was heading back down stream to make sure ~~that~~ to see if I could find the intersection -- I thought I had passed it. I found it all right! It was essentially quick-sand and I got in it. It was a blind intersection. Probably the worst that I have ever been stuck. It was about 4:30 and I made up my mind I didn't think I would ever get out of there alone, but decided that I would work to free the vehicle until I was satisfied that there was a reasonable chance of success or until 6:30 whichever came earlier and then give it a try. 6:30 came first. I didn't think I would every get out. I had only the right ~~for~~ front wheel and the left rear wheel jacked up, with branches and rocks under them. It was 6:30 so I backed it out of there! I then proceeded to take heavy mineral sample #16 bec ause I wasn't satisfied that I was actually in the stream section that I was looking for and so I took No. 16.

The sunset tonight is as beautiful as anything I have ever seen.

The hour is 1955. Finally made Florence after having reconciled myself to spending the night in a not so dry wash.

This is the log for 8 August 1968
Good Night Jean!

Good Morning, Jean.

This will be the daily log for 9 August 1968, leaving Florence at 0830 Mileage 12789.

Started Traverse C approximately 1000 ft. east of station A20 on Traverse A, Traverse C is along the highline road. Sampleno C-11 appears to be on top of Gila conglomerate. Sample No. C 10 appears to be on top of some basic dike rock or ultra basic dike rock.

Traverse C was terminated with Sample C-12 which was taken just before entering Ripsey Wash. In accordance with Mr. Badgett's request, we then traveled over some pretty rough roads to the old abandoned mine which is just eastof the northern most Ripsey Hill, No. 3570. The mine is located in the SE ~~X~~ 1/4 of Sec. 12. I entered the mine and found that it was in excellent shape, apparently someone has rehabilitated and re-timbered the entire thing very recently. I would say within the last 2 or 3 years. A tremendous amount of money has been spent, I would estimate somewhere on the order of $25,000 to $50,000. There must be $10,000 worth of new timber in the mine alone. The workings are expensive and ~~xxxx~~ a map is not available -- it also apparently has been recently mapped because there are relatively new stands in the timber. If maps aren't available, it probably should be mapped and sampled. I had no way of estimating the total amount of drift and I did not enter any of old shaft inside which

incidently the hoist which is a single cylinder diesel engine type hoist still on the interior shaft. Further back in the workings is apparently a very deep winz. I took one grab sample from some of the last material that had apparently come out of the winz and had been dumped along side the winz. Mineralization apparently is primarily sphalerite although there are a number of places where there is very intense malachite staining. I also picked one selected sample off the end of the dump and I think this is probably fairly old material. It appears that there was little or no mining following the rehabilitation of the mine workings. Some of the very old timber is still in the mine where they had not completed the re-timbering and if of course is very badly dry-rotted.

We then returned and drove down the road from the windmill in the west side of Sec. 1 and then down the jeep trail to the old Ripsey Mine, and started sampling from a wind mill which is now on top of the hill above the mine and sampled north I took 7 samples, this was known as the D traverse. I then returned to Ripsey wash and drove south up the wash to a point about due east of the drill hole No. 1 and sampled the red hill at that location. Took one soil sample there. I am going to proceed down the wash. This is the E Traverse, sampling soils along the shoulder until I come to Gila conglomerate. Sample E-2 is taken in the vicinity of the portal, above it, as indicated on the map in Sec. 11 in the SE 1/4. The rock type appears to be andesite porphyry, it is dark gray ground lanced with white altered phenoclist phelsdpar. Proceeded north along the wash, took a sample just before coming into Gila conglomerate, Sample E-4 on the end of that traverse.

Headed into Florence arriving at 1800.

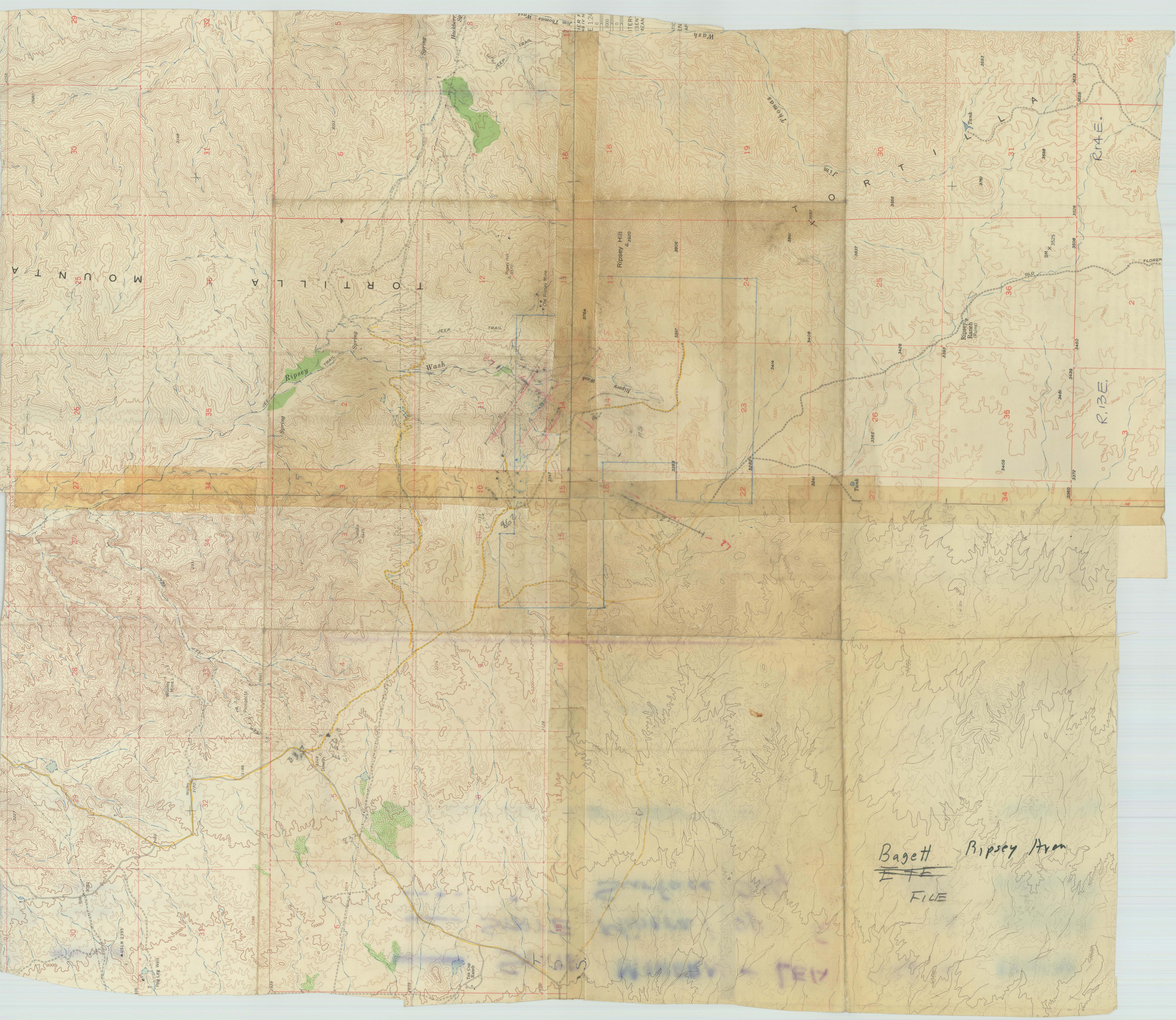
Daily log for 10 August 1968. Left Florence at 0830. Mileage 12881. Arrived at the property, went to the drill site and they are preparing to move. Started searching for a method to get in towards the center of Sec. 11 where the density was running quite low. Couldn't find any readily accessible route to the center of the section. There was a severe storm approaching from the south, prudence being the better part of valor, decided to quit the area. If greater density is taken in Sec. 11, particularly in the north half of the section seems desirable, the results obtained from samples already collected, it should be accessible from Ripsey Wash then up the secondary stream on which heavy mineral samples (stream sediment sample No. 2) was taken. Other access can be made from the vicinity of where stream sediment sample No. 1 was taken, up that secondary wash. This would give adequate reconnaissance coverage to the section. It ought to take about a day to do that. One sample was taken in the east 1/2 of Sec. 10 near about the middle of the section, near the top of hill elevation 3339, this sample is labeled F-1. The immediate area has been trenched or bull-dozed

