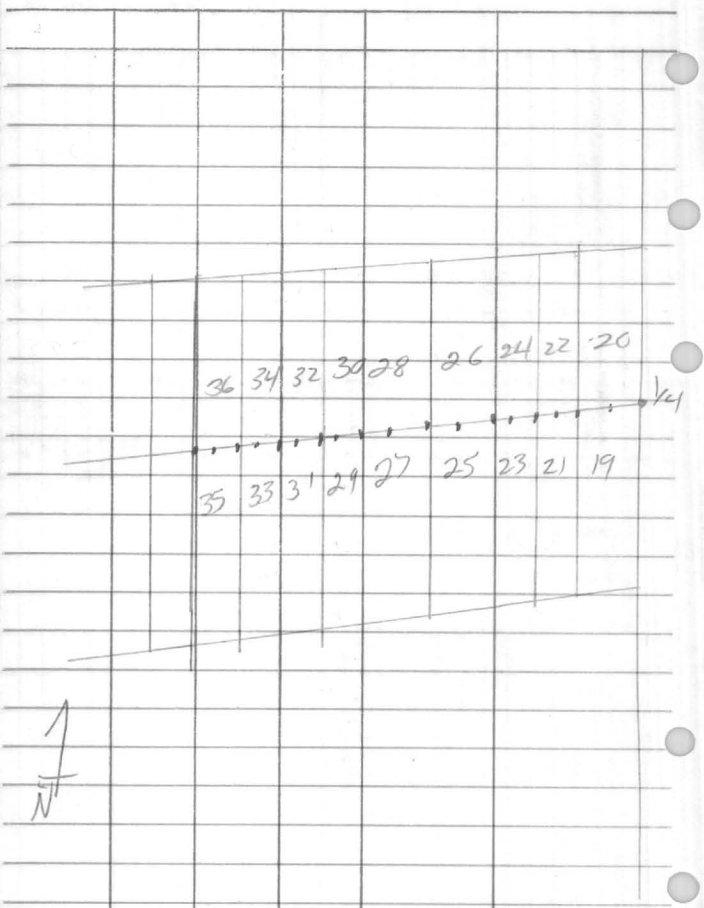
TR. MK. REG. U. S. PAT. OFF.

Begin 1/4 Cor
S 35 & 36
Heading West.

			Chain	Dist
NEC		19	0	0
SEC		20		
NCE	mon	19	—	
SCE	mon	20	295	295
SEC		22	—	
SWC		20	—	
NWC		19	—	
NEC		21	295	590
NCE		21	—	
SCE		22	295	885
SWC		22	—	—
SEC		24	—	—
NWC		23	—	—
NEC		25	295	1180
NCE		25	—	
SCE		26	295	1475
SWC		26	—	
SEC		28	—	
NWC		25	—	
NEC		27	295	1770
NCE		27	—	
SCE		28	295	2065
SWC		28	—	
NWC		27	—	
SEC		30	—	
NEC		29	295	2360

NWC 21
NEC 23

NCE 23
SCE 24


36 34 32 30 28 26 24 22 20
1/4
35 33 31 29 27 25 23 21 19
N

G. HIX
F SEWARD
7-21-71

TR. MK. REG. U.S. PAT. OFF.

			2360
SCE	30	295	
NCE	29	—	2655
SWC	30	—	
SEC	32	—	
NWC	29	—	
NEC	31	295	2950
NCE	31	—	
SCE	32	295	3245
SWC	32	—	
SEC	34	—	
NWC	31	—	
NEC	33	295	3540
NCE	33	—	
SCE	34	295	3835
SWC	34	—	
SEC	36	—	
NWC	33	—	
NEC	35	295	4130
SCE	36	—	
NCE	35	295	4425
NWC	35	—	
SWC	36	295	4720
Lost dist at #21, & 23 in Notes			+ 590
			5310
Chain N To NWC	36	300	
		300	600
		300	900
		300	1200
		300	1500

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105.
68.5

NCE 5° NWC
38 5TH 20N RB 36

LINE 1

G. AIX
F. SEWARD
7-22-21

TR. MK. REG. U.S. PAT. OFF.

HEADING EAST

Begin NWCor		Chain	Dist.
RBT #36 TURN 102°			
NWC	30	0	0
NCE	30	295	295
NEC	30	—	
NWC	34	295	590
NCE	34	295	885
NEC	34	—	
NWC	32	295	1180
NCE	32	295	1475
NEC	32	—	
NWC	30	295	1770
NCE	30	295	2065
NEC	30	—	
NWC	28	295	2360
NCE	28	295	2655
NEC	28	—	
NWC	26	295	2950
NCE	26	295	3245
NEC	26	—	
NWC	24	295	3540
NCE	24	295	3835
NEC	24	—	
NWC	22	295	4130
NCE	22	295	4425
NEC	22	—	
NWC	20	295	4720
NCE	20	295	5015
NEC	20	295	5310

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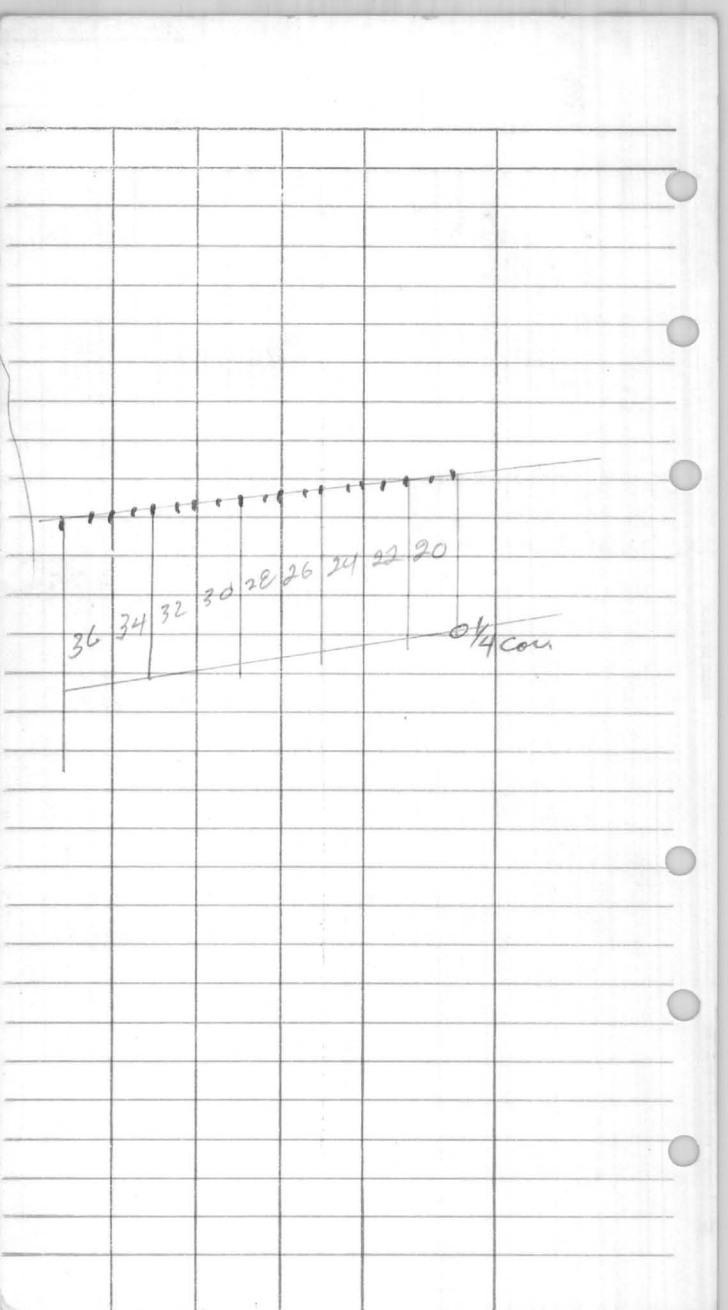
36
34
32
30
28
26
24
22
20
0 1/4 Con

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Gather
F. SEWARD
7-22-71

TR. MK. REG. U. S. PAT. OFF.

Turn Corner
S To
1/4 Cor 35 & 36

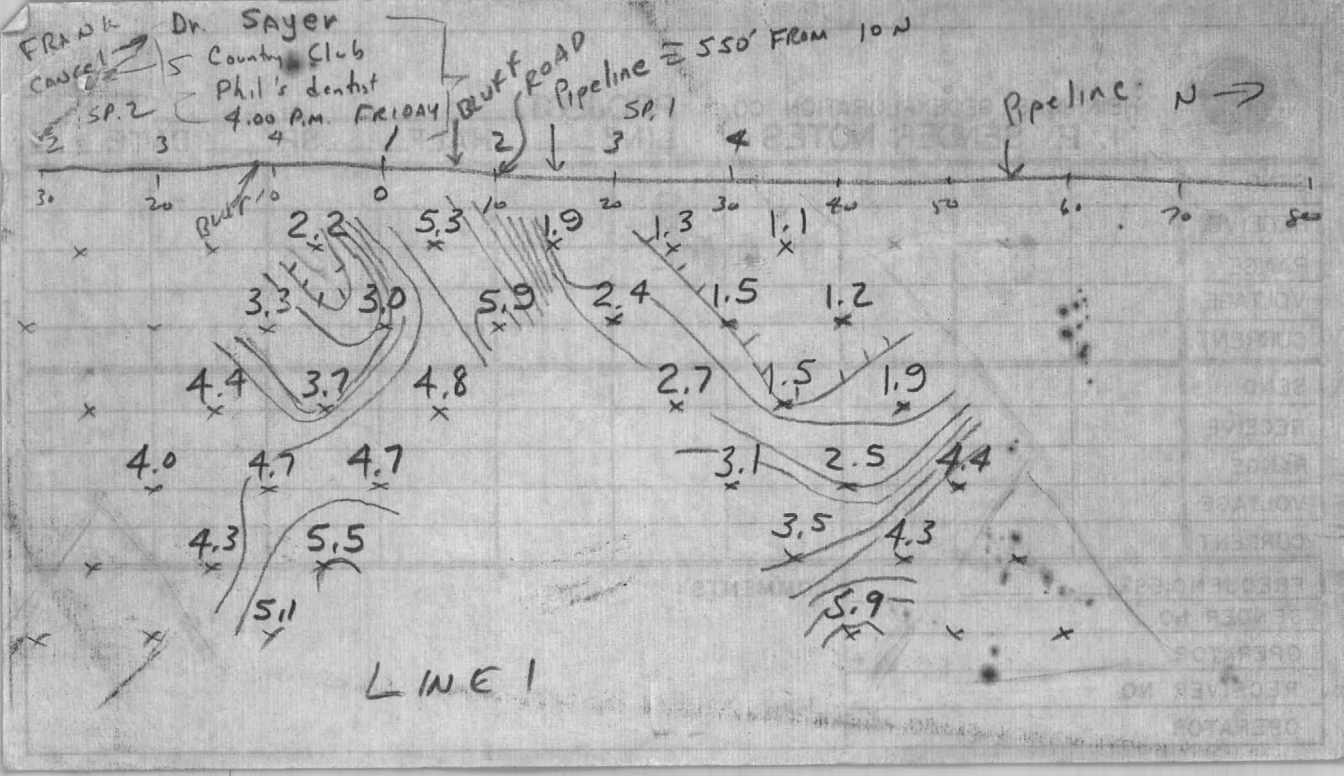
300	
300	600
300	900
300	1200
300	1500

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 626
LINE ____ HALF ____ S.P. ____ DATE ____

PAGE

SEND	#534	#523		#652		#657				
RECEIVE	2mA	6mA		6mA		6mA				
RANGE										
DC 1 PFE	0.8-1.0	6.2 WE		3.9		0.7				
DC 2		7.6 DEV								
DC 3										
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	21.1	31.5		178.		306				
AC 2										
AC AVG.										
S.P.										
AC NOISE										
POT RES.										


