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LINE 1 SCALE 2

BASE - 3500'W	105	14:22
3600'W	105	14:23
3700'W	102	14:24
3800'	105	14:25
3900'W	105	14:26
4000'W	105	14:27
3400'W	100	14:32
3300'W	115	14:33
3200'W	125	14:34
3100'W	100	14:35
3000'W	90	14:36
2900'W	90	14:37
2800'W	115	14:37
2700'W	107	14:38
2600'W	75	14:40
2500'W	85	14:41

SPR.	READING	TIME
2400'W	95	14:42
2300'W	87	14:43
2200'W	97	14:44
2100'W	110	14:45
2000'W	95	14:46
1900'W	100	14:46
1800'W	105	14:47
1700'W	130	14:48
1600'W	82	14:49
1500'W	90	14:50
1400'W	100	14:50
1300'W	90	14:51
1200'W	90	14:52
1100'W	95	14:53
1000'W	90	14:54
900'W	90	14:55

STA	Reading	Time
800'W	75	14:55
700'W	85	14:56
600'W	85	14:57
500'W	90	14:57
400'W	80	14:58
300'W	85	14:59
200'W	90	15:00
100'W	97	15:01
0/0	90	15:03
100'E	90	15:03
200'E	90	15:04
300'E	85	15:05
400'E	90	15:05
500'E	90	15:06
600'E	95	15:07
700'E	90	15:07
800'E	95	15:08

STA	READING	TIME
900 E	90	15:09
1000 E	90	15:09
1100 E	90	15:10
1200 E	87	15:11
1300 E	90	15:12
1400 E	85	15:13
1500 E	80	15:13
1600 E	90	15:14
1700 E	95	15:15
1800 E	95	15:15
1900 E	90	15:16
2000 E	95	15:16
2100 E	97	15:18
2200 E	100	15:19
2300 E	80	15:20
2400 E	92	15:20
2500 E	100	15.21

2600' E	75	15:22
2700'	110	15:27
2800'	107	15:28
2900'	102	15:29
3000' E	95	15:31
3100' W	105	15:33
3200' W	102	15:35
3300' W	110	15:35
3400' W	110	15:36
3500' W	85	15:38
3600' W	erratic gradient here 0, 55, 80, 110, 105, 0	15:42
3700' E	100	15:44
3800' E	55	15:44
3900' E	82	15:45
4000' E	105	15:46
BASE.	102	15:17

LINE 2 Scale 1

	Re		
STA 0	+125	47	12:15
100' W	+160	60	12:16
200' W	+160	60	12:18
300' W	+155	58	12:18
400' W	+210	78	12:19
500' W	+125	47	12:20
600' W	+180	67	12:21
700' W	+190	71	12:22
800' W	+200	75	12:23
900' W	+205	77	12:24
1000' W	+220	82	12:27
1100' W	+225	84	12:28
1200' W	+235	88	12:30
1300' W	+230	86	12:31
1400' W	+230	86	12:32
1500' W	+230	86	12:32

5 or 125.0 full scale

(9,9) 10.

29

98

413

STA	Reading Scale 1	Scale 2	Time
1600' W	+245	(90)	12:34
1700' W	250	(90-95)	12:38
1800' W		95	12:39
1900' W		95	12:42
2000' W		95	12:44
2100' W		95	12:45
2200' W		100	12:46
2300' W		97	12:47
2400' W		100	12:48
2500' W		100	12:49
2600' W		100	12:50
2700 W		100	12:51
2800' W		100	12:52
2900' W		102	12:53
3000' W		102	12:54

Scale 2

3100'W	105	12:55
3200'W	105	12:56
3300'W	105	12:57
3400'W	105	12:57
3500'W	105	12:58
3600'W	100	12:59
3700'W	105	13:01
3800'W	107	13:02
3900'W	105	13:03
4000'W	105	13:04
BASE	125	13:18

Scale 1

LINE 2

STA.	READING	TIME
BASE = 0/0	+45	10:58
100'E	30	59
200E	55	11:00
300E	45	11:02
400E	52	03
500E	55	04
600E	57	05
700E	−15	05
800E	(55)+ 90 (47)	06
900E	62	08
1000E	60	09
1100E	63	10
1200E	63	10
1300E	70	11
1400E	77	12
1500E	80	13

LINE 2 E. . .

STA.	READING	TIME
1600	+80	11:18
1700	82	19
1800	85	20
1900	85	20
2000	88	21
2100	85	22
2200	83	23
2300	83	23
2400	83	24
2500	90	25
2600	110	25
2700	103	26
2800	105	27
2900	95	28
3000	75	11:30

LINE 2 E

STA.	READING	TIME
3100	65	11:31
3200	60	32
3300	80	33
3400	70	34
3500	80	35
3600	80	37
3700	90	39
3800	78	42
3900	70	43
4000	65	44
BASE	45	12:08
1500	80	12:00

LINE 3 1.

STA	READING	TIME
(15 W Base)		1:04
1500	100	1:04
1400	98	1:05
1300	98	1:06
1200	100	1:06
1100	100	1:07
1000	100	1:08
900	100	1:09
800	100	1:10
700	98	1:11
600	100	1:12
500	100	1:13
400	100	1:15
300	102	1:15
200	102	1:16
100	102	1:17

LINE 3 W-E

STA	READING	TIME
0 (EAST)	103	1:18
100	102	19
200	100	20
300	110	20
400	65 (80)	21
500	70	22
600	95	23
700	90	24
800	90	24
900	90	25
1000	75	26
1100	82	26
1200	62	27
1300	70	28
1400	80	29
1500	75	1:30

LINE 3 E

STA	READING	TIME
1600	75	1:36
1700	75	37
1800	75	40
1900	55	41
2000 P	30	42
2100	80 LO MOV. 47	43
2200	95	45
2300	125	46
2400	85	48
2500 P	92	49
2600	107	51
2700	107	52
2800	105	53
2900	100	55
3000 P	90	56

LINE 3 E

STA	READING	TIME
3100	80	1:58
3200	90	59
3300	87	2:00
3400	102	01
3500 P	98	03
3600	105	05
3700	107	07
3800	102	08
3900	105	2:10
4000 P	100	2:11
1500 WEST (BASE)	100	3:00

I.P. RECEIVER NOTES

PAGE

HEINRICHS GEOEXPLORATION CO. PROJECT 704 MAGNETICS

LINE 3 BEARING ____ HALF ____ SP. ____ DATE ____

SEND										
RECEIVE										
MULT.										
PFE										
STA	BASE	40 W	39 (short)	38	37	36	35	34	33	32
READING	95	100	97	101	99	96	97	96	98	96
x5	100	105	102	106	104	101	102	101	103	101
TIME	1:32	3:16	3:17	3:18	3:19	3:20	3:21	3:26	3:27	3:29
PFE Avg.	31	30	29	28	27	26	25	24	23	22
AC										
DRIFT	93	94	96	97	96	95	94	97	97	97
S.P.	98	99	101	102	101	100	99	102	102	102
AC NOISE	3:30	3:31	3:32	3:33	3:34	3:35	3:36	3:37	3:38	3:40
POT RES.										

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO.

PROJECT 704 - MC

LINE 3 BEARING _____ HALF W SP. _____ DATE 4/17/7

SEND							(BASE)			
RECEIVE	21	20	19	18	17	16	15			
MULT.										
PFE	94	93	92	94	94	92	95			
	99	98	97	99	99	97	100			
	3:42	3.43	3:44	3:45	3:45 22	3:46	3.47			
PFE Avg.										
AC										
DRIFT										
S.P.										
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO.

PROJECT 704 - MAG. LINE 4

LINE 4 BEARING _____ HALF ~~S~~ W SP. _____ DATE 4/18/78

SEND										
RECEIVE			MAGNETITE		FLOAT					
MULT.		VERY WINDY								
PFE										
STATION	BASE	10 W	9	8	7	6	5	4	3	2
	IN ROAD				200					
READING	118	76	64	~~18~~ 12	2,78	97	47	70	27	65
				7 24	52,45					
TIME	~~2:34~~	2:41	2:42	2:43	2:45	2:48	2:49	2:50	2:51	2:52
	2:37									
	← S80W		→ N60E							
STATION	1	0	1E	2	3	4	5	6	7	8
PFE Avg.										
~~AC~~ READING	2:54	52	103	107	94	103	126	143	138	136
DRIFT										
S.P. TIME	97 K	2:55	2:58	2:59	3:00	3:01	3:02	3:03	3:04	3:05
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT MAG LINE 4

LINE 4 BEARING N60E HALF E SP. DATE 1/8/

SEND										
RECEIVE		→ N 60 E			OUTCROP					
MULT.					INTRUSIVE					
PFE STA	9	10	11	12	13	14	15	16	17	18
READING	132	162	183	118	125	152	128	103	126	140
TIME	3:06	3:08	3:09	3:10	3:11	3:12	3:15	3:19	3:20	3:22
STA	19	20	21	22	23	24	25	26	27	28
PFE Avg.			198,157							
AC READ	130	138	225	127	141	160	145	127	124	139
DRIFT										
S.P. TIME	3:24	3:25	3:27	3:29	3:30	3:31	3:33	3:34	3:35	3:37
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO.

PROJECT MAG LINE 4 MONT CANYON

LINE 4 BEARING _____ HALF E SP. _____ DATE 2/18/

SEND										
RECEIVE										
MULT.										
PFE STA	29	30	31	32	33	34	35	36	37	38
READ	141	141	76, 87	138	131	129	135	133	130	130
TIME	3:40	3:41	3:43	3:44	3:45	3:46	3:47	3:49	3:52	3:53
				BASE						
STA	39	40		ON						
PFE Avg.										
AC READ	130	129		117						
DRIFT										
S.P. TIME	3:55	3:56		4:47						
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE

HEINRICHS GEOEXPLORATION CO. PROJECT _____

LINE _____ BEARING _____ HALF _____ SP. _____ DATE _____

SEND										
RECEIVE										
MULT.										
PFE STA	10	11	12	13	14	15	16	17	18	19
READ	65	80	85	98	112	115	90	127	135	135
TIME	4:09	4:08	4:06	4:05	4:04	3:50	3:51	3:52	3:53	3:55
STA	20		BASE	BASE						
PFE Avg.										
AC READ	137		120	115						
DRIFT										
S.P. TIME	3:57		3:49	4:14						
AC NOISE										
POT RES.										

Receiver # 25705

I.P. RECEIVER NOTES

PAGE 1

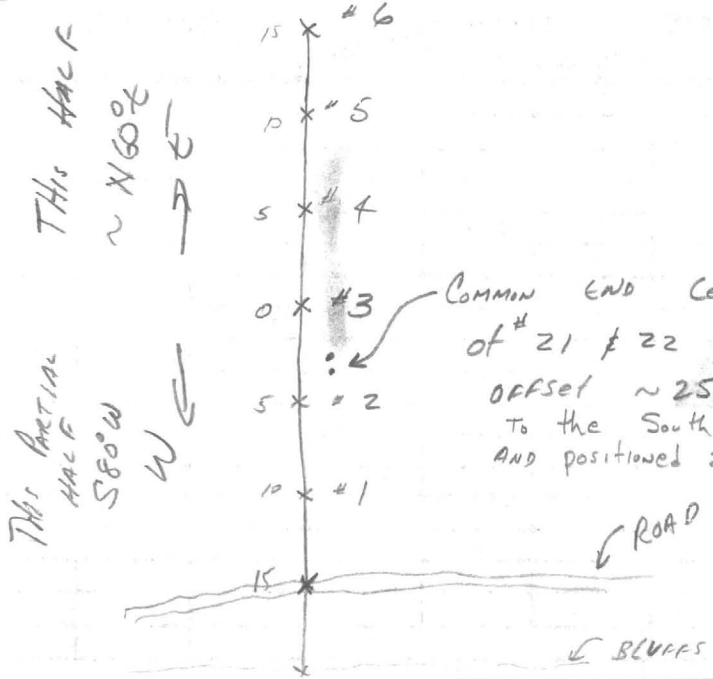
HEINRICHS GEOEXPLORATION CO. PROJECT # 704 MONTOSA CANYON

LINE 4 BEARING N80°E HALF E SP. 1 DATE 4-1972

SEND	(CAL)	3-4	4-5	5-6	4-5	5-6	5-6	S.P.	S.P	S.P
RECEIVE	3-4	1-2	→		2-3	→	3-4	0-5E	5-10	10-15
MULT.	10	10	10	1.0	10	10	10			
PFE	-0.2	0.9	0.5	0.9	0.2	0.4	0.4			
ρ		390	421	358	259	217	99			
MCF		2.8	1.7	3.1	1.5	2.8	6.1			
Cw	2	2.5	3	3	3	3	3			
# i	1	1	2	3	4	5	6			
n		1	2	3	1	2	1			
Kn		1.5	6	15	1.5	6	1.5			
PFE Avg.										
AC	203.	649.	211.	71.5	522.	109.	199.			
DRIFT	—	—	—	—	—	—	—			
S.P.	3.0							+3.7	+15.7	+18.7
AC NOISE	0.3									
POT RES.								10 K	30 K	50 K

LINE 4

DETAILS



I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT #704 Montosa Canyon

LINE 4 BEARING N80°E HALF E SP. 1 DATE 4-19-74

SEND	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3	1-2	5-6
RECEIVE	15-20c	→	→	→	20-25	→	→	→	→	25-30
MULT.	10	1.0	1.0	1.0	10	1.0	1.0	1.0	1.0	10
PFE	1.1	1.3	1.3	1.7	1.9	1.5	1.9	1.6	2.1	1.3
ρ	192	131	307	493	220	128	109	233	346	324
MIF	6.8	11	4.9	3.9	9.5	13	19	7.7	6.7	4.6
Rm	3	2.5	2	2	3	3	2.5	2	2	3
Z	7	8	9	10	11	12	13	14	15	16
n	1	2	3	4	1	2	3	4	5	2
Kn	1.5	6	15	30	1.5	6	15	30	52.5	6
PFE Avg.										
AC	382.	54.3	40.7	32.6	436.	63.6	18.0	15.4	13.0	161.
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.	+27.4				+4.1					+32.5
AC NOISE										
POT RES.	180 K				120 K					320 K

Best we could do

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO. PROJECT 70K Montosh Canyon

LINE 4 BEARING N 80°E HALF E SP. 1 DATE 4-15-72

SEND	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3	5-6	4-5
RECEIVE	25-30	→	→	→	30-35	→	→	→	35-40	→
MULT.	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.1	1.0	1.0
PFE	1.0	1.4	1.3	1.9	1.3	1.0	1.2	0.8	1.2	1.0
ρ	200	164	327	471	281	185	156	306	462	295
mcf	6.0	9.7	4.6	4.5	5.3	6.5	9.0	3.3	3.0	4.1
lin	3	2.5	2	2	3	3	2.5	2	3	3
#	17	18	19	20	21	22	23	24	25	26
n	3	4	5	6	3	4	5	6	4	5
K_a	15	30	52.5	84	15	30	52.5	84	30	52.5
PFE Avg.										
AC	39.9	13.6	12.4	11.1	55.9	18.5	7.41	7.28	46.0	16.8
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.					+7.2				-0.7	
AC NOISE										
POT RES.					200K				9K	

I.P. RECEIVER NOTES

PAGE 4

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Monroe Canyon

LINE 4 BEARING 080°E HALF C SP. 1 DATE 4-15-76

SEND	3-4									
RECEIVE	35-40									
MULT.	0.1									
PFE	1.1									
ρ	251									
MCF	5.2									
ρm	2.5									
#	27									
n	6									
Km	84									
PFE Avg.										
AC	7.44									
DRIFT										
S.P.										
AC NOISE										
POT RES.										

PROBLEMS AT SENDER

I.P. RECEIVER NOTES

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HEINRICHS GEOEXPLORATION CO. PROJECT 704 MONTOSA CAN

LINE 4 BEARING S80°W HALF W SP. 1 DATE 4.19.72

SEND	CAL	S.P.	S.P.	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	3-4	0-5W	5-10W	10-15	W	→	→	15-20	→	→
MULT.	10			10	10	~~10~~ 1.0	1.0	10	1.0	1.0
PFE	-0.2			1.4	1.3	1.2	1.4	0.9	0.4	0.3
ρ				430	357	459	383	112	161	156
MCF				3.7	4.2	3.1	4.2	9.8	3.7	3.2
lin				2	2.5	3	3	2	2	2.5
#				28	29	30	31	32	33	34
n				1	2	3	4	1	2	3
Ko				1.5	6	15	30	1.5	6	15
PFE Avg.										
AC	20%.			570.	148.	91.4	38.1	149.	54.0	26.1
DRIFT	—			—	—	—	—	—	—	—
S.P.		+18.4	+12.9	+16.2				+20.0		
AC NOISE										
POT RES.		10K	8K	6K				30K		

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 704 MONTOSA (Austin)

LINE 4 BEARING S 80° W HALF W SP. 1 DATE 4-19-72

SEND		4-5	5-6							
RECEIVE		15-20	→							
MULT.		1.0	0.1							
PFE		0.1	0.4							
C		165	149							
MCF		1.8	4.0							
Lin		4	3.5							
#		35	36							
n		4	5							
Kn		30	52.5							
PFE Avg.										
AC		22.1	10.							
DRIFT		—	—							
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT MONTOSA CONYON

LINE 4 HALF E SP. 1 DATE 4-19-72

PAGE 1

SEND	CAL	3-4	4-5	5-6	4-5	5-6	5-6	4-5	3-4	2-3
RECEIVE	3-4	→	→	→	2-3	→	3-4	15-20	→	→
RANGE	10X200	10X250	10X300	10X300	10X300	10X300	10X300	10X300	10X250	10X200
VOLTAGE	310	385	310	355	310	355	355	310	385	460
CURRENT	2A	2½	3 A	3 A	3 A	3 A	3 A	3 A	2½A	2A
SEND	1-2	5-6	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3
RECEIVE	15-20	20-25	→	→	→	→	25-30	→	→	→
RANGE	10X200	10X300	10X300	10X250	10X200	10X200	10X300	10X300	10X250	10X200
VOLTAGE	630	355	310	385	460	630	355	310	385	460
CURRENT	2A	3A	3A	2½	2A	2A	3A	3A	2½	2A

FREQUENCIES 3 .3

SENDER NO. 176915

OPERATOR K RITCHIE

RECEIVER NO. 25705

OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT MONTOSA CANYON
LINE 4 HALF E SP. 1 DATE 4-19-72

SEND	1-2	5-6	4-5	3 4	2-3	5-6	4-5	3-4		
RECEIVE	25-30	30-35	—	—	—	35-40	—	—		
RANGE	10X200	10X300	10X300	10X250	10X200	10X300	10X300	10X250		
VOLTAGE	630	350	310	385	460	350	310	385		
CURRENT	2A	3A	3A	2 1/2	2A	3A	3A	2 1/2		
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 .3
SENDER NO. 17691 S
OPERATOR K RITCHIE
RECEIVER NO. 25705
OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT MONTOSA CANYON

LINE 4 HALF E SP. 1 DATE 4-18-72

PAGE 3

SEND	CAL	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	5-6
RECEIVE	3-4	15-20	—	—	—	20-25	—	—	—	—
RANGE	10X200	10X200	10X250	10X300	10X300	10X200	10X200	10X250	10X400	10X350
VOLTAGE	300	460	370	300	350	620	450	370	400	400
CURRENT	2A	2A	2½	3.0	3.0	2.0	2.0	2.5	4.0	3.5
SEND	1-2	2-3	3-4	4-5	5-6					
RECEIVE	25-30									
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 .3

SENDER NO. 176915

OPERATOR K RITCHIE

RECEIVER NO. 25705

OPERATOR W FREEMAN

COMMENTS: BLOWN FUSE!

Job 704, Line 1, Spread 1, W+E½, 4/11/72 500.

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT #704 MONTOSA CANYON

LINE 1 BEARING S75°W HALF W SP. 1 DATE 4-11-72

SEND	CAL	3-4	4-5	5-6	6-7	4-5	5-6	6-7	5-6	6-7
RECEIVE	3-4	1-2	→	→	→	2-3	→	→	3-4	→
MULT.	10	10	10	10	1.0	10	10	10	10	10
PFE	-0.3	0.4	0.4	0.5	0.6	0.4	0.4	0.5	0.3	0.3
Cur	2	3.33	7	7	9	7	—	9	7	9
#	1	1	2	3	4	5	6	7	8	9
n		1	2	3	4	1	2	3	1	2
PFE Avg.										
AC	193.	759.	405.	160.	94.5	949.	312.	167.	665.	287.
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.	3.0									
AC NOISE	0.3									
POT RES.										

20693

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Montana Canyon

LINE 1 BEARING S 75°W HALF W SP. 1 DATE 4-11-72

SEND	6-7	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	4-5	15-20 W	→	→	→	→	20-25	→	→	→
MULT.	10	10	10	10	1.0	1.0	1.0	1.0	1.0	1.0
PFE	0.4	0.3	0.3	0.2	0.3	0.3	0.6	0.6	0.4	0.5
Cum	9	2.33	3	7	—	9	1.5	2.33	—	7
#	10	11	12	13	14	15	16	17	18	19
n	1	1	2	3	4	5	1	2	3	4
PFE Avg.										
AC	772.	242.	151.	152.	72.0	46.5	63.5	38.2	26.0	38.4
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.										
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Montosa Canyon

LINE 1 BEARING S75°W HALF W SP. 1 DATE 4-11-72

SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	20-25	→	35-30	—	—	—	—	30-35	W	→
MULT.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	0.5	0.5	~~0.6~~	0.4	0.4	0.4	0.5	0.4	0.4	0.4
			0.5							
Pm	7	9	1.5	2.33	—	7	—	1.5	2.33	—
#	20	21	22	23	24	25	26	27	28	29
n	5	6	2	3	4	5	6	3	4	5
PFE Avg.			33.9							
AC	20.3	14.3	~~26.9~~	27.1	20.0	32.2	18.1	31.9	29.3	23.1
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.										
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Montosa Canyon

LINE 1 BEARING S75°W HALF SW SP. 1 DATE 4-1-72

SEND	4-5	1-2	2-3	3-4						
RECEIVE	30-35	35-40	→							
MULT.	1.0	1.0	1.0	1.0						
PFE	0.5	0.5	0.8	0.8						
					1 Hz	10.6 mv.	or 0.2	PFE		
					0.1 Hz	0.8 PFE				
lm	7	1.5	2.33	—						
#	30	31	32	33						
n	6	4	5	6						
PFE Avg.										
AC	38.0	12.8	12.9	10.6						
DRIFT	—	—	—	—						
S.P.										
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Montana Canyon

LINE 1 BEARING S80°E HALF C SP. 1 DATE 4-11-74

SEND	CAL	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	6-7	15-20c	—			→	20-25	←	—	→
MULT.	10.	10	10	1.0	1.0	1.0	10	10	1.0	1.0
PFE	0.3	0.2	0.2	0.3	0.3	0.4	0.9	1.1	1.3	1.4
Cur		7	—	2.33	—	1.5	9	7	—	2.33
#		34	35	36	37	38	39	40	41	42
n		1	2	3	4	5	1	2	3	4
PFE Avg.										
AC	194.	568.	174.	38.0	26.4	10.7	624.	145.	60.4	16.1
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.										
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT #704 Montana Canyon

LINE 1 BEARING S80°E HALF E SP. 1 DATE 4-11-74

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.	1.0	0.1	10	1.0	1.0	1.0	0.1	1.0	1.0	1.0
PFE	1.8	1.9	0.3	0.4	0.6	0.8	0.8	0.8	0.9	1.1
Cur	—	1.5	9	7	—	3.33	2.33	9	7	—
#	43	44	45	46	47	48	49	50	51	52
n	5	6	2	3	4	5	6	3	4	5
PFE Avg.										
AC	11.8	4.92	126.	46.4	27.0	11.8	6.37	60.7	29.1	20.4
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.										
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 704

LINE 1 BEARING N 70°E HALF E SP. ____ DATE ____

SEND	3-4	6-7	5-6	4-5						
RECEIVE	30-35	35-40	←	→						
MULT.	0.1	1.0	1.0	1.0						
PFE	1.3	1.1	1.4	1.6						
				0.8	1 Hz					
				2.1	0.1 Hz					
Gm	3.33	9	7	—						
#	53	54	55	56						
n	6	4	5	6						
PFE Avg.										
AC	9.37	28.7	16.4	12.9						
DRIFT	—	—	—	—						
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

#704

PROJECT MONTOSA CANYON

LINE 1 HALF W SP. 1 DATE 4-11-72

PAGE 1

SEND	CAL	3-4	4 5	5-6	6-7	4-5	5-6	6-7	5-6	6-7
RECEIVE	3-4	1-2	—	—	—	2-3	—	—	3-4	→
RANGE	10X200	10X333	30X233	30X233	30X300	30X233	30X233	30X300	30X233	30X300
VOLTAGE	330	670	420	440	380	420	440	380	440	380
CURRENT	2A	4A 2.33	7A	7A	9A	7A	7A	9A	7A	9A
SEND	6-7	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	4-5	15-20	—	—	—	—	20-25	—	—	→
RANGE	30X300	30X233	10X300	30X233	30X233	30X300	10X150	10X233	10X233	30X233
VOLTAGE	380	410	480	410	415	380	980	400	380	410
CURRENT	9	3A 2.33	3A	7A	7A	9A	1.5	3A 2.33	3A 2.33	7A