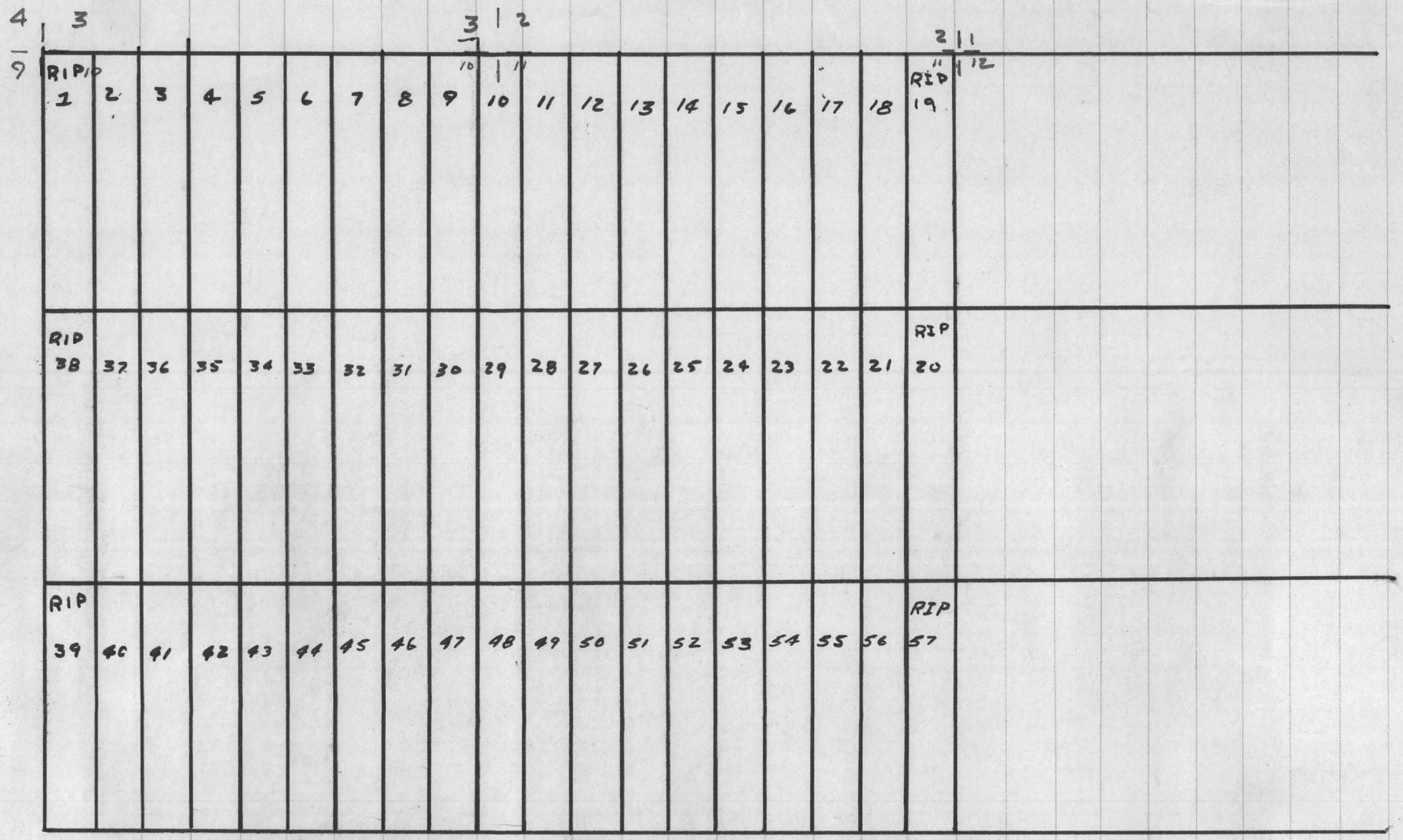
and there is intense malachite staining of the granite or monzonite country rock.

End of report - heading for Tucson.

Arrived Tucson 1530 hours.

Prospects
Well
Spring
Ripsey
JEEP
TRAIL
Spring
Spring
state leases
Rip claims
Rip claims
Wash
JEEP
TRAIL
Ripsey Hill
Old Ripsey Mine
Ripsey Wash
Ripsey Hill
Salas et al
N


TORTILLA MOUNTAIN
TORTILLA
Ripsey Wash
Ripsey Hill
Ripsey Hill 3570
Old Ripsey Mine
Ripsey Ranch (Ruins)
Tank
Wash
Thomas
Jim
Spring
JEEP TRAIL
OLD
FLOREN
BM 3525
R.13E.
R.14E.
Wooley Well
Prospects
Peg Leg Well
Tea Cup Ranch
Bagett
Ripsey Iron
FILE



Russell Badgett Jr.

RIP Claims

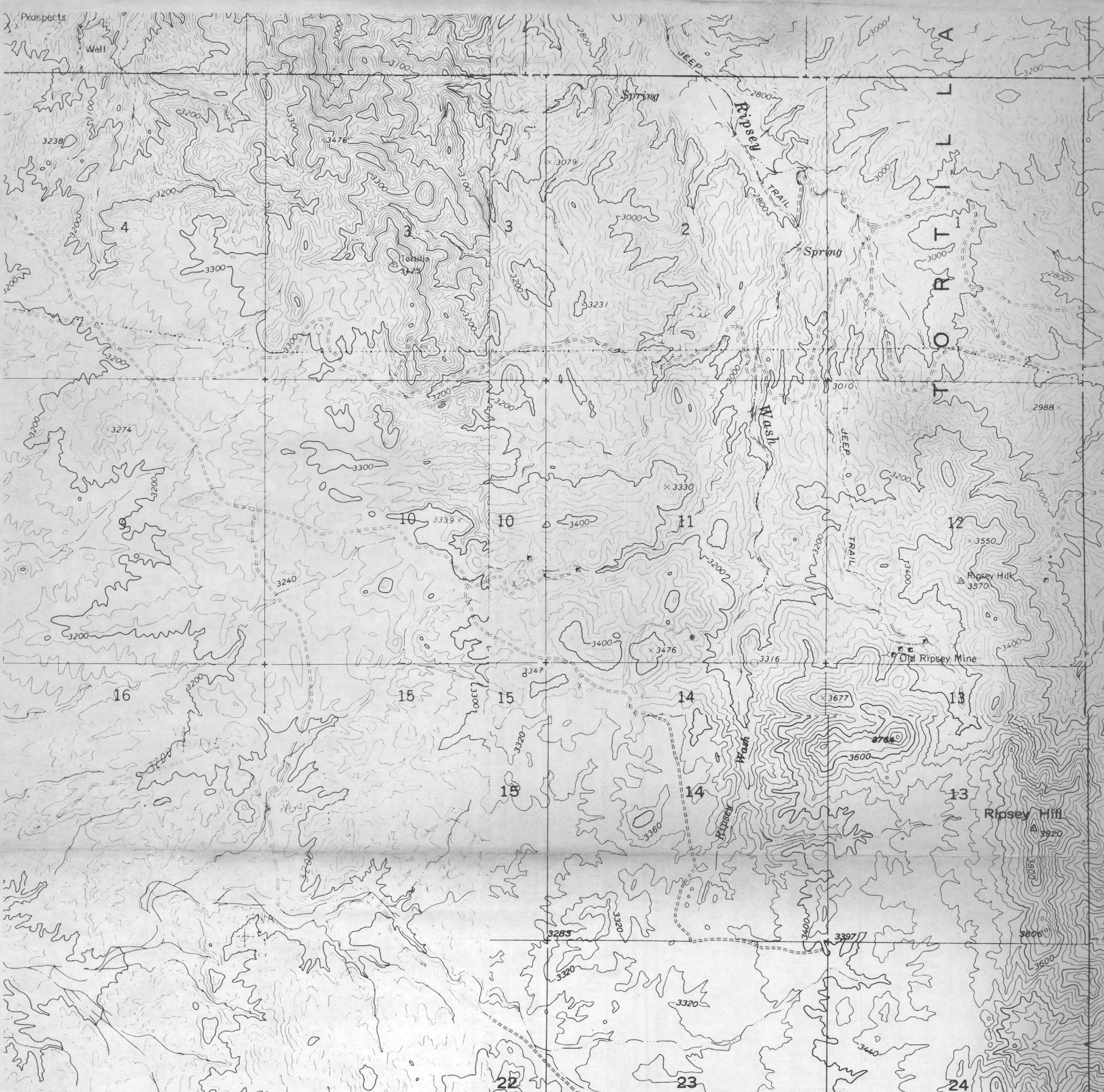
R13E, T5S

Not to Scale

Ripsey Mining District

N

50'


Prospects
Well
Spring
JEEP
Ripsey
TRAIL
Spring
T O R T I L L A
Tortilla
3425
3476
3238
3274
3079
3231
3010
2988
3330
3339
3240
3400
3476
3316
3347
Wash
JEEP
TRAIL
Ripsey Hill
3570
3550
Old Ripsey Mine
3677
3764
3600
Ripsey Wash
3360
3320
Ripsey Hill
3920
3806
3283
3397
3282
3414
3280
3241
3408
3861
4
3
3
2
1
9
10
10
11
12
16
15
15
14
13
15
14
13
22
23
24

T. S. CHAVEZ	
L. C. DALBERG	
OCT. 7, 1968	
PAGE 1	

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

JOB 262-68
RIPSEY

SURVEYED North. South Line for RIPSEY CLAIMS 20-24.

@ TP#1

B.S.	F.S.	V∠	RR.	∠ dist
1/4 COR 11/12	SEC. COR 2/1 11/12	0°00'	7.0	
			9.03	
			3.03	3.03

11-12 ~~SE~~ 1/4 COR

NOTE: START FROM 1/4 COR 11/12 GO 1190' NORTH. END LINE GO WEST 100' START ~~for~~ CORNERS AND CENTERS FOR RIP CLAIMS 20-24

11 21
2 1 SEC. COR.
12 12
1 2

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ORIGINAL COPR. 1910 BY J. C. PARKER

B.S.	F.S.	R.R.	Vt	~~C.Dist~~	C.Dist
T @ TP 1					
SEC COR 11 + 12	TP2	4.00 7.50 3.50	-9°05'	~~2.6~~	

C. Dist. = 350 − (3.50 × 2.5) = 341.0

T @ TP 2					
TP1	TP3	13.50 8.00 5.50	6°30'		

5.50 − (1.3 × 5.50) = 5.43

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SEE NOTE:

S 11 | S 12
S 14 | S 13

T 5 S R 13 E

T @ SEC COR 11 | 12 / 14 | 13

	BS			
FS	~~TP~~	RR	V∡	4
TP1	—	12.5		4.5
		8.0	5°15'	.8
		4.5		3.60'
			CORR DIS =	446
				446
				892

T @ TP1 RR
FS BS
TP2 SEC 12.65
COR 4.00
11 | 12 / 14 | 13 8.65

T @ TP 2 ~~1450~~ 930' FROM SEC COR
FS BS

SW COR TP3 V∡
R-58 0°00'

SEC LINE
11 | 12 / 14 | 13

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T S. CHAVEZ
D. C. DALBERG
PAGE 4

T @ ~~A~~ TP 2

BS	FS
SW COR	~~SE COR~~
RIP-58	~~RIP~~

250
175
55

NOTE: START FROM SEC COR ~~11~~ 12

~~11~~ 12 / ~~14~~ 13 GO NORTH 950'. END LINE
GO EAST 175' TO SE COR 58.
GO EAST 275 FROM SE COR R-58 275
GO EAST 100' TO SW COR RIP-58
GO 275' TO CORNERS AND CENTERS.