FRANK
Dr. SAYER
CANCEL
5 Country Club
Phil's dentist
4:00 P.M. FRIDAY
SP. 2
BLUFF
ROAD
Pipeline ≅ 550' FROM 10 N
SP. 1
Pipeline N →
2 3 4 1 2 3 4
30 20 10 0 10 20 30 40 50 60 70 80
BLUFF
2.2 5.3 1.9 1.3 1.1
3.3 3.0 5.9 2.4 1.5 1.2
4.4 3.7 4.8 2.7 1.5 1.9
4.0 4.7 4.7 3.1 2.5 4.4
4.3 5.5 3.5 4.3
5.1 5.9
LINE 1

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT_____

LINE____ HALF____ SP.____ DATE____

PAGE

SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES____ ____

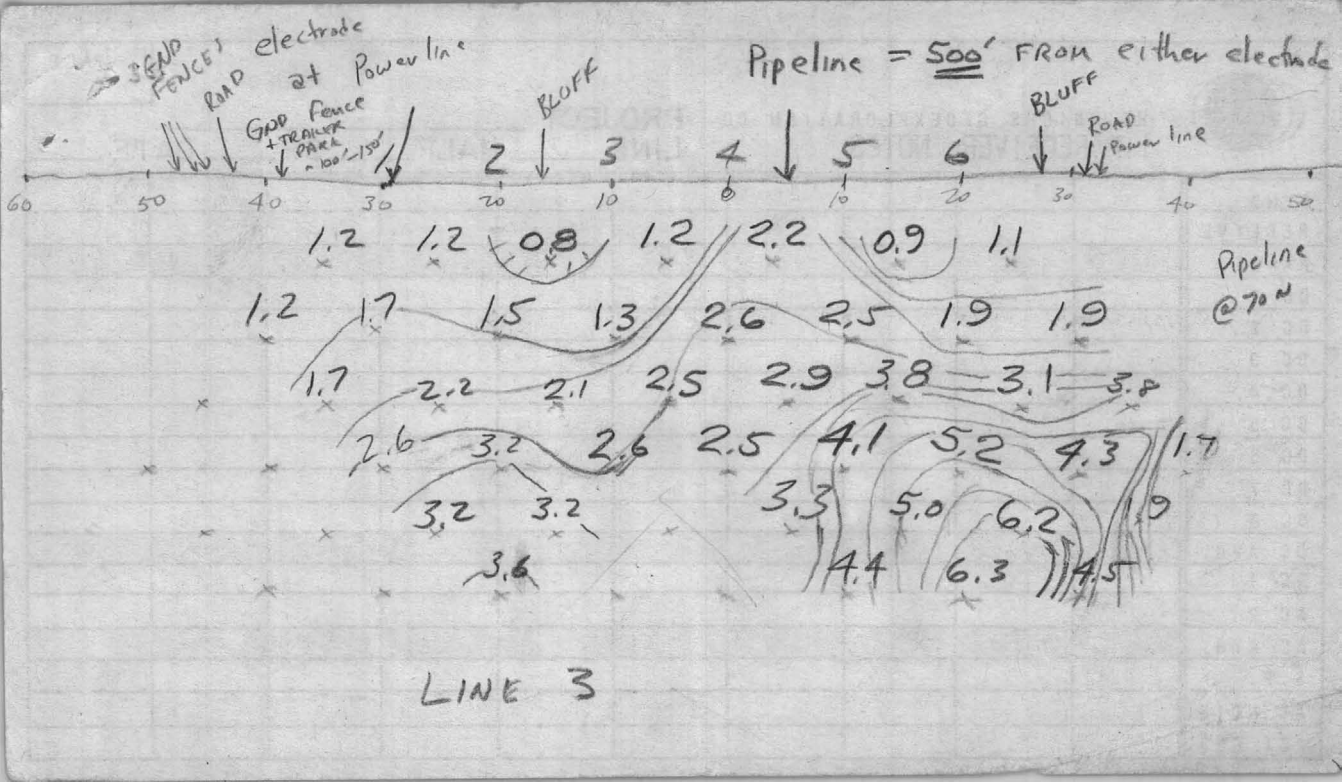
SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:


SEND FENCES
ROAD
electrode at Power line
Pipeline = 500' FROM either electrode
BLUFF
Good Fence + TRAILER PARK ~100'-150'
BLUFF
ROAD
Power line
2
3
4
5
6
60
50
40
30
20
10
0
10
20
30
40
50
1.2 1.2 0.8 1.2 2.2 0.9 1.1
1.2 1.7 1.5 1.3 2.6 2.5 1.9 1.9
1.7 2.2 2.1 2.5 2.9 3.8 3.1 3.8
2.6 3.2 2.6 2.5 4.1 5.2 4.3 1.7
3.2 3.2 3.3 5.0 6.2 1.9
3.6 4.4 6.3 4.5
Pipeline @ 70N
LINE 3

PAGE

HEINRICHS GEOEXPLORATION CO. PROJECT _____

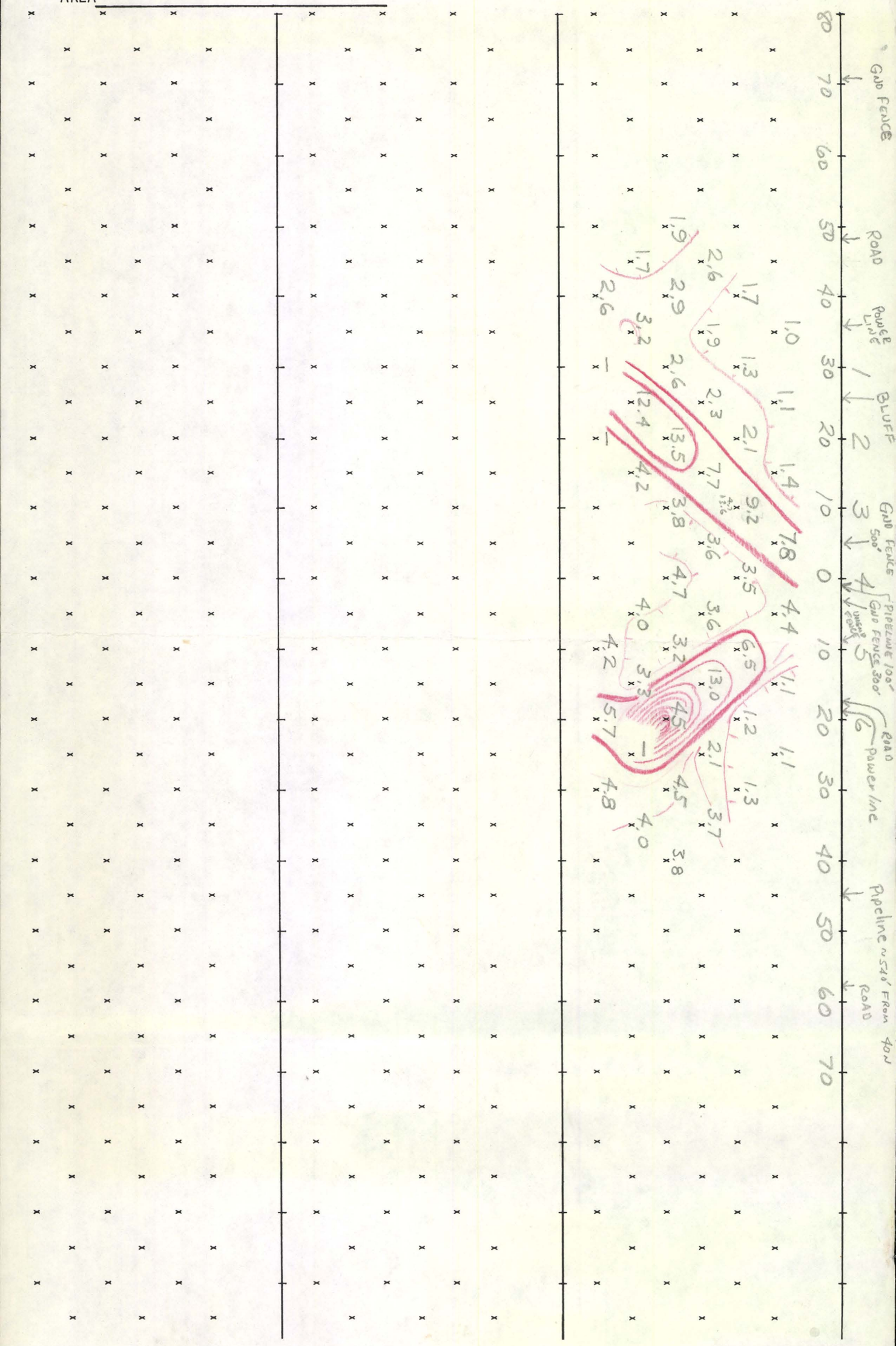
I.P. RECEIVER NOTES LINE ____ HALF ____ S.P. ____ DATE ____

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

JOB# _____ LINE# 2? SP _____ a = _____ LOOKING _____

CLIENT _____ DATE _____ FREQUENCIES _____ & _____ Hz

AREA _____



JOB# 626 LINE# 1 SP 1/2 a = 1000' LOOKING S75°W

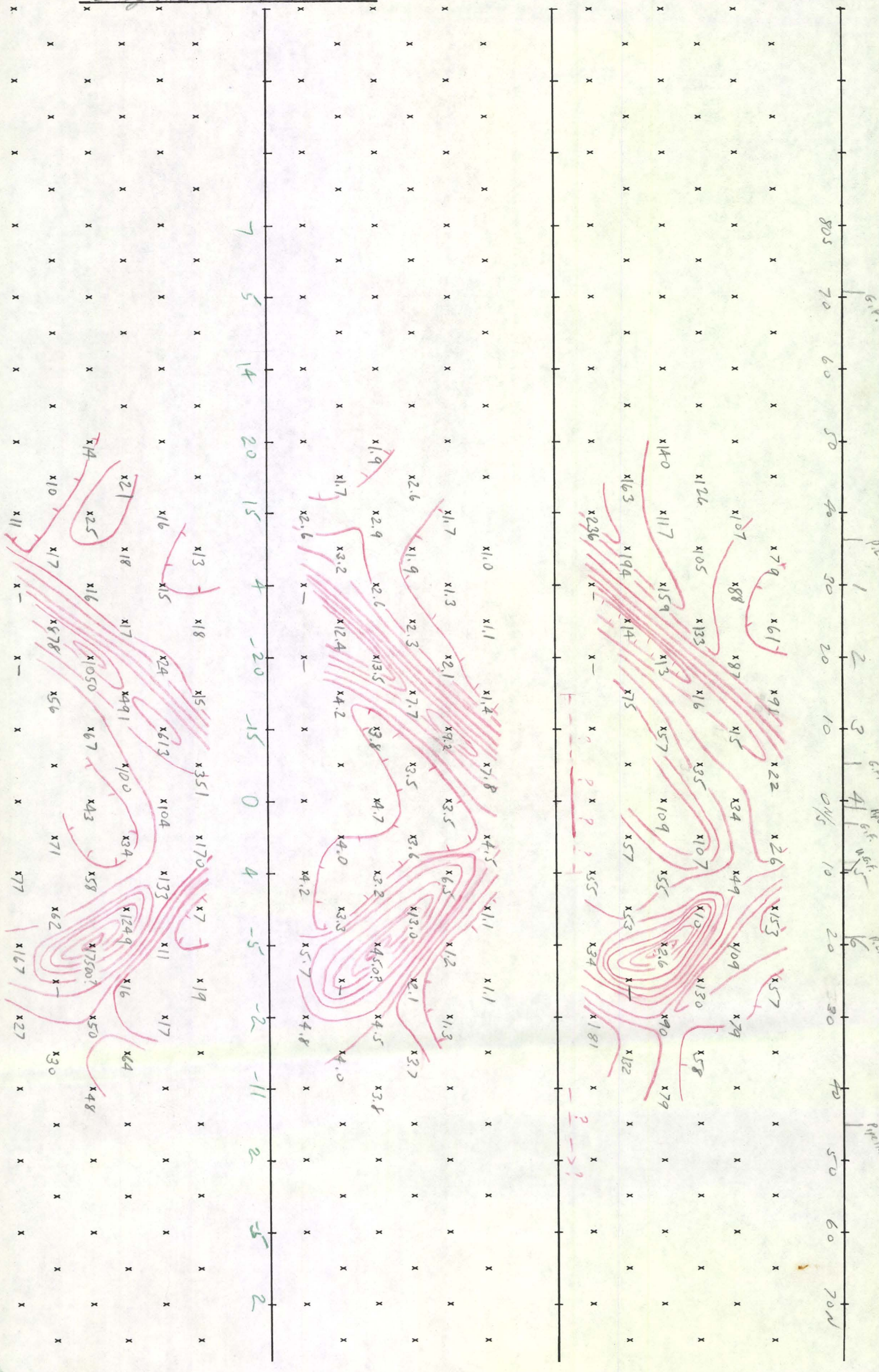
CLIENT R. B. Jr. DATE May 71 FREQUENCIES 1 & 0.1 Hz