FREQUENCIES 3 .3

SENDER NO. 66445

OPERATOR K RITCHIE

RECEIVER NO. Z0693-R

OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 Montro Canyon

LINE 1 HALF W SP. 1 DATE 4-11-22

PAGE 2

SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	20-25	—	25-30	—	—	—	—	30-35	—	→
RANGE	30X233	30X300	10X150	10X233	10X233	30X233	30X233	10X150	10X233	10X233
VOLTAGE	415	380	710	400	370	400	430	710	400	370
CURRENT	7A	9A	1.5 2A	3A 2.33	3A 2.33	7A	7A	2A 1.5	3A 2.33	3A 2.33
SEND	4-5	1-2	2-3	3-4						
RECEIVE	30-35	35-40	—	—						
RANGE	30X233	10X150	10X233	10X233						
VOLTAGE	400	720	400	360						
CURRENT	7A	1.5A	3A 2.33	3A 2.33						

FREQUENCIES 3 3

SENDER NO. 6644-S

OPERATOR K RITCHIE

RECEIVER NO. 20693-R

OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 MONTOSA CANYON

LINE 1 HALF E SP. 11 DATE 4-11-72

SEND	CAL	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	6-7	15-20	—	—	—	—	20-25	—	—	→
RANGE	10X200	30X233	30X233	10X233	10X233	10X150	30X300	30X233	30X233	10X233
VOLTAGE	80	420	400	360	390	700	380	420	400	360
CURRENT	2A	7A	7A	3A	3A	1.5	9A	7A	7A	3A
SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5
RECEIVE	—	—	25-30	—	—	—	—	30-35		
RANGE	10X233	10X150	30X300	30X233	30X233	10X233	10X233	30X300	30X233	30X233
VOLTAGE	390	700	380	420	400	520	380	370	420	390
CURRENT	3A	1.5	9A	7A	7A	4A	3A	9A	7A	7A

FREQUENCIES 3 3

SENDER NO. 6644 S

OPERATOR K RITCHIE

RECEIVER NO. 20693-R

OPERATOR W FREEDMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT MONTOSA CANYON

LINE 1 HALF E SP. 1 DATE 4/1/72

PAGE 4

SEND	3-4	6-7	5-6	4-5						
RECEIVE	30-35	35-40	——	——						
RANGE	10X333	30X300	30X233	30X233						
VOLTAGE	510	380	420	400						
CURRENT	4A	9A	7A	7A						
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES .2 .3

SENDER NO. 6644 S

OPERATOR K RITCHIE

RECEIVER NO. 20693-R

OPERATOR W FRAMAN

COMMENTS:

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Montosa Canyon

LINE 5 BEARING _____ HALF _____ SP. _____ DATE _____

SEND	CAL	3-4	4-5	4-5	S.P	S.P.	CAL	3-4	2-3	1-2
RECEIVE	1-2	1-2	→	2-3	0-15N	15-30N	4-5	15-30N	→	→
MULT.	10	10	10	10			10	10	10	1.0
PFE	0.1	0.7	0.9	0.8			0.1	1.1	1.1	1.1
PFE		0.6	0.8	0.7				1.0	1.0	1.0
ρ 3	202.	339	350	238				272	357	457
MCF 1	-0.2	1.8	2.3	2.9				3.7	2.8	2.2
0.3	-0.3									
0.1	-0.1									
K_n	—	4.5	18	4.5				4.5	18	45
I	2	6	8	8				6	6	4
PFE Avg.										
AC	202.	454.	156.	424.			201.	363.	119.	40.6
DRIFT		—	—	—				—	—	—
S.P.					+16.1	+3.0		+16.6		
AC NOISE										
POT RES.								-8		

PFE's ↑3.5-4.0 ↓0.4-0.6 } then stationary

I.P. RECEIVER NOTES

Receiver 20693-R DD

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Monroe Canyon

LINE 5 BEARING N 20° W HALF N SP. 1 DATE 12-1-72

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5	3-4
RECEIVE	45-60	→	→	→	60-75	→	→	→	75-90	→
MULT.	10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	1.2	0.8	1.1	1.5	1.3	1.1	1.3	1.4	1.5	0.7
Pfec	1.1	0.7	1.0	1.4	1.2	1.0	1.2	-1-41.3	1.4	0.6
ρ	219	294	322	440	301	346	334	454	273	~~194~~ 291
MCF	5.0	2.4	3.1	3.2	4.0	2.9	3.6	2.9	5.1	~~3.1~~ 2.1
K_a	4.5	18	45	90	18	45	90	157.5	45	90
I	6	6	6	4	6	6	6	4	6	6
PFE Avg.										
AC	292.	98.4	43.0	19.5	100.1	46.2	22.2	11.5	36.3	19.5
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.	+9.3				+10.4				+9.1	
AC NOISE										
POT RES.	-7				-3				-31	

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Montosa Canyon

LINE 5 BEARING N 20°W HALF N SP. 1 DATE 4-21-72

SEND	2-3	1-2	4-5	3-4	2-3				2-3	
RECEIVE	75-90	→	90-105	→	→				90-105	
MULT.	0.1	0.1	1.0	1.0	1.0					
PFE	1.1	1.2	1.6	1.6	1.7			3 Hz	10.8	
PFEC	1.0	1.1	1.5	1.5	1.6			1 Hz	2.7	
ρ	249	362	366	377	465			0.3 Hz	3.0	1-4
MCF	4.0	3.0	4.1	4.0	3.4			0.1 Hz	3.7	2-5
K_n	157.5	252	90	157.5	252					
I	6	4	6	6	6					
PFE Avg.										
AC	9.50	5.74	24.3	14.3	11.0					
DRIFT	—	—	—	—	—					
S.P.			+8.3							
AC NOISE										
POT RES.			-10							

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 MONTOSA CANYON

LINE 5 HALF N SP. 1 DATE 4-20-72

PAGE 1

SEND	CAL	3-4	4-5	4-5	3-4	2-3	1-2	4-5	3-4	2-3
RECEIVE	1-2	1-2	—	2-3	30-45	—	—	45-60	—	→
RANGE	10X200	20X300	20X400	20X400	20X300	20X300	20X300	20X300	20X300	20X300
VOLTAGE	200	420	450	450	420	460	380	360	420	465
CURRENT	2A	6A	8A	8A	6A	6A	4A	6A	6A	6A
SEND	1-2	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	4-5
RECEIVE	45-60	60-75	—	—	—	75-90	—	—	—	90-105
RANGE	20X200	20X300	20X300	20X300	20X200	20X300	20X300	20X300	20X200	20X300
VOLTAGE	380	360	420	465	375	350	430	465	375	360
CURRENT	4A	6A	6A	6A	4A	6A	6A	6A	4A	6A

FREQUENCIES 1 4.1

SENDER NO. 23706-S

OPERATOR K KITCHIE

RECEIVER NO. 20693 R

OPERATOR W FREEMAN

COMMENTS:

CAL
4-5
10X200
140
2A

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 MONDSA CANYON

LINE 5 HALF N SP. 1 DATE 4-21-22

SEND	3-4	2-3								
RECEIVE	90-105	—								
RANGE	30X300	20X300								
VOLTAGE	425	465								
CURRENT	6A	6A								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 1 .1

SENDER NO. 23706-S

OPERATOR K RITCHIE

RECEIVER NO. 20693 R

OPERATOR W FREEMAN

COMMENTS:

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT 704 - MONTOSA CANYON

LINE 5 BEARING S40E HALF S SP. 1 DATE 9/24/72

SEND	CAL	S.P.	S.P.	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	3-4	0-15s	15-30s	30-45s	→	→	45-60	→	→	→
MULT.	10			10	10	10	10	10	10	1.0
PFE	0.0			0.4	0.4	0.0	0.0	~~0.2~~	0.3	0.3
ρ				510	846	748	298	0.1	860	715
MCF				0.78	0.47	0.0	0.0	.627	0.35	0.42
								0.16		
I	2			4	6	8	4	6	6	8
K_n				4.5	18	45	4.5	18	45	90
PFE Avg.										
AC	203			458	285	135	269	212	116	64.3
DRIFT	—			—	—	—	—	—	+0.1	—
S.P.		-3.8	+7.7	+14.6			-37.2			-47.9
AC NOISE										
POT RES.				-15.5			-17.5			

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT 704 - MONTOSA CANYON

LINE 5 BEARING S40E HALF S SP. 1 DATE 4/24/72

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3
RECEIVE	60-75	→	→	→	75-90	→	→	→	90-105	
MULT.	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.1		
PFE	0.1	0.0	0.5	0.4	0.4	0.5	0.8	0.5		
ρ	248	323	506	475	150	192	252	229		
MCE	0.4	0.0	1.0	0.8	2.7	2.6	3.2	2.2		
I	4	6	6	8	4	6	6	8		
K_a	18	45	90	157.5	45	90	157.5	252		
PFE Avg.										
AC	55.8	43.7	34.1	24.4	13.5	12.9	96.8	73.3		
DRIFT	—	—	—	-0.1	—	-0.4	—	—		
S.P.	+21.7				+15.1			end of line		
AC NOISE										
POT RES.	-2.0				-12					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 704 MONTOSA CANYON

LINE 5 HALF 5 SP. 1 DATE 4-24-72

PAGE 1

SEND	CAL	2-3	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3
RECEIVE	3-4	30-45	5 →	→	45-60	→	→	→	60-75	→
RANGE	10x200	20x200	20x300	20x400	20x200	20x300	20x300	20x400	20x200	20x300
VOLTAGE	160	300	400	450	400	420	390	450	400	415
CURRENT	2.0	4.0	6.0	8.0	4.0	6.0	6.0	8.0	4.0	6.0
SEND	3-4	4-5	1-2	2-3	3-4	4-5	1-2	2-3	3-4	
RECEIVE	→	→	75-90	→	→	→	90-105	→	→	
RANGE	20x300	20x400	20x200	20x300	20x300	20x400				
VOLTAGE	390	450	400	420	390	450				
CURRENT	6.0	8.0	40	6.0	6.0	8.0				

FREQUENCIES 1 0.1

SENDER NO. 23706-S

OPERATOR ALLAN MORAN

RECEIVER NO. 20693-R

OPERATOR FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
POST OFFICE BOX 5964
TUCSON, ARIZONA (85703)
PHONE 623-0578

JOB 704 LINE 1 SPREAD 1 W+E1/2 4/11/72 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.30	193.000	0.00	3.00	.30	-.3000	1.0363

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	356.77	.70	2.0	.70	2.0	0.00	**	.40	3.33	1	1	759.000	0.00
2	2	362.25	.70	1.9	.70	1.9	0.00	**	.40	7.00	2	2	405.000	0.00
3	3	358.13	.80	2.2	.80	2.2	0.00	**	.50	7.00	3	3	160.000	0.00
4	4	329.36	.90	2.7	.90	2.7	0.00	**	.60	9.00	4	4	94.500	0.00
5	1	212.21	.70	3.3	.70	3.3	0.00	**	.40	7.00	5	1	949.000	0.00
6	2	279.07	.70	2.5	.70	2.5	0.00	**	.40	7.00	6	2	312.000	0.00
7	3	290.74	.80	2.8	.80	2.8	0.00	**	.50	9.00	7	3	167.000	0.00
8	1	148.55	.60	4.0	.60	4.0	0.00	**	.30	7.00	8	1	665.000	0.00
9	2	199.46	.60	3.0	.60	3.0	0.00	**	.30	9.00	9	2	287.000	0.00
10	1	134.27	.70	5.2	.70	5.2	0.00	**	.40	9.00	10	1	772.000	0.00
11	1	162.41	.60	3.7	.60	3.7	0.00	**	.30	2.33	11	1	242.000	0.00
12	2	314.83	.60	1.9	.60	1.9	0.00	**	.30	3.00	12	2	151.000	0.00
13	3	339.22	.50	1.5	.50	1.5	0.00	**	.20	7.00	13	3	152.000	0.00
14	4	321.68	.60	1.9	.60	1.9	0.00	**	.30	7.00	14	4	72.000	0.00
15	5	282.77	.60	2.1	.60	2.1	0.00	**	.30	9.00	15	5	46.500	0.00
16	1	66.40	.90	13.6	.90	13.6	0.00	**	.60	1.50	16	1	63.500	0.00
17	2	102.85	.90	8.8	.90	8.8	0.00	**	.60	2.33	17	2	38.200	0.00
18	3	174.67	.70	4.0	.70	4.0	0.00	**	.40	2.33	18	3	26.000	0.00
19	4	171.90	.80	4.7	.72	4.2	.08	**	.50	7.00	19	4	38.400	0.00
20	5	159.03	.80	5.0	.64	4.0	.16	**	.50	7.00	20	5	20.300	0.00
21	6	139.41	.80	5.7	.51	3.7	.29	**	.50	9.00	21	6	14.300	0.00
22	2	141.64	.80	5.6	.80	5.6	0.00	**	.50	1.50	22	2	33.900	0.00
23	3	182.06	.70	3.8	.70	3.8	0.00	**	.40	2.33	23	3	27.100	0.00
24	4	268.72	.70	2.6	.70	2.6	0.00	**	.40	2.33	24	4	20.000	0.00
25	5	252.01	.70	2.8	.62	2.5	.08	**	.40	7.00	25	5	32.200	0.00
26	6	226.88	.80	3.5	.65	2.9	.15	**	.50	7.00	26	6	18.100	0.00
27	3	332.88	.70	2.1	.70	2.1	0.00	**	.40	1.50	27	3	31.900	0.00
28	4	393.67	.70	1.8	.70	1.8	0.00	**	.40	2.33	28	4	29.300	0.00
29	5	543.15	.70	1.3	.70	1.3	0.00	**	.40	2.33	29	5	23.100	0.00
30	6	476.32	.80	1.7	.80	1.7	0.00	**	.50	7.00	30	6	38.000	0.00

31	4	267.41	.80	3.0	.80	3.0	0.00	**	.50	1.50	31	4	12.800	0.00
32	5	304.52	1.10	3.6	1.10	3.6	0.00	**	.80	2.33	32	5	12.900	0.00
33	6	400.36	1.10	2.7	1.10	2.7	0.00	**	.80	2.33	33	6	10.600	0.00
34	1	126.76	.50	3.9	.50	3.9	0.00	**	.20	7.00	34	1	568.000	0.00
35	2	155.32	.50	3.2	.50	3.2	0.00	**	.20	7.00	35	2	174.000	0.00
36	3	255.03	.60	2.4	.60	2.4	0.00	**	.30	2.33	36	3	38.000	0.00
37	4	354.36	.60	1.7	.60	1.7	0.00	**	.30	2.33	37	4	26.400	0.00
38	5	390.80	.70	1.8	.70	1.8	0.00	**	.40	1.50	38	5	10.700	0.00
39	1	109.07	1.20	11.0	1.20	11.0	0.00	**	.90	9.00	39	1	624.000	0.00
40	2	130.60	1.40	10.7	1.40	10.7	0.00	**	1.10	7.00	40	2	145.000	0.00
41	3	136.27	1.60	11.7	1.60	11.7	0.00	**	1.30	7.00	41	3	60.400	0.00
42	4	218.47	1.70	7.8	1.70	7.8	0.00	**	1.40	2.33	42	4	16.100	0.00
43	5	281.31	2.10	7.5	2.10	7.5	0.00	**	1.80	2.33	43	5	11.800	0.00
44	6	291.79	2.20	7.5	2.10	7.2	.10	**	1.90	1.50	44	6	4.920	0.00
45	2	87.57	.60	6.9	.60	6.9	0.00	**	.30	9.00	45	2	126.000	0.00
46	3	103.76	.70	6.7	.61	5.9	.09	**	.40	7.00	46	3	46.400	0.00
47	4	120.99	.90	7.4	.76	6.3	.14	**	.60	7.00	47	4	27.000	0.00
48	5	194.90	1.10	5.6	.98	5.0	.12	**	.80	3.33	48	5	11.800	0.00
49	6	240.60	1.10	4.6	.96	4.0	.14	**	.80	2.33	49	6	6.370	0.00
50	3	105.99	1.10	10.4	1.02	9.6	.08	**	.80	9.00	50	3	60.700	0.00
51	4	130.79	1.20	9.2	1.08	8.2	.12	**	.90	7.00	51	4	29.100	0.00
52	5	160.77	1.40	8.7	1.25	7.8	.15	**	1.10	7.00	52	5	20.400	0.00
53	6	248.85	1.60	6.4	1.47	5.9	.13	**	1.30	3.33	53	6	9.370	0.00
54	4	100.52	1.40	13.9	1.22	12.2	.18	**	1.10	9.00	54	4	28.700	0.00
55	5	129.63	1.70	13.1	1.49	11.5	.21	**	1.40	7.00	55	5	16.400	0.00
56	6	163.46	1.90	11.6	1.67	10.2	.23	**	1.60	7.00	56	6	12.900	0.00

Job 704, LINE 2, Spread 1, W½, 4/12/72

500.

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT #704 Montosa Canyon

LINE 2 BEARING S75°W HALF W SP. 1 DATE 4-12-72

SEND	CAL	3-4	4-5	5-6	6-7	4-5	5-6	6-7	5-6	6-7
RECEIVE	3-4	1-2	→	→	→	2-3	→	→	3-4	→
MULT.	10	10	10	1.0	1.0	10	10	1.0	10	10
PFE	-0.3	0.3	0.2	0.3	0.4	0.4	0.3	0.3	0.3	0.3
Cur	2	5								
#	1	1	2	3	4	5	6	7	8	9
n		1	2	3	4	1	2	3	1	2
PFE Avg.										
AC	193.	430.	137.	82.8	50.1	398.	169.	88.5	708.	269.
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.	3.0									
AC NOISE	0.3									
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT #704 Montana Canyon

LINE 2 BEARING S75°W HALF W SP. + DATE 4-12-72

SEND	6-7	S.P.	S.P.	S.P.	2-3	3-4	4-5	5-6	6-7	1-2
RECEIVE	4-5	0-5W	5-10W	10-15W	15-20	→				20-25W
MULT.	10				10	10	1.0	1.0	1.0	10
PFE	0.3				0.3	0.3	0.3	0.3	0.4	0.3
Cen										
#	10				11	12	13	14	15	16
n	1				1	2	3	4	5	1
PFE Avg.										
AC	1081.				383.	181.	81.9	57.4	36.9	510.
DRIFT	—				—	—	—	—	—	—
S.P.		+1.2	+18.7	+15.4	+12.2					+8.0
AC NOISE										
POT RES.					-20					-40

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO. PROJECT Fox Mountain Canyon

LINE 2 BEARING S75W HALF W SP. 1 DATE 4-12-82

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	20-25					25-30				
MULT.	10	10	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	0.4	0.5	0.5	0.7	0.7	0.2	0.2	~~0.3~~ 0.3	0.3	0.5
Cm										
#	17	18	19	20	21	22	23	24	25	26
n	2	3	4	5	6	2	3	4	5	6
PFE Avg.										
AC	153.	118.	66.8	49.3	33.4	48.9	25.7	25.0	16.8	13.1
DRIFT										
S.P.						+8.0				
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 4

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Montana

LINE 2 BEARING S75W HALF W SP. 1 DATE 4-12-7

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4			
RECEIVE	30-35	W			35-40		→			
MULT.	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
PFE	0.5	0.7	0.7	0.9	0.5	0.7	0.9			
tm										
#	27	28	29	30	31	32	33			
n	3	4	5	6	4	5	6			
PFE Avg.										
AC	59.3	35.9	37.3	27.1	20.0	13.3	14.5			
DRIFT	—	—	—	—	—	—	—			
S.P.	+9.7				+16.1					
AC NOISE										
POT RES.	-30				-12					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 MONTOSA CANYON

LINE 2 HALF W SP. 1 DATE 4-12-72

PAGE 1

SEND	CAL	3-4	4-5	5-6	6-7	4-5	5-6	6-7	5-6	6-7
RECEIVE	3-4	1-2	—	—	—	2-3	—	—	3-4	—
RANGE	10X200	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	180	475	520	440	600	520	440	600	440	600
CURRENT	2A	5A	5A	5A	5A	5A	5A	5A	5A	5A
SEND	6-7	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	4-5	15-20	—	—	—	—	20-25	—	—	→
RANGE	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	600	300	460	510	520	580	360	300	460	500
CURRENT	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A

FREQUENCIES 3 .3

SENDER NO. 6644-S

OPERATOR K RITCHIE

RECEIVER NO. 20693 R

OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT MONTOSA CANYON

LINE 2 HALF W SP. 1 DATE 4-12-77

SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	20-25	—	25-30	—	—	—	—	30-35		
RANGE	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	430	570	360	300	460	500	430	360	300	460
CURRENT	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
SEND	4-5	1-2	2-3	3-4						
RECEIVE	30-35	35-40	—	—						
RANGE	30X166	30X166	30X166	30X166						
VOLTAGE	500	360	300	450						
CURRENT	5A	5A	5A	5A						

FREQUENCIES 3 3

SENDER NO. 6644-5

OPERATOR K RITCHIE

RECEIVER NO. 2D693 R

OPERATOR W FREEMAN

COMMENTS:

CROSSED WIRE #6 = #7

I.P. RECEIVER NOTES

CONTACT ≅ 19 E

PAGE 1

HEINRICHS GEOEXPLORATION CO.

PROJECT #704 MONTOSA CANYON

LINE 2 BEARING N75° E HALF E SP. 1 DATE 4-13-7

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 E	→	→	→	→	20-25	E →	→	→
MULT.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	-0.3	0.3	0.5	0.8	0.8	0.8	0.5	0.6	0.6	0.9
PFE corr		0.6	0.8	1.1	1.1	1.1	0.8	0.9	0.9	1.2
K_n		1.5	6	15	30	52.5	1.5	6	15	30
ρ		170	273	251	191	211	122	225	331	299
MCF		3.5	2.9	4.4	5.7	5.2	6.6	4.0	2.7	4.0
PFE Avg.										
AC	194.	545.	219.	80.3	30.6	19.3	391.	180.	106.	47.8
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.		-7.1	+6.5	+11.7		+15.9	+13.3			
AC NOISE		S.P. 0.5	5-10	10-15						
POT RES.		25K	50K	20K		100K	20K			

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT #704

LINE 2 BEARING N75°E HALF E SP. 1 DATE 7-13-72

SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5
RECEIVE	20-25	E →	25-30	—	—	—	→	30-35	—	→
MULT.	1.0	1.0	10	10	1.0	1.0	1.0	1.0	1.0	1.0
PFE	0.9	1.0	0.9	0.9	1.0	1.2	1.5	1.2	1.5	1.5
PFE corr	1.2	1.3	1.2	1.2	1.3	1.5	1.8	1.5	1.8	1.8
Kn	52.5	84	6	15	30	52.5	84	15	30	52.5
ρ	220	239	227	338	463	393	282	189	304	419
MCF	5.5	5.4	5.3	3.6	2.8	3.8	6.4	7.9	5.9	4.3
PFE Avg.										
AC	20.1	13.6	181.	108.	73.9	35.8	16.0	60.2	48.3	38.0
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.			+20.8					+11.3		
AC NOISE										
POT RES.			100K					75K		

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO.

PROJECT 704 Montosa Canyon

LINE 2 BEARING N75E

HALF C SP. 1 DATE 4-13-72

SEND	3-4	6-7	5-6	4-5			1-2			
RECEIVE	30-35	35-40	→	→			35-40			
MULT.	1.0	1.0	1.0	1.0			0.1			
PFE	1.7	1.7	1.8	1.8						
PFE corr	2.0	2.0	2.1	2.1			5.26	3 Hz		
K_n	84	30	52.5	84			0.9	1 Hz		
							2.1	0.3 Hz		
ρ	401	210	315	414			3.0	0.1 Hz		
MCE	5.0	9.5	6.7	5.1			—			
PFE Avg.										
AC	22.7	33.3	28.5	23.4						
DRIFT		—	—	—						
S.P.		+40.4								
AC NOISE										
POT RES.		50k								

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 MONTOSA CANYON

LINE 2 HALF E SP. 1 DATE 3-13-22

PAGE 3

SEND	CAL	5-6	4-5	3-4	2-3	2-1	6-7	5-6	4-5	3-4
RECEIVE	3-4	15-20	—	—	—	—	20-25	—	—	→
RANGE	10X200	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	180	420	500	460	320	380	560	420	500	460
CURRENT	2A	5A	5A	5A	5A	5A	5A	5A	5A	5A
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	—	→
RANGE	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	320	380	560	420	500	460	320	560	420	500
CURRENT	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A

FREQUENCIES 3 3

SENDER NO. 6644S

OPERATOR K RITCHIE

RECEIVER NO. 18691-R

OPERATOR W/ FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT # 784 MONTOSA CANYON

LINE 2 HALF E SP. 1 DATE 3-13-82

PAGE 4

SEND	3-4	6-7	5-6	4-5						
RECEIVE	30-35	35-40	—	—						
RANGE	30X166	30X166	30X166	30X166						
VOLTAGE	460	560	420	500						
CURRENT	5A	5A	5A	5A						
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 .3

SENDER NO. 6644-5

OPERATOR K RITCHIE

RECEIVER NO. 18691R

OPERATOR W FREEMAN

COMMENTS:

Job 704, Line 3, Spread 1, E+W ½, 4/17/72 500.