CENTERS AND CORNERS

RIP 54 - 58

LEFAX, PHILADELPHIA 7, PA., MADE IN U.S.A.

#262

JOB RIPSEY LINE 4 SPREAD 2

LOOKING NE DATE 7-23-68 A = 500

CENTER -30 ~~NW/NW~~ LABEL NW/NW FREQ. 3.0

COUPLING YES

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Ripley
LINE 4 HALF One SP. 2 DATE 7-22

PAGE 3

SEND	4-5	3-4	4-5	2-2	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE										
RANGE										
DC 1				141	39.9	18.3	160	305	16.9	9.2
DC 2				140	40.0	16.6	163	302	17.3	9.8
DC 3				141	38.7	18.5	160	305	16.9	9.2
DC 4					40.	16.5		303	17.3	9.8
DC 5					38.1	18.4		305		9.1
DC 6										
DC 7										
DC 8										
DC AVG.				140.5	39.4	17.5	161.5	30.4	17.1	9.5
AC 1				126	35.2	15.5	145	27.2	15.4	8.4.5
AC 2				"	"	"	145	27.2	"	"
AC AVG.										
S.P.	-7.6	+17.1	→	-4.8	→	→	+9.9	→	→	→
AC NOISE	.08	.10		.12	→	→	.07	→	→	→
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT _____

LINE _____ HALF _____ SP. _____ DATE _____

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		1-2
RECEIVE							.15			
RANGE										
DC 1	38.4	12.8	8.8	5.50 575	20.0	88	660 595	395 410		205
DC 2	38.1	12.3	9.7	5.20 560	203	68	665 590	400 412		205
DC 3	38.6	13.0	8.9	5.28 565	20.0	87	675 600	404 412		205
DC 4	38.0	12.1	9.7	5.38 570	206	69	645 640	375 460		
DC 5			9.0	5.45 545	200	88	595 625	340 445		
DC 6			9.6	5.45 560	206	69	615 610	360 440		
DC 7				5.50 530	196		690 565	375 410		
DC 8				5.28 565			680 600	415 383		
DC AVG.	38.3	25.2	9.3		20.2	7.80				
AC 1	34.7	11.3	8.4	4.87	18.3	7.00	5.72	3.60		190
AC 2	"	"	8.4	4.87	"	7.00	5.72	3.60		189
AC AVG.										
S.P.	-10.6	→	→	→	+19	→	→	→		
AC NOISE	.07	→	→	→	.07	→	→	→		
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Bad Rip 262

LINE 4 HALF NW SP. 2 DATE 7/07/

PAGE 2

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE										
RANGE										
VOLTAGE				270	160	210	320	270	180	240
CURRENT				3.0A	3.0A	3.5A	3.0A	3.0A	3.5A	4.0A
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal
RECEIVE										(1-2)
RANGE										
VOLTAGE	310	270	180	240	310	260	180	240		310
CURRENT	3.0A	3.0A	3.5A	3.75 A	3.0A	3.0A	3.5A	3.75A		2.0A

FREQUENCIES 3.0 .05

SENDER NO. 1662-5

OPERATOR Cruze

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Ribey
LINE 4 HALF 5 SP. 2 DATE 7-22

PAGE 1

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE										
RANGE										
DC 1	~~120~~									
DC 2	120	103	35.7	116	27.3	176	98.0	~~270~~	107.5	697
DC 3	118	103	35.5	113	295	151	98.0	265	1010	848
DC 4	~~120~~	~~103~~	35.8	116	~~272~~	~~176~~	98.0	268	1100	693
DC 5	~~118~~	~~103~~	35.4		294	~~151~~	98	265	950	843
DC 6								268	1100	685
DC 7										855
DC 8										685
DC AVG.	119	103	35.6	114.5	28.4	16.06	98.0	53.3	103.9	7.68
AC 1	107	89.5	31.5	100	25.0	14.75	87.0	23.0	92.5	6.86
AC 2	107	89.5	"	"	"	"	86.5	23.0	92.5	"
AC AVG.										
S.P.	+12.9	-3.1	→	+1.0	→	→	+6.0	→	→	→
AC NOISE	.03	.03	→	.04	→	→	.04	→	→	→
POT RES.	2 K	→	→							

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Rupsey
LINE 4 HALF SE SP. 2 DATE 7-20

PAGE 2

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		
RECEIVE										
RANGE								222		206
DC 1	250	142	570	453 447	133	722 665	220 408	308 215		207 206
DC 2	256	133	535	454 443	105	685 705	198 425	310 230		
DC 3	250	140	565	440 455	133	660 735	180/368	310 220		
DC 4	256	135	545	445 460	107	600 865	232 372	315 225		
DC 5		142	560	450 453	130	520 854	240 372	300 235		
DC 6		134	535	450 462	108	525 855	230 368	290 230		
DC 7					130	547 828	238 365	290 248		
DC 8						545 827	242 360	288 242		
DC AVG.	253	137.6	55.2	4.49	11.85					
AC 1	22.2	11.8	4.82	3.99	10.2	5.80	2.63	~~2.4~~		~~195~~
AC 2	"	11.8	4.82	"	101.5	5.78	2.63	2.33		193
AC AVG.								?		193
S.P.	-1.2	→	→	→	+1.0	→	→	→		
AC NOISE	.04	→	→	→	.04+	→	→	→		
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Bad-Rip 202

LINE 4 HALF SE SP. 2 DATE 7/23/66

PAGE 1

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE										
RANGE										
VOLTAGE	180	300	370	160	270	330	210	160	220	320
CURRENT	3.0A	3.5A	3.5A	3.0A	3.0A	3.0A	3.5A	3.0A	3.0A	3.0A
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Cal
RECEIVE										(3-4
RANGE										
VOLTAGE	180	180	270	320	210	190	270	320		15
CURRENT	3.0A	3.5A	3.0A	3.0A	3.5A	3.5A	3.0A	3.0A		2.0A

FREQUENCIES 3.0 .05

SENDER NO. 9662-5

OPERATOR Cruze

RECEIVER NO.

OPERATOR JPM

COMMENTS:

1-2	2-3	3-4	4-5
3	3.5	4	4

HEINRICHS GEOEX B262-68 LINE 7 SPD 1 LOOKING NW 7-25-68 A= 500 FEET

NE3W

	30SW	25	20	15	10	5	0SW/NE	5	10	15	20	25	30NE	SURFACE
N					1	2	3	4	5					
1	X	X	X	X84	X74	X--> 76		X--> 72	X85	X77	X	X	X	X
2	X	X	X	X106	X75	X79	X--> 86		X73	X71	X68	X	X	X
3	X	X	X80	X89	X81	X87		X73	X63	X75	X66	X	X	X
4	X	X	X	X65	X94	X83	X		X61	X68	X75	X	X	X
5	X	X	X	X70	X92	X		X	X68	X68	X	X	X	X
6	X	X	X	X	X67	X	X		X	X70	X	X	X	X

RHO/2PI

Line 4 (10NW)

	30SW	25	20	15	10	5	0SW/NE	5	10	15	20	25	30NE	SURFACE
	-3	-4	-7	-6	-1	-30	0	-5	-7	-11	-2	-5	29	
N					1	2	3	4	5					
1	X	X	X	X5.8	X6.5	X--> 7.2		X--> 12.1	X1.8	X3.2	X	X	X	X
2	X	X	X	X6.7	X8.7	X7.1	X--> 5.2		X10.8	X-3.2	X4.7	X	X	X
3	X	X	X6.7	X8.9	X7.0	X5.9		X6.8	X12.3	X5.8	X4.2	X	X	X
4	X	X	X	X8.9	X7.0	X4.7	X		X7.5	X14.2	X5.7	X	X	X
5	X	X	X	X6.7	X4.3	X		X	X6.8	X10.9	X	X	X	X
6	X	X	X	X	X2.9	X	X		X	X6.8	X	X	X	X

PFE

B166204

N	30SW	25	20	15	10	5	0SW/NE	5	10	15	20	25	30NE
					1	2	3	4	5				SURFACE
1	X	X	X	X68	X88	X--> 95	X--> 168	X21	X42	X	X	X	X
2	X	X	X	X63	X116	X90	X--> 61	X148	X-46	X69	X	X	X
3	X	X	X84	X100	X87	X67	X94	X195	X77	X64	X	X	X
4	X	X	X	X136	X74	X57	X	X125	X209	X76	X	X	X
5	X	X	X	X95	X47	X	X	X100	X161	X	X	X	X
6	X	X	X	X	X44	X	X	X	X96	X	X	X	X