AREA Bagdad

JOB# 626 LINE# 2 SP 1 a = 1000' LOOKING S60°W

CLIENT R.B. Jr. DATE May 1971 FREQUENCIES 1 & 0.1 Hz

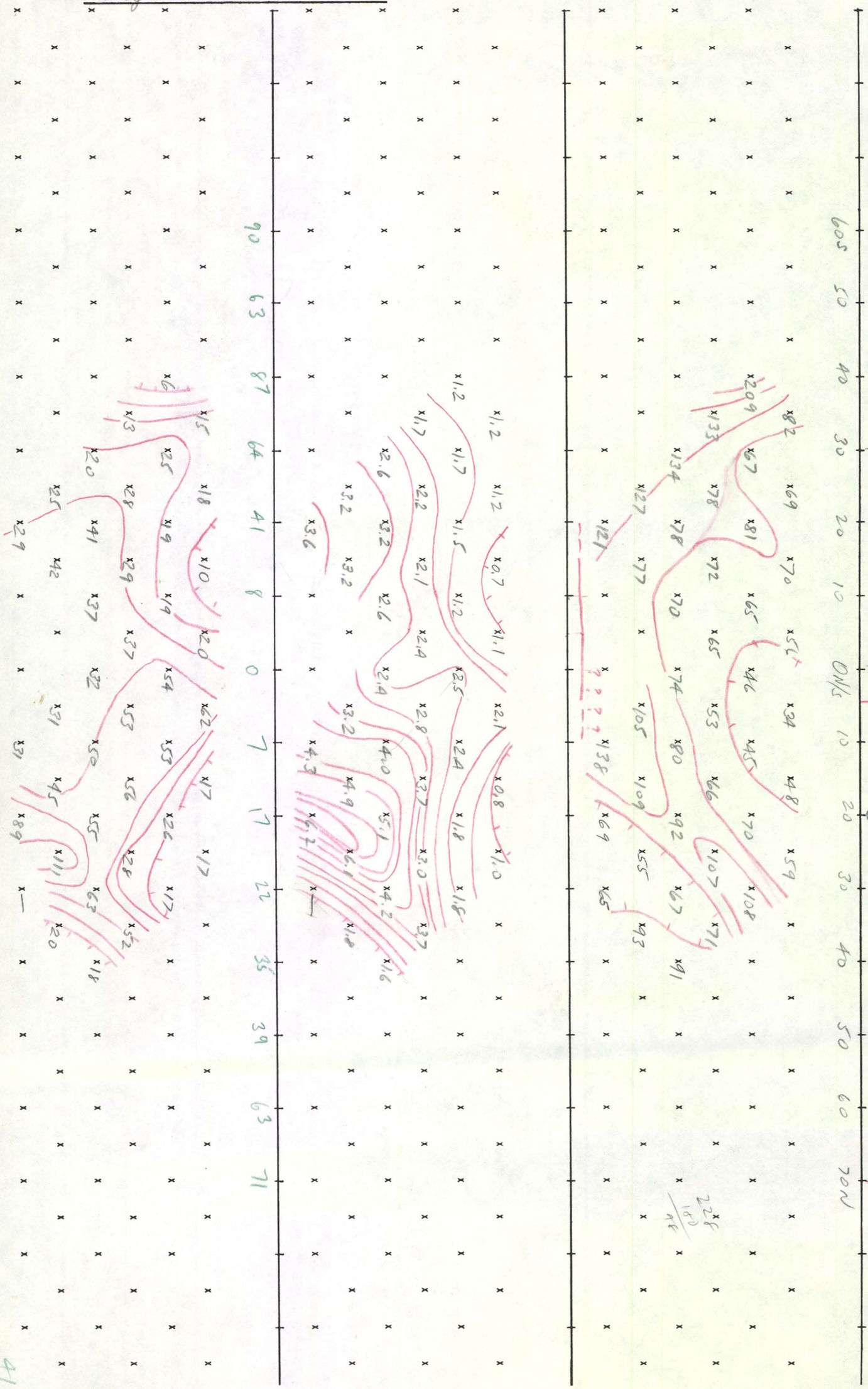
AREA Baghdad



JOB# 626 LINE# 3 SP 1 a = 1000' LOOKING S60°W

CLIENT R. B. Jr. DATE May 71 FREQUENCIES 1 & 0.1 Hz

AREA Bagdad

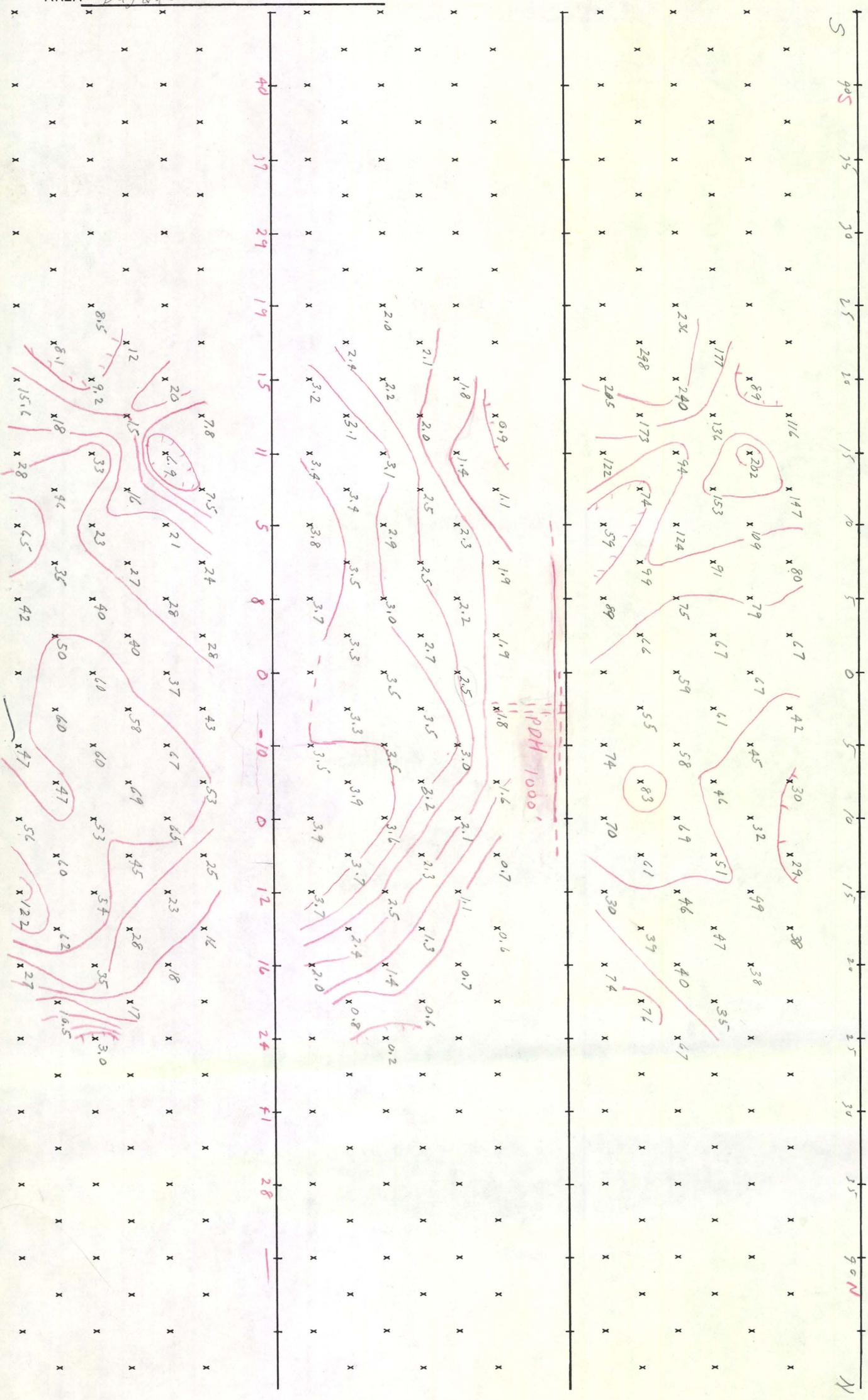


41

JOB# 626 LINE# 4 SP 1 a = 500 LOOKING S 70°W

CLIENT Badger DATE June 17/71 FREQUENCIES 3.0 & 0.3 Hz

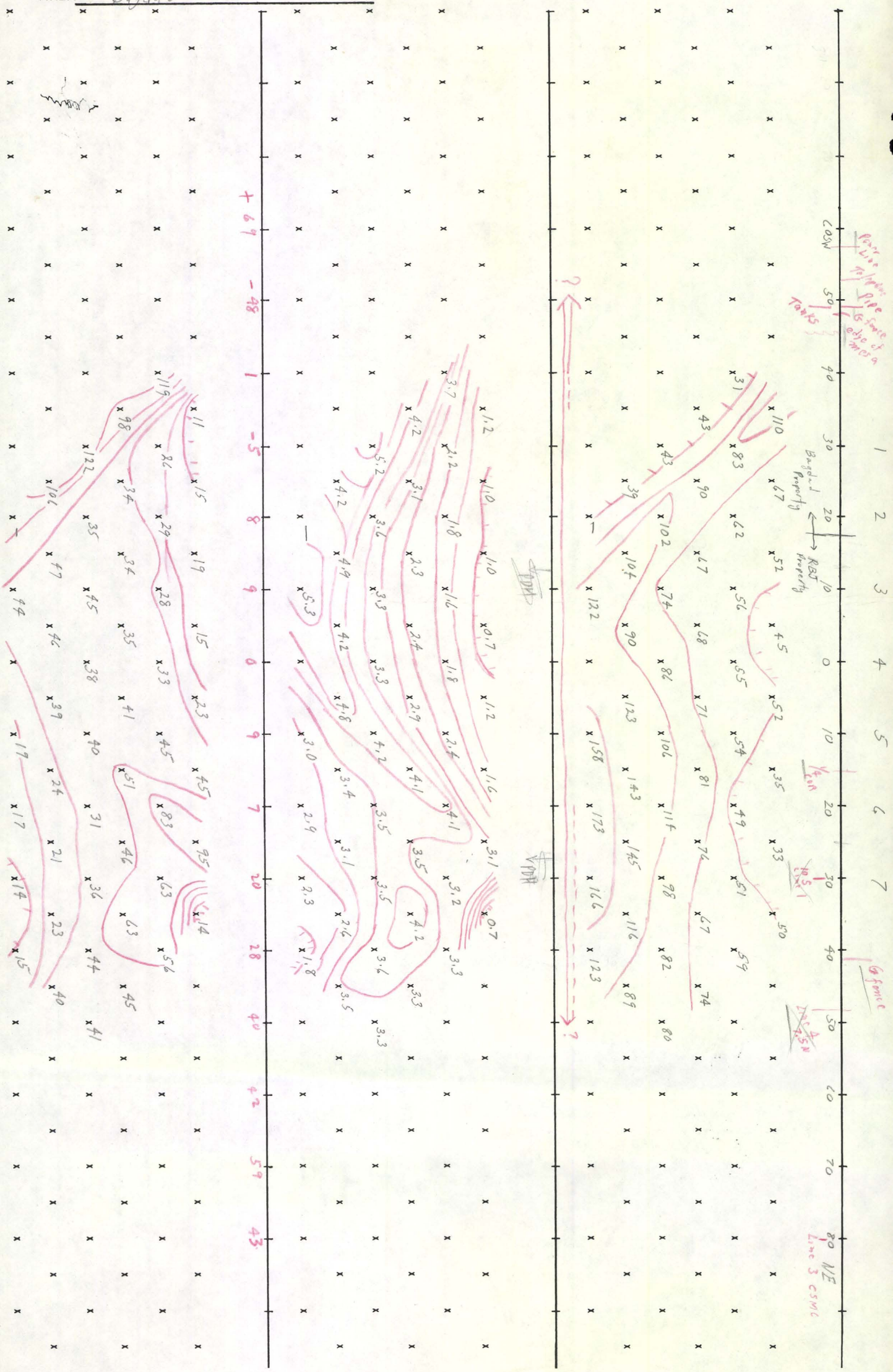
AREA Bagdad



JOB# 626 LINE# 5 SP 1 a = 1000 LOOKING N42W