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT #704 Montosa Canyon

LINE 3 BEARING N 79° E HALF ℄ SP. 1 DATE 4-17-72

SEND	CAL	3-4	4-5	5-6	6-7	4-5	5-6	6-7	5-6	6-7
RECEIVE	3-4	1-2	→	→	→	2-3	→	→	3-4	→
MULT.	10	10.	10.	1.0	1.0	10.	10.	1.0	10.	10.
PFE	-0.3	0.5	0.6	0.5	0.4	0.6	0.6	0.7	0.5	0.7
Cur	2	6	—	—	5	7	6	5	—	—
#	1	1	2	3	4	5	6	7	8	9
n		1	2	3	4	1	2	3	1	2
PFE Avg.										
AC	194.	468.	159.	64.6	46.0	844.	159.	97.8	454.	236.
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.	3.0									
AC NOISE	0.3									
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT # 704 MONTOSA CANYON

LINE 3 BEARING N 79° E HALF E SP. 1 DATE 4-17-72

SEND	6-7	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	4-5	15-20 E	→	→	→	→	20-25	→	→	→
MULT.	10.	10.	10.	1.0	1.0	1.0	10	10	1.0	1.0
PFE	0.5	0.5	0.8	1.0	0.8	0.7	0.5	0.5	1.1	1.1
Cm										
#	10	11	12	13	14	15	16	17	18	19
n	1	1	2	3	4	5	1	2	3	4
PFE Avg.										
AC	840.	841.	204.	93.1	48.9	25.9	756.	257.	95.3	54.4
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.		S.P.	S.P.	S.P.	S.P.		+17.2			
AC NOISE		0-5 E	5-10 E	10-15 E	15-20 E					
POT RES.		+7.8	+15.6	+15.6	+14.3	-20	-20			

Sta. 30-35 IN MONTOSA I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO. PROJECT 704 MONTOSA CANYON

LINE 3 BEARING N71°E HALF E SP. 1 DATE 4-17-72

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.	1.0	1.0	10	10	1.0	1.0	1.0	1.0	1.0	1.0
PFE	0.9	0.8	0.6	0.5	1.0	1.2	0.9	0.7	0.8	1.2
1 HZ										
0.1										
Cm										
#	20	21	22	23	24	25	26	27	28	29
n	5	6	2	3	4	5	6	3	4	5
PFE Avg.										
AC	32.2	18.5	259.	117.	52.8	34.0	21.5	78.3	41.5	21.4
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.			+27.9					+10.7		
AC NOISE										
POT RES.			-20					-14		

I.P. RECEIVER NOTES

PAGE 4

HEINRICHS GEOEXPLORATION CO. PROJECT #704 Monrosa Canyon

LINE 3 BEARING N 79°E HALF 6 SP. 1 DATE 4.17.76

SEND	3-4	6-7	5-6	4-5			1-2			
RECEIVE	30-35	35-40	6 →				35-40			
MULT.	1.0	1.0	1.0	1.0			0.1			
PFE	1.2	1.2	1.3	1.6			1.3			
Cu										
t	30	31	32	33			35			
n	6	4	5	6			9			
	VERY									
PFE Avg.	NOISY.									
AC	14.8	46.6	27.8	16.0			5.32			
DRIFT	—	—	—	—			—			
S.P.		+20.9								
AC NOISE										
POT RES.		-13								

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT #704 Montosa Canyon

LINE 3 BEARING N79°E HALF ____ SP. ____ DATE ____

SEND	CAL	S.P	S.P	S.P	2-3	3-4	4-5	5-6	6-7	1-2
RECEIVE	1-2	0-5w	5-10w	10-15w	15-20	w			5	20-25
MULT.	10				10	10	1.0	1.0	1.0	10
PFE	-0.3				0.3	0.7	0.9	0.6	0.7	0.1
an										
#					37	38	39	40	41	42
n					1	2	3	4	5	1
PFE Avg.										
AC	194.				494.	126.	62.4	32.1	29.0	556.
DRIFT	—				—	—	—	—	—	—
S.P.		-9.6	+24.3	+9.8	+0.7	~~-2.9~~				+21.7
AC NOISE						~3min later				
POT RES.					-14	-14				-30

SPOOKY PFE'S

I.P. RECEIVER NOTES

PAGE 6

HEINRICHS GEOEXPLORATION CO. PROJECT # 704 MONTANA CANYON

LINE 3 BEARING N79°E HALF W SP. 1 DATE 4-17-72

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	20-25	→	→	→	→	25-30	W	→	→	→
MULT.	10.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE	0.1	0.5	0.7	0.5	0.5	0.2	0.2	0.6	0.9	0.8
Cm										
#	43	44	45	46	47	48	49	50	51	51
n	2	3	4	5	6	2	3	4	5	6
PFE Avg.										
AC	155.	69.1	40.8	24.0	22.9	90.1	44.1	26.3	17.1	11.4
DRIFT	—	—	—	—	—	—	—	—	—	—
S.P.						+12.0				
AC NOISE										
POT RES.						-21				

G.F. @ 39 W

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 704 Montosa Canyon

LINE 3 BEARING 579°W HALF W SP. 1 DATE 4-17-71

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4			
RECEIVE	30-35	W →			35-40	W →				
MULT.	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
PFE	0.5	0.9	1.3	1.4	0.8	1.1	1.3			
Cur										
#	52	53	54	55	56	57	58			
n	3	4	5	6	4	5	6			
PFE Avg.										
AC	42.7	27.8	19.2	12.9	24.3	19.8	15.6			
DRIFT	—	—	—	—	—	—	—			
S.P.	+27.0				+5.4					
AC NOISE										
POT RES.	-49				-41					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 MONTEZUMA CANYON

LINE 3 HALF E SP. 1 DATE 4-17-72

PAGE 1

SEND	3-4	3-4	4-5	5-6	6-7	4-5	5-6	6-7	5-6	6-7
RECEIVE	CAL	1-2	—	—	—	2-3	—	—	3-4	→
RANGE	10X200	30X200	30X200	30X200	30X166	30X233	30X200	30X166	30X166	30X166
VOLTAGE	160	490	380	480	490	440	480	490	400	490
CURRENT	2A	6A	6A	6A	5A	7A	6A	5A	5A	5A
SEND	6-7	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	4-5	15-20E	—	—	—	—	20-25	—	—	→
RANGE	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	490	400	310	400	360	500	480	400	300	400
CURRENT	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A

FREQUENCIES 3 .3

SENDER NO. 6644-5

OPERATOR R RITCHIE

RECEIVER NO. 20693-R

OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 MONTOSA CANYON

LINE 3 HALF E SP. 1 DATE 4-17-72

PAGE 2

SEND	2-3	1-2	6-7	5-6	4-5	34	23	6-7	5-6	4-5
RECEIVE	20-25		25-30					30-35		
RANGE	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	360	500	480	400	310	400	360	490	390	300
CURRENT	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A
SEND	34	6-7	5-6	4-5						
RECEIVE	30-35	35-40								
RANGE	30X166	30X166	30X166	30X166						
VOLTAGE	400	480	380	300						
CURRENT	5A	5A	5A	5A						

FREQUENCIES 3 .3

SENDER NO. 6644-5

OPERATOR K RITCHIE

RECEIVER NO. 20693

OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT #704 MONTOSA CANYON

LINE 3 HALF W SP. 1 DATE 4-17-22

PAGE 3/4

SEND	CAL	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	1-2	15-20	—	—	—	—	20-25	—	—	→
RANGE	10X200	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	180	360	400	300	380	460	490	360	390	300
CURRENT	2A	5A	5A	5A	5A	5A	5A	5A	5A	5A
SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4
RECEIVE	20-25	—	25-30	—	—	—	—	30-35	—	→
RANGE	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166	30X166
VOLTAGE	380	460	490	360	390	300	380	490	360	390
CURRENT	5A	5A	5A	5A	5A	5A	5A	5A	5A	5A

FREQUENCIES 3 .3

SENDER NO. 6644S

OPERATOR K RITCHIE

RECEIVER NO. 20693R

OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

704

PAGE 4 of 4

PROJECT Montoso canyon

LINE 3 HALF W SP. 1 DATE 4-17-72

SEND	4-5	1-2	2-3	3-4						
RECEIVE	30-35	35-40	—	—						
RANGE	30x166	30x166	30x166	30x166						
VOLTAGE	300	490	360	390						
CURRENT	5A	5A	5A	5A						
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 3

SENDER NO. 6644-S

OPERATOR K RITCHIE

RECEIVER NO. 20693-R

OPERATOR W FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
POST OFFICE BOX 5964
TUCSON, ARIZONA (85703)
PHONE 623-0578

JOB 704, LINE 3, SPREAD 1, E + W, 4-17-72 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.30	194.000	0.00	3.00	.30	-.3000	1.0309

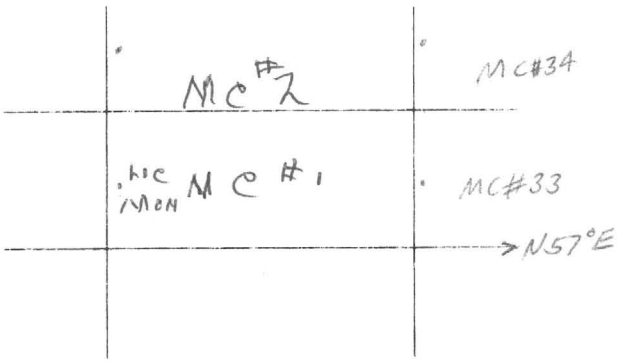
COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	121.58	.80	6.6	.80	6.6	0.00	**	.50	6.00	1	1	468.000	0.00
2	2	165.39	.90	5.4	.90	5.4	0.00	**	.60	6.00	2	2	159.000	0.00
3	3	167.83	.80	4.8	.80	4.8	0.00	**	.50	6.00	3	3	64.600	0.00
4	4	286.53	.70	2.4	.70	2.4	0.00	**	.40	5.00	4	4	46.000	0.00
5	1	188.13	.90	4.8	.90	4.8	0.00	**	.60	7.00	5	1	844.000	0.00
6	2	165.39	.90	5.4	.90	5.4	0.00	**	.60	6.00	6	2	159.000	0.00
7	3	305.50	1.00	3.3	1.00	3.3	0.00	**	.70	5.00	7	3	97.800	0.00
8	1	141.54	.80	5.7	.80	5.7	0.00	**	.50	5.00	8	1	454.000	0.00
9	2	294.88	1.00	3.4	1.00	3.4	0.00	**	.70	5.00	9	2	236.000	0.00
10	1	261.87	.80	3.1	.80	3.1	0.00	**	.50	5.00	10	1	840.000	0.00
11	1	262.18	.80	3.1	.80	3.1	0.00	**	.50	5.00	11	1	841.000	0.00
12	2	255.15	1.10	4.3	1.10	4.3	0.00	**	.80	5.00	12	2	204.000	0.00
13	3	291.68	1.30	4.5	1.30	4.5	0.00	**	1.00	5.00	13	3	93.100	0.00
14	4	305.80	1.10	3.6	1.10	3.6	0.00	**	.80	5.00	14	4	48.900	0.00
15	5	283.16	1.00	3.5	1.00	3.5	0.00	**	.70	5.00	15	5	25.900	0.00
16	1	235.68	.80	3.4	.80	3.4	0.00	**	.50	5.00	16	1	756.000	0.00
17	2	320.48	.80	2.5	.80	2.5	0.00	**	.50	5.00	17	2	257.000	0.00
18	3	298.87	1.40	4.7	1.40	4.7	0.00	**	1.10	5.00	18	3	95.300	0.00
19	4	341.21	1.40	4.1	1.40	4.1	0.00	**	1.10	5.00	19	4	54.400	0.00
20	5	352.74	1.20	3.4	1.20	3.4	0.00	**	.90	5.00	20	5	32.200	0.00
21	6	323.94	1.10	3.4	1.01	3.1	.09	**	.80	5.00	21	6	18.500	0.00
22	2	323.30	.90	2.8	.90	2.8	0.00	**	.60	5.00	22	2	259.000	0.00
23	3	364.75	.80	2.2	.80	2.2	0.00	**	.50	5.00	23	3	117.000	0.00
24	4	330.84	1.30	3.9	1.30	3.9	0.00	**	1.00	5.00	24	4	52.800	0.00
25	5	373.56	1.50	4.0	1.50	4.0	0.00	**	1.20	5.00	25	5	34.000	0.00
26	6	376.84	1.20	3.2	1.20	3.2	0.00	**	.90	5.00	26	6	21.500	0.00
27	3	244.59	1.00	4.1	1.00	4.1	0.00	**	.70	5.00	27	3	78.300	0.00
28	4	259.52	1.10	4.2	1.10	4.2	0.00	**	.80	5.00	28	4	41.500	0.00
29	5	235.12	1.50	6.4	1.41	6.0	.09	**	1.20	5.00	29	5	21.400	0.00
30	6	260.17	1.50	5.8	1.38	5.3	.12	**	1.20	5.00	30	6	14.800	0.00

31	4	292.57	1.50	5.1	1.50	5.1	0.00	**	1.20	5.00	31	4	46.600	0.00
32	5	305.74	1.60	5.2	1.60	5.2	0.00	**	1.30	5.00	32	5	27.800	0.00
33	6	282.38	1.90	6.7	1.79	6.3	.11	**	1.60	5.00	33	6	16.000	0.00
35	9	275.83	1.60	5.8	1.29	4.7	.31	**	1.30	5.00	35	9	5.320	0.00
37	1	153.70	.60	3.9	.60	3.9	0.00	**	.30	5.00	37	1	494.000	0.00
38	2	157.44	1.00	6.4	1.00	6.4	0.00	**	.70	5.00	38	2	126.000	0.00
39	3	195.31	1.20	6.1	1.20	6.1	0.00	**	.90	5.00	39	3	62.400	0.00
40	4	200.34	.90	4.5	.90	4.5	0.00	**	.60	5.00	40	4	32.100	0.00
41	5	317.06	1.00	3.2	1.00	3.2	0.00	**	.70	5.00	41	5	29.000	0.00
42	1	172.65	.40	2.3	.40	2.3	0.00	**	.10	5.00	42	1	556.000	0.00
43	2	192.52	.40	2.1	.40	2.1	0.00	**	.10	5.00	43	2	155.000	0.00
44	3	215.42	.80	3.7	.80	3.7	0.00	**	.50	5.00	44	3	69.100	0.00
45	4	254.89	1.00	3.9	1.00	3.9	0.00	**	.70	5.00	45	4	40.800	0.00
46	5	261.87	.80	3.1	.80	3.1	0.00	**	.50	5.00	46	5	24.000	0.00
47	6	399.79	.80	2.0	.80	2.0	0.00	**	.50	5.00	47	6	22.900	0.00
48	2	112.02	.50	4.5	.50	4.5	0.00	**	.20	5.00	48	2	90.100	0.00
49	3	137.07	.50	3.6	.50	3.6	0.00	**	.20	5.00	49	3	44.100	0.00
50	4	164.14	.90	5.5	.81	4.9	.09	**	.60	5.00	50	4	26.300	0.00
51	5	187.32	1.20	6.4	1.08	5.7	.12	**	.90	5.00	51	5	17.100	0.00
51	6	199.62	1.10	5.5	.92	4.6	.18	**	.80	5.00	51	6	11.400	0.00
52	3	133.12	.80	6.0	.80	6.0	0.00	**	.50	5.00	52	3	42.700	0.00
53	4	174.02	1.20	6.9	1.12	6.4	.08	**	.90	5.00	53	4	27.800	0.00
54	5	211.16	1.60	7.6	1.50	7.1	.10	**	1.30	5.00	54	5	19.200	0.00
55	6	227.22	1.70	7.5	1.55	6.8	.15	**	1.40	5.00	55	6	12.900	0.00
56	4	151.96	1.10	7.2	1.00	6.6	.10	**	.80	5.00	56	4	24.300	0.00
57	5	217.33	1.40	6.4	1.30	6.0	.10	**	1.10	5.00	57	5	19.800	0.00
58	6	274.51	1.60	5.8	1.49	5.4	.11	**	1.30	5.00	58	6	15.600	0.00

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 1 lode mining claim was located by Allan V. Moran on April 3, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2400 feet west of the SE corner of sec 20, T 20 S, R 14 E G&SRM.



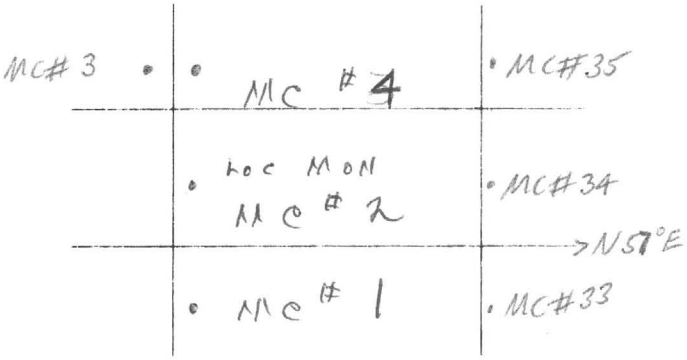
William N. Smith witness
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 2 lode mining claim was located by Allan V. Moran on April 3, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2800 feet ~~N~~SOW of the S E corner of sec 20, T 20 S, R 14 E, G&SRM.



Wm. Howard Snell witness

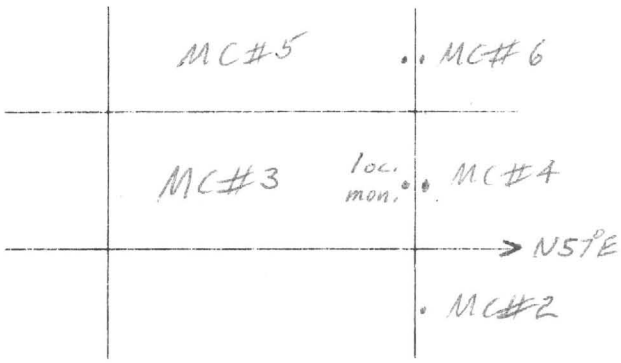
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 3 lode mining claim was located by Allan V. Moran on April 4, 19 72 This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3300 feet N 72 W of the S E corner of sec 20, T 20 S, R 14 E, G&SRM



Wm. Howe & Lucille witness

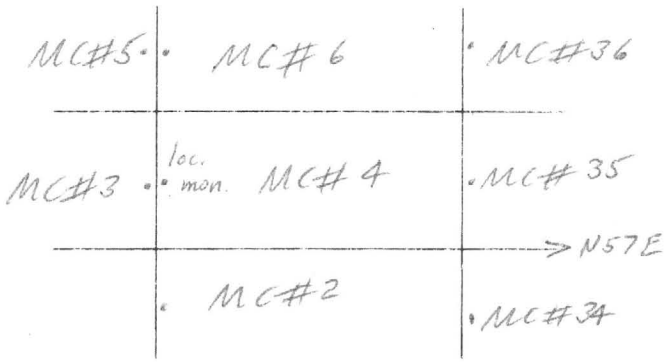
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 4 lode mining claim was located by Allan V. Moran on April 4, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3300 feet N 72 W of the S E corner of sec 20, T 20 S, R 14 E, G&SRM.



Wm. A. Smith witness

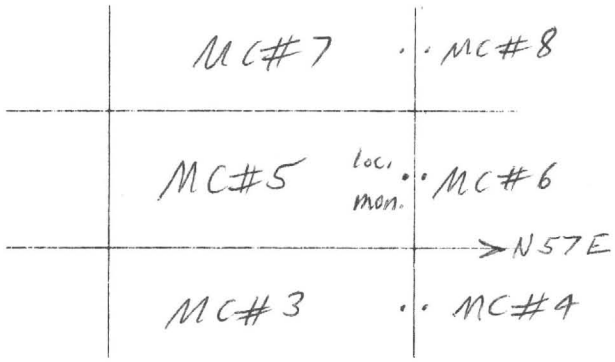
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 5 lode mining claim was located by Allan V. Moran on April 4, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E & S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3800 feet N 66 W of the S E corner of sec 20, T 20 S, R 14 E, G&SRM.

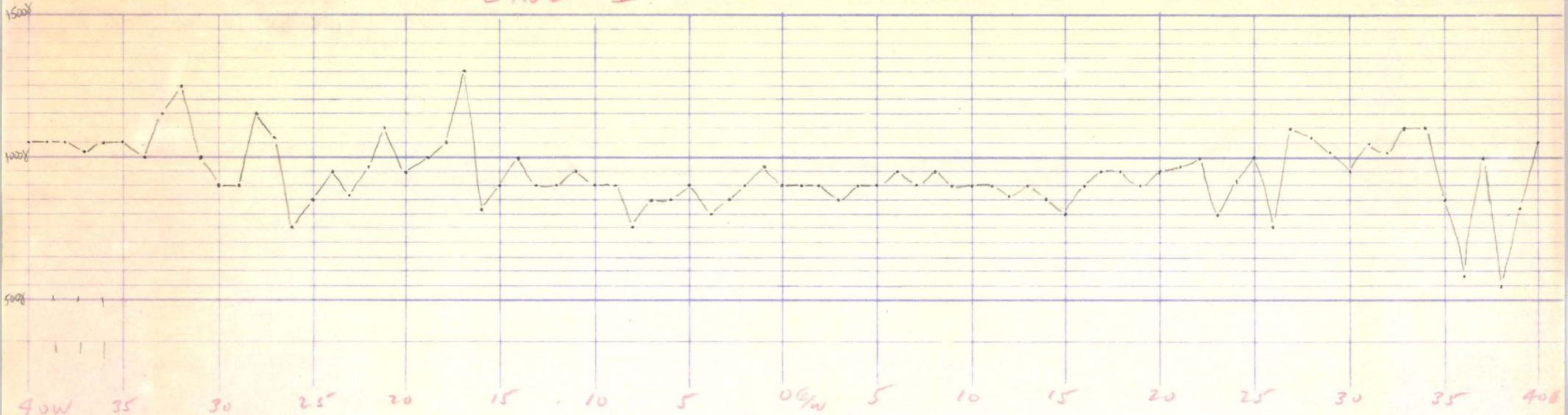


Mrs. Nancy Smith witness
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

5000γ/1"

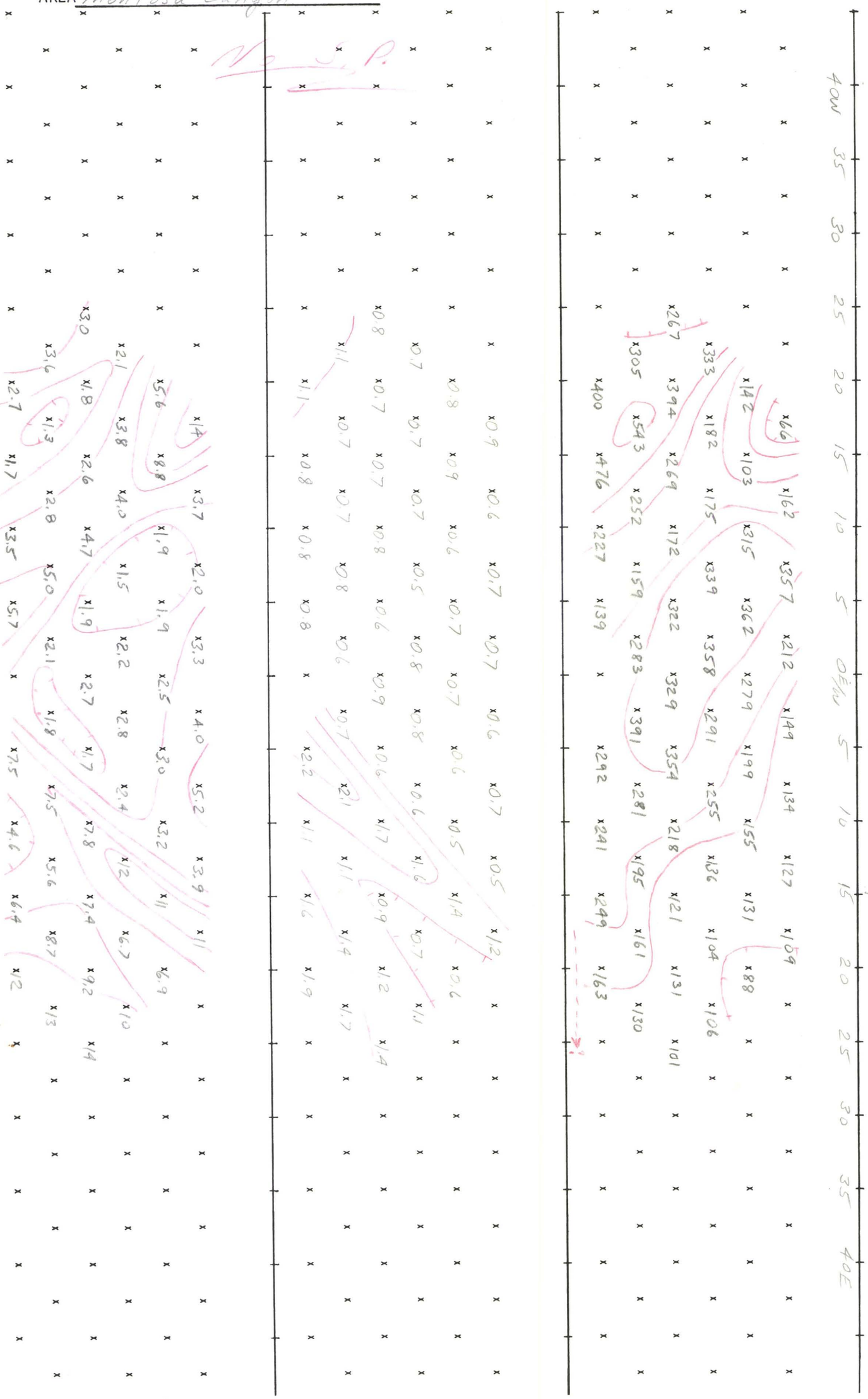
LINE 1



JOB# 704 LINE# 1 SP 1 a = 500' LOOKING N12W

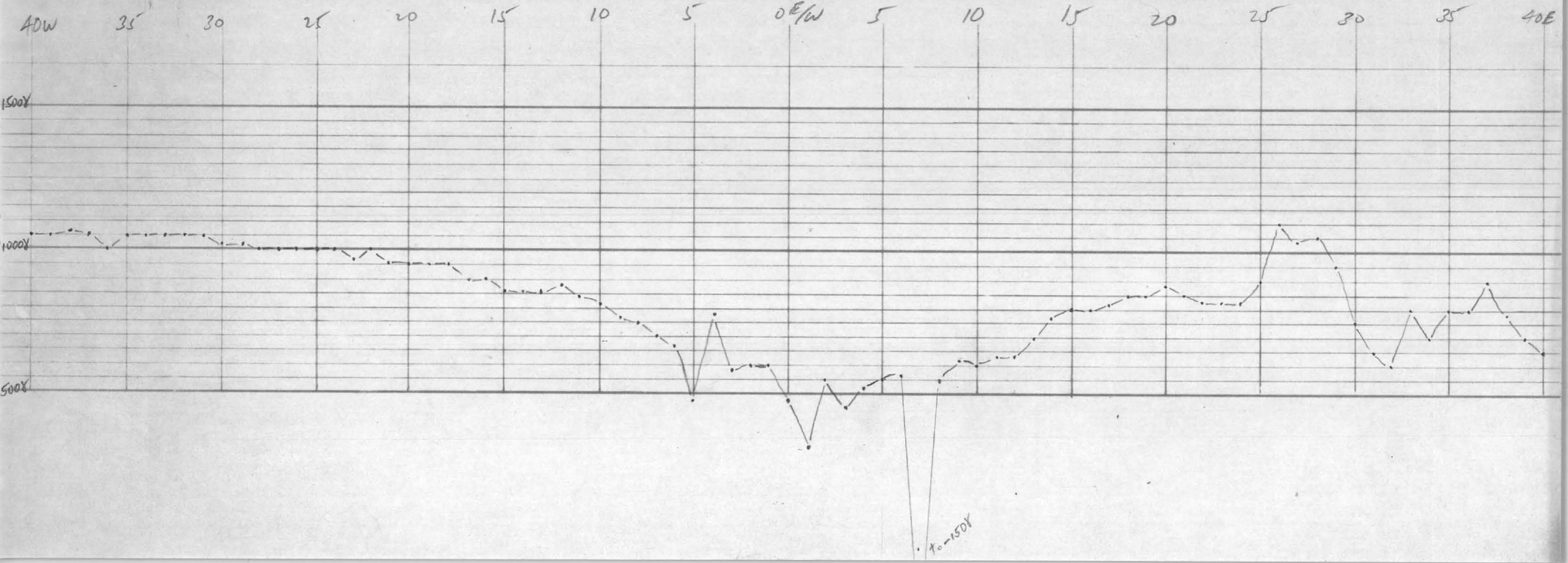
CLIENT RBJ DATE April 1972 FREQUENCIES 0.3 & 3.0 Hz