MCF

HEINRICHS GEOEX B262-68 LINE 4 SPD 2 LOOKING NE 7-23-68 A= 500 FEET

0.000	0.000	0.000	3.000	3.000	3.500	3.000	3.000	3.500	4.000	I	3.000	3.000	3.500	3.750	3.000	3.000	3.500	3.750	2.000		
			141	399	183	160	305	169	92	DC	384	128	88	550	200	88	660	395	205	LEFT	
			140	/	166	163	302	173	98		381	123	97	575	203	68	595	410	205	SIDE	
				400	185		305	169	92		386	130	89	520	200	87	665	400			
				387	165		303	173	98		380	121	97	560	206	69	590	412			
				400	184		305		91				90	528	200	88	675	404			
				387									96	565	206	69	600	412			
														538	196		645	375			
														570			640	460			
														545			595	340			
														545			685	445			
														545			615	360			
														560			610	440			
														550			690	375			
														530			565	410			
														528			680	415			
														565			600	383			

1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
0.000	0.000	0.000	140.5	39.35	17.49	161.5	30.37	17.10	9.487	DCA	38.30	12.58	9.300	5.478	20.22	7.810	6.320	4.031	205.0	
0.000	0.000	0.000	126.0	35.20	15.50	145.0	27.20	15.40	8.450	AC1	34.70	11.30	8.400	4.870	18.30	7.000	5.720	3.600	190.0	
0.000	0.000	0.000	126.0	35.20	15.50	145.0	27.20	15.40	8.450	AC2	34.70	11.30	8.400	4.870	18.30	7.000	5.720	3.600	189.0	
0.000	0.000	0.000	126.0	35.20	15.50	145.0	27.20	15.40	8.450	ACA	34.70	11.30	8.400	4.870	18.30	7.000	5.720	3.600	189.5	
*000.0	*000.0	*000.0	68.54	76.78	73.12	78.78	59.27	71.50	69.42	RHO	74.73	61.38	77.77	74.82	98.62	76.20	92.49	88.10	.976	DC CAL
*000.0	*000.0	*000.0	3.1	3.3	4.3	3.0	3.2	2.6	3.8	PFE	2.0	2.9	2.3	4.0	2.1	3.1	2.1	3.5	.924	AC CAL
*00000	*00000	*00000	45	43	59	38	54	37	55	MCF	27	48	30	53	22	41	23	40		

3.000	3.500	3.500	3.000	3.000	3.000	3.500	3.000	3.000	3.000	I	3.000	3.500	3.000	3.000	3.500	3.500	3.000	3.000	2.000		
120	103	357	116	273	176	98	265	1075	697	DC	250	142	570	453	133	722	230	308	206	RIGHT	
118	103	355	113	295	151	98	268	1010	848		256	133	535	447	105	665	408	215	207	SIDE	
		358		272				1100	693			140	565	454	133	685	198	310			
		354		294				950	843			135	545	443	107	705	425	230			
								1100	685			142	560	440	130	660	180	310			
									855			134	535	455	108	735	/	220			
									685					445	130	600	368	315			
														460		865	232	225			
														450		520	372	300			
														453		854	240	235			
														450		525	372	290			
														462		855	230	230			
																547	368	290			
																828	238	248			
																545	365	288			
																827	242	242			
																	360				

1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
119.0	103.00	35.62	114.5	28.35	16.35	98.00	26.65	103.69	7.692	DCA	25.30	13.76	5.515	4.504	11.91	6.909	3.042	2.654	206.5	
107.0	89.50	31.50	100.0	25.00	14.75	87.00	23.00	92.50	6.860	AC1	22.20	11.80	4.820	3.990	10.20	5.800	2.630	2.330	193.0	
107.0	89.50	31.50	100.0	25.00	14.75	86.50	23.00	92.50	6.860	AC2	22.20	11.80	4.820	3.990	10.15	5.780	2.630	2.330	193.0	
107.0	89.50	31.50	100.0	25.00	14.75	86.75	23.00	92.50	6.860	ACA	22.20	11.80	4.820	3.990	10.17	5.790	2.630	2.330	193.0	
57.63	42.75	59.14	55.45	54.92	79.18	40.68	51.62	502.1	74.50	RHO	49.01	57.12	53.41	76.34	49.43	57.36	51.56	71.97	.969	DC CAL
3.9	7.6	5.7	7.0	6.0	3.6	5.6	8.3	4.8	4.8	PFE	6.5	9.0	6.9	5.5	9.4	11.5	8.1	6.5	.935	AC CAL
68	177	96	127	109	45	137	161	9	64	MCF	133	157	130	72	190	201	157	90		

#262

JOB Ripsey LINE 7 SPREAD 1

LOOKING NW DATE 7-25-68 A = 500

CENTER 20 LABEL SW/NE FREQ. 3.0

COUPLING YES

#4 electrode ~~centr~~ at 10 on line 4

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Ripsey

LINE ~~SW~~ Z HALF SW SP. 1 DATE 7-24

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	
RANGE										
DC 1	150	158	45.3	129	41.0	187	146	32.8	170	875
DC 2	149	159	43.9	129	41.4	177	146	32.6	166	845
DC 3	150	158	45.3	129	40.8	187	146	32.8	170	875
DC 4					41.4	177			166	845
DC 5					40.8					
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1	130	144	41.3	118	37.4	16.75	134.5	29.3	15.3	8.00
AC 2	"	"	"	118	"	"	"	"	"	"
AC AVG.										
S.P.	-30.2	+28.6	→	-4.7	→	→	-1.2	→	→	→
AC NOISE	.04	.04	→	.06	→	→	.05	→	→	→
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Ripley

LINE 7 HALF SW SP. 1 DATE 7-24

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		CM2
RECEIVE	20-25	→	→	→	25-30	→	→	→		
RANGE								.15Hz		
DC 1	47.0	162	107	540 555	140	550 586	400 415	245 253		156
DC 2	45.0	145	89.5	510 565	136	550 580	392 446	240 260		156
DC 3	47.0	163	107	505 605	140	555 580	390 450	230 265		
DC 4	45.0	144	89.5	515 580	136	560	392 420	230 260		
DC 5				508 580			406 428	233 260		
DC 6				505 580			398 432	233 261		
DC 7				505 600			400 438	237 255		
DC 8				475 605			400 438	245 253		
DC AVG.								235 262		
AC 1	42.0	13.75	8.95	5.08	12.6	5.08	3.81	2.34		152
AC 2	"	"	"	"	"	"	"	"		152
AC AVG.										
S.P.	+2.5	→	→	→	+1.0	→	→	→		
AC NOISE	.05	→	→	→	→	→	→	→		
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Bad-Rip 262

LINE 2 HALF SW SP. 1 DATE 7/25/86

PAGE 6

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE										
RANGE										
VOLTAGE	130	150	130	250	150	130	230	250	150	130
CURRENT	3.0A	3.0A	3.0A	2.5A	3.0A	3.0A	2.5A	2.5A	3.0A	3.0A
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal
RECEIVE										
RANGE										2-3
VOLTAGE	230	250	150	130	230	250	150	130		310
CURRENT	2.5A	2.5A	3.0A	3.0A	2.5A	2.5A	3.0A	3.0A		1.5A

FREQUENCIES 3.0 .05

SENDER NO. 9662-5

OPERATOR Cruz

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Ripley
LINE 7 HALF NE SP. 1 DATE 7-24

PAGE 1

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE										
DC 1										
DC 2				180	320	129	190	? 438	115	512 570
DC 3				179	326	128	192	? 440	108	494 572
DC 4				180	320	~~124~~	190	? 435	113	488 590
DC 5					326	~~132~~	192	? 442	109	472 600
DC 6									113	463 618
DC 7										
DC 8										
DC AVG.										
AC 1				173	28.6	11.8	182	44.6	9.7	4.88
AC 2				173	"	"	181	44.3	"	"
AC AVG.										
S.P.	-4.7	-1.7	→	-4.4	→	→	+9.3	→	→	→
AC NOISE				.04	→	→	.09	→	→	→
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Ripley
LINE 7 HALF NE SP. 1 DATE 7-24

PAGE 2

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Off
RECEIVE	20-25	→	→	→	25-30	→	→	→		
RANGE				.15 Hz			.15 Hz	.15 Hz		159
DC 1	405	162	630 550	365 320	147	7.50	340 360	240 198		159
DC 2	432	155	660 545	367 328	185	8.35 7.8	310 380	248 186		
DC 3	402	162	660 560	360 335	140	8.20 7.8	308 380	260 188		
DC 4	435	155	630 580	345 340	190	7.30 8.1	290 395	258 184		
DC 5	402		608 602	350 348	132	8.8 7.8	285 402	256 192		
DC 6			595 630	345 347	195	7.3 8.0	275 395	256 183		
DC 7			582 608	343 346	127	8.5 7.9	280 410	260 190		
DC 8			608 550	348 340	198		270 418	260 182		
DC AVG.				360 328						
AC 1	39.2	14.7	5.16	3.18	15.4	7.90	3.02	2.04		156
AC 2	"	14.7	"	3.16	15.3	"	"	"		"
AC AVG.										
S.P.	-3.3	→	→	→	33.C+	→	→	→		
AC NOISE				0.04	←	←	←	-0.05		
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Bad Rip 262

LINE 2 HALF NE SP. 1 DATE 7/25/88

PAGE 5

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE										
RANGE										
VOLTAGE				150	250	220	150	160	250	230
CURRENT				3.0A	2.5A	2.5A	3.5A	3.5A	2.5A	2.5A
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Cal
RECEIVE										
RANGE										(4-5)
VOLTAGE	150	150	250	225	150	150	250	230		100
CURRENT	3.5A	3.0A	2.5A	2.5A	3.5A	3.0A	2.5A	2.5A		1.5A

FREQUENCIES 3.0 .05

SENDER NO. 9662-5

OPERATOR Cruze

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEX B262-68 LINE 7 SPD 1 LOOKING NW 7-25-68 A= 500 FEET