CLIENT Badsett DATE 6/16/71 FREQUENCIES 1.0 & 01 Hz

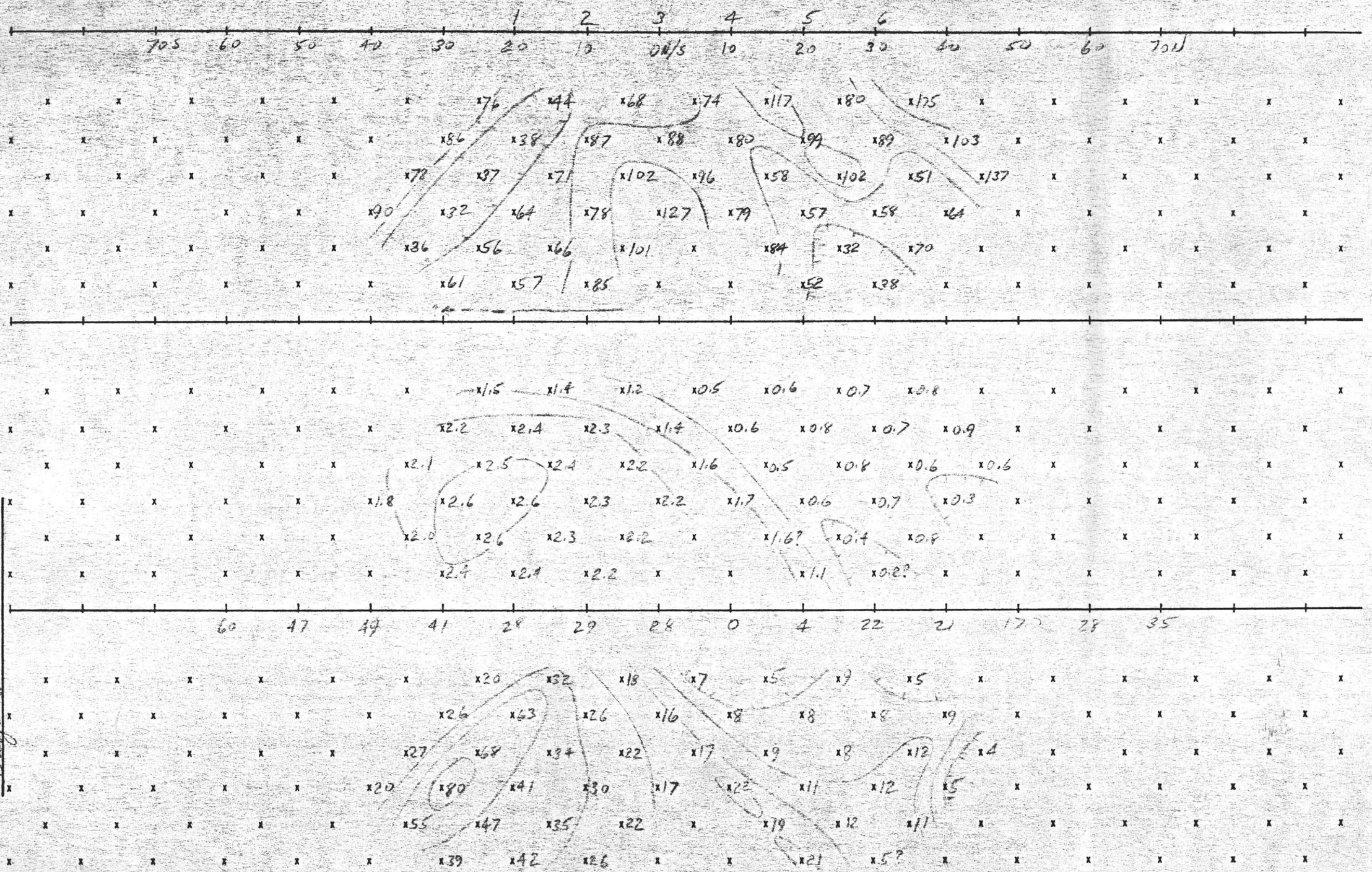
AREA Bagdad



JOB# 482 LINE# 1-A/3 SP 1 a = 1000'

CLIENT [illegible] DATE Dec. 1993 FREQUENCIES 0.1 & 1.0 HZ

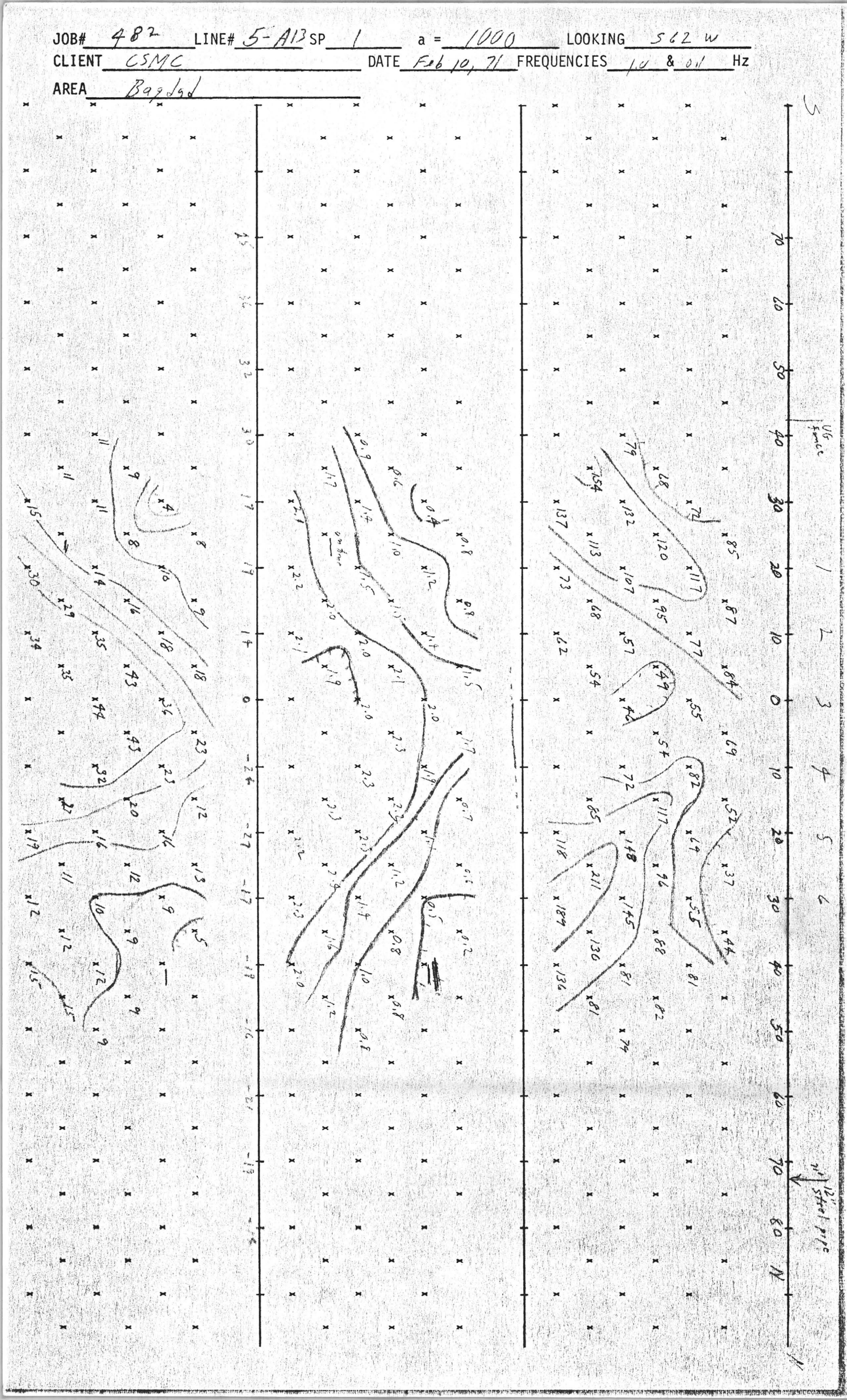
AREA Bagdad LOOKING N62W



JOB# 482 LINE# 5-A13 SP 1 a = 1000 LOOKING S62 W

CLIENT CSMC DATE Feb 10, 71 FREQUENCIES 10 & 011 Hz

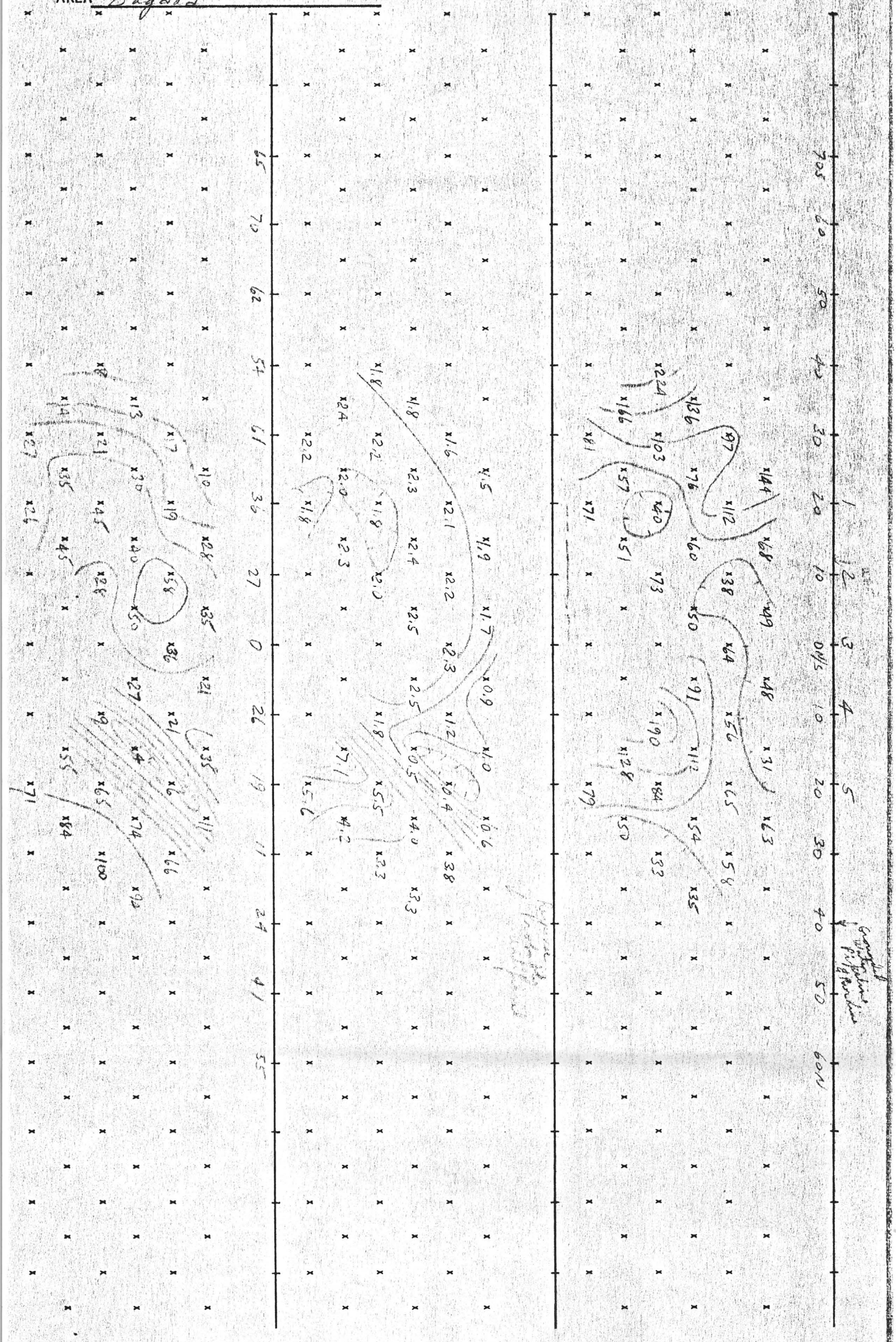
AREA Baghdad



JOB# 482 LINE# 3-A13 SP 1 a = 1000' LOOKING S77W (S½) S56W (N½)