AREA Montosa Canyon



500 γ/1"

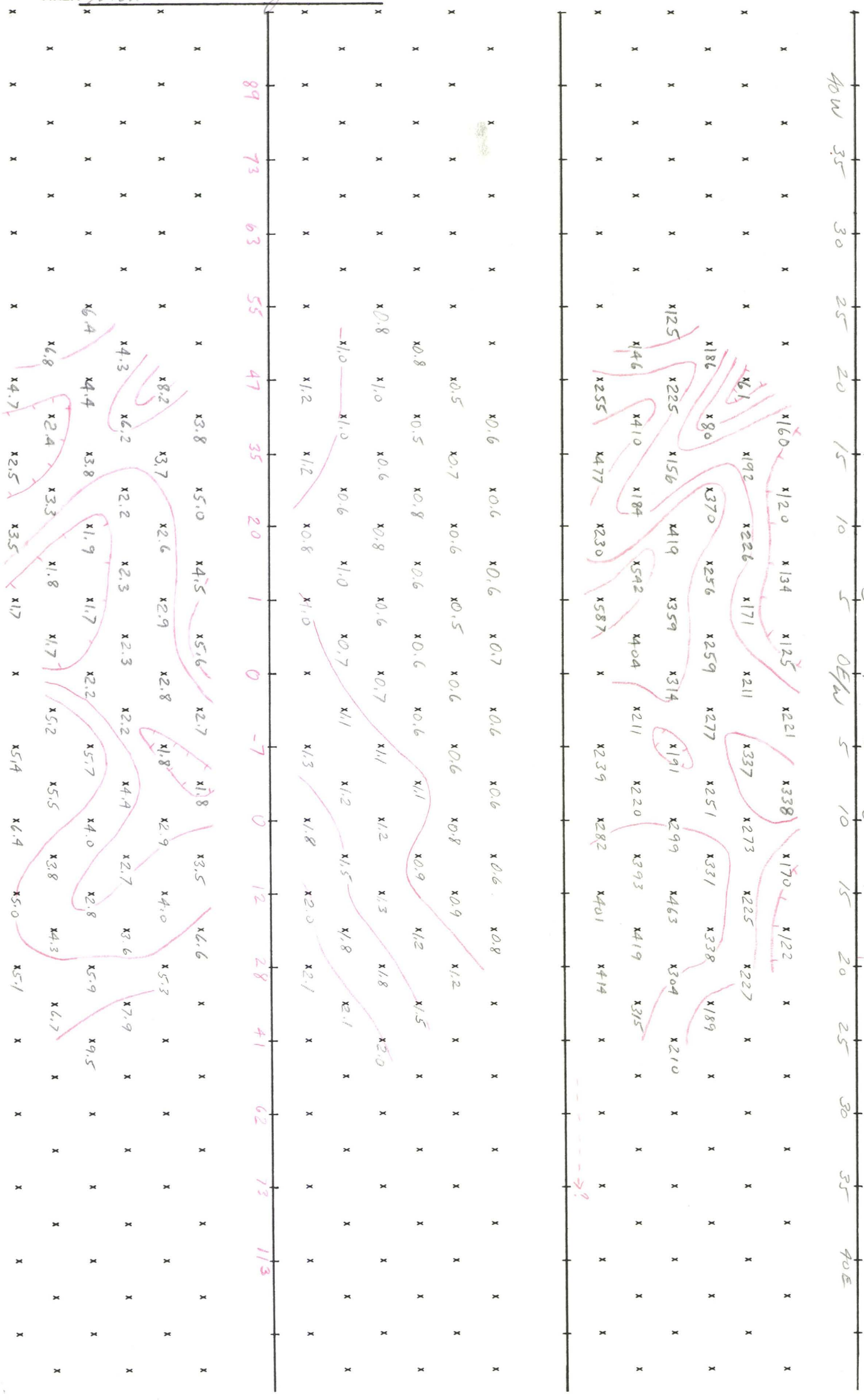
LINE 2


40W
35
30
25
20
15
10
5
0E/W
5
10
15
20
25
30
35
40E
1500γ
1000γ
500γ
γ0 -150γ

JOB# 704 LINE# 2 SP 1 a = 500' LOOKING N15°W

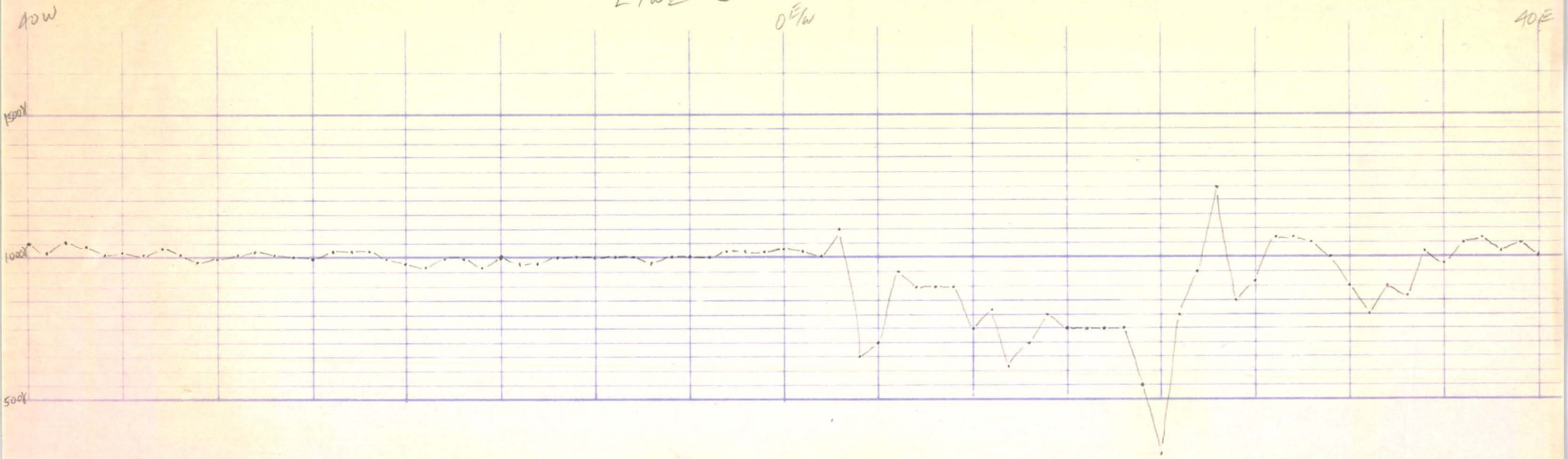
CLIENT RBJ DATE April 1972 FREQUENCIES 0.3 & 3.0 Hz

AREA Montosa Canyon



500 γ/1"

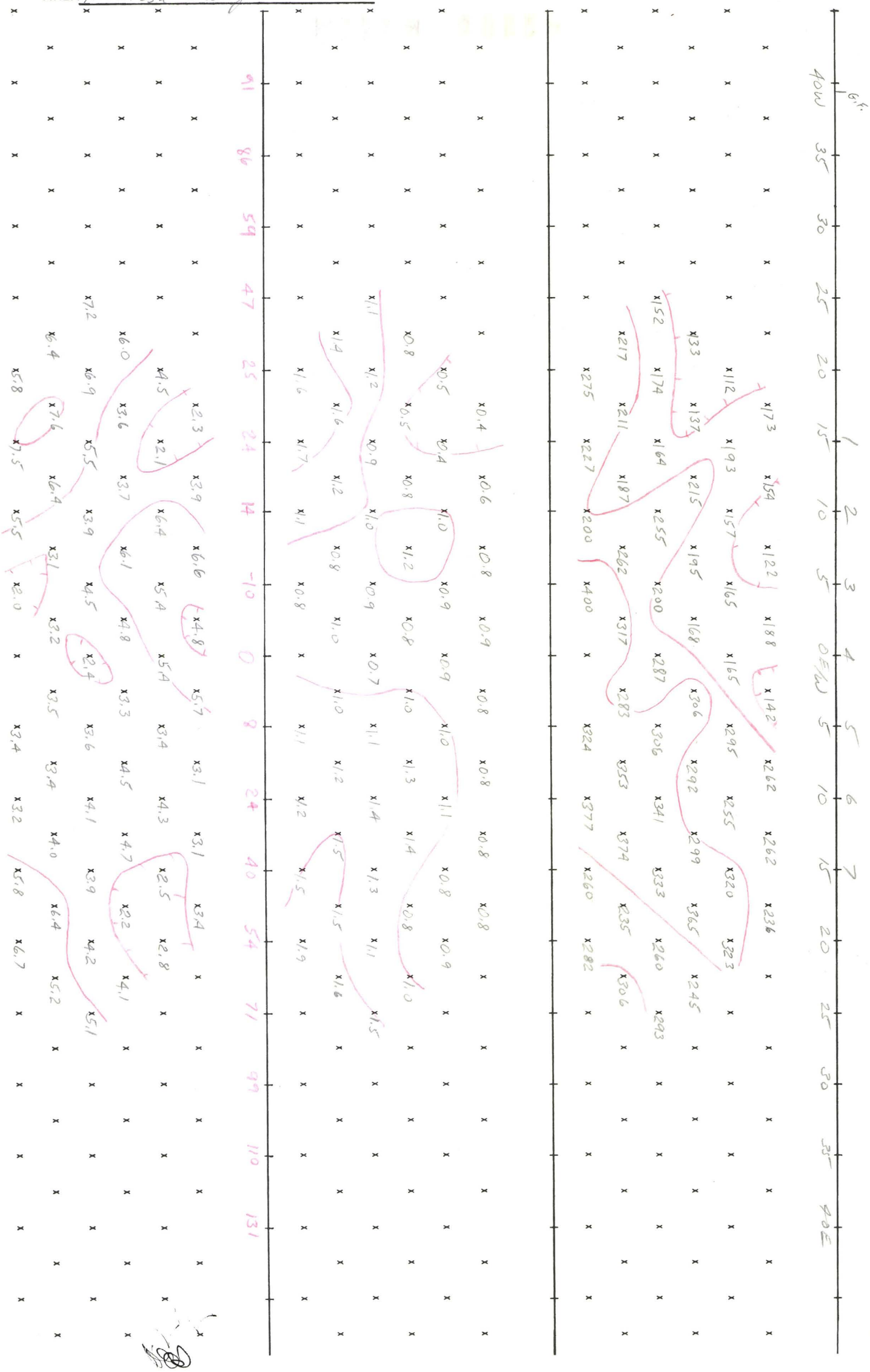
LINE 3



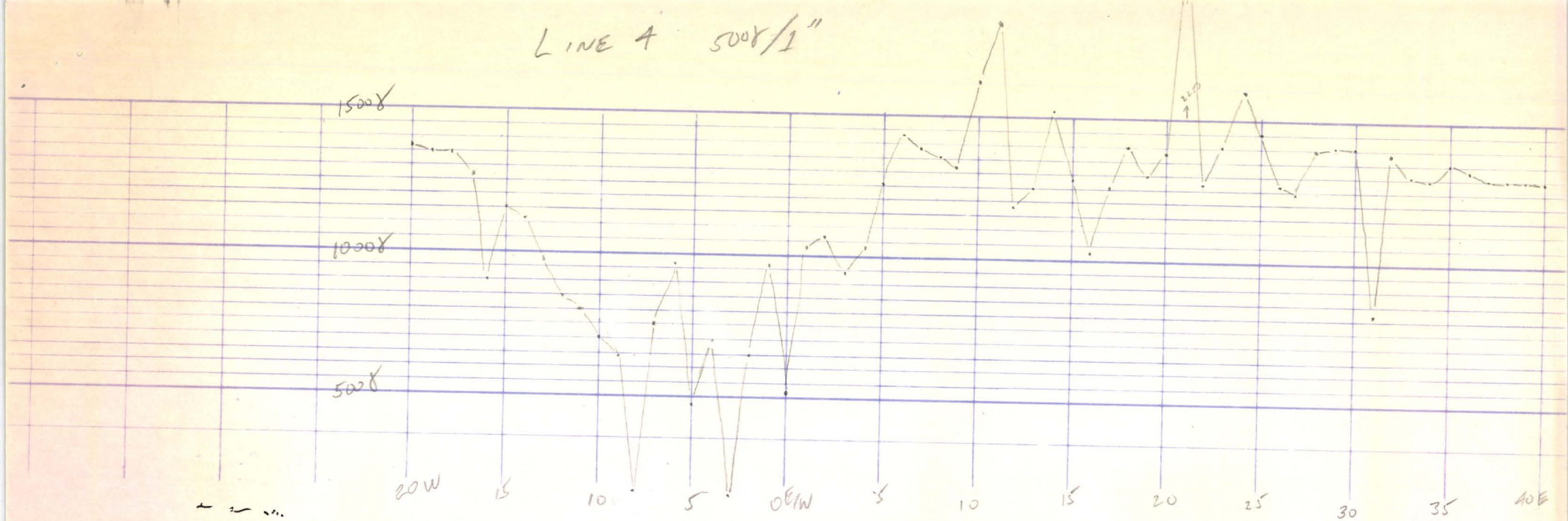
JOB# 704 LINE# 3 SP 1 a = 500' LOOKING N11°W

CLIENT RBJ DATE April 1972 FREQUENCIES 0.3 & 3.0 Hz

AREA Montosa Canyon



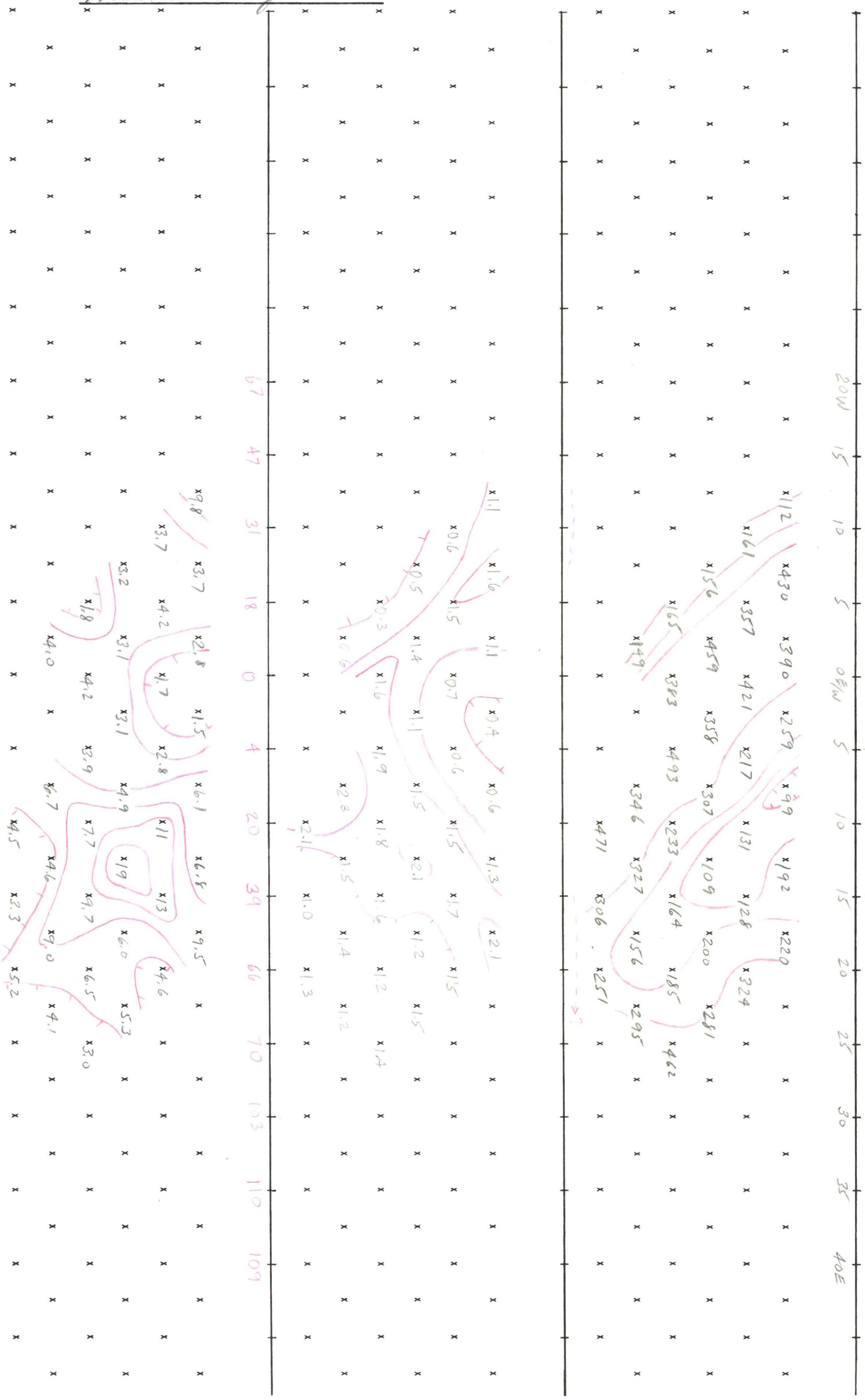
LINE 4 500γ/1"



JOB# 704 LINE# 4 SP 1 a = 500' LOOKING N 30°W

CLIENT RBJ DATE April 1972 FREQUENCIES 0.3 & 3.0 Hz

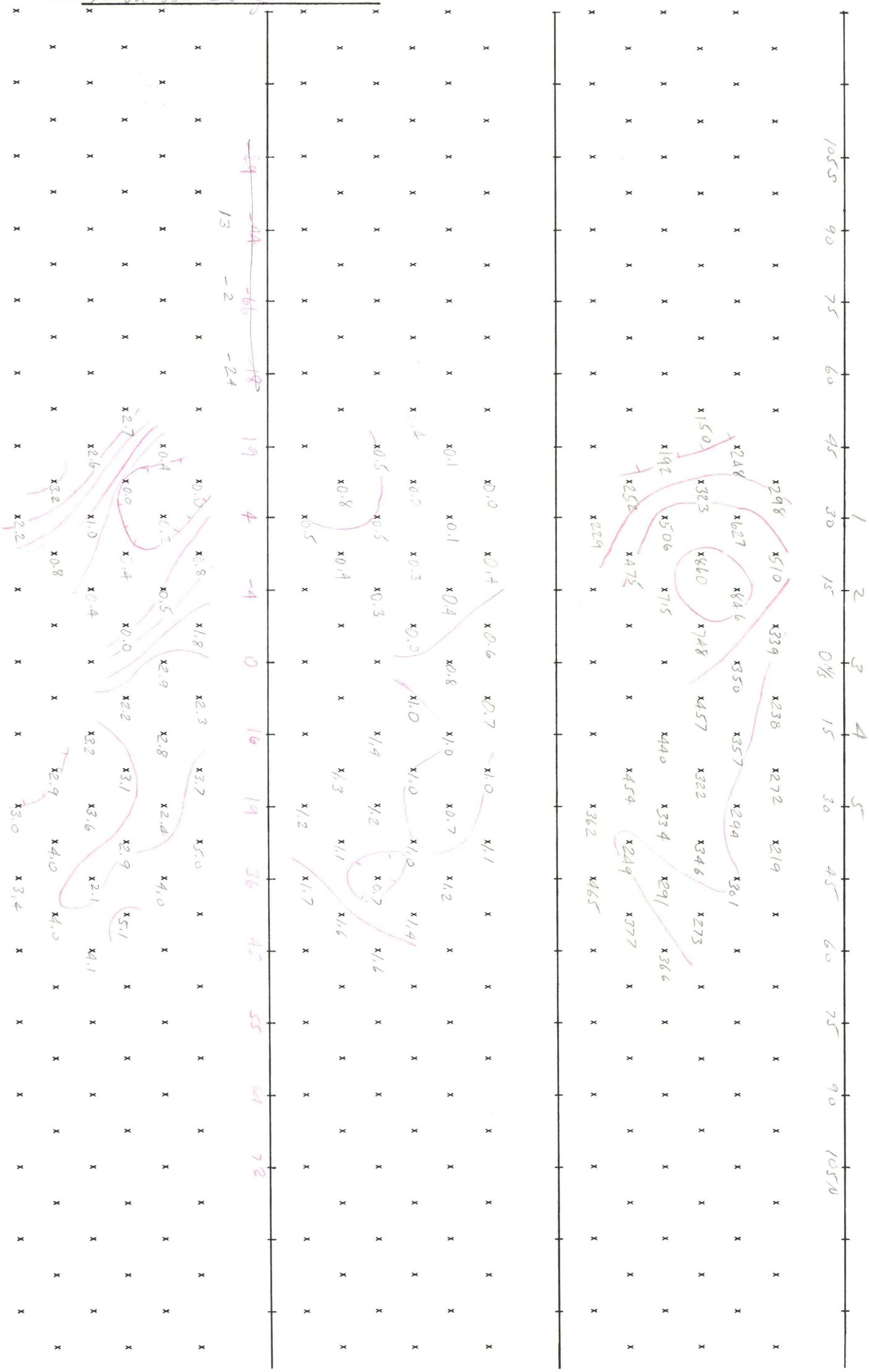
AREA Montosa Canyon



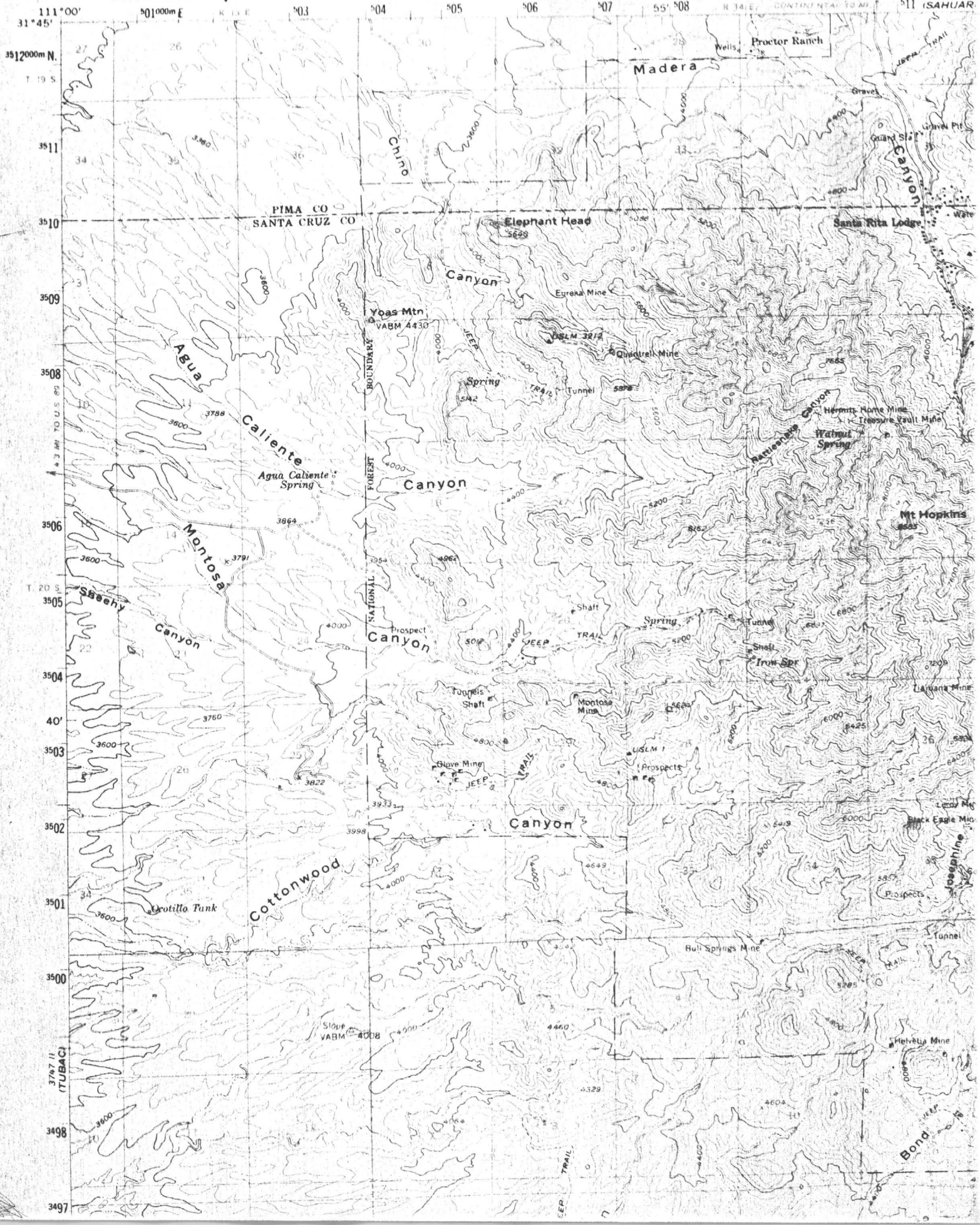
JOB# 704 LINE# 5 SP 1 a = 1500' LOOKING 570W

CLIENT RBJ DATE April 1972 FREQUENCIES 0.1 & 1.0 Hz

AREA Montosa Canyon



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



Secs 17, 18, 19, 20 T 20 S R 14 E
Mt. Wrightson Quad.