3.000	3.000	3.000	2.500	3.000	3.000	2.500	2.500	3.000	3.000	I	2.500	2.500	3.000	3.000	2.500	2.500	3.000	3.000	1.500		
150	158	453	129	410	187	146	328	170	875	DC	47	162	1070	540	140	550	400	245	156	LEFT	
149	159	439	129	414	177	146	326	166	845		45	145	895	555	136	586	415	252	156	SIDE	
				408								163		510		550	392	240			
				414								144		565		580	446	260			
				408										505		555	390	230			
														605		580	450	265			
														515		560	392	230			
														580			420	260			
														508			406	233			
														580			428	260			
														505			398	233			
														580			432	261			
														505			400	237			
														600			438	255			
														475			430	245			
														605			438	253			
																		234			
																		262			
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6			
149.5	158.5	44.60	129.0	41.12	18.20	146.0	32.70	16.80	8.600	DCA	46.00	15.37	9.825	5.440	13.80	5.677	4.171	2.471	156.0		
130.0	144.0	41.30	118.0	37.40	16.75	134.5	29.30	15.30	8.000	AC1	42.00	13.75	8.950	5.080	12.60	5.080	3.810	2.340	152.0		
130.0	144.0	41.30	118.0	37.40	16.75	134.5	29.30	15.30	8.000	AC2	42.00	13.75	8.950	5.080	12.60	5.080	3.810	2.340	152.0		
130.0	144.0	41.30	118.0	37.40	16.75	134.5	29.30	15.30	8.000	ACA	42.00	13.75	8.950	5.080	12.60	5.080	3.810	2.340	152.0		
71.87	76.20	85.77	74.42	79.09	87.50	84.23	75.46	80.77	82.69	RHO	106.2	88.65	94.47	91.54	79.62	65.50	70.18	66.54	.962	DC CAL	
12.1	7.2	5.2	6.5	7.1	5.9	5.8	8.7	7.0	4.7	PFE	6.7	8.9	7.0	4.3	6.7	8.9	6.7	2.9	.974	AC CAL	
168	95	61	88	90	67	68	116	87	57	MCF	63	100	74	47	84	136	95	44			

0.000	0.000	0.000	3.000	2.500	2.500	3.500	3.500	2.500	2.500	I	3.500	3.000	2.500	2.500	3.500	3.000	2.500	2.500	1.500		
			180	320	129	190	438	115	512	DC	405	162	630	365	147	750	340	240	159	RIGHT	
			179	326	128	192	440	108	570		432	155	550	320	185	835	360	198	159	SIDE	
							435	113	494		402		660	367	140	820	310	248			
							442	109	572		435		545	328	190	730	380	186			
								113	488		402		660	360	132	880	308	260			
									590				560	335	195	730	380	188			
									472				630	345	127	850	290	258			
									600				580	340	198	780	395	184			
									463				608	350		780	285	256			
									618				602	348		810	402	192			
													595	345		780	275	256			
													630	347		800	395	183			
													582	343		790	280	260			
													608	346			410	190			
													608	348			270	260			
													550	340			418	182			
														360							
														328							
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6			
0.000	0.000	0.000	179.5	32.30	12.85	191.0	43.83	11.100	5.349	DCA	41.81	15.85	6.005	3.452	16.31	7.971	3.413	2.220	159.0		
0.000	0.000	0.000	173.0	28.60	11.80	182.0	44.60	9.700	4.880	AC1	39.20	14.70	5.160	3.180	15.40	7.400	3.020	2.040	156.0		
0.000	0.000	0.000	173.0	28.60	11.80	181.0	44.30	9.700	4.880	AC2	39.20	14.70	5.160	3.160	15.30	7.400	3.020	2.040	156.0		
0.000	0.000	0.000	173.0	28.60	11.80	181.5	44.45	9.700	4.880	ACA	39.20	14.70	5.160	3.170	15.35	7.400	3.020	2.040	156.0		
*000.0	*000.0	*000.0	84.67	73.13	72.74	77.22	70.89	62.83	60.55	RHO	67.62	74.76	67.98	68.39	65.93	75.20	67.61	70.37	.943	DC CAL	
*000.0	*000.0	*000.0	1.8	10.8	6.8	3.2	-3.2	12.3	7.5	PFE	4.7	5.8	14.2	6.8	4.2	5.7	10.9	6.8	.981	AC CAL	
*00000	*00000	*00000	21	148	94	42	-46	195	125	MCF	69	77	109	100	64	76	161	96			

JOB #262 RIPSEY

LINE 6

SPREAD 1

LOOKING NW

DATE 7-24-68

A = 500

CENTER ~~30~~ 0

LABEL SW/NE

FREQ. 3.0

COUPLING YES

center at 30 on line 4

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Ripsey
LINE 6 HALF SW SP. 1 DATE 7-23

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE										
DC 1	88	101	266	105	36.5	13.2	85.0	250	130	525 630
DC 2	89	100	269	105	34.4	11.6	85.0	251	137	485 650
DC 3	88	101	266	105	36.5	13.2	85.0	251	130	550 600
DC 4	89		269	105	34.4	11.6	85.0	250	137	530 610
DC 5										480 630
DC 6										—
DC 7										600 550
DC 8										600 520
DC AVG.										610 520
AC 1	82.0	93.0	25.0	100	32.7	11.5	80.0	235	12.2	5.28
AC 2	82.0	"	25.0	100.	"	11.5	"	"	"	"
AC AVG.										
S.P.	-5.6	+2.0	→	+14.3	→	→	+.9	→	→	→
AC NOISE		.04	→	.04	→	→	.06	→	→	→
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Ripsey
LINE 6 HALF SW SP. 1 DATE 7-23

PAGE 4

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		CAL
RECEIVE	20-25	→	→	→	25-30	→	→	→		
RANGE				.15 HZ	→	→	→	→		
DC 1	325	119 123	9.1	390 345	10.5 12.9	6.25 6.65	4.90 4.65	2.25 2.65		205
DC 2	333	121 120	6.8	380 355	10.4 13.0	6.30 6.60	4.90 4.60	220 270		205
DC 3	325	121 120	9.1	370 365	10.3 13.1	6.35	4.90 4.65	220 270		205
DC 4	333		6.9	360 390	10.3 13.1	6.50 6.40	4.90 4.70	210 280		
DC 5			9.0	345 395		6.45 6.45	4.85 4.70	210 280		
DC 6				340 395		6.50 6.45	4.85 4.70			
DC 7				335 395		6.50 6.40	4.90 4.75			
DC 8				340 388		6.60 6.40	4.90 465			
DC AVG.										
AC 1	31.0	11.3	7.3	3.45	11.0	6.05	4.45	2.28		
AC 2	"	"	"	3.46	11.0	6.05	4.42			199
AC AVG.										
S.P.	-4.3	→	→	→	+13.7	→	→	→		
AC NOISE	.06	→	→	→						
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Bad Rip

LINE 6 HALF SW SP. 1 DATE 7/24/69

PAGE 4

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE										
RANGE										
VOLTAGE	230	200	230	200	280	230	200	170	220	230
CURRENT	3.5A	3.0A	3.5A	3.0A	3.5A	3.5A	3.5A	3.5A	3.5A	3.5A
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal 1-2
RECEIVE										
RANGE										
VOLTAGE	210	150	200	200	170	150	200	200		
CURRENT	3.75A	3.0A	3.0A	3.0A	3.0A	3.0A	3.0A	3.0A		2.0A

FREQUENCIES _____ _____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Ripsey

LINE 6 HALF NE SP. 1 DATE 7-23

PAGE 1

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE										
DC 1				203	515	212	128	608	215	110
DC 2				207	462	201	128	600	207	123
DC 3				203	515	212	128	608	215	110
DC 4					462	201			227	123
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.										
AC 1				195	45.3	19.5	123	57.1	20.5	11.0
AC 2				"	"	"	"	"	"	"
AC AVG.										
S.P.	-1.5	+5.4	→	-5.6	→	→	+6.7	→	→	→
AC NOISE				.06	→	→	.04	→	→	→
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Ripsey
LINE 6 HALF NE SP. 1 DATE 7-23

PAGE 2

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		
RECEIVE	20-25	→	→	→	25-30	→	→	→		
RANGE										
DC 1	314	206	102	645	111	80	420 433	287 263		207
DC 2	298	227	113	673	95	93	448 412	293 275		207
DC 3	315	207	101	633	111	80	440 417	288 278		207
DC 4	297	225	114	668	95	93	438 414	287 285		
DC 5				640			435	290 282		
DC 6				670				280 280		
DC 7				640				290 273		
DC 8				670				292 275		
DC AVG.										
AC 1	29.7	20.3	10.0	6.17	10.0	8.1	4.0	2.67		203
AC 2	"	"	9.99	6.15	10.0	8.1	"	" 22		
AC AVG.										
S.P.	+1.8	→	→	→	+11.9	→	→	→		
AC NOISE	.04	→	→	→	.04	→	→	→		
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Bad Rip 262 LINE 6 HALF NE SP. 1 DATE 7/24

PAGE 3

SEND			B	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE										
RANGE										
VOLTAGE				200	180	240	200	230	190	220
CURRENT				3.0A	4.0A	4.0A	3.0A	3.5A	4.0A	4.0A
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		Ca
RECEIVE										
RANGE										(4-5)
VOLTAGE	240	240	190	225	230	225	165	200		200
CURRENT	3.5A	3.5A	4.0A	4.0A	3.5A	3.5A	3.5A	3.5A		2.0A

FREQUENCIES 2.0 .05

SENDER NO. 966 2-5

OPERATOR Cruzl

RECEIVER NO.