CLIENT C.S.M.C. DATE Dec. 1970 FREQUENCIES 0.1 & 1.0 Hz

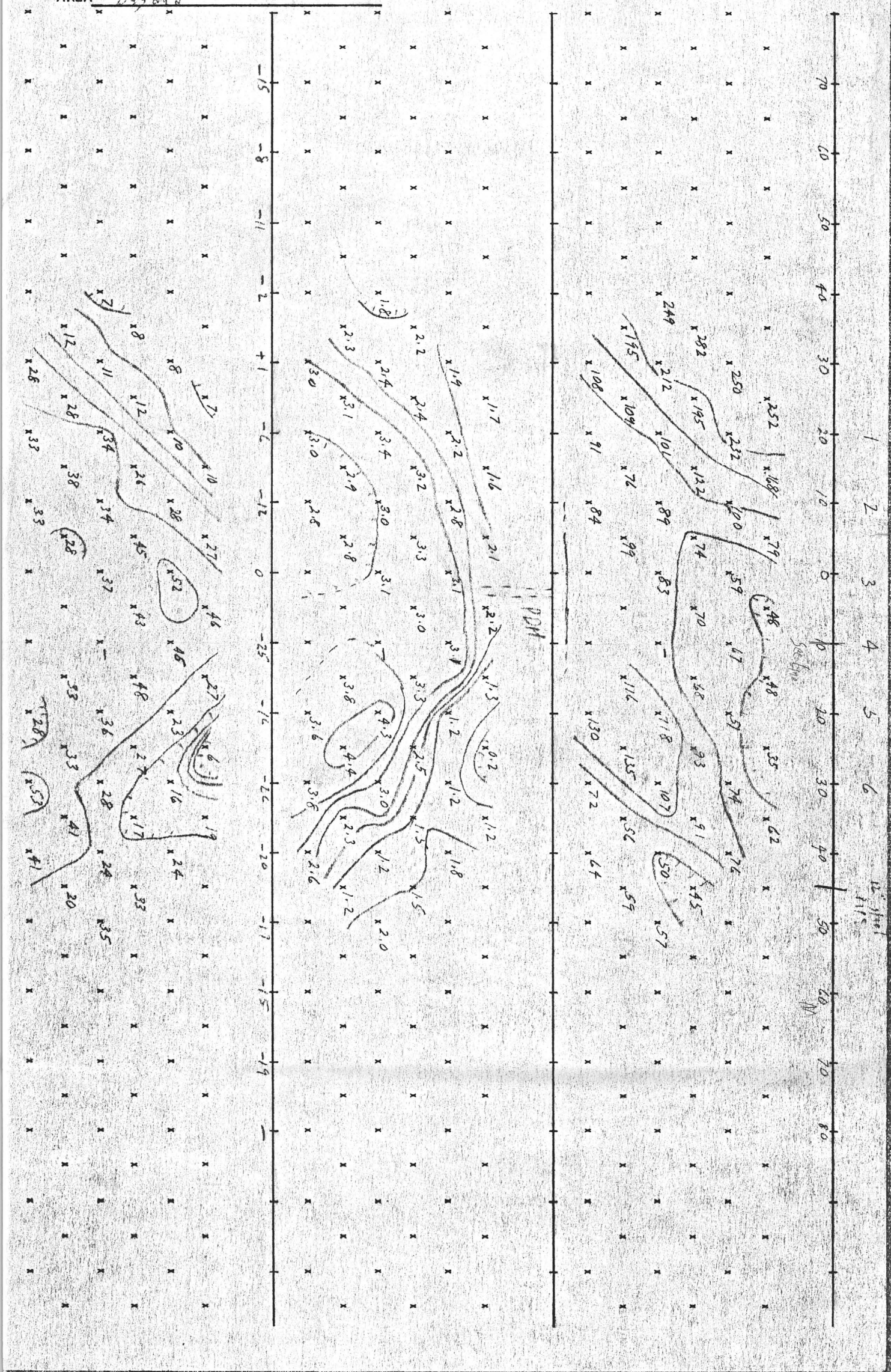
AREA Bagdad



JOB# 482 LINE# 4-A13 SP 1 a = 1000 LOOKING S½ S82W N½ S80W

CLIENT CSMC DATE Feb 9, 71 FREQUENCIES 1.0 & 0.1 Hz

AREA Bayda



Job 626, Line 1 sec 1 N½ 5/12/71

1000.

Pipeline @ ~15N 550' FROM O

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 1 BEARING N HALF N SP. 1 DATE 5-12-71

SEND	CAL	1-2	2-3	1-2	3-4	2-3	1-2	3-4	2-3	1-2
RECEIVE	1-2	20-30N	30-40N	→	40-50N	——→		50-60	——→	
MULT.	10	10	10	1.0	10	1.0	1.0	1.0	1.0	0.1
PFE	0.0	1.9	1.3	2.4	1.1	1.5	2.7	1.2	1.5	3.1
CUR	2	10	8	10	4	8	10	5	8	10
#	1	1	2	3	4	5	6	7	8	9
n		1	1	2	1	2	3	2	3	4
PFE Avg.										
AC	201.	141.	225.	39.4	185.	78.4	20.8	53.3	27.4	8.73
DRIFT	0.0	—	—	—	—	—	—	—	—	—
S.P.		+5.7	+21.0		+12.0			+27.3		
AC NOISE	1.0									
POT RES.	0.1	2.8K	2K		2K			3K		

RAIN!

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 1 BEARING N 15°W HALF N SP. 1 DATE 5-12-71

SEND	3-4	2-3	1-2	3-4	2-3	1-2		S.P.	S.P.	
RECEIVE	60-70N	→	→	70-80N	→	→		0-10N	10-20N	
MULT.	1.0	1.0	0.1	1.0	0.1	0.1				
PFE	1.9	2.5	3.5	4.4	4.3	5.9				
						9.0 6.0				0.914
						8.5 7.5	0.3	DC		
						6.5 11.5		7.5		1.069
						2.5 14.5			7.5	
						8.0 7.5		→	↓	
CUR	5	8	10	5	8	6.0 9.5	0.1	DC	10	
#	10	11	12	13	14	3.0 12.5			15	
n	3	4	5	4	5	1.5 12.5			6	
PFE Avg.						2.0 13.5				
AC	22.7	14.6	4.80	11.6	8.27	3.04				
DRIFT	—	—	—	—	—					
S.P.	+1.2			+14.9				+28.4	+19.6	
AC NOISE										
POT RES.	2K			1.5K				0.6K	2K	

Job 626, Line 1 Sgl S½ 5/12/71 1000.

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 1 BEARING N HALF S SP. 1 DATE 5-12-11

SEND	CAL	2-3	3-4	1-2	2-3	3-4	1-2	2-3	3-4	1-2
RECEIVE	1-2	0-10S	→	10-20S	—	→	20-30S	—	→	30-40
MULT.	10	10	1.0	10	1.0	1.0	1.0	1.0	0.1	1.0
PFE	0.0	5.3	5.9	2.2	3.0	4.8	3.3	3.7	4.7	4.4
			5.5 11.2							
		0.3	5.0 11.6							
		DC	4.6 12.0							
			4.4 12.5							
CUR	2	8	12.6 2.0	10	8	5	10	8	5	10
#	2	10.1	13.0 1.5	3	4	1	6	7	8	9
n		10C	13.2 1.2	1	2	3	2	3	4	3
			14.0 1.0							
PFE Avg.										
AC	200.	107.	19.6	149.	35.3	10.5	45.8	20.9	7.55	21.2
DRIFT	0.0	—	—	—	—	—	—	—	—	—
S.P.		-7.5		+6.5			+24.3			+3.1
AC NOISE	1.0									
POT RES.	0.1	5K		0.8K			0.4K			0.5K

5
2
2

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 1 BEARING N HALF S SP. 1 DATE 5-12-71

SEND	2-3	3-4	1-2	2-3	3-4					
RECEIVE	30-40	→	40-50	5 →						
MULT.	1.0	0.1	1.0	1.0	0.1					
PFE	4.7	5.5	4.0	4.3	5.1		5.1			
					5.0 8.0	} 0.3 PC				
					8.0 - 7.0					
					6.1 - 8.0					
					7.2 5.8		5			
CUR	8	5	10	8	6.0 5.8	} 0.1 DC	14			
#	10	11	12	13	7.8 4.4		6			
%	4	5	4	5	8.4 4.2					
					8.4 4.8					
PFE Avg.					7.8 - 5.1					
AC	11.9	4.85	18.5	11.6	5.08		5.08			
DRIFT	—	—	—	—			0.0			
S.P.										
AC NOISE										
POT RES.										

5
1/2

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 1 HALF N SP. 1 DATE 5-12-71

PAGE 1

SEND	CAL	1-2	2-3	1-2	3-4	2-3	1-2	3-4	2-3	1-2
RECEIVE	1-2	20-30N	30-40N	→	40-50	→	→	50-60	→	→
RANGE	10X200	20X500	20X400	20X500	10X400	20X400	20X500	10X500	20X400	20X500
VOLTAGE	80	260	500	260	430	500	250	500	480	250
CURRENT	2 A	10A	8A	10A	4A	8A	10A	5A	8A	10A
SEND	3-4	2-3	1-2	3-4	2-3	1-2				
RECEIVE	60-70	→	→	70-80	→	→				
RANGE	10X500	20X400	20X500	10X500	20X400	20X500				
VOLTAGE	480	480	240	460	480	250				
CURRENT	5A	8A	10A	5A	8A	10A				

FREQUENCIES 1 0.1

SENDER NO. 2370S

OPERATOR SWANSON

RECEIVER NO. 2570S R

OPERATOR FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 1 HALF 5 SP. 1 DATE 5-12-7

SEND	CAL	2-3	3-4	1-2	2-3	3-4	1-2	2-3	3-4	1-2
RECEIVE	1-2	0-10S	→	10-20S	→	→	20-30	→	→	30-40
RANGE	10X200	20X400	10X500	20X500	20X400	10X500	20X500	20X400	10X500	20X500
VOLTAGE	80	490	540	220	490	500	240	490	480	240
CURRENT	2A	8A	5A	10A	8A	5A	10A	8A	5A	10A
SEND	2-3	3-4	1-2	2-3	3-4					
RECEIVE	30-40	→	40-50	S	→					
RANGE	20X400	10X500	20X500	20X400	10X500					
VOLTAGE	490	490	240	490	490					
CURRENT	8A	5A	10A	8A	5A					

FREQUENCIES 1 0.1

SENDER NO. 23706 S

OPERATOR SWANSON

RECEIVER NO. 25715 R

OPERATOR FREEMAN

COMMENTS:

J16-626 ; Linol sp 2 5½

5/13/71 - 100c.