Hannable Claim – J. H. Pimberton & Tom Chapin, 28 Aug 71

Ronny Claims 6, 7, 8, 9, 10, 11, 12
Run N-S in sec 20

Molly Claims – Locators?
Secs 17 and 18

Duke Claims – Locators?
Secs 18 and 19

Locators, Date, Address, Assessment work.

Patented Ground.

Hannable Claim – J. H. Pimberton & Tom Chapin
28 Aug 71.

Duke 14 – Henry S. Birdseye 2 May 71
Duke 23 – " " " Apr 71

~~Hannabet~~
~~Hannable~~

No Assessment work

Duke 1-11, Birdseye, H.S., 27 May 71 (Recd)
1 May 71 (Notice)
12255-12265 Book 127 p 57-67
~~NW Sec~~ ~~NW Cor Sec 7, T 20 S R~~ 14W

Duke 12-14, Birdseye, H.S., 27 May 71, 2 May 71 Book 127, p 68-70 12266-12268

Duke 15, Birdseye, 27 May 71, 24 May 71
12269 Book 127 p. 71

Duke 16 & 17, Birdseye, 27 May 71, 2 May 71
12270-12271, B 127 P. 72-73

Duke 18-26, 27 May 71, 1 May 71, 12272-12280
B 127 p 74-82

Duke 27, 27 May 71, 2 May 71, 12281
B 127, p. 83

Duke 32-36, 27 May 71, 27 May 71 12282-12286 B 127 p 84-88

Duke 41-45, 27 May 71, 27 May 71, 12287-12291
B-127, p. 89-93

Duke 74-76, 27 May 71, 8 May 71, 12292-12294
B 127, p 94-96

Duke 77-78, 27 May 71, 7 May 71, 12295-12296
B 127, p. 97-98

Duke 79-81, 27 May 71, 8 May 71, 12297-12299
B 127 p. 99-101

Duke 82-83, 27 May 71, 7 May 71, 12300-12301
B 127, p 102-103

Duke 84-86, 27 May 71, 8 May 71, 12302-12304
B 127 p 104-106

Duke 87-88, 27 May 71, 7 May 71, 12305-12306
B 127, p107-108

Duke 89-90, 27 May 71, 8 May 71, 12307-12308
B 127, p 109-110

Duke 91-92, 27 May 71, 6 May 71, 12309-12310
B127 p 111-112

Duke 93-94 27 May 71, 7 May 71, 12311-12312
B127 p 113-114.

Duke 95-99, 27 May 71, 2 May 71, 12313-12317
B 127 p 115-119

Duke 100-103, 27 May 71, 7 May 71, 12318-12321
B127 p 120-123

Duke 104-105, 27 May 71, 2 May 71, 12322, 12323
B 127 p. 124-125

Duke 106-108, 27 May 71, 7 May 71, 12324-12326
B 127, p. 126-128

Duke 109-114, 27 May 71, 6 May 71, 12327-12332
B 127 P 129-134

Molley 1-10, Grimm, E.H & Worsley, H.G.,
1 Nov 60 (Notice), 23 Nov 60 (Reed)
6629-6638 B. 27 p 38-51

Molley 12-31; Grimm, E.H. et al
14-21 Jan 61 (N); 31 Jan 61 (R) 338-357
Dkt. 28 p. 112-131

Molley 32-33, Grimm E.H, et. al 2 Sep 61 (N)
24 Nov 61 (R); 3719-3720, Book 34 p. 147-
148

Molley 34-37, 3 Feb 62, 22 Mar 62, 4893-
4896, B. 35 p 606-609

Molley 38-40, 7 Apr 62, 15 Jun 62, 5690-5692
B 37, p 348-350

Molley 41-50, 10 Nov 62, 28 Dec 62, 7660-7669
B. Dkt 41, P 13-22

Molley 51-54, 14 Mar 64, 23 Mar 64, 6589-
6592 B. 51 P 206-207-209
Molley 51 filed as MOMMEY 51

Molley 55-56, 14 Apr 64, 1 Jun 64 7699-7700
B 53 p. 202-203

Molley 57-67, 2-3 Nov 64, 11 Dec 64, 10523-10533
B 57 p. 37-47

Worsley has series of Mother Lode Claims in Wrightson Dist

Also filed Extension Claims in 1954 where Ronny claims are.

Extension 14-23 filed by Worsley
Aug 23, 1960
Book Okt. 25. p. 66-75

Molley 12-31, Worsley H. G. ~~Aug 1 1960~~
Jan 14-21, 1961, Jan 31, 1961
338-357 B. 28. p. 112-131

Ronny Claims (Amended)

Ronny 1 & 2, Weyenberg, L.V., 1 Nov 60,
18 Feb 69, 498-499. Book 99 P. 130-131

Ronny 4, 1 Nov 60, 18 Feb 69, $500, Book 99
p. 132.

Ronny 6, 1 Nov 60, 18 Feb 69, 501, Book 99
p. 133

Ronny 9, 1 Nov 60, 18 Feb 69, B. 99, p. 134

Ronny 10; ~~1 Nov 6~~ 20 Mar 61, 18 Feb 69, B. 99 p. 135

Ronny 11-15, 20 Mar 61, 18 Feb 69, B. 99 P. 136-140

BS 1-6, Pemberton S. H, 31 Jul 71, 25 Aug 71
13561 - 13566 Book 130 p 454-459

Granite 1-6 Pemberton, 21 Nov 70, 24 Nov 70,
9945 - 9950, Book 120 p. 290-295

Hematite, 28 Aug 71, 1 Sep 71, 13674
Book 131 p. 02

Hannable, 1 Sep 71, 16 Sep 71, 13871,
B. 131 p. 358

Hernandez #1 (Abandoned Fidel Claim)
18 Sep 71, 1 Oct 71, 14045. B 132 p. 43

Snow 1-5, 18 Dec 71, 22 Dec 71, 15235-15239
Book 135 p. 280-284 Near Glove 1 ~1 mi N

Hannable -

Addresses:

Pemberton, S. H.
Birdseye, H. S.
Grimm, E. H
Worsley, H. G.
Weyenberg, L. V.

Henry S. Birdseye
Box 8294
Albuquerque, New Mexico 87108

H. G. Worsley
Box 11
Amado, Arizona

S. H. Pemberton
4454 S. Mission
Tucson, Arizona 85706

(NW Corner Claim is

Duke 1 NW COR Sec 7 T 20 S R14E

2 NW cor claim 4200' N of SW cor Sec 7 T20 S R14E

3 SW Cor Claim 3600' N of SW Cor Sec 7

4 SW Cor Claim 3000' N of " " " "

5 SW " " 2400' N " " " "

Run E-W

6 SW " " 1800' N " " " "

7 SW " " 1200' N " " " "

8 SW " " 600' N " " " "

9 SW " " SW Cor Sec 7

10 NW " " ¢ NW Cor Sec 18

11 NW " " 600' S NW Cor Sec 18

12 NW " " 1200' S NW " " "

13 NW " " 1800' S " " " "

14 NW " " 2400' S " " " "

15 " " " 3000' S " " " "

16 " " " 1500' E of NW Corner Sec 7

17 NW " " 1500' E ? 4800' N SW Cor Sec 7

18 SW " " 1500' E ? 3600' N SW Cor " "

19 SW " " 1500' E ? 3000' N " " " "

20 SW " " 1500' E ? 2400' N " " " "

21 SW " " 1500' E ? 1800' N " " " "

22 " " " 1500' E 1200' N

23 " " " 1500' E 600 N

24 " " 1500' E SW Corner Sec 7

25 NW Corner Claim 1500' E NW Corner Sec 18

26 NW " " 1500' E 600' S NW Cor Sec 18

27 NW Cor " 1500' E 1200' S " " " "

32 SW " " 3000' E 2400' N SW Cor Sec 7

33 SW Cor " 3000' E 1800' N " " " "

34 " " " 3000' E 1200' N " " "

35 SW " " 3000' E 600' N SW " " "

36 SW " " 3000' E SW Cor S

Duke	41	SW Cor Claim		4500' E	2400' N	SW Cor Sec 7
	42	SW "	"	4500' E	1800' N	" " " "
	43	SW "	"	4500' E	1200' N	———
	44	" "	"	4500' E	600' N	———
	45	"	"	4500' E	"	SW Cor Sec 7
1320' E-W	74	NE "	"			NE Cor Sec 11
		T 20S R 13E				
1320 EW	75	NW "	"			NW Cor Sec 12
"	76	NW "	"	1320' E		" " " "
"	77	NE "	"	1320' W		NE Cor Sec 12
"	78	NE "	"	NE Cor Sec 12		
"	79	NE "	"	600' S		NE Cor Sec 11
"	81	NW "	"	1320' E	600' S	NW Cor Sec 12
"	82	NW "	"	2640' E	600' S	NW " " "
"	83	NE "	"	600' S	of	NE Cor Sec 12
1320' EW x 120 N	84	NE "	"	1200' S	of	NE Cor Sec 11
1320 x 240	85	NW "	"	1200' S	of	NW Cor Sec 12
1320	86	NW "	"	1320' E	1200' S	NW Cor Sec 12
"	87	NE "	"	1320' W	1200' S	NE Cor Sec 12
"	88	NE "	"	1200' South		NE Corner Sec 12
"	89	NW "	"	1320' E	1800' S	NW Cor Sec 12
"	90	NW "	"	1320 E	2400' S	NW " " "
"	91	NE "	"	1320 W	2640' S	NE " " 12
"	92	NE "	"	2640' S	of	NE Cor Sec 12
1500' NWSE	93	S	Corner	1900' N	1900' W	SE Cor Sec 17
	94	S	"	1500' N	2300' W	SE Cor Sec 17

T20S R14E

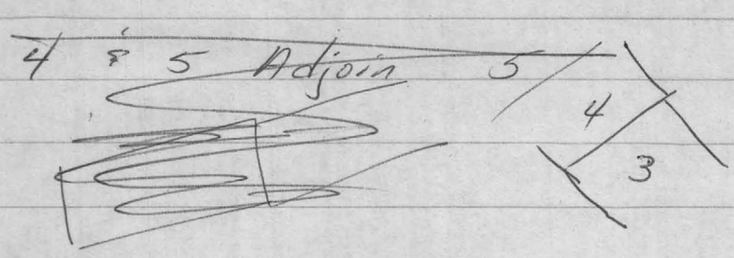
1500' WW-SE	Duke 95	S	Corner	950' N & 2650' W	SE Cor Sec 17
	96	S	Corner	470' N 3050' W	SE Cor Sec 17
	97	S	"	50' S 3050' W	SE " " "
	98	S	"	500' S 3800' W	SE " " "
	99	S	"	1000' S 3400' W	SE " " "
	100	W	"	2900' N 1150' W	SE " " "
	101	W	"	2450' N 1500' W	SE " " "
	102	W	"	1900' N 1900' W	SE " " "
	103	W	"	1450' N 2300' W	SE " " "
	104	W	"	950' N 2650' W	SE " " "
	105	W	"	450' N 3100' W	SE " " "
	106	W	"	1050' N 680' W	SE " " "
	107	W	"	550' N 1050' W	SE Cor Sec 17
	108	W	"	50' N 1400' W	SE Cor Sec 17
4320	109	NE	"	1320' W 2400' N	SE Cor Sec 12

T20S R13E

"	110	NE	"	2400' N, SE Cor Sec 12
	111	SE	"	1320' W 1320' N SE Cor Sec 12
	112	SE	"	1200' N of SE Cor Sec 12
	113	SE	"	600' N SE Cor Sec 12
	114	SE	"	= SE Cor Sec 12

Ronny 1
1/2 mile E Devil's Saddle, Montosa Canyon
Sec 20 T. 20 S R 14 E

Ronny 2 Adjoins Ronny 1 on SE end line



Ronny 4 Adjoins R 3 on its NW end line

oriented NW, SE

Ronny 6 Adjoins R 5 on SE end line

R 9 Adjoins R 8 on W side line

R 10 Adjoins R 7 on W side line

R 11 Adjoins R 10 on S end line
R 12 Adjoins R 11 on E side line

R 13 Adjoins R 12 on E side line

R 14 Adjoins R 13 on E side line

R 15 Adjoins R 14 on E side line

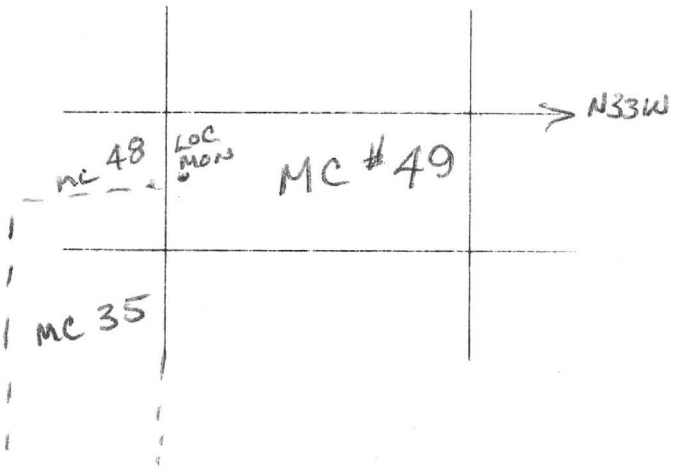
Affidavit of Labor filed 2-28-68

137 p 476 Ronny 1 & 2 Assessment work 2 May 1970
Weyenberg L. V.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC # 49 lode mining claim was located by ALLAN V. MORAN on APRIL 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N33°W - S33°E and is situated in the TYNDALL Mining District, SANTA CRUZ County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 33°W direction to the N W center end monument or stake and 20 feet in a S 33° E direction from the location monument or stake to the SE center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

THIS CLAIM IS ABOUT 2600 FEET N56W OF THE SE CORNER SEC 20 T20S R14E G. & SRM



William G. Freeman witness

Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

May 5, 1972

Mr. Russell Badgett, Jr.
1822 North Main Street
Madisonville, Kentucky 42431

Re: Montosa Canyon Project
GEOEX Job # 704

Dear Mr. Badgett:

Attached is a location plan and five sectional data sheets for the I. P. - magnetometer lines recently completed in the Montosa Canyon Area Santa Cruz County, Arizona. The plan overlays the sketch map sent April 12, 1972 and also shows the outline of the MC Claim Group consisting of 49 lode claims.

On Line 1 through 4, we obtained vertical magnetic intensity in addition to the 500 foot dipole spacing I. P. coverage. Line 5 is a 1500 foot dipole spacing line run to obtain extra deep sulfide information down to about 2000 feet below surface.

Several zones of very weak I. P. response were seen on the 500 foot dipole lines, near the quartz monzonite-sediment contact on Line 1 and in the quartz monzonite near the contact on Lines 2 and 4. This anomalous response is quite weak and apparently caused by very limited size sources and is not considered worth any additional follow-up work. The quartz monzonite is only slightly altered and probably carries minor pyrite.

A very weak and narrow I. P. anomaly was seen on the west half of Line 4 in the Cretaceous sediments correlating with a zone of pronounced magnetic variation. This I. P. response is perhaps reflecting the increased magnetite content in the area.

The deep I. P. coverage obtained on Line 5 shows no anomalism - implying the lack of any significant sized sulfide zones within the Cretaceous sediments away from the contact.

The magnetics show considerable erratic variation probably caused mainly by the numerous narrow magnetite pods and stringers geologically noted in much of the area, particularly in the Cretaceous sediments. The block of Cretaceous sediments, however, looked at as a whole, is a broad low implying considerable sediment thickness.

In view of the lack of positive encouragement, we recommend abandoning this project and not further perfecting the claims. If we run into

any interesting exploration targets we'll let you know.

Sincerely,
Heinrichs GEOEXploration Company

Chris S. Ludwig

Chris S. Ludwig
Senior Geophysicist

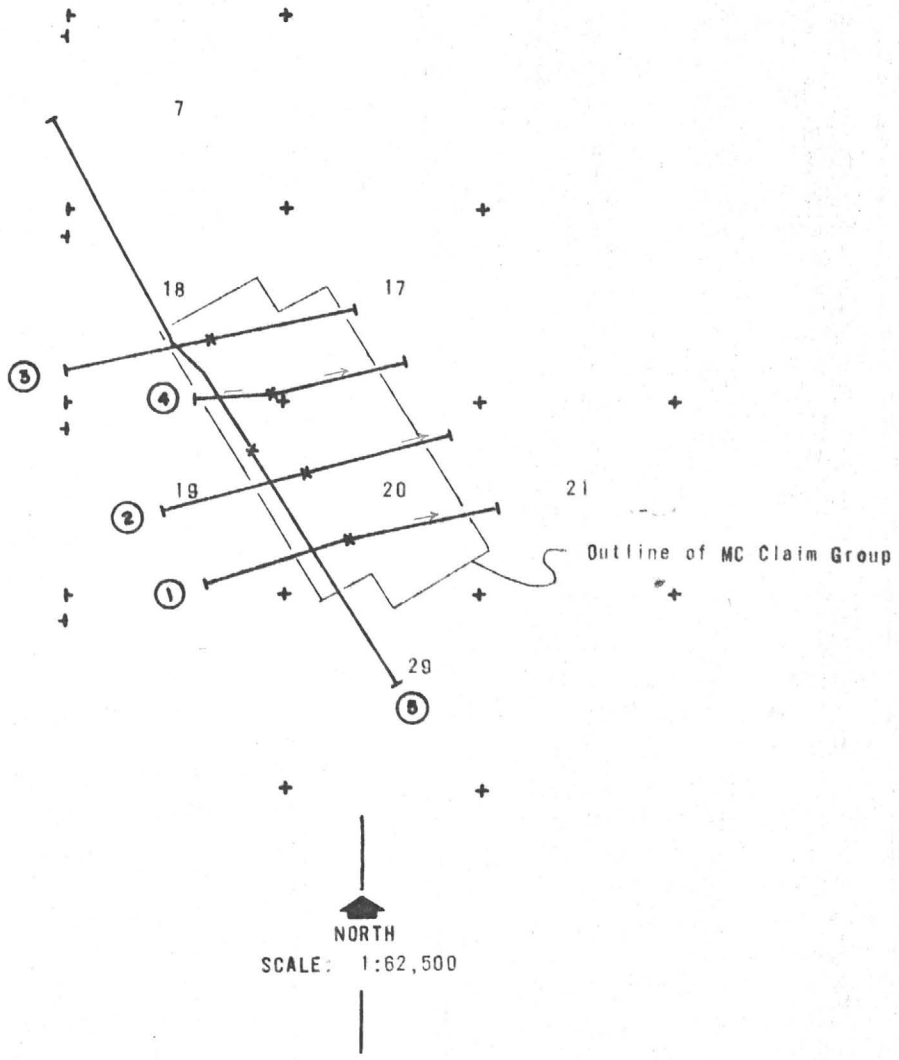
CSL:sb
Enclosures
cc: GEOEX Job # 704 file

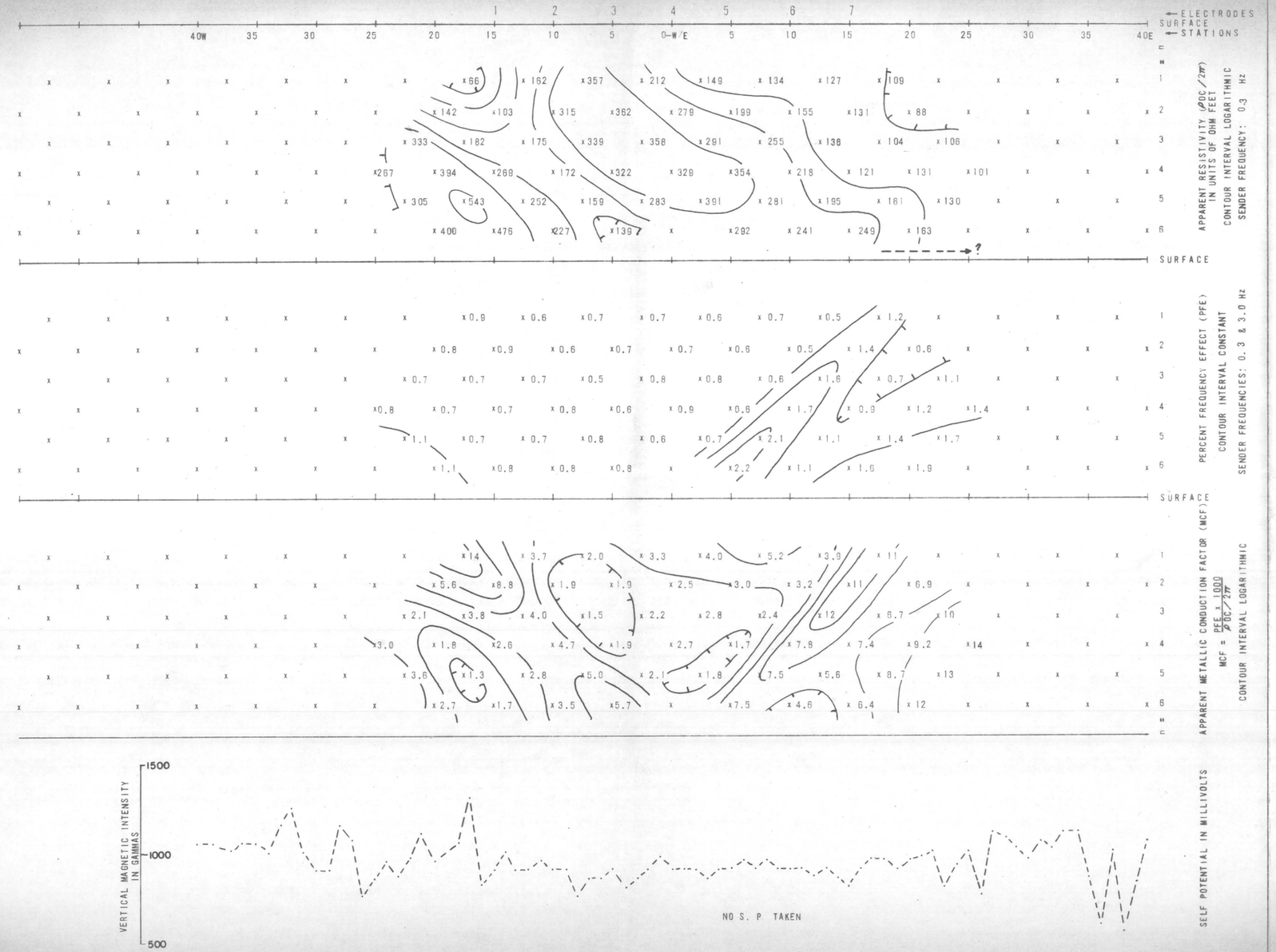
INDUCED POLARIZATION LOCATION
AND INTERPRETATION PLAN
of
MONTOSA CANYON AREA
SANTA CRUZ COUNTY, ARIZONA
for
MR. RUSSELL BADGETT, JR.
by
HEINRICHS GEOEXPLORATION COMPANY
Job number 704-72 April 1972

③	I.P. Line Number
—✕—	Electrode (Station Zero)
—|	Station (End of Line)
+	Section Corner
18	Section Number
——	Very Weak Anomalism

This sheet overlays U.S.G.S. Mount Wrightson Quadrangle.