OPERATOR

COMMENTS:

1-2 2-3 3-4

4 3 or 4

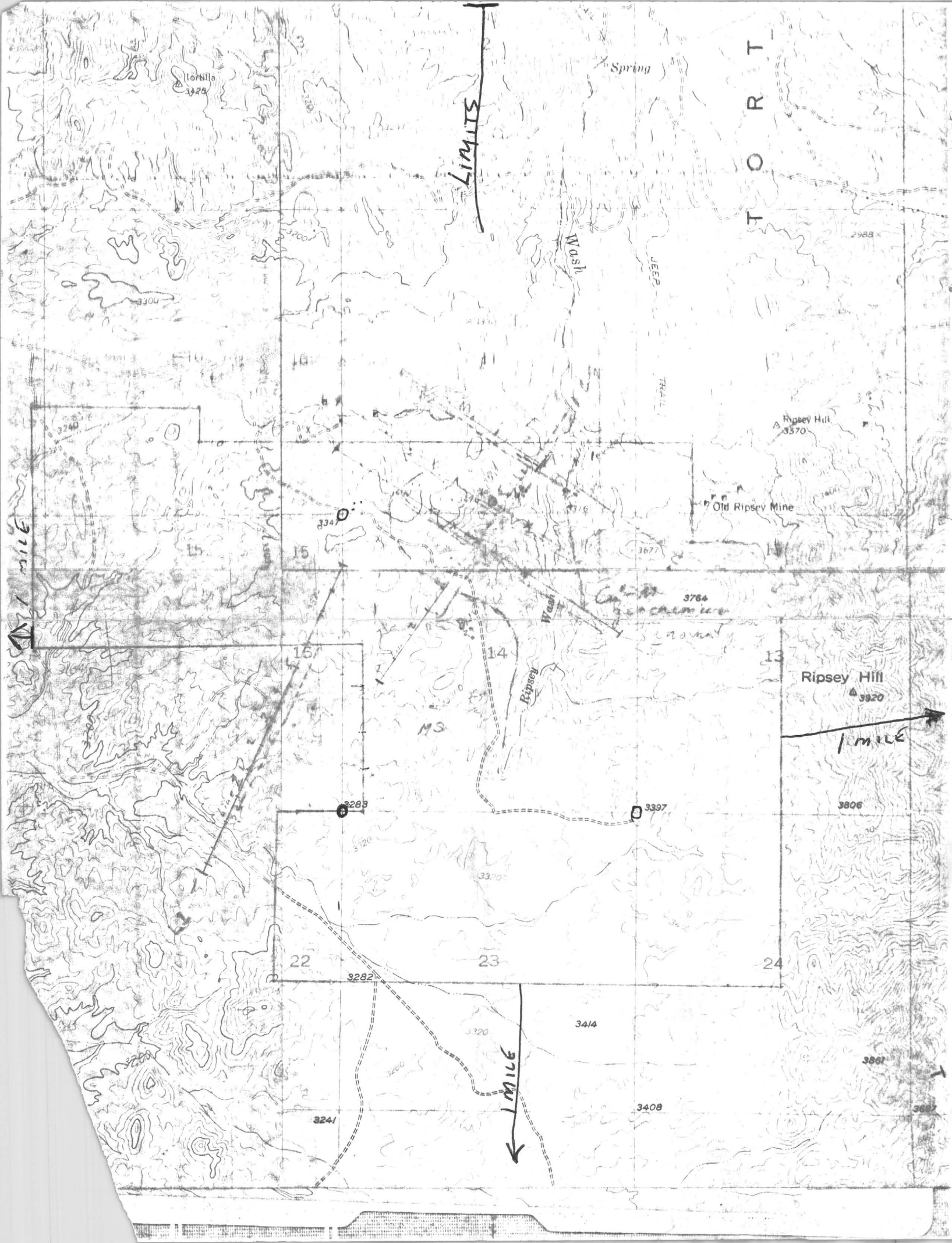
HEINRICHS GEOEX 8262-68 LINE 6 SPD 1 LOOKING NW 7-24-68 A= 500 FEET

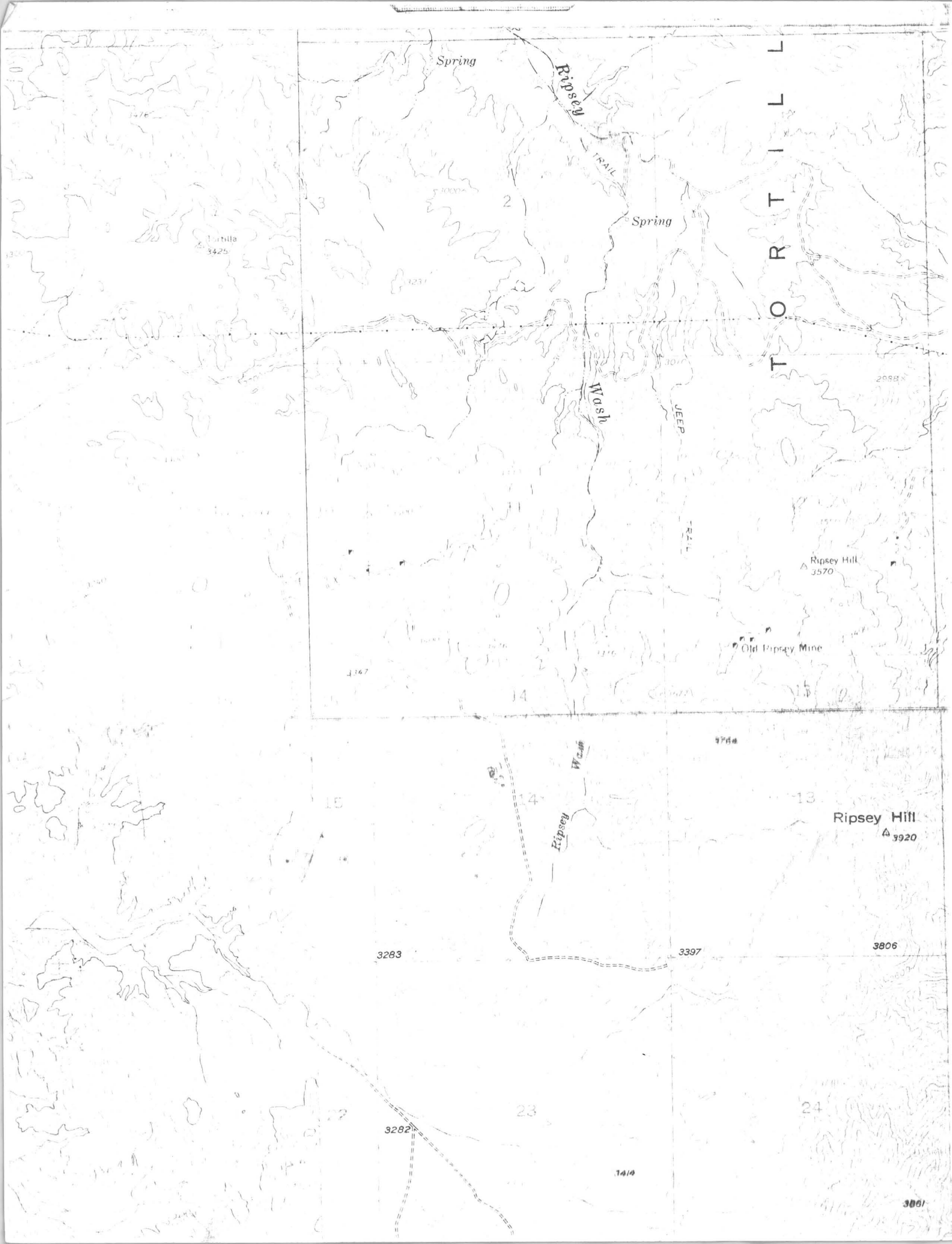
3.500	3.000	3.500	3.000	3.500	3.500	3.500	3.500	3.500	3.500	I	3.750	3.000	3.000	3.000	3.000	3.000	3.000	3.000	2.000		
88	101	266	105	365	132	85	250	130	525	DC	325	119	91	390	105	625	490	225	205	LEFT	
89	100	269	105	344	116	85	251	137	630		333	123	68	345	129	665	465	265	205	SIDE	
							251		485			121	91	380	104	630	490	220			
							250		650			120	69	355	130	660	460	270			
									/			121	90	370	103	635	490	220			
									550			120		365	131	/	465	270			
									600					360	103	650	490	210			
									530					390	131	640	470	280			
									610					345		645	485	210			
									480					395		645	470	280			
									630					340		650	485				
									/					395		645	470				
									600					335		650	490				
									530					395		640	475				
									600					340		660	490				
									520					388		640	465				
									610												
									520												