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 1 BEARING N15°W HALF S SP. 2 DATE 5-13-71

SEND	CAL	3-4	2-3	3-4	1-2	2-3	3-4	1-2	2-3	3-4
RECEIVE	1-2	1-2	40-50S	→	50-60S	→	→	60-70	S →	→
MULT.	10.	10.	10.	1.0	10	10	1.0	10	1.0	1.0
PFE	0.0	2.0	2.5	2.6	2.4	1.7	1.9	2.6	1.3	2.3
CUR	2	8	—	—	10	8	—	10	—	—
#	1	1	2	3	4	5	6	7	8	9
n		1	1	2	1	2	3	2	3	4
PFE Avg.										
AC	201.	170.	507.	82.6	856.	153.	33.5	190.	49.1	13.0
DRIFT	0.0	—	—	—	—	—	—	—	—	—
S.P.			+11.0		+12.0			+0.7		
AC NOISE	1.0									
POT RES.	0.1		1K		2K			1K		

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 1 BEARING N 15° W HALF S SP. 2 DATE 5-13-71

SEND	1-2	2-3	3-4	1-2	2-3	3-4				
RECEIVE	70-80	S →	→	80-90	→	→				
MULT.	1.0	1.0	0.1	1.0	1.0	0.1				
PFE	2.7	1.7	2.4	3.0	1.9		7			
COR	10	8 →	→	10	8 →	→				
#	10	11	12	13	14	15				
n	3	4	5	4	5	6				
PFE Avg.										
AC	84.2	27.2	8.60	56.3	21.1	7.22				
DRIFT	—	—	—	—	—					
S.P.	+2.0			+10.4						
AC NOISE										
POT RES.	1 K			1 K						

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 1 BEARING N15°W HALF N SP. 1 DATE 5-13-71

SEND	2-3	1-2		1-2						
RECEIVE	0-10S	→		0-16						
MULT.	10	1.0								
PFE	2.4	4.3	3Hz	45.8						
			1Hz	2.0						
			0.3 Hz	4.3						
			0.1 Hz	6.3						
CUR	8	10		9.2-6.8		160		+ 6.3%	= 0.80	
#	1	2		9.0-7.0		158	7.9	/ 2		
2	1	2		8.7		160	avg			
				SHIFT		154				
PFE Avg.										
AC	133.	46.7								
DRIFT	—	—								
S.P.	+4.6									
AC NOISE										
POT RES.	0.3K									

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 1 HALF S SP. 2 DATE 5-13-71

SEND	CAL	3-4	2-3	3-4	1-2	2-3	3-4	1-2	2-3	3-4
RECEIVE	1-2	1-2	40-50s	→	50-60s	→	→	60-70	→	→
RANGE	10X200	20X400	20X400	20X400	20X500	20X400	20X400	20X500	20X400	20X400
VOLTAGE	140	500	490	500	460	490	500	460	490	500
CURRENT	2A	8A	8A	8A	10A	8A	8A	10A	8A	8A
SEND	1-2	2-3	3-4	1-2	2-3	3-4				
RECEIVE	70-80	→	→	80-90	5	→				
RANGE	20X500	20X400	20X400	20X500	20X400	20X400				
VOLTAGE	460	490	500	460	490	500				
CURRENT	10A	8A	8A	10A	8A	8A				

FREQUENCIES 1 0.1

SENDER NO. 23706 S

OPERATOR SWANSON

RECEIVER NO. 25705 R

OPERATOR FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 1 HALF N SP. 1 DATE 5-13-71

SEND	2-3	1-2*								
RECEIVE	0-10s	→								
RANGE	20X400	20X500								
VOLTAGE	480	440								
CURRENT	8A	10A								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 1 0.1

SENDER NO. Z3706S

OPERATOR SWANSON

RECEIVER NO. Z0693R

OPERATOR

COMMENTS: * 3HZ + .3HZ ALSO

Job #626, Line 2, Spread 1, N+S ½, 5/7/71 1000.

No Iron Pipe? UNF Fence? @ 980'N I.P. RECEIVER NOTES Grounded Fence @ 300' PAGE 1

Grounded Pipeline @ 100'

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 2 BEARING N30W HALF N SP. 1 DATE 5-7-71

SEND	CAL	3-4	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	3-4	1-2	0-10N	→	10-20N	→	→	20-30N	→	→
MULT.	10	10	1.0	0.1	1.0	1.0	0.1	10	1.0	1.0
PFE	0.0	1.4	7.8	13.6	4.4	3.5	3.5	1.1	6.5	3.6
				8						
Curve	2	10	10	8	10	10	F	8	10	10
#	1	1	2	3	4	5	6	7	8	9
"		1	1	2	1	2	3	1	2	3
PFE Avg.										
AC	200.	303.	68.8	9.00	84.5	27.1	9.04	403.	38.3	34.4
DRIFT	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.6	0.0
S.P.			+4.1		-9.5			+3.3		
AC NOISE	1.0							STA 20 N IN		GRAN
POT RES.	0.1		0.8K		0.7K			2K		

Powerline @ 18N

I.P. RECEIVER NOTES Pipeline @ 45N

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT BAGOAO 626

LINE 2 BEARING N 30° W HALF N SP. 1 DATE 5-7-71

SEND	1-2	5-6	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3
RECEIVE	20-30N	30-40N	—	—	—	→	40-50	—	—	→
MULT.	1.0	10	1.0	0.1	0.1	0.1	1.0	1.0	0.01	0.1
PFE	4.7	1.1	1.2	13.0	3.2	4.0	1.3	2.1	~45.0	3.3
Gen	8	6	8	10	10	8	6 8	8	10	10
#	10	11	12	13	14	15	16	17	18	19
n	4	1	2	3	4	5	2	3	4	5
PFE Avg.										
AC	13.9	112.	71.6	3.07	8.86	4.15	38.9	34.0	0.295	4.92
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.		-8.7					+12.3			
AC NOISE										
POT RES.		2K					31K			

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 2 BEARING N30°W HALF N SP. 1 DATE 5-7-71

SEND	1-2	5-6	4-5	3-4	2-3	5-6	4-5	3-4		
RECEIVE	40-80	50-60	—	→		60-70	—	→		
MULT.	0.1	1.0	1.0	—	0.1	0.1	0.1	0.01		
PFE	4.2	3.7	4.5	—	5.7	3.8	4.0	4.8		
				Signal too Low!						
Cm	8	6	8		10	6	8	10		
ft	20	21	22		24	25	26	27		
n	6	3	4		6	4	5	6		
PFE Avg.										
AC	2.50	11.1	11.5	—	1.92	7.64	9.65	10.27		
DRIFT	0.0	0.0	0.0		0.0	0.0	0.0	0.0		
S.P.		-6.9				+7.8				
AC NOISE										
POT RES.		5K				5K				

END Fence @ 5S I.P. RECEIVER NOTES LINE 1S ~50E OF LOCATN CLAIM POST 11 & 12

PAGE 4

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 2 BEARING S30°E HALF S SP. / DATE 5-7-71

SEND	CAL	S.P.	S.P.	~~2-3~~	3-4	4-5	5-6	~~1-2~~	2-3	3-4
RECEIVE	4-5	0-10S	10-20S	20-30S			→	30-40S		
MULT.	10			1	10	0.1	0.1		10	1.0
PFE	0.0				1.5	4.7	3.6		1.1	2.1
								Power		
								line		
								@		
Cm					10	8	6	650'S	10	10
#					29	30	31	OF	32	33
"					1	2	3	STA	1	2
								30S		
								ALSO		
PFE Avg.								ROAD		
AC	200				295.	9.83	6.74	(small)	202.	71.3
DRIFT	0.0				0.0	0.0	0.0		0.0	0.0
S.P.		-15.4	-4.2	+23.8				+10.4		
AC NOISE										
POT RES.		0.4K	0.5K	0.6K				1.2K		

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 2 BEARING S 20° E HALF 5 SP. 1 DATE 5-7-71

SEND	4-5	5-6	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	30-40s	→	40-50s	→	→	→	→	50-60	→	→
MULT.	0.1	0.1	10	1.0	1.0	0.1	0.1	1.0	1.0	1.0
PFE	7.7	3.8	1.0	1.3	2.3	13.5	4.2	1.7	1.9	2.6
Cur	8	6	8	10	10	8	6	8	10	10
#	34	35	36	37	38	39	40	41	42	43
n	3	4	1	2	3	4	5	2	3	4
PFE Avg.										
AC	3.88	5.50	209.	72.0	43.4	1.51	4.10	70.4	34.5	25.9
DRIFT	0.0	0.0	0.0	0	0	0	0	0	0	0
S.P.			+5.6					-5.8		
AC NOISE										
POT RES.			3k					5k		

I.P. RECEIVER NOTES

PAGE 6

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 2 BEARING S30°E HALF S SP. / DATE 5-7-71

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	
RECEIVE	50-60	→	60-70	→	→	→	70-80	→	→	
MULT.	0.01		1.0	1.0	1.0	0.01	1.0	1.0	1.0	
PFE	12.4		2.6	2.9	3.2		1.9	1.7	2.6	
						Signal Too Low				
										GND.
Cur	8	~~8~~	~~8~~ 8	10	~~8~~ 10		8	8	10	Fence
#	44		46	47	48		50	51	52	@ 70.7s
M	5		3	4	5		4	5	6	
										~70°
										Δ
PFE Avg.										
AC	0.957		32.7	18.9	17.9	—	18.3	12.2	13.7	
DRIFT	~~0~~		~~0~~ 0	~~0~~	~~0~~		~~0~~	~~0~~	~~0~~	
S.P.			-9.3				+1.7			
AC NOISE										
POT RES.			6 K				4 K			

Spectral data

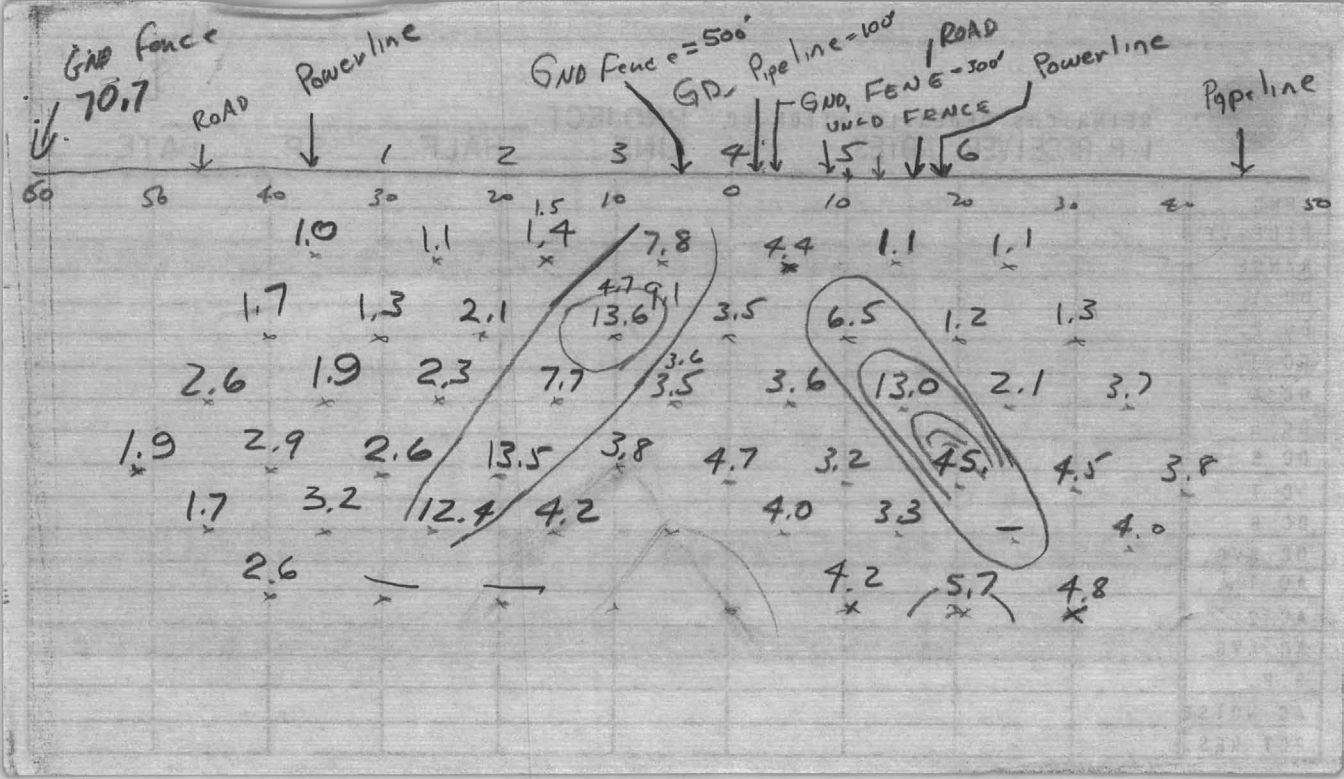
I.P. RECEIVER NOTES

PAGE 12

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 2 BEARING N30°W HALF N SP. 1 DATE 7-5-72

SEND	1-2		3-4							
RECEIVE	6-10N		70-80							
MULT.										
PFE										
3	8.75		13.4							
1	3.3		2.0							
0.3	10.5		3.5							
0.1	18.7		4.5							
Dev.	0.8		0.3							
PFE Avg.										
AC										
DRIFT										
S.P.										
AC NOISE										
POT RES.										