R 14 E - T 20 S





704-72

LINE NO. 1

SPREAD(S) 1

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

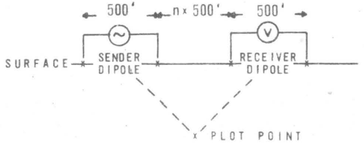
for

MR. RUSSELL BADGETT, JR.

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE DIPOLE ELECTRODE ARRAY



AREA

MONTOSA CANYON

LOOKING

N 12° W

DATE

APR 1972

HEINRICHS
GEOEXPLORATION COMPANY
GEOPHYSICAL ENGINEERS

AUSTRALIA
(SYDNEY)
39 Hume Street
Crows Nest, NSW
Phone: 439-1793

U.S.A.
Post Office Box 5964
Tucson, Arizona 85703
Phone: (602) 623-0578
Cable: GEOEX, Tucson

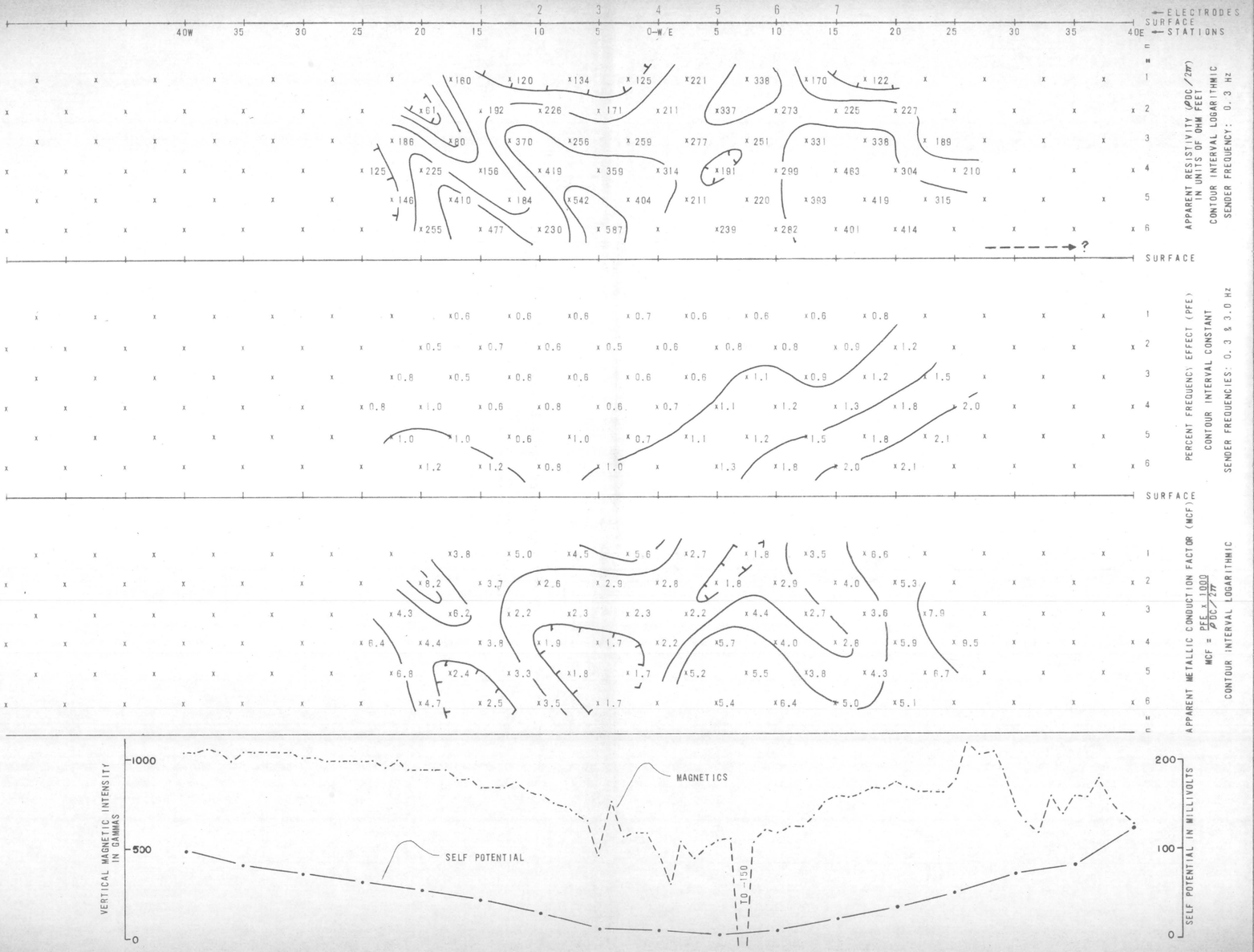
LINE NO. 2

SPREAD(S) 1

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET

for

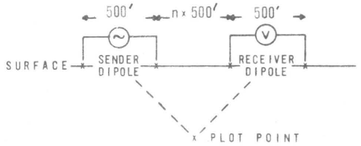
MR. RUSSELL BADGETT, JR.



RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE DIPOLE ELECTRODE ARRAY



AREA

MONTOSA CANYON

LOOKING

N 15° W

DATE

APR 1972

HEINRICHS
GEOEXPLORATION COMPANY
GEOPHYSICAL ENGINEERS
AUSTRALIA
(SYDNEY)
39 Hume Street
Crows Nest, NSW
Phone: 439-1793
U.S.A.
Post Office Box 5064
Tucson, Arizona 85703
Phone: (602) 623-0578
Cable: GEOEX, Tucson

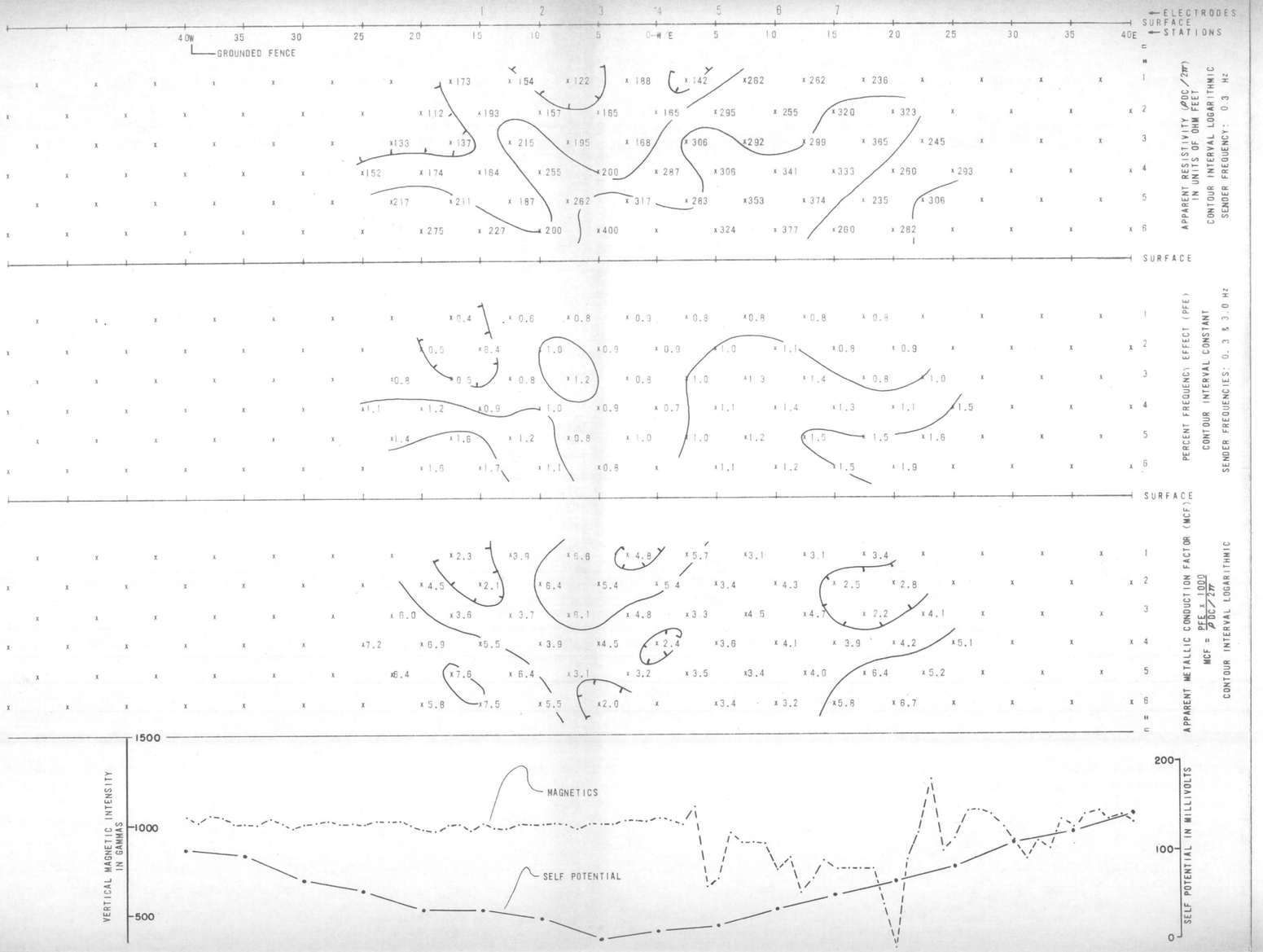
704-72

LINE NO. 3

SPREAD(S) 1

INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for

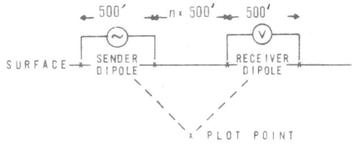
MR. RUSSELL BADGETT, JR.



RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE DIPOLE ELECTRODE ARRAY



AREA

MONTOSA CANYON

LOOKING

N 11° W

DATE

APR 1972

HEINRICHS
GEOEXPLORATION COMPANY
GEOPHYSICAL ENGINEERS

AUSTRALIA
(SYDNEY)
39 Hume Street
Crows Nest, NSW
Phone: 439-1793

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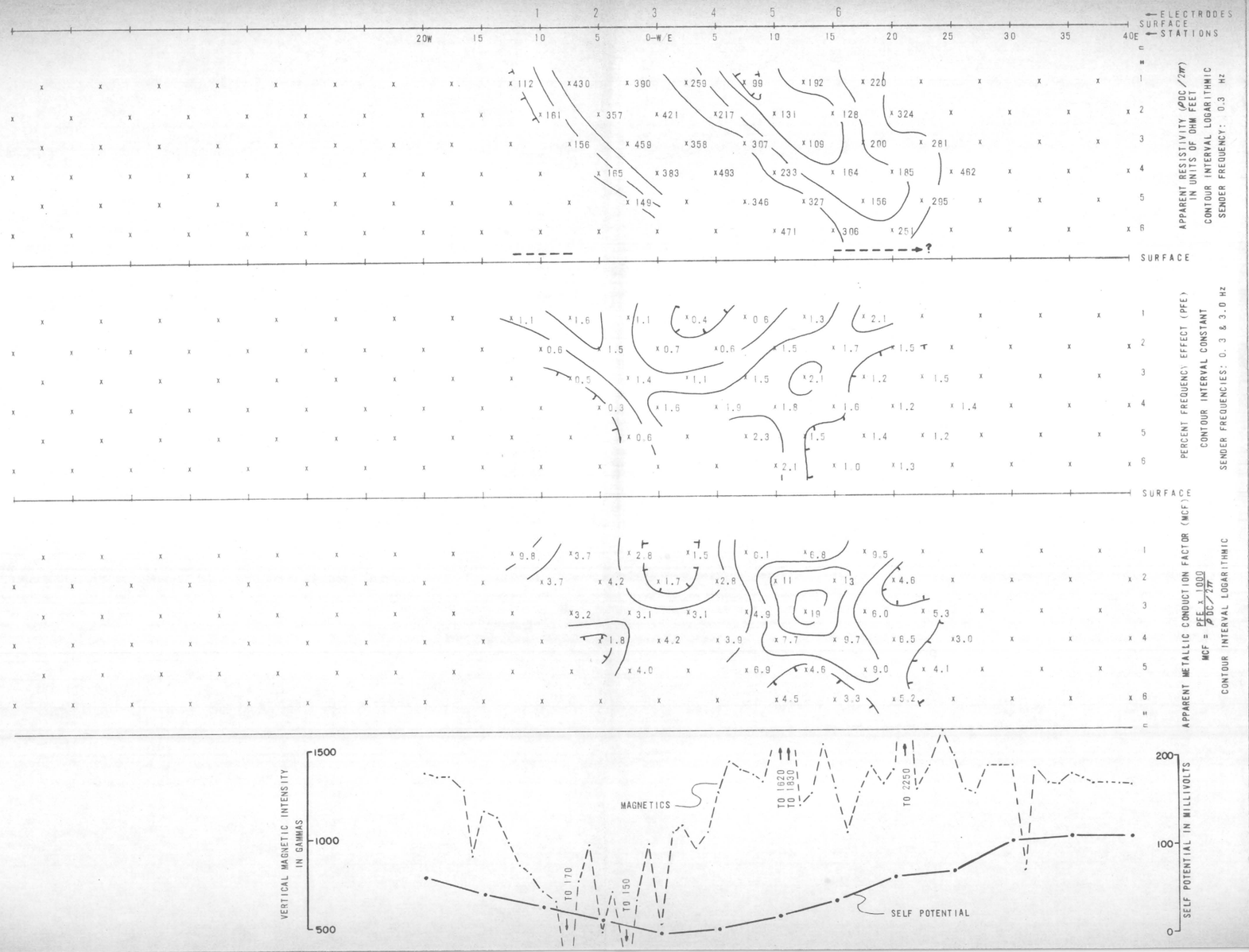
Phone: (602) 623-0578
Cable: GEOEX, Tucson



704-72

LINE NO.
4
SPREAD(S)
1

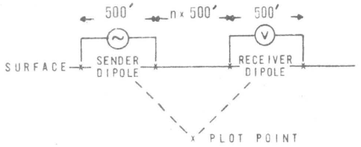
INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for

MR. RUSSELL BADGETT, JR.

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

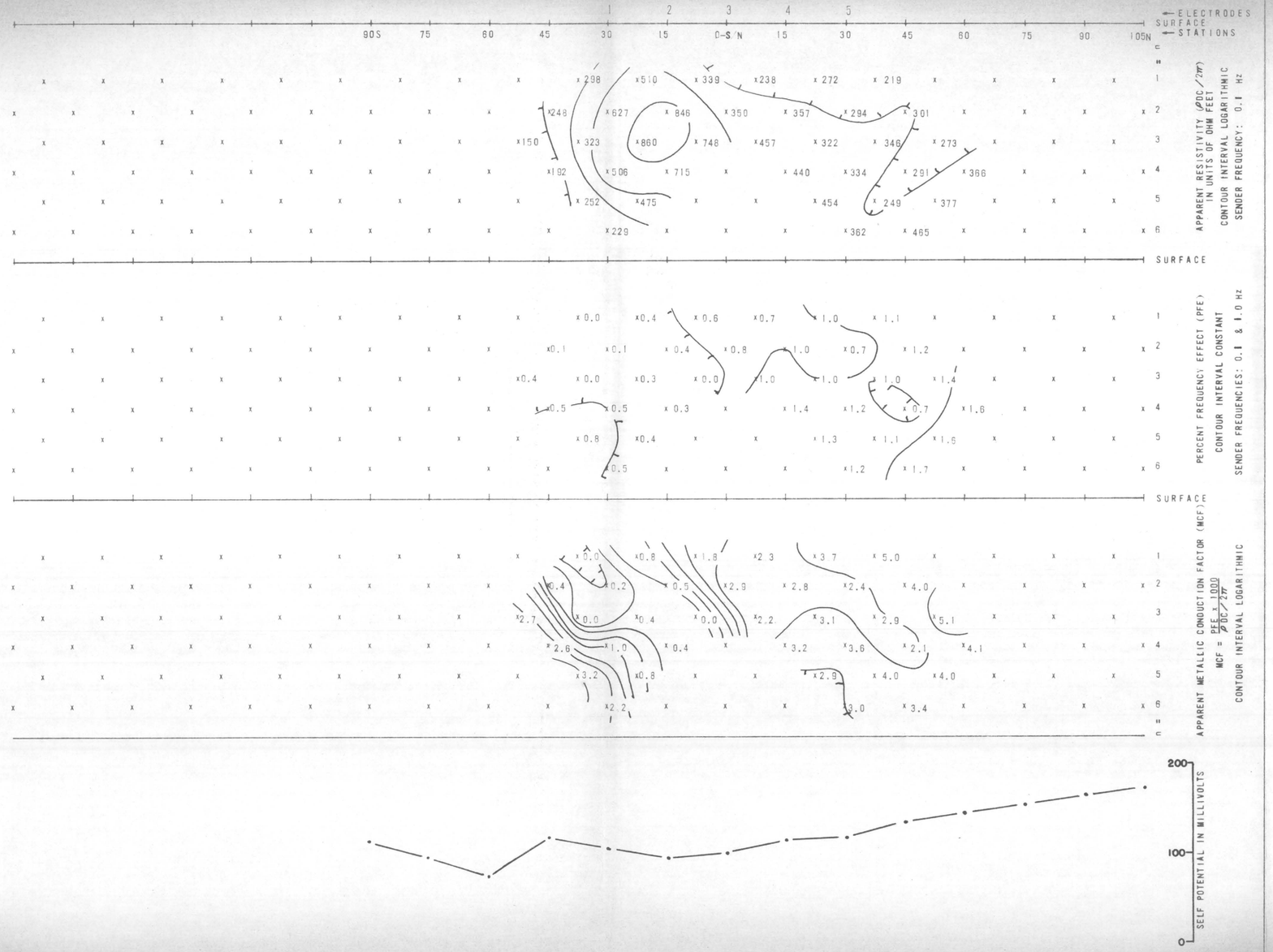
DIPOLE DIPOLE ELECTRODE ARRAY



AREA
MONTOSA CANYON
LOOKING
N 30° W

DATE
APR 1972

HEINRICHS
GEOEXPLORATION COMPANY
GEOPHYSICAL ENGINEERS
AUSTRALIA
(SYDNEY)
39 Hume Street
Crows Nest, NSW
Phone: 439-1793
U.S.A.
Post Office Box 5964
Tucson, Arizona 85703
Phone: (602) 623-0578
Cable: GEOEX, Tucson



704-72

LINE NO. 5

SPREAD(S) 1

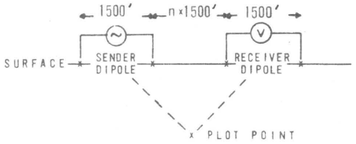
INDUCED POLARIZATION TRAVERSE SECTIONAL DATA SHEET for

MR. RUSSELL BADGETT, JR.

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

DIPOLE DIPOLE ELECTRODE ARRAY



AREA
MONTOSA CANYON

LOOKING
S 70° W

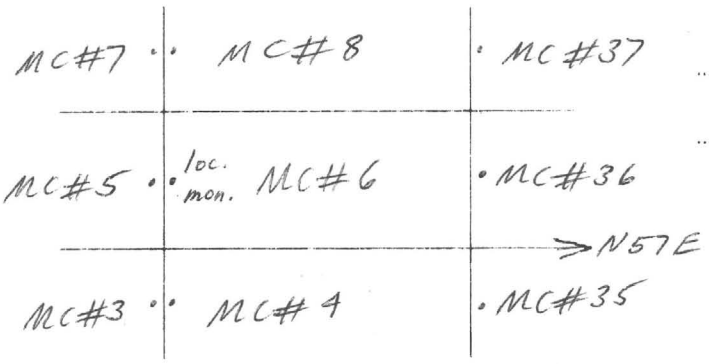
DATE
APR 1972

HEINRICHS
GEOEXPLORATION COMPANY
GEOPHYSICAL ENGINEERS
AUSTRALIA (SYDNEY) 39 Hume Street Crows Nest, NSW Phone: 439-1793
U.S.A. Post Office Box 5964 Tucson, Arizona 85703 Phone: (602) 623-0578 Cable: GEOEX, Tucson

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 6 lode mining claim was located by Allan V. Moran on April 4, 19 72 This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3800 feet N 66 W of the S E corner of sec 20, T 20 S, R 14 E, G&SRM.



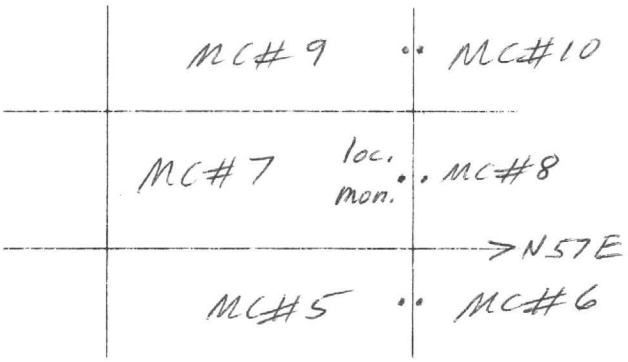
Wm. Henry Smith
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 7 lode mining claim was located by Allan V. Moran on April 4, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4300 feet N 62 W of the S E corner of sec 20, T 20 S, R 14 E, G&SRM.



Wm Ross Smith witness

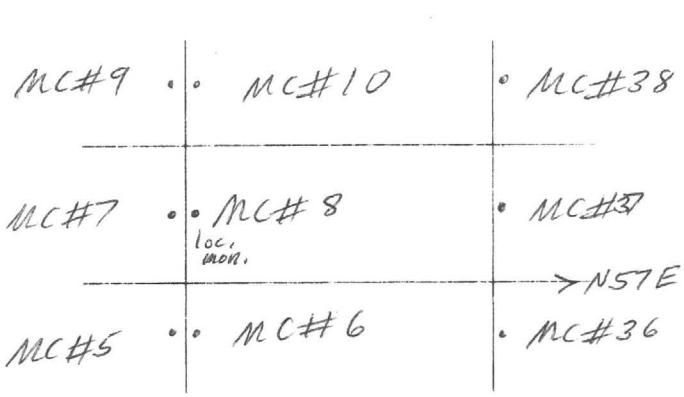
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 8 lode mining claim was located by Allan V. Moran on April 4, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4300 feet N 62 W of the S E corner of sec 20, T 20 S, R 14 E, G&SRM.



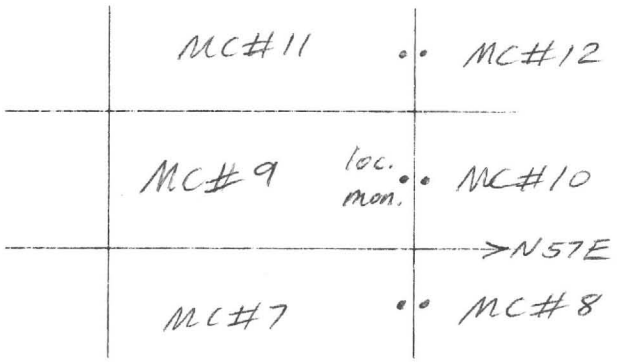
Wm. Harvey Smith contract
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 9 lode mining claim was located by Allan V. Moran on April 4, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4800 feet N 58 W of the S E corner of sec 20, T 20 S, R 14 E, G&SRM.



Wm Howes Smith witness

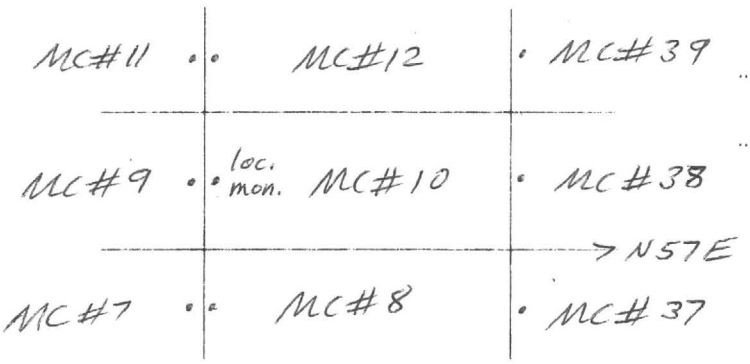
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 10 lode mining claim was located by Allan V. Moran on April 4, 19 72. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 4800 feet N 58 W of the S E corner of sec 20, T 20 S, R 14 E, G&SRM.



Wm Tracy, Sheet L. [illegible]

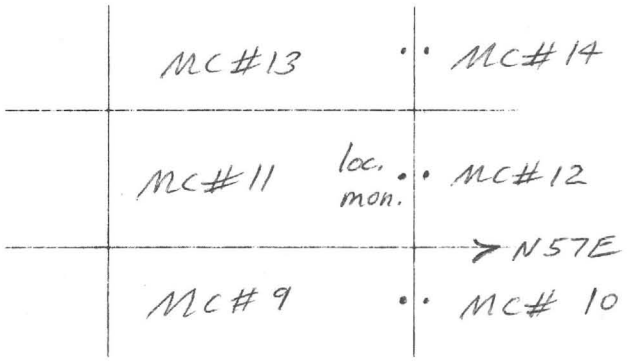
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 11 lode mining claim was located by Allan V. Moran on April 4, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2400 feet S 21 E of the NW corner of Sec 20, T 20 S, R 14 E, G&SRM.