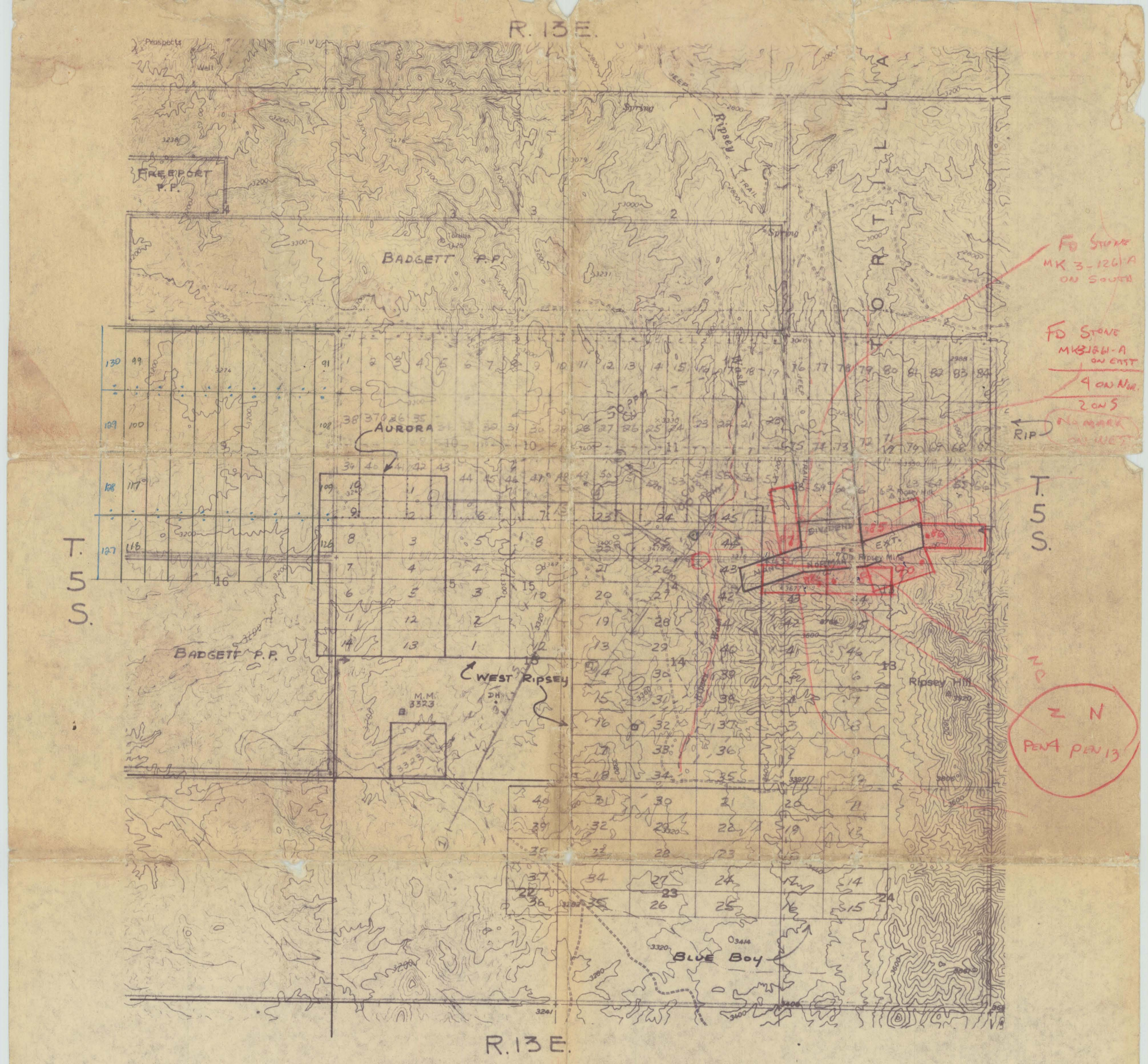
1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
88.50	100.50	26.75	105.0	35.45	12.40	85.00	25.07	13.35	5.640	DCA	32.90	12.09	7.963	3.666	11.69	6.465	4.782	2.442	205.0	
82.00	93.00	25.00	100.0	32.70	11.50	80.00	23.50	12.20	5.280	AC1	31.00	11.30	7.300	3.450	11.00	6.050	4.450	2.280	199.0	
82.00	93.00	25.00	100.0	32.70	11.50	80.00	23.50	12.20	5.280	AC2	31.00	11.30	7.300	3.460	11.00	6.050	4.420	2.280	199.0	
82.00	93.00	25.00	100.0	32.70	11.50	80.00	23.50	12.20	5.280	ACA	31.00	11.30	7.300	3.455	11.00	6.050	4.435	2.280	199.0	
37.00	49.02	44.74	51.22	59.29	51.85	35.54	41.92	55.82	47.17	RHO	51.39	58.98	77.68	62.59	57.00	63.08	81.64	66.70	.976	DC CAL
4.8	4.9	3.9	1.9	5.2	4.7	3.1	3.5	6.2	3.7	PFE	3.0	3.9	5.9	3.0	3.1	3.7	4.7	4.0	.971	AC CAL
129	100	86	38	88	90	88	85	111	78	MCF	59	65	76	48	55	59	57	59		

0.000	0.000	0.000	3.000	4.000	4.000	3.000	3.500	4.000	4.000	I	3.500	3.500	4.000	4.000	3.500	3.500	3.500	3.500	2.000		
			203	515	212	128	608	215	110	DC	314	206	102	645	111	80	420	287	207	RIGHT	
			207	462	201	128	600	227	123		298	227	113	673	95	93	433	263	207	SIDE	
											315	207	101	633			/	293			
											297	225	114	668			448	275			
														640			412	288			
														670			440	278			
														640			417	287			
														670			/	285			
																	438	290			
																	414	282			
																	435	280			
																		280			
																		290			
																		273			
																		292			
																		275			

1	1	2	1	2	3	1	2	3	4	N	2	3	4	5	3	4	5	6		
0.000	0.000	0.000	205.0	48.85	20.65	128.0	60.40	22.10	11.65	DCA	30.62	21.65	10.73	6.545	10.30	8.650	4.269	2.825	207.0	
0.000	0.000	0.000	195.0	45.30	19.50	123.0	57.10	20.50	11.00	AC1	29.70	20.30	10.00	6.170	10.00	8.100	4.000	2.670	203.0	
0.000	0.000	0.000	195.0	45.30	19.50	123.0	57.10	20.50	11.00	AC2	29.70	20.30	9.99	6.150	10.00	8.100	4.000	2.670	203.0	
0.000	0.000	0.000	195.0	45.30	19.50	123.0	57.10	20.50	11.00	ACA	29.70	20.30	9.99	6.160	10.00	8.100	4.000	2.670	203.0	
000.0	*000.0*	*000.0	99.03	70.80	74.82	61.84	100.0	80.07	84.42	RHO	50.71	89.65	77.78	83.00	42.65	71.64	61.87	65.50	.966	DC CAL
000.0	*000.0*	*000.0	3.1	5.8	3.9	2.1	3.7	5.7	3.9	PFE	1.1	4.6	5.3	4.2	1.0	4.7	4.7	3.7	.981	AC CAL
00000	*00000*	*00000	31	81	51	33	37	71	46	MCF	22	51	68	51	24	66	75	57		


LIMITS
Spring
Wash
JEEP
TRAIL
Ripsey Hill
3570
Old Ripsey Mine
3764
Ripsey Wash
Ripsey Hill
3920
1 MILE
1 MILE
1 MILE
3283
3397
3282
3414
3408
3241
3806
3861
15
14
13
22
23
24


Spring
Ripsey
TRAIL
Spring
TORTILLA
Wash
JEEP
TRAIL
Ripsey Hill
3570
Old Ripsey Mine
Ripsey Wash
Ripsey Hill
3920
3283
3397
3806
3282
3414
3861



EXPLANATION

- P.P. — STATE MINERAL PROSPECTING PERMIT
- STATE MINERAL (OPEN ?)
- STATE SURFACE ONLY
- EXT. — PATENT MINING CLAIM
- 10 — UNPAT. MINING CLAIM WITH LOCATION MONUMENT
- SURVEY PT. HORIZONTAL CONTROL +/- 1.0' ACCURACY FOUND IN FIELD
- 10 — UNPAT. MNG. CLAIM WITH SECONDARY RIGHTS
- DH — DRILL HOLE LOCATION
- Public DOMAIN OPEN FOR PROSPECTING
- PRIVATE SURFACE & MINERAL
- I.P. LOCATION
- I.P. LOCATION & ANOMALISM
- GEOCHEM ANOMALISM

AURORA, WEST RIPSEY, BLUE BOY } SALAS ET AL CLAIMS

RIP — BADGETT CLAIMS

HEINRICHS
GEOEXPLORATION COMPANY
geophysical engineers
POST OFFICE BOX 5671, TUCSON, ARIZONA, 85703
Phone: 602/623-0578 Cable: GEOEX, Tucson
vancouver sydney

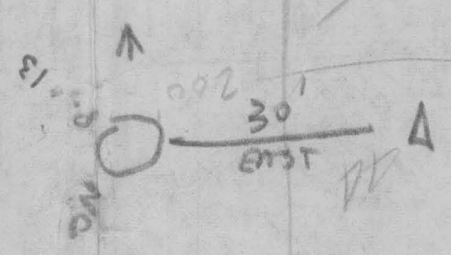
COMPOSITE

RIPSEY PROJECT
PINAL COUNTY, ARIZONA

FOR
RUSSELL BADGETT, JR.