Gnd Fence
70.7
ROAD
Powerline
GND Fence = 500'
GD. Pipeline = 100'
ROAD
GND. FENCE - 300'
UNGD FENCE
Powerline
Pipeline
1
2
3
4
5
6
60
50
40
30
20
1.5
10
0
10
20
30
40
50
1.0
1.1
1.4
7.8
4.4
1.1
1.1
1.7
1.3
2.1
4.7
13.6
9.1
3.5
6.5
1.2
1.3
2.6
1.9
2.3
7.7
3.6
3.5
3.6
13.0
2.1
3.7
1.9
2.9
2.6
13.5
3.8
4.7
3.2
4.5
4.5
3.8
1.7
3.2
12.4
4.2
4.0
3.3
—
4.0
2.6
—
—
4.2
5.7
4.8

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 2 HALF N SP. 1 DATE 5-7-71

PAGE 1

SEND	CAL	3-4	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	3-4	1-2	0-10N	→	10-20N	→	→	20-30N	→	→
RANGE	10X200	20X500		*	20X500	20X500	20X400	20X400	20X500	20X500
VOLTAGE	200	340	370	450	340	390	450	460	340	380
CURRENT	2A	10A	10A	8A	10A	10A	8A	8A	10A	10A
SEND	1-2	5-6	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3
RECEIVE	20-30N	30-40N	→	→	→	→	40-50N	→	→	→
RANGE	20X400	20X300	20X400	20X500	20X500	20X400	20X300	20X400	20X500	20X500
VOLTAGE	450	470	460	340	380	440	470	460	340	380
CURRENT	8A	6A	8A	10A	10A	8A	6A	8A	10A	10A

FREQUENCIES 1 0.1

SENDER NO. 23706 S

OPERATOR SWANSON

RECEIVER NO. 20693 R

OPERATOR FREEMAN

COMMENTS: * 1 HZ + .3 HZ

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 2 HALF N SP. 1 DATE 5-7-71

SEND	1-2	5-6	4-5	3-4	2-3	5-6	4-5	3-4		
RECEIVE	40-50 N	50-60	N →	→	→	60-70 N	→	→		
RANGE	20X400	20X300	20X400	20X500	20X300	20X300	20X400	20X500		
VOLTAGE	440	460	460	330	380	460	460	340		
CURRENT	8A	6A	8A	10A	10A	6A	8A	10A		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 1 0.1

SENDER NO. 23706 S

OPERATOR SWANSON

RECEIVER NO. 20693 R

OPERATOR FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 2 HALF 5 SP. 1 DATE 5-1-71

SEND	CAL	S.P.	S.P.	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	4-5	0-10s	10-20s	20-30	→	→	→	30-40	s →	→
RANGE	10X200				20X500	20X400	20X300		20X500	20X300
VOLTAGE	170				320	460	460		380	340
CURRENT	2A				10A	8A	6A		10A	10A
SEND	4-5	5-6	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	30-40	→	40-50	→	→	→	→	50-60	→	→
RANGE	20X400	20X300	20X400	20X500	20X500	20X400	20X300	20X400	20X500	20X500
VOLTAGE	460	460	430	380	330	460	460	430	380	340
CURRENT	8A	6A	8A	10A	10A	8A	6A	8A	10A	10A

FREQUENCIES _____ _____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT_____

LINE____ HALF____ SP.____ DATE____

SEND	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE	50-60	60-70	→	→	→	70-80		*		
RANGE	20X400	20X400	20X500	20X500	20X400	20X400	20X500	20X500		
VOLTAGE	450	430	380	330	450	430	370	330		
CURRENT	8A	8A	10A	10A	8A	8A	10A	10A		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES____ ____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS: 3HZ · 3HZ ACSR

Job 626, Line 3 sp 1 N/2 5/11/71 1000.

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 3 BEARING N30°W HALF N SP. 1 DATE 5-11-71

SEND	3-4	3-4	4-5	5-6	4-5	5-6	5-6	S.P.	S.P.	4-5
RECEIVE	CAL	1-2	→	→	2-3	→	3-4	0-10N	10-20N	20-30N
MULT.	10	10	1.0	1.0	1.0	1.0	1.0			10
PFE	0.0	0.8	1.3	2.5	1.2	2.6	2.2			0.9
0.3 30N DC Mode	0.1									
C1&2	2.	10	8	6	8	6	—			8
1	1	1	2	3	4	5	6			7
2		1	2	3	1	2	1			1
PFE Avg.										
AC	201.	232.	42.7	12.7	148.	22.7	67.2			128.
DRIFT	0.0	—	—	—	—	—	—			—
S.P.								+6.9	+9.9	+5.2
AC NOISE	1.0									
POT RES.	0.1							5K	0.6K	0.5K

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 3 BEARING N30°W HALF N SP. 1 DATE 5-11-71

SEND	3-4	2-3	1-2	5-6	4-5	3-4	2-3	1-2	5-6	4-5
RECEIVE	20-30N	→	→	30-40N	→	→	→	→	40-50	N →
MULT.	1.0	1.0	0.1	10	1.0	1.0	1.0	0.1	1.0	1.0
PFE	2.5	2.9	2.5	1.1	1.9	3.8	4.1	3.3	1.9	3.1
CUM	10	8	—	6	8	10	8	—	6	—
#	8	9	10	11	12	13	14	15	16	17
7	2	3	4	1	2	3	4	5	2	3
PFE Avg.										
AC	37.2	13.9	9.68	118.	45.9	21.4	10.3	7.79	53.4	20.9
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.				+12.9					+4.1	
AC NOISE										
POT RES.				0.6K					2K	

* Generator quit @ 3-4 50-60 I.P. RECEIVER NOTES pipeline @ 70N

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 3 BEARING N30°W ± HALF N SP. DATE 5-11

SEND	3-4	2-3	1-2	5-6	4-5	3-4	2-3	5-6	4-5	3-4
RECEIVE	40-50	→	→	50-60	N →		→	60-69.5	—	—
MULT.	1.0	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1
PFE →	5.2	5.0	4.4	3.8	4.3	6.2	6.3	1.7	1.9	
DC	8.3-7.0	5.0-6.9				9.9-9.8				
0.1	9.4-3.1	6.3-5.3				6.2-9.3				
	9.9-3.4	6.9-6.9				7.4-7.0				
	9.2-3.2	4.3-9.0				9.6-4.0				
	6.2-8.6	7.4-8.5				5.0-12.5				
0.3	5.9-8.9	7.4-7.8				2.0-15.5				
DC	5.8-8.0	8.0-4.7				* 11.0 8.0				
	6.3-7.6	9.0-6.2				9.0 9.5				
PFE Avg.						8.5 10.0				
AC	14.7	7.93	6.33	13.8	8.62	4.95	3.13	9.04	6.96	3.90
DRIFT	—	—	—	—	—	—	—	—	—	
S.P.				+23.9				+7.9		
AC NOISE								STA. 70	≅ 50'	SHORT
POT RES.				2K				1.5K		

CUM 10 8 8 6 8 10 8 6 8 10

T16 626, Line 3, sec 1, S½ 5/11/71 1000.

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 3 BEARING N30°W ~ HALF 5 SP. 1 DATE 5-11-71

SEND	CAL	S.P.	S.P.	S.P.	2-3	3-4	4-5	5-6	1-2	2-3
RECEIVE	4-5	0-10s	10-40s	20-30s	30-40s	———	———	——→	40-50	——→
MULT.	10				10	1.0	1.0	0.1	10	1.0
PFE	0.1				1.3	1.6	2.2	2.7	1.3	1.8
CUR	2.				8	10	8	6	8	———
#	2				1	2	3	4	5	6
n					1	2	3	4	1	2
PFE Avg.										
AC	200.				181.	66.6	18.8	6.82	217.	44.1
DRIFT	0.0				—	—	—	—	—	—
S.P.		+8.1	132.5	+23.5	+23.3				-24.8	
AC NOISE	1.									
POT RES.	0.1	0.7K	0.6K	2K	2K				0.7K	

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 3 BEARING N30°W 538E HALF 5 SP. 1 DATE 5-11-71

SEND	3-4	4-5	5-6	1-2	2-3	3-4	4-5	5-6	1-2	2-3
RECEIVE	40-50	→	→	50-60	→	→	→	→	60-70	5 →
MULT.	1.0	1.0	0.1	10	1.0	1.0	0.1	0.1		
PFE	2.3	3.3	3.3	1.3	1.8	2.7	3.3	3.9		
COIL	10	8	6	8	→	10	8	6		
#	1	8	9	10	11	12	13	14		
n	3	4	5	2	3	4	5	6		
PFE Avg.										
AC	25.6	10.1	4.24	138.	35.0	21.7	9.35	4.16		
DRIFT	—	—	—		—	—	—	0.4		
S.P.				127.4						
AC NOISE								NOISY		
POT RES.				2K						

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT BAGDAD 626

LINE 3 BEARING S3.1°E HALF S SP. / DATE 5-11-71

SEND	3-4	4-5	1-2	2-3	3-4					
RECEIVE	60-70	→	70-80	S	→					
MULT.										
PFE										
PFE Avg.										
AC										
DRIFT										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 3 HALF N SP. 1 DATE 5-11-71

SEND	CAL	3-4	4-5	5-6	4-5	5-6	5-6	4-5	3-4	2-3
RECEIVE	3-4	1-2	→	→	2-3	→	3-4	20-30N	→	→
RANGE	10X200	20X500	20X400	20X300	20X400	20X300	20X300	20X400	20X500	20X400
VOLTAGE	130	390	440	440	440	440	410	430	390	440
CURRENT	2A	10A	8A	6A	8A	6A	6A	8A	10A	8A
SEND	1-2	5-6	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3
RECEIVE	20-30N	30-40	N →	→	→	→	40-50	N →	→	→
RANGE	20X400	20X300	20X400	20X500	20X400	20X400	20X300	20X300	20X500	20X400
VOLTAGE	500	410	430	390	420	500	410	350	390	440
CURRENT	8A	6A	8A	10A	8A	8A	6A	6A	10A	8A

FREQUENCIES 1 0.1

SENDER NO. 23706 S

OPERATOR SWANSON

RECEIVER NO. 20693 C

OPERATOR FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 3 HALF N SP. 1 DATE 5-11-72

SEND	1-2	5-6	4-5	3-4	2-3	5-6	4-5	3-4		
RECEIVE	40-50 N	50-60	N	→	→	60-70	N	→		
RANGE	20X400	20X300	20X400	20X500	20X400	20X300	20X400	20X500		
VOLTAGE	500	410	430	390	440	400	430	390		
CURRENT	8A	6A	8A	10A	8A	6A	8A	10A		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 1 0.1

SENDER NO. 23706 S

OPERATOR SWANSON

RECEIVER NO. 20693 R

OPERATOR FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 3 HALF S SP. 1 DATE 5-11-71

SEND	CAL	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	5-6
RECEIVE	4-5	30-40S	———	———	——→	40-50	———	———	———	——→
RANGE	10X200	20X400	20X500	20X400	20X300	20X400	20X400	20X500	20X400	20X300
VOLTAGE	140	420	390	420	430	490	440	380	420	420
CURRENT	2A	8A	10A	8A	6A	8A	8A	10A	8A	6A
SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	1-2
RECEIVE	50-60	———	———	———	——→	60-70 PS	———	———	——→	70-80S PS
RANGE	20X400	20X400	20X500	20X400	20X300					
VOLTAGE	490	420	380	420	420					
CURRENT	8A	8A	10A	8A	6A					

FREQUENCIES 1 0.1

SENDER NO. 23706 S

OPERATOR SWANSON

RECEIVER NO. 20693 R

OPERATOR FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BAGDAD 626

LINE 3 HALF 5 SP. 1 DATE 5-11-71

SEND	2-3	3-4								
RECEIVE	70-80	S →								
RANGE										
VOLTAGE										
CURRENT										
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 1 0.1

SENDER NO. 23706 S

OPERATOR SWANSON

RECEIVER NO. 20693R

OPERATOR FREEMAN

COMMENTS:

Job 626, Line 4, [redacted] Spl N½

6/14/71 500.