Wm. Howes Lois Wetness

Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 12 lode mining claim was located by Allan V. Moran on April 4, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2400 feet S 21 E of the N W corner of sec 20, T 20 S, R 14 E, G&SRM.

MC#13	MC#14	MC#40
MC#11	loc. mon. MC#12	MC#39
		>N57E
MC#9	MC#10	MC#38

Wm. Perry Smith witness

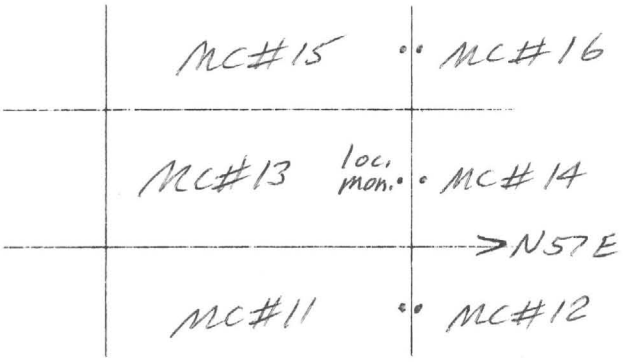
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 13 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1800 feet S 16 E of the N W corner of sec 20 , T 20 S, R 14 E, G&SRM.



Allan Moran witness

Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

M C # 13

Allan V. Moran April 72

N 57 E - S 57 W Tyndall

Santa Cruz

20 N 57 E N E

1480 S 57 W

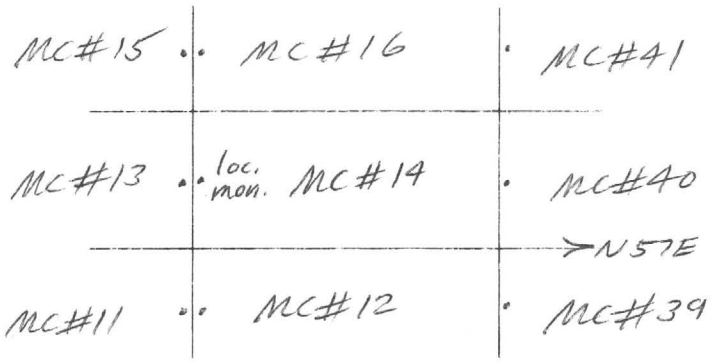
S W

This claim is about 1800 feet S 16 E of the N W corner of sec 20 , T 20 S, R 14 E, GASRM.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 14 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1800 feet S 16 E of the N W corner of sec 20, T 20 S, R 14 E, S&SRM.



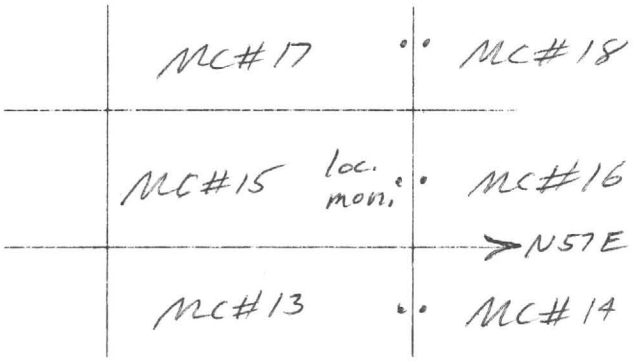
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 15 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1300 feet S 9 E of the N W corner of sec 20, T 20 S, R 14 E, G&SRM.



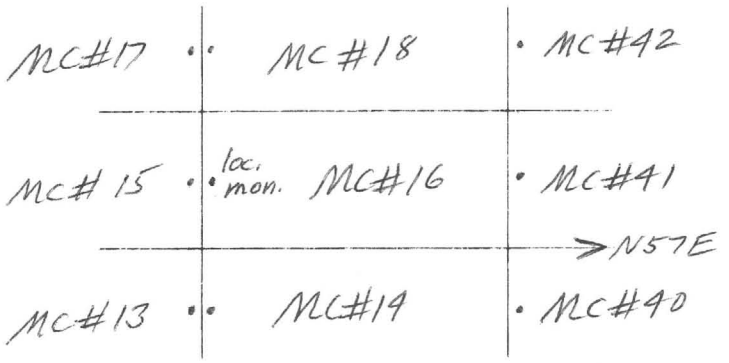
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 16 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1300 feet S 9 E of the N W corner of sec 20, T 20 S, R 14 E, G&SRM.



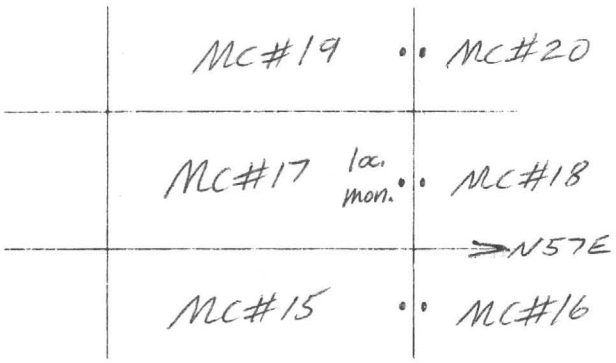
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 17 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 800 feet S 9 W of the N W corner of sec 20, T 20 S, R 14 E, G&SRM.



Wm. Vance Smith per Power of Attorney

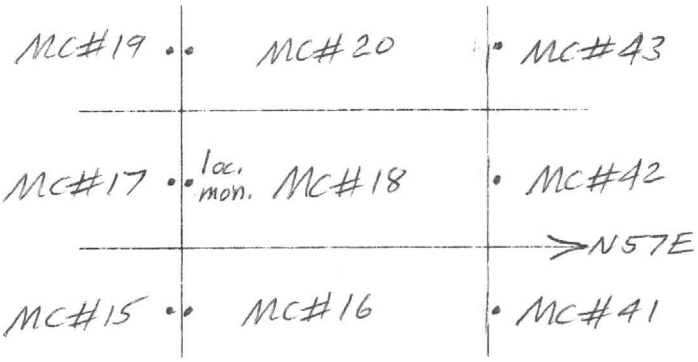
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 18 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2800 feet S 9 W of the N W corner of sec 20, T 20 S, R 14 E, G&SRM.



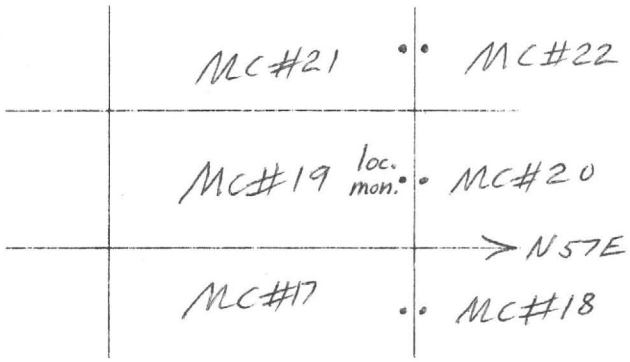
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 19 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E - S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57 E direction to the N E center end monument or stake and 1480 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 500 feet S 64 E of the N W corner of sec 20, T 20 S, R 14 E, G&SRM.



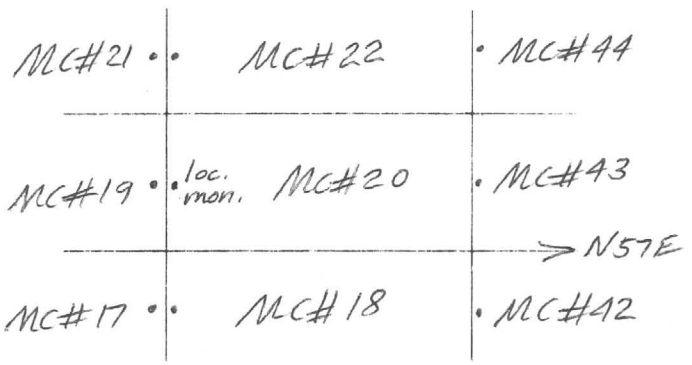
Wm. Vance Smith Locator
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the M C # 20 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57 E-S 57 W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N 57 E direction to the N E center end monument or stake and 20 feet in a S 57 W direction from the location monument or stake to the S W center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 500 feet S 64 W of the N W corner of sec 20, T 20 S, R 14 E, G&SRM.



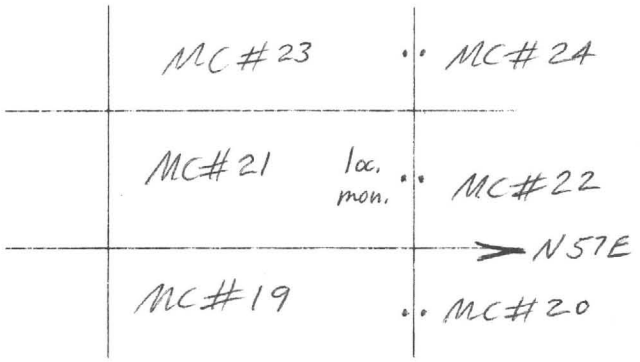
Wm. Dowey Smith & associates of
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #21 lode mining claim was located by Allan V. Moran on April 5, 19 72. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N 57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N 57E direction to the NE center end monument or stake and 1480 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 800 feet N70W of the SE corner of Sec. 18, T20S, R14E, G&SRM.



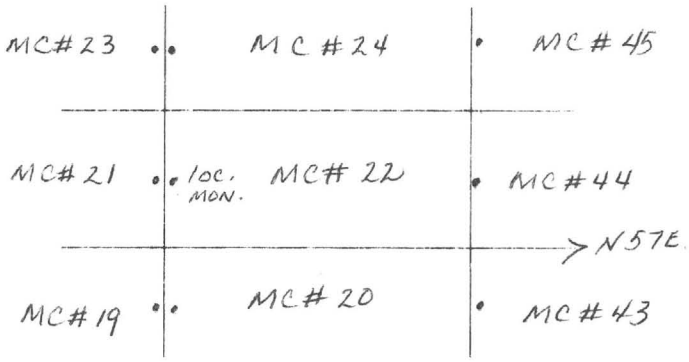
Wm. Rogers Smith Lacetree
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #22 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This Claim is about 800 feet N70W of the SE corner of sec. 18, T20S., R14E, G&SRM.



Wm. Powers Sec. Treas.

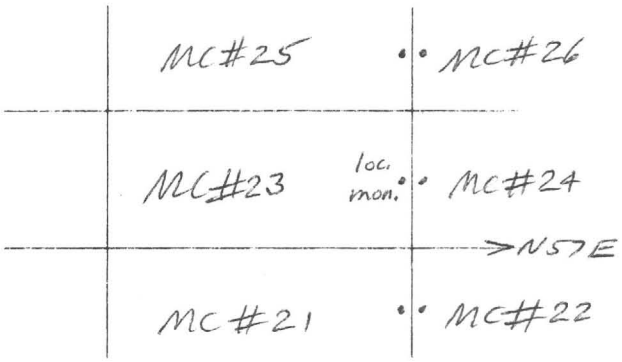
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #23 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N57E direction to the NE center end monument or stake and 1480 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1300 feet N54W of the SE corner of Sec. 18, T20S, R14E, G&SRM



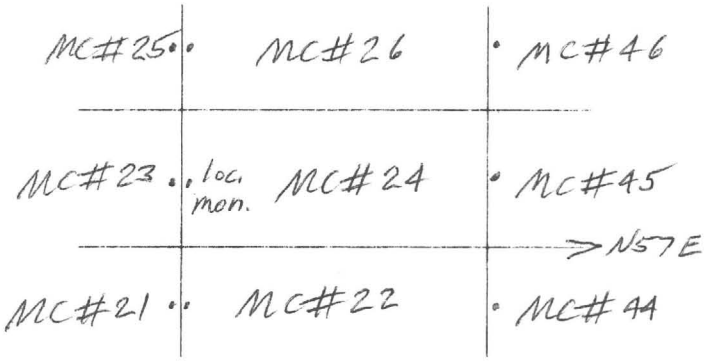
Wm. Torrey Sieck witness
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #24 **lode mining claim was located by** Allan V. Moran **on** April 5, 1972. **This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is** N57E-S57W **and is situated in the** Tyndall **Mining District,** Santa Cruz **County, Arizona. This claim runs from the location monument or stake on which the notice is posted** 1480 **feet in a** N57E **direction to the** NE **center end monument or stake and** 20 **feet in a** S57W **direction from the location monument or stake to the** SW **center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.**

This claim is about 1300 feet N54W of the SE corner of Sec. 18, T20S, R14 E., G&SRM.



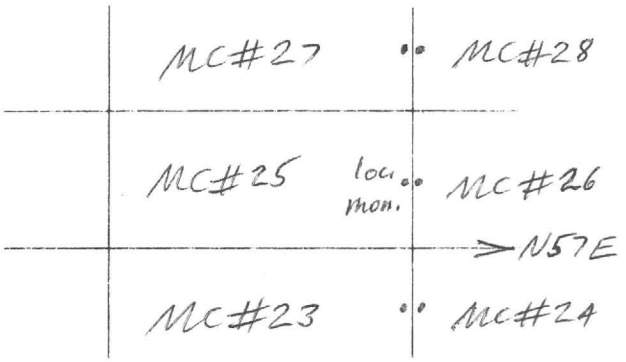
Wm. Harvey Smith
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #25 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N57E direction to the NE center end monument or stake and 1480 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1900 feet N46W of the SE corner of Sec. 18, T20S, R14E, G&SRM.



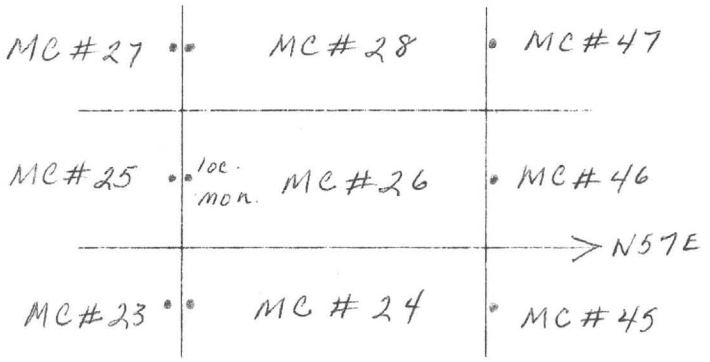
Wm. Howey Smithemitrey
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #26 lode mining claim was located by Allan V. Moran on April 5, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1900 feet N46W of the SE corner of Sec. 18, T20S, R14E, G&SRM.



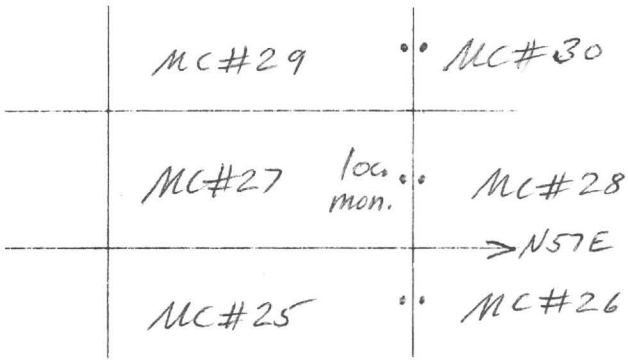
Wm. Harvey Smith witnessed
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #27 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N57E direction to the NE center end monument or stake and 1480 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2500 feet N43W of the SE corner of Sec. 18, T20S, R14E, G&SRM.



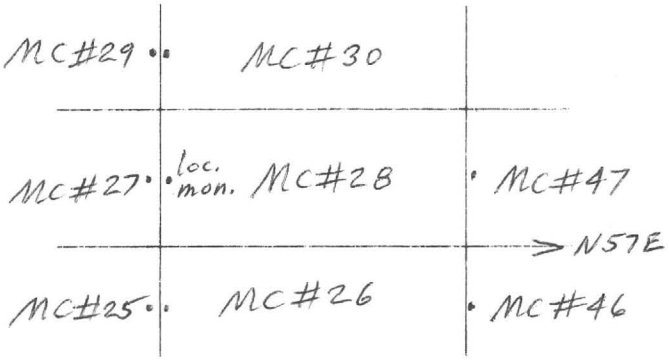
Wm. Howes Smith executor
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #28 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2500 feet N43W of the SE corner of Sec. 18, T20S, R14E, G&SRM.



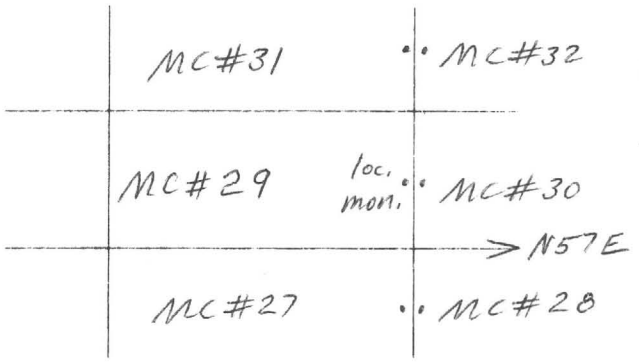
Wm. Vovey Smith eve Cress
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #29 lode mining claim was located by Allan V. Moran on April 7, 19 72. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N57E direction to the NE center end monument or stake and 1480 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3100 feet N41W of the SE corner of Sec. 18, T20S, R14E, G&SRM.



Wm. Harvey Smith witness

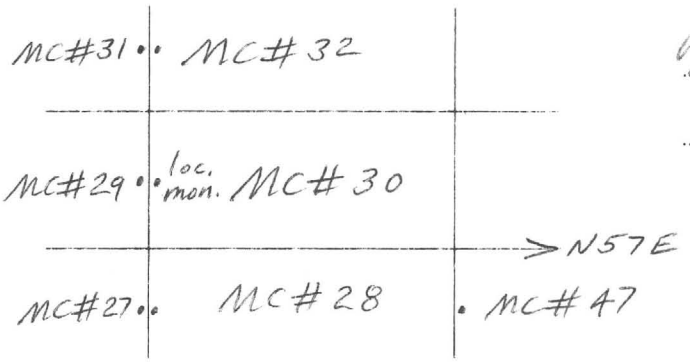
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #30 **lode mining claim** was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall **Mining District,** Santa Cruz **County, Arizona. This claim runs from the location monument or stake on which the notice is posted** 1480 **feet in a** N57E **direction to the** NE center end monument or stake and 20 **feet in a** S57W **direction from the location monument or stake to the** SW **center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.**

This claim is about 3100 feet N41W of the SE corner of Sec. 18, T20S, R14E, G&SRM.



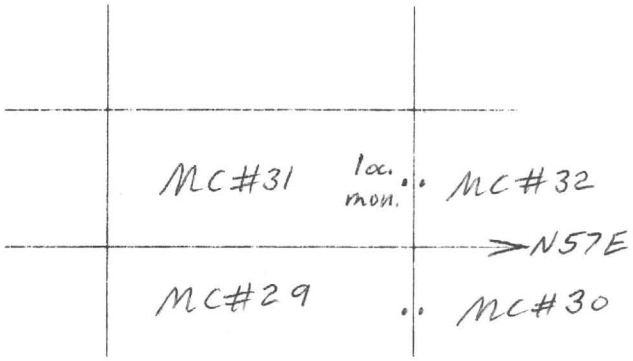
Wm. Vovey Smith witness
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #31 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 20 feet in a N57E direction to the NE center end monument or stake and 1480 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3600 feet N39W of the SE corner of Sec. 18, T20S, R14E, G&SRM.



Wm. Harvey Smith witness
Allan V. Moran
Locator

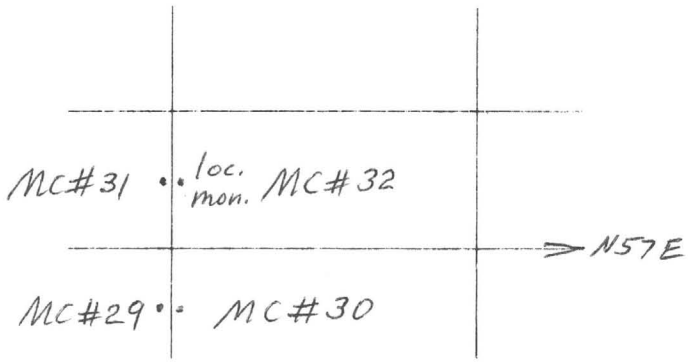
Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #32 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3600 feet N39W of the SE corner of Sec. 18, T20S, R14E, G&SRM.

Wm. Howey Smith witness
Allan V. Moran
Locator

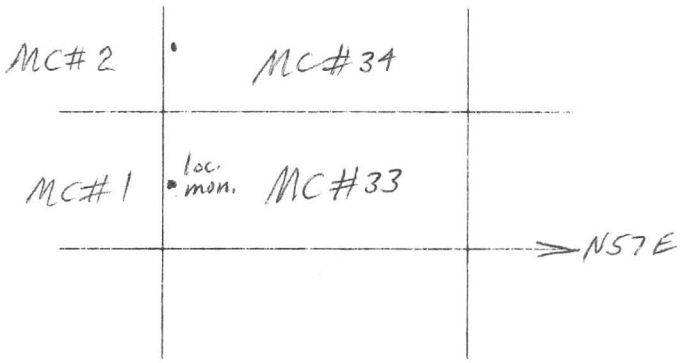


Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #33 lode mining claim was located by Allan V. Moran on April 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1400 feet N56W of the SE corner of Sec. 20, T20S, R14E, G&SRM.



William D. Freeman - witness

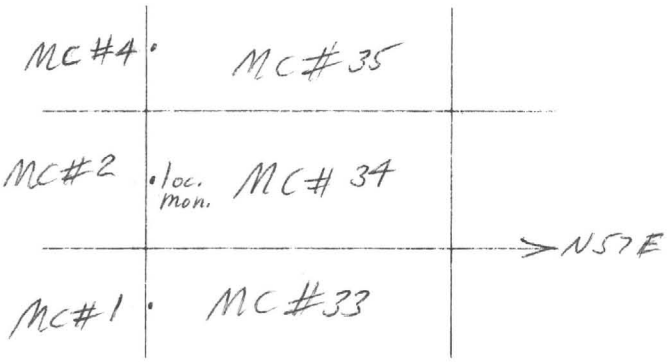
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #34 lode mining claim was located by Allan V. Moran on April 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2000 feet N50W of the SE corner of Sec. 20, T20S, R14E, G&SRM.



William J. Freeman - witness

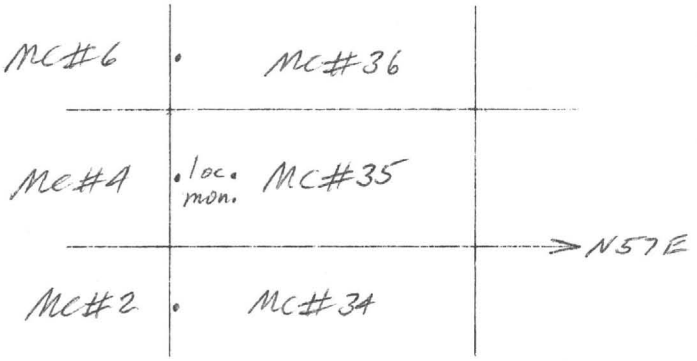
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC # 35 lode mining claim was located by Allan V. Moran on April 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2600 feet N56W of the SE corner of Sec. 20, T20S, R14E, G&SRM.



William J. Freeman - witness

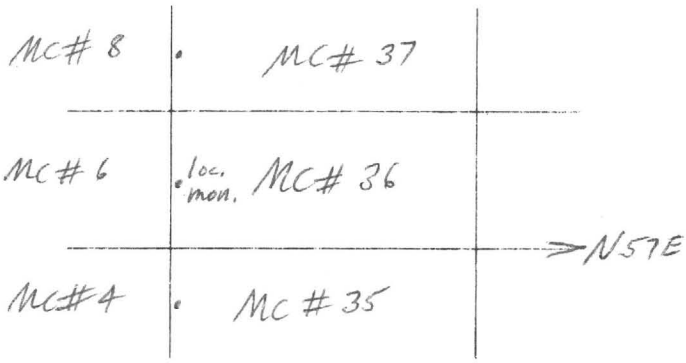
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC # 36 lode mining claim was located by Allan V. Moran on April 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3200 feet N44W of the SE corner of Sec. 20, T20S, R14E, G&SRM.



William J. Freeman — witness

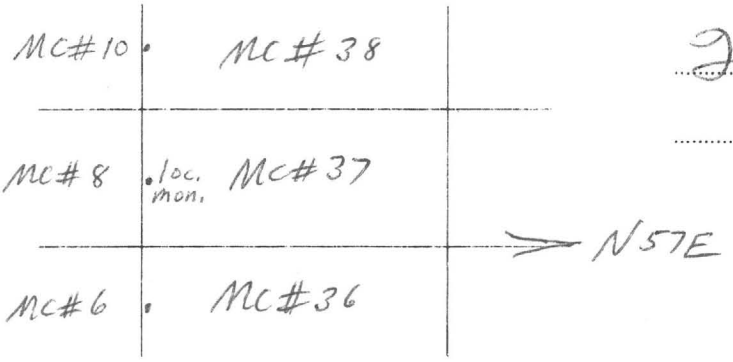
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #37 lode mining claim was located by Allan V. Moran on April 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 3800 feet N42W of the SW corner of Sec. 20, T20S, R14E, G&SRM.