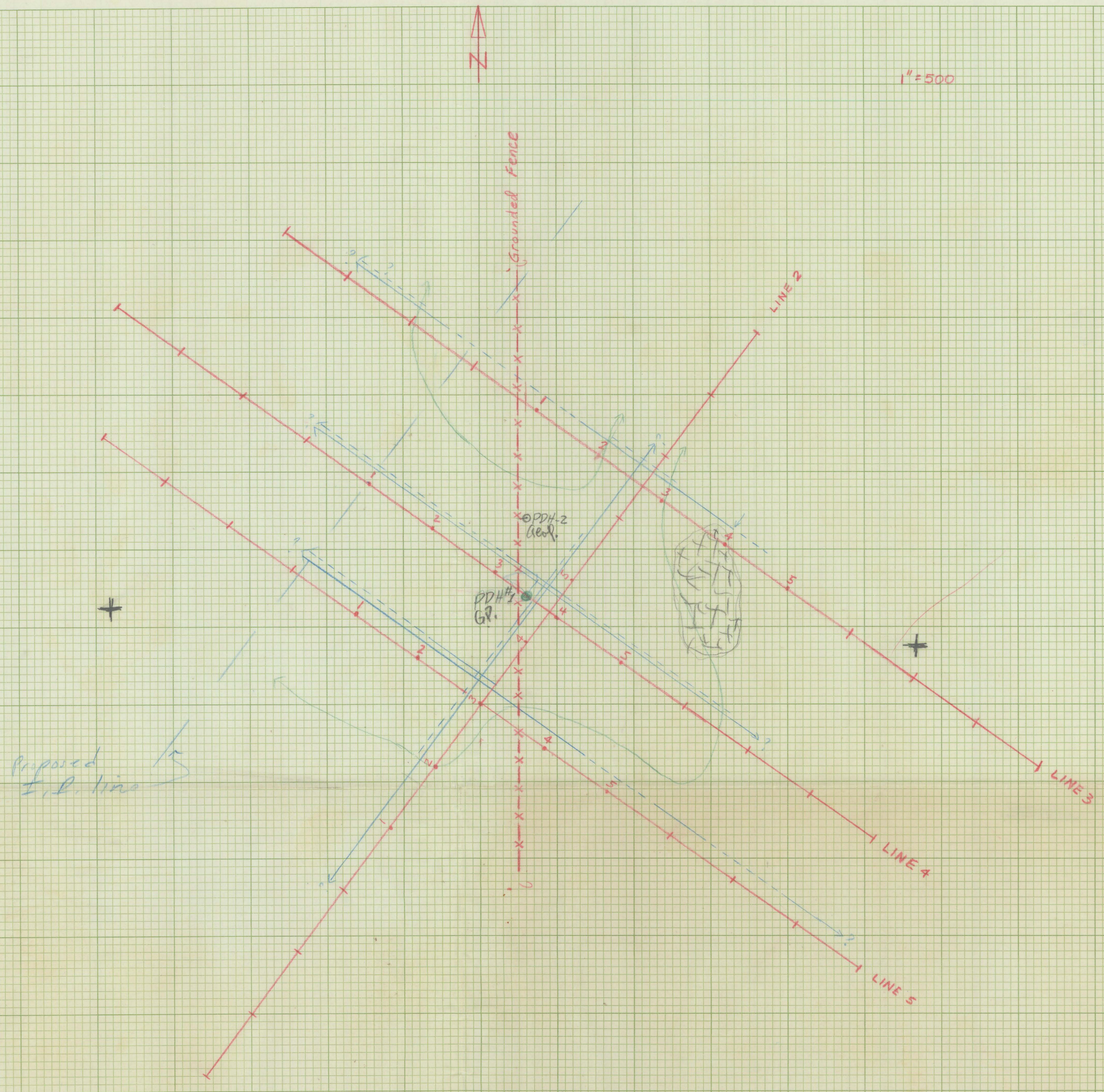
SCALE 1" = 2000' | DRAWN BY EGH | DATE 6-7-68

FO. I.P. MK.



1-1261 A
ON WEST

4 ON EAST



For
R.B. Badgett Jr.
I.P. Survey
Ripsey Area
5-18-68

K+E STANDARD ® CROSS SECTION
10×10 TO THE INCH

KEUFFEL & ESSER CO.
MADE IN U.S.A.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT FLO 5-3-68
LINE 1 HALF S SP. 1 DATE

PAGE

SEND	12	23	12	34	23	12	45	34	23	12
RECEIVE	0-5S	5-10S	—	10-15S	—	—	15-20S	—	—	—
RANGE	100	300	30	300	30	10	100	30	30	10
DC 1	630 640	105 105	154 169	106 105	270 270	650 740	931 999	234 260	104 94	320 345
DC 2	630 640	105 105	154 169	106 105	270 270	655 749	931 949	230 261	104 93	320 295
DC 3						640 750		231 260	110 95	318 352
DC 4										380 315
DC 5										665
DC 6										65
DC 7										13
DC 8										
DC AVG.	127.0	210	32.3	211	54.0	13.94	188.0	49.2	20.02	6.85
AC 1	62.0	101	15.6	104	26.0	6.85	91.0	23.9	9.60	3.35
AC 2	62.0	101	15.6	104	26.0	6.85	91.0	23.9	9.60	3.35
AC AVG.	124.0	202	31.2	208	52.0	13.70	182.0	47.8	19.20	6.70
S.P.	-0.1	+8.4	—	-1.0	—	—	-11.5	—	—	—
AC NOISE	<.1	<.1	—	<.1	—	—	<.1	—	—	—
T RES.	3.5	3.4	—	3.1	—		2.1	—	—	—

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PAGE

PROJECT FLO 5-3-68
LINE 1 HALF S SP. 1 DATE

SEND	45	34	23	12	45	34	23	12	CAL	CAL
RECEIVE	20-25	—	—	—	25-30	—	—	—	2A/23	2A/45
RANGE	30	10	10	3	10	10	3	3		
DC 1	165 151	789 690	350 411	150 141	608 646	389 362	218 226	96 102		
DC 2	165 154	791 690	359 429	160 150	610 641	381 376	205 234	115 67		
DC 3	162 154	790 700	360 409	166 140	600 652	380 360	211 235	105 91		
DC 4				180 135			205 239	94 90		
DC 5									196	195
DC 6									196	197
DC 7									196	195
DC 8									196	197
DC AVG.	31.7	14.82	7.75	3.08	12.51	7.49	4.41	1.906	392	392
AC 1	15.4	7.24	3.71	1.48	6.06	3.61	2.10	0.94	197	197
AC 2	15.4	7.24	3.71	1.48	6.06	3.61	2.10	0.93	197	197
AC AVG.	30.8	14.48	7.42	2.96	12.12	7.22	4.20	1.870	394	394
S.P.	+1.1	—	—	—	+0.1	—	—	—		
AC NOISE	<.1	—	—	—	<.1	—	—	—		
POT RES.	2.7	—	—	—	11.0	—	—	—		

PAGE

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT FLO 5/3/68

LINE 1 HALF S SP. 1 DATE

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	Hi									
VOLTAGE	110	120	110	120	120	110	175	120	120	110
CURRENT	2	2	2	2	2	2	2	2	2	2
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL	CAL
RECEIVE	20-25	→	→	→	25 30	→	→	→	2-3	4-5
RANGE	Hi	"	"	"	"	"	"	"		
VOLTAGE	175	120	120	110	175	120	120	120	120	175
CURRENT	2	2	2	2	2	2	2	2	2	2

FREQUENCIES .05 3.0

SENDER NO. MRM 136715

OPERATOR DAVES

RECEIVER NO. MRH 15674R

OPERATOR Jim King

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES 500'=a

PROJECT FLO 5-3-68

LINE 1 HALF N SP. 1 DATE

PAGE

SEND	45	34	45	23	34	45	12	23	34	45
RECEIVE	0-5N	5-10N	—	10-15N	—	—	15-20N	—	—	—
RANGE	300	100	30	100	30	10	100	30	10	10
DC 1	104 102	640 630	145 176	736 769	214 226	961 890	571 581	200 195	920 860	460 410
DC 2	104 102	640 630	145 176	736 769	211 226	916 880	571 581	200 195	900 842	450 410
DC 3					211 228	920 872			921 860	460 410
DC 4										
DC 5										
DC 6										
DC 7										
DC 8										
DC AVG.	206	127.0	32.2	150.5	43.8	17.97	115.2	39.5	17.65	8.66
AC 1	100	62.2	15.6	73.1	21.4	8.70	56.8	19.1	8.65	4.22
AC 2	100	62.2	15.6	73.1	21.4	8.70	56.8	19.1	8.65	4.22
AC AVG.	200	124.4	31.2	146.2	42.8	17.40	113.6	38.2	17.30	8.44
S.P.	-7.0	+2.5	—	+11.0	—	—	-2.3	—	—	
AC NOISE	<.1	<.1	—	<.1	—	—	<.1	—	—	—
POT RES.	7.1	4.4	—	5.5	—	—	20.1	—	—	—

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT FLO S-3-68
LINE 1 HALF N SP. 1 DATE

PAGE

SEND	12	23	34	45	12	23	34	45	CAL	CAL
RECEIVE	20-25N	—	—	—	25-30N	—	—	—	2A/34	2A/12
RANGE	30	10	10	3	10	3	3	3		
DC 1	138 120	650 720	411 358	214 214	356 350	274 195	164 151	89 90		
DC 2	135 124	651 711	400 361	225 201	320 390	266 210	201 115	84 115		
DC 3	132 125	654 710	400 369	234 190	319 409	270 230	130 180	165 79		
DC 4					370 339	252 225	130 178	116 85		
DC 5										
DC 6								0	199	196
DC 7									200	198
DC 8									199	196
DC AVG.	25.7	13.66	7.64	4.30	7.05	4.81	3.19	1.87?	200	198
AC 1	12.5	6.70	3.70	2.05	3.52	2.36	1.49	0.95	399	394
AC 2	12.5	6.70	3.70	2.05	3.52	2.36	1.49		200	198
AC AVG.	25.0	13.40	7.40	4.10	7.04	4.72	2.98	1.90	200	198
S.P.	-12.6	—	—	—	+0.4	—	—	—	400	396
AC NOISE	<.1	—	—	—	<.1	—	—	—		
POT RES.	10.3	—	—	—	5.9	—	—	—		

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT FLO 5/3/68

LINE 1 HALF N SP. 1 DATE

PAGE

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	Hi