I.P. RECEIVER NOTES

51

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT 626-71

LINE 4 BEARING N HALF N SP. 1 DATE 6-14

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	3-4	4-5	→	5-6	→	→	6-7	→	→	→
MULT.	10.	1.0	1.0	1.0	1.0	1.0	10.	1.0	1.0	1.0
PFE 1.0										
.3	1.6	1.6	1.9	1.5	2.2	2.4	1.3	2.7	3.2	3.2
.1										
Cur	6	2	6	2	3	6	—	3	—	6
#	1	2	~~3~~ → 4		5	6	7	8	9	10
n	1	1	2	1	2	3	1	2	3	4
PFE Avg.	1.6	1.6	1.9	1.5	2.2	2.4	[illegible]			
AC	302.	84.1	74.5	53.1	31.4	25.2	115.	20.8	11.3	10.9
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.		−10.1		+9.6			+11.5			
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 62C-71

LINE 4 BEARING N HALF N SP. 1 DATE 6/14

SEND	CAL	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	3-4	15-20				→	20-25			
MULT.	10.	10.	1.0	0.1	0.1	0.1	1.0	1.0	1.0	0.1
PFE						1.5				
	-0.3	0.4	1.8	2.9	3.2	3.0	0.3	0.8	2.0	~~2.0~~
						4.8				3.3
CUR	2	6	—	3	—	6	3	4	—	3
#	11	12	13	14	15	16	17	18	19	20
n	—	1	2	3	4	5.	1	2	3	4
PFE Avg.	-0.3									
AC	19.2	109	30.3	8.64	5.41	5.80	72.7	46.5	19.2	~~9.63~~
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	~~0.0~~
S.P.		+4.3					+7.9			6.35
AC NOISE	3									0.0
POT RES.	0.3									

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO. PROJECT 626-71

LINE 4 BEARING N HALF N SP.1 DATE 6-14

SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5
RECEIVE	20-25	→	25-30	—	—	—	→	30-35	—	—
MULT.	0.1	0.1	1.0	1.0	0.1	0.1	0.1	1.0	0.1	0.1
PFE										
	3.6	3.2	0.4	1.0	2.2	3.4	3.6	0.3	1.1	2.1
CUR	3	6	3	6	—	3	—	6	—	—
#	21	22	23	24	25	26	27	28	29	30
n	5	6	2	3	4	5	6	3	4	5
PFE Avg.										
AC	4.38	4.93	18.2	17.8	8.69	3.25	2.31	13.4	7.53	4.14
DRIFT	+0.2	0.0	+0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.			+20.9					-13.4		
AC NOISE								POT STD	moved	back on
POT RES.								LINE		

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 626-71

LINE 4 BEARING N HALF N SP. 1 DATE 6-14

SEND	3-4	6-7	5-6	4-5						
RECEIVE	30-35	35-40	→	→						
MULT.	.01	1.0	0.1	0.1						
PFE										
	3.4	-0.1	0.5	1.7						
CUR	3	6	—	—						
#	31	32	33	34						
n	6	4	5	6						
PFE Avg.										
AC	10.10	12.8	8.28	4.99						
DRIFT	0.0	0.0	0.0	0.0						
S.P.				Stn	40.0'	≈ 20'	over	10'	water	pipe line
AC NOISE										
POT RES.										

Job 626 Line 4, 5 1/2

500,

HEINRICHS GEOEXPLORATION CO. PROJECT 626-71
I.P. RECEIVER NOTES LINE 4 HALF S SP. 1 DATE 6-75

SEND	CAL	CAL	4-3	3-2	2-1					
RECEIVE	4-5	4-5	S-P	S-P	S-P					
RANGE	10.	10.								
DC 1	0.0	-0.2								
DC 2	-0.1	-0.3								
DC 3	+0.2	-0.1								
DC 4										
DC 5		2.0								
DC 6		2								
DC 7										
DC 8										
DC AVG.										
AC 1	194.	193.								
AC 2	+0.4	0.0								
AC AVG.										
S.P.		3.0	+8.1	-3.1	+6.2					
AC NOISE		0.3								
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 626-71

LINE 4 BEARING 5 HALF 5 SP. 1 DATE 6-15

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	15-20S	—	—	—	→	20-25S	—	—	—	—
MULT.	10,	1.0	1.0	1.0	0.1	10.	1.0	1.0	1.0	1.0
PFE										
	0.8	2.0	2.2	2.7	3.0	0.6	1.1	2.2	2.6	3.2
CUR	2	—	6	—	—	9	2	—	6	—
#	1	2	3	→ 4	5	6	7	8	9	10
n	1	2	3	4	5	1	2	3	4	5
PFE Avg.										
AC	187.	34.4	34.3	14.0	7.00	664.	64.0	19.2	23.3	10.6
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	+3.7					+3.8				
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 7

HEINRICHS GEOEXPLORATION CO. PROJECT 626-71

LINE 4 BEARING S HALF S SP. 1 DATE 6-15

SEND	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5
RECEIVE	20-25	25-30	—	—	—	→	30-35	—	—	→
MULT.	0.1	1.0	1.0	0.1	0.1	0.1	1.0	1.0	0.1	0.1
PFE	1.6									
	3.4	1.5	1.7	2.8	3.1	3.5	1.8	1.9	2.8	3.1
	4.8									
CUR	—	—	2 —	—	6 —	—	—	2 —	—	6
#	11	12	13	14	15	16	17	18	19	20
n	6	2	3	4	5	6	3	4	5	6
PFE Avg.										
AC	5.91	84.6	17.2	5.85	7.94	3.91	67.0	15.1	6.17	8.14
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.		+10.4					+8.2			
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 626-71
LINE 4 HALF S SP. 1 DATE 6-15

SEND	1-2	2-3	3-4							
RECEIVE	35-40	→	→							
RANGE	1.0	1.0	0.1							
DC 1										
DC 2	1.8	2.1	2.9							
DC 3										
DC 4 CUR	—	2	—							
DC 5 #	21	22	23							
DC 6 #	4	5	6							
DC 7										
DC 8										
DC AVG.										
AC 1	44.6	10.7	4.57							
AC 2	+0.2	0.0	0.0							
AC AVG.										
S.P.	+2.8									
AC NOISE										
POT RES.										

N 10° W

PAGE 1

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Bagdad 626

LINE 4 HALF N SP. 1 DATE 6/14

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	3-4	4-5	——	5-6	——	——	10-15N	——	——	——
RANGE										
VOLTAGE	360	680	360	640	1000	360	475	960	1000	360
CURRENT	6.0	2.0	6.0	2.0	3.0	6.0	6.0	3.0	3.0	6.0
SEND	Cal	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	3-4	15-20N	——	——	——	—→	20-25N	——	——	—→
RANGE										
VOLTAGE	625	400	320	975	1000	360	180	400	300	960
CURRENT	2.0	6.0	6.0	3.6	3.0	6.0	3.0	6.0	6.0	3.0

FREQUENCIES 3.0 0.3

SENDER NO. 6644S

OPERATOR Upham - 51

RECEIVER NO. 25705

OPERATOR Hix

COMMENTS:

N 10°W

PAGE 2

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Bagdad #626

LINE 4 HALF N SP. 1 DATE 6/14

SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3			
RECEIVE	20-25N →		25-30N →							
RANGE										
VOLTAGE	1000	340	180	380	300	945	1000			
CURRENT	3.0	6.0	3.0	6.0	6.0	3.0	3.0			
SEND	6-7	5-6	4-5	3-4	6-7	5-6	4-5			
RECEIVE	30-35N →				35-40 N.					
RANGE										
VOLTAGE	340	380	300	940	340	390	305			
CURRENT	6.0	6.0	6.0	3.0	6.0	6.0	6.0			

FREQUENCIES 3.0 0.3

SENDER NO. 6644S

OPERATOR Upham - 51

RECEIVER NO. 25705

OPERATOR Hix

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 626
LINE 4 HALF S SP. 1 DATE 6-15

SEND	Cal	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	4-5	15-20S					20-25			
RANGE	Hi	Hi	LO	Hi	Hi	Hi	Hi	LO	LO	Hi
VOLTAGE	100	720	700	340	700	360	440	720	700	340
CURRENT	2.0	2.0	2.0	6.0	6.0	6.0	9.0	2.0	2.0	6.0

SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE			25-30					30-35		
RANGE	Hi	Hi	Hi	LO	LO	Hi	Hi	Hi	LO	LO
VOLTAGE	400	360	280	720	700	340	400	280	700	700
CURRENT	6.0	6.0	6.0	2.0	2.0	6.0	6.0	6.0	2.0	2.0

FREQUENCIES 3.0 6.3
SENDER NO. 6644-5
OPERATOR Koehler
RECEIVER NO. 25705
OPERATOR HK

COMMENTS:
* - Freq - 1.0 - .3 - .1

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 626

LINE 4 HALF S SP. 1 DATE 6/15

SEND	4-5	1-2	2-3	3-4						
RECEIVE	30-35	35-40								
RANGE	Hi	Hi	LO	LO						
VOLTAGE	320	280	700	700						
CURRENT	6.0	6.0	2.0	2.0						
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO. 6644

OPERATOR Koehler

RECEIVER NO. 25705

OPERATOR Hix

COMMENTS:

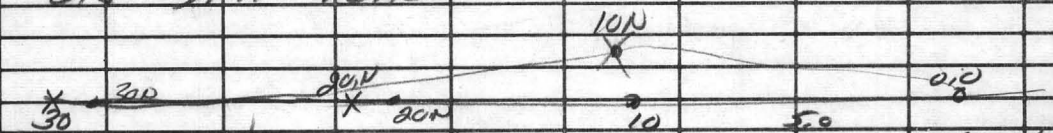
I.P. RECEIVER NOTES

PAGE 5

HEINRICHS GEOEXPLORATION CO. PROJECT 626-71

LINE 4 BEARING ____ HALF ____ SP. ____ DATE ____

SEND										
RECEIVE										
MULT.										
PFE										
	STA. 10.N LINE 4 ≈30' W of ℄ 10' South of									
	Old STA 10.N									
PFE Avg.										
AC	STA 20.N ON LINE BUT ≈10' S of ON 20N									
DRIFT	STA 30N. ON LINE BUT ≈30' S of Old 30N									
S.P.										
AC NOISE										
POT RES.										



HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 626-7

LINE ____ HALF ____ SP. ____ DATE ____

PAGE 9/10

SEND										
RECEIVE										0.0
RANGE		20S		15.5		10.5		5.0 S		
DC 1			on Gr. Mag Part				5.0 S off LINE 20' EAST			
DC 2			fence							
DC 3										
DC 4										
DC 5										
DC 6							30S			
DC 7							30.5 ON LINE 20' SHORT			
DC 8										
DC AVG.										
AC 1										
AC 2										
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

Job 626, Line 5, 58 / NE ½

4/12/71 1000.