William J. Inama — witness

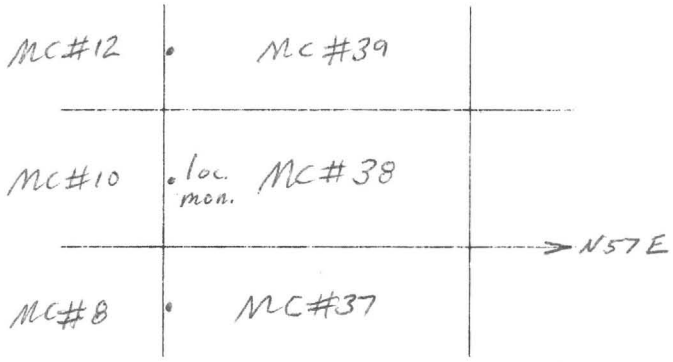
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #38 lode mining claim was located by Allan V. Moran on April 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This Claim is about 4400 feet N40W of the SE corner of Sec. 20, T20S, R14E, G&SRM.



William J. Freeman — witness

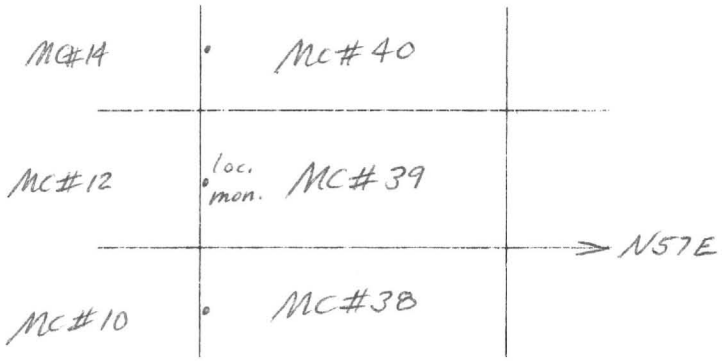
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC # 39 lode mining claim was located by Allan V. Moran on April 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2600 feet S57E of the NW corner of Sec. 20, T20S, R14E, G&SRM.



William J. Freeman - witness

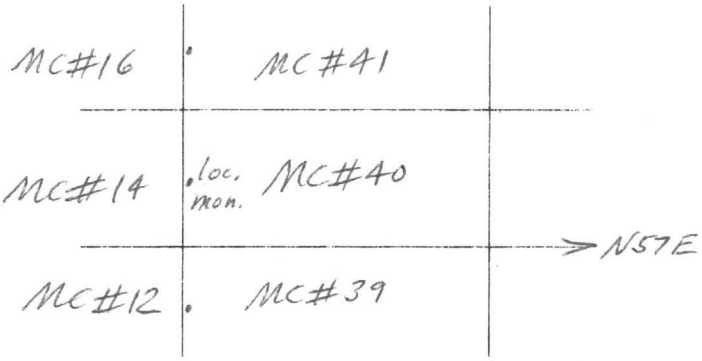
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #40 lode mining claim was located by Allan V. Moran on April 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2000 feet S63E of the NW corner of Sec. 20, T20S, R14E, G&SRM.



William J. Freeman — witness

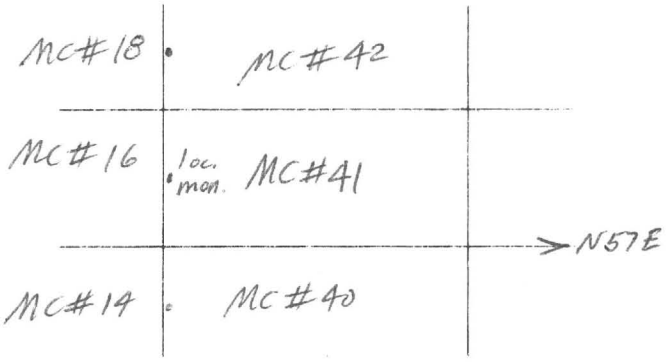
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #41 lode mining claim was located by Allan V. Moran on April 10, 19 72. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1500 feet S74E of the NW corner of Sec. 20, T20S, R14E, G&SRM.



William J. Freer witness

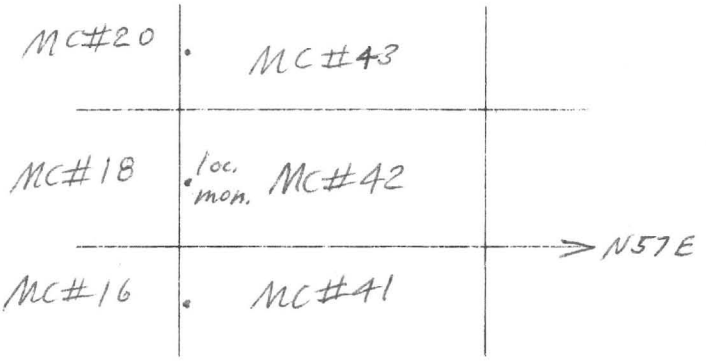
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #42 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1200 feet N88E of the NW corner of Sec. 20, T20S, R14E, G&SRM.



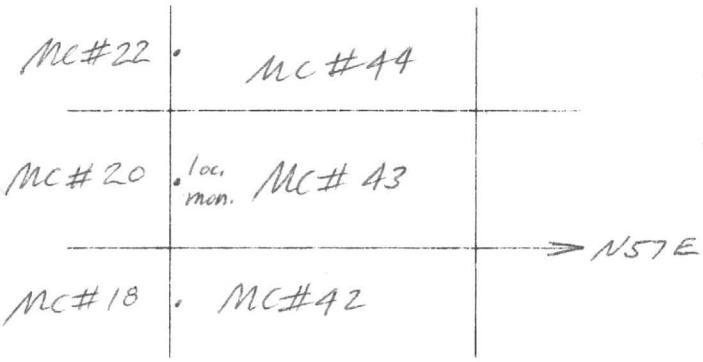
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #43 lode mining claim was located by Allan V. Moran on April 7, 19 72. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1000 feet N58E of the NW corner of Sec. 20, T20S, R14E, G&SRM.



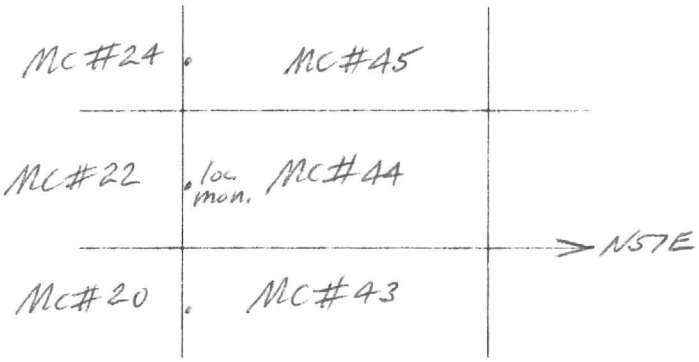
Wm. Dorsey Smith executor
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #44 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1200 feet N25E of the NW corner of Sec. 20, T20S, R14E, G&SRM.



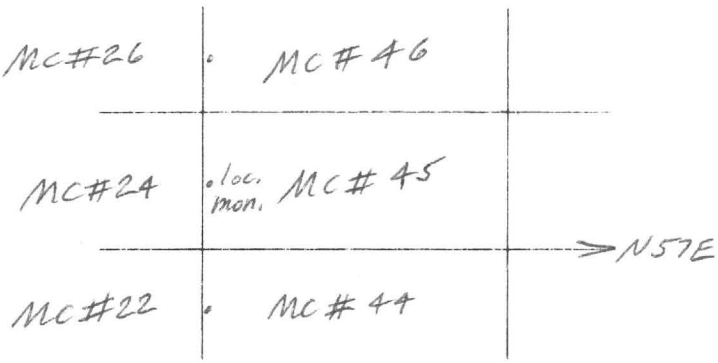
Wm. Dowey Smith witness
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #45 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1700 feet N07E of the NW corner of Sec. 20, T20S, R14E, G&SRM.



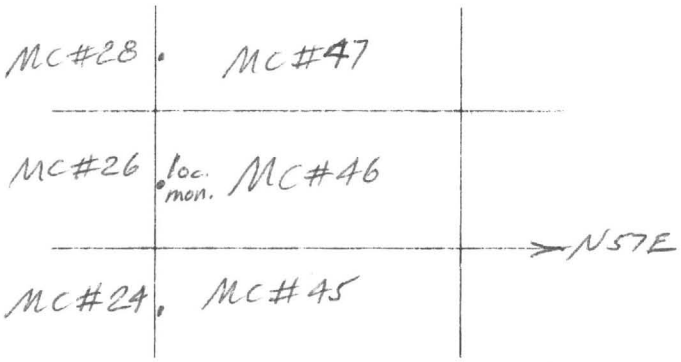
Allan Dowey Smith executor of
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #46 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 1200 feet N02W of the NW corner of Sec. 20, T20S, R14E, G&SRM.



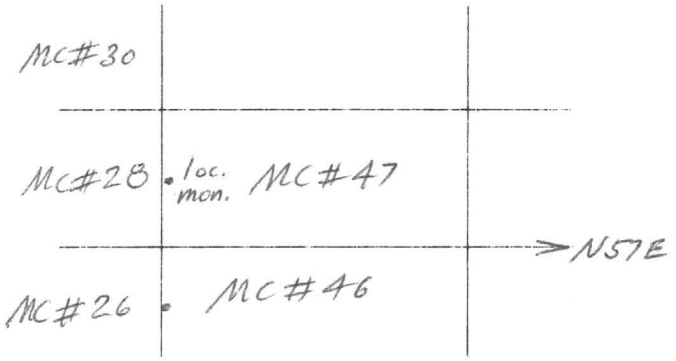
Wm. Henry Smith witness
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC #47 lode mining claim was located by Allan V. Moran on April 7, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N57E-S57W and is situated in the Tyndall Mining District, Santa Cruz County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a N57E direction to the NE center end monument or stake and 20 feet in a S57W direction from the location monument or stake to the SW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

This claim is about 2700 feet N09W of the NW corner of Sec. 20, T20S, R14E, G&SRM.



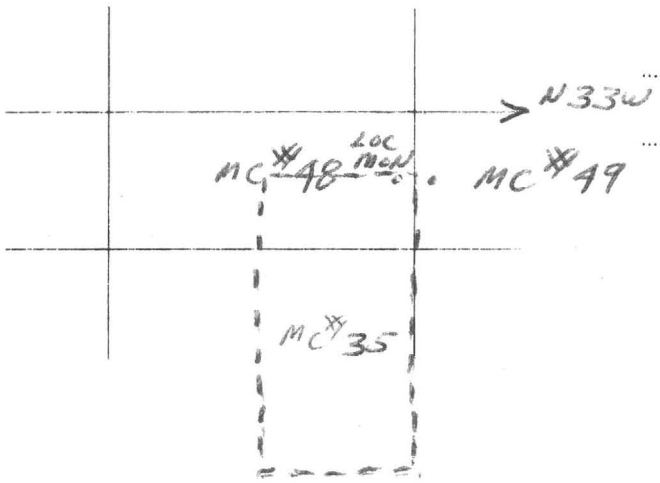
Wm. Henry Smith witness
Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

Notice of Location
(LODE)

NOTICE IS HEREBY GIVEN that the MC # 48 lode mining claim was located by ALLAN V. MORAN on APRIL 10, 1972. This claim is 1,500 feet in length along the vein or deposit of mineral-bearing rock in place and 300 feet in width on each side of the middle of said vein or deposit at which this notice is posted. The general course of this claim is N33W - S 33E and is situated in the TYNDALL Mining District, SANTA CRUZ County, Arizona. This claim runs from the location monument or stake on which the notice is posted 1480 feet in a S33E direction to the SE center end monument or stake and 20 feet in a N33W direction from the location monument or stake to the NW center end monument or stake, and is also marked by two corner monuments or stakes at each end of the claim, one on each side of and 300 feet from the center end monuments or stakes, making the claim in the form of a parallelogram.

THIS CLAIM IS ABOUT 2600 FEET N56W OF THE SE COR SEC 20 T20S R14E G+SRM



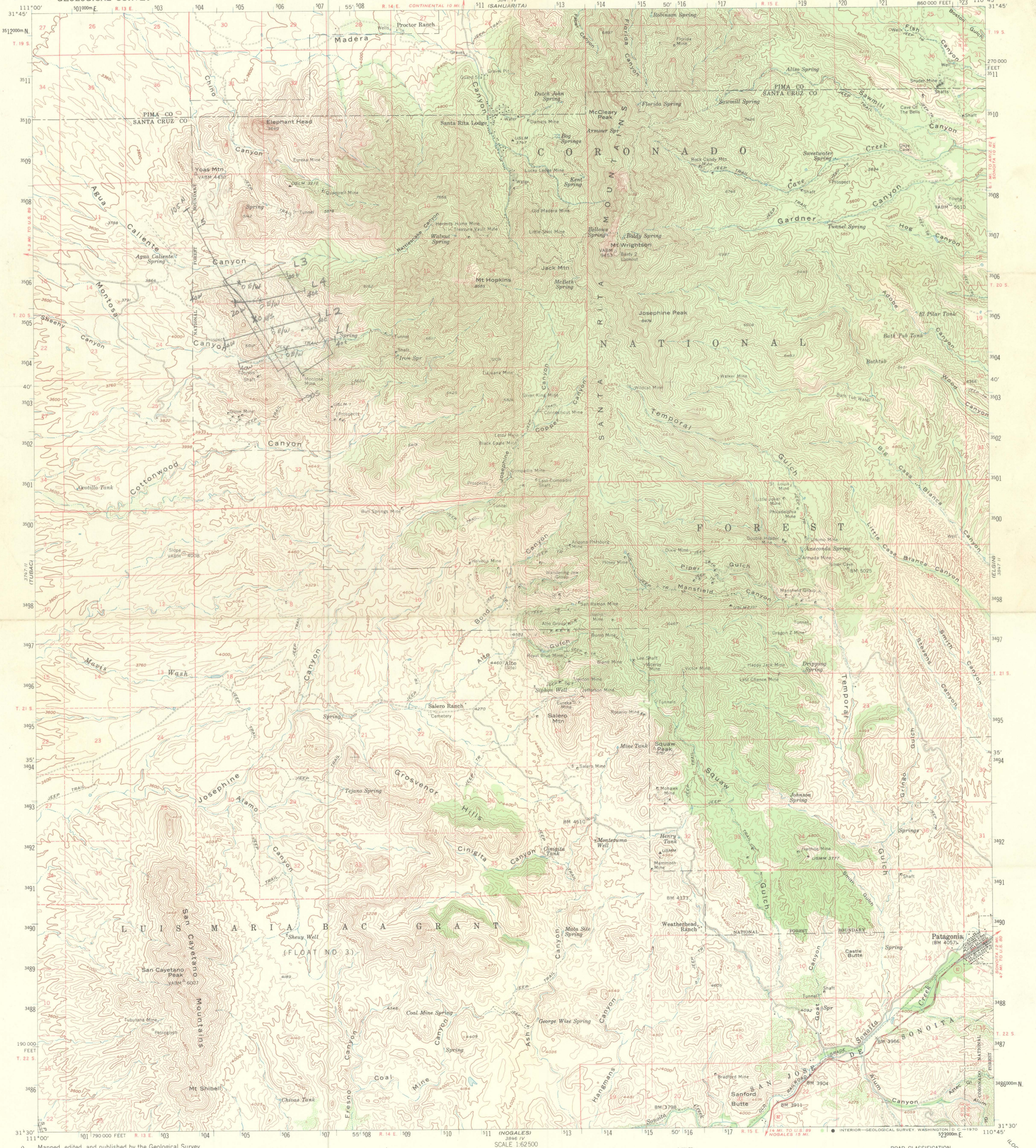
William J. Freeman - witness

Allan V. Moran
Locator

Write on the above lines the locality of the claim with reference to some natural object or permanent monument whereby the claim can be identified. Give the section, township and range if known and, if possible, the direction and distance from the nearest public survey marker. It is advisable to make a sketch in the space above, showing the adjoining and overlapping claims. If this is an amendment of a location notice, give the name and book and page of recording of the claim being amended.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MOUNT WRIGHTSON QUADRANGLE
ARIZONA
15 MINUTE SERIES (TOPOGRAPHIC)



SCALE 1:62500

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1955. Field check 1958

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue

Dashed land lines indicate approximate locations
Land lines unsurveyed in T. 20 S.–R. 15 E., and parts of
T. 20 S.–R. 16 E., T. 21 S.– Rs. 13, and 15 E.,
and T. 22 S.–Rs. 13, 14, and 15 E.

Unchecked elevations are shown in brown

UTM GRID AND 1958 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ARIZONA
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Heavy-duty · Light-duty
Medium-duty · Unimproved dirt
State Route

MOUNT WRIGHTSON, ARIZ.
N3130—W11045/15

1958

AMS 3847 III—SERIES V798

HEINRICHS GEOEXPLORATION CO.
POST OFFICE BOX 5964
TUCSON, ARIZONA (85703)
PHONE 623-0578

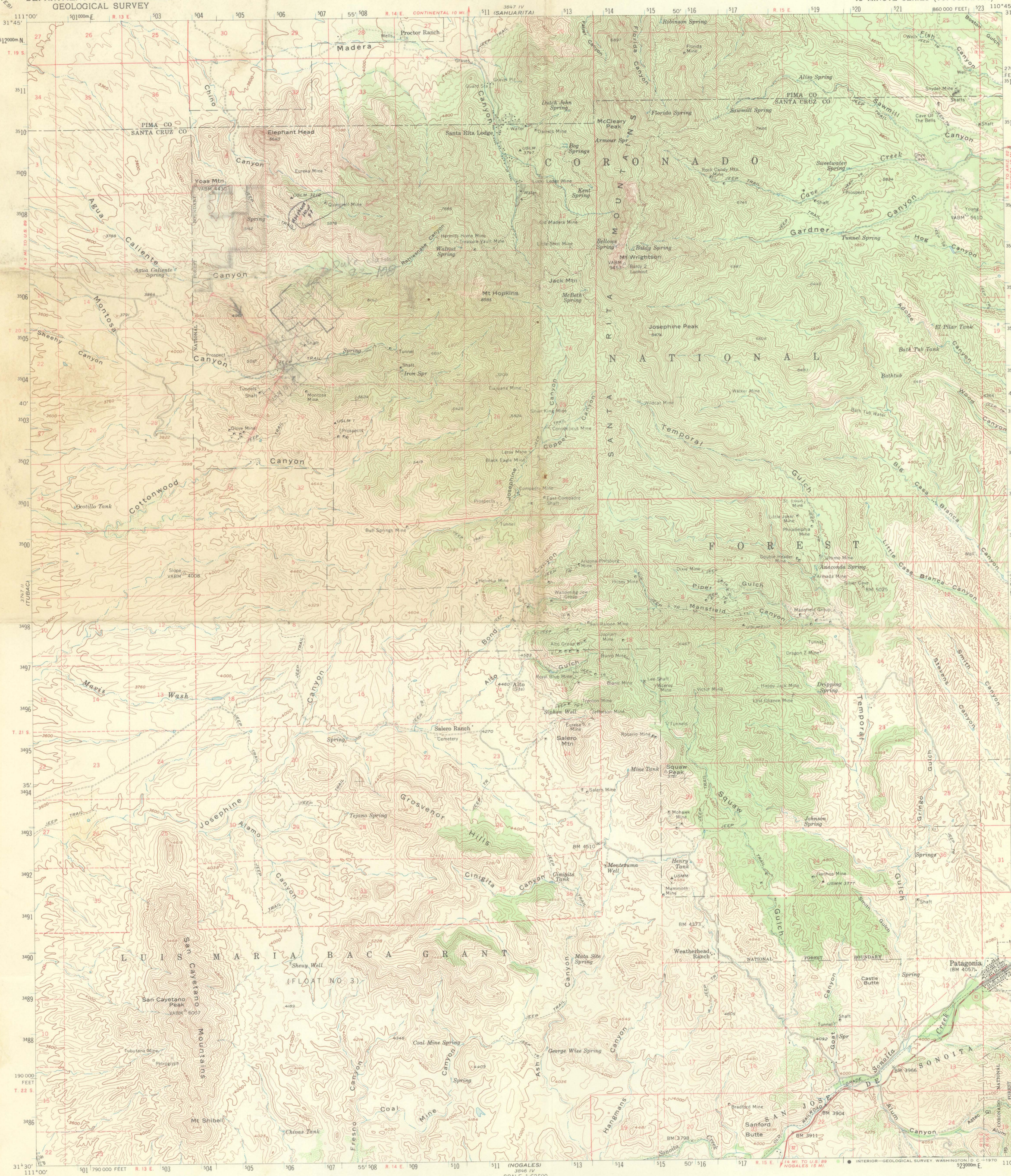
JOB 704 LINE 2 SPREAD 1 W 1/2 4/12/72 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.30	193.000	0.00	3.00	.30	-.3000	1.0363

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	134.48	.60	4.5	.60	4.5	0.00	**	.30	5.00	1	1	430.000	0.00
2	2	171.21	.50	2.9	.50	2.9	0.00	**	.20	5.00	2	2	137.000	0.00
3	3	258.95	.60	2.3	.60	2.3	0.00	**	.30	5.00	3	3	82.800	0.00
4	4	313.68	.70	2.2	.70	2.2	0.00	**	.40	5.00	4	4	50.100	0.00
5	1	124.60	.70	5.6	.70	5.6	0.00	**	.40	5.00	5	1	398.000	0.00
6	2	211.42	.60	2.8	.60	2.8	0.00	**	.30	5.00	6	2	169.000	0.00
7	3	276.78	.60	2.2	.60	2.2	0.00	**	.30	5.00	7	3	88.500	0.00
8	1	221.42	.60	2.7	.60	2.7	0.00	**	.30	5.00	8	1	708.000	0.00
9	2	336.51	.60	1.8	.60	1.8	0.00	**	.30	5.00	9	2	269.000	0.00
10	1	338.08	.60	1.8	.60	1.8	0.00	**	.30	5.00	10	1	1081.000	0.00
11	1	119.78	.60	5.0	.60	5.0	0.00	**	.30	5.00	11	1	383.000	0.00
12	2	226.43	.60	2.6	.60	2.6	0.00	**	.30	5.00	12	2	181.000	0.00
13	3	256.14	.60	2.3	.60	2.3	0.00	**	.30	5.00	13	3	81.900	0.00
14	4	359.03	.60	1.7	.60	1.7	0.00	**	.30	5.00	14	4	57.400	0.00
15	5	404.31	.70	1.7	.70	1.7	0.00	**	.40	5.00	15	5	36.900	0.00
16	1	159.50	.60	3.8	.60	3.8	0.00	**	.30	5.00	16	1	510.000	0.00
17	2	191.59	.70	3.7	.70	3.7	0.00	**	.40	5.00	17	2	153.000	0.00
18	3	369.77	.80	2.2	.80	2.2	0.00	**	.50	5.00	18	3	118.000	0.00
19	4	418.66	.80	1.9	.80	1.9	0.00	**	.50	5.00	19	4	66.800	0.00
20	5	541.79	1.00	1.8	1.00	1.8	0.00	**	.70	5.00	20	5	49.300	0.00
21	6	587.29	1.00	1.7	1.00	1.7	0.00	**	.70	5.00	21	6	33.400	0.00
22	2	61.11	.50	8.2	.42	6.9	.08	**	.20	5.00	22	2	48.900	0.00
23	3	80.30	.50	6.2	.37	4.7	.13	**	.20	5.00	23	3	25.700	0.00
24	4	156.37	.60	3.8	.51	3.2	.09	**	.30	5.00	24	4	25.000	0.00
25	5	183.89	.60	3.3	.47	2.6	.13	**	.30	5.00	25	5	16.800	0.00
26	6	229.89	.80	3.5	.66	2.9	.14	**	.50	5.00	26	6	13.100	0.00
27	3	185.83	.80	4.3	.80	4.3	0.00	**	.50	5.00	27	3	59.300	0.00
28	4	225.44	1.00	4.4	1.00	4.4	0.00	**	.70	5.00	28	4	35.900	0.00
29	5	409.91	1.00	2.4	1.00	2.4	0.00	**	.70	5.00	29	5	37.300	0.00
30	6	477.45	1.20	2.5	1.20	2.5	0.00	**	.90	5.00	30	6	27.100	0.00
31	4	125.35	.80	6.4	.67	5.4	.13	**	.50	5.00	31	4	20.000	0.00
32	5	146.16	1.00	6.8	.82	5.6	.18	**	.70	5.00	32	5	13.300	0.00
33	6	255.46	1.20	4.7	1.08	4.2	.12	**	.90	5.00	33	6	14.500	0.00

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MOUNT WRIGHTSON QUADRANGLE
ARIZONA
15 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

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Topography from aerial photographs by photogrammetric methods
Aerial photographs taken 1955. Field check 1958

Polyconic projection. 1927 North American datum
10,000-foot grid based on Arizona coordinate system, central zone
1000-meter Universal Transverse Mercator grid ticks,
zone 12, shown in blue

Dashed land lines indicate approximate locations
Land lines unsurveyed in T. 20 S.–R. 15 E., and parts of
T. 20 S.–R. 16 E., T. 21 S.–Rs. 13, and 15 E.,
and T. 22 S.–Rs. 13, 14, and 15 E.

Unchecked elevations are shown in brown

UTM GRID AND 1958 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

SCALE 1:62500

CONTOUR INTERVAL 80 FEET
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
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A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1970

ROAD CLASSIFICATION
Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
State Route

ARIZONA
QUADRANGLE LOCATION

MOUNT WRIGHTSON, ARIZ.
N3130—W11045/15
1958
AMS 3847 III—SERIES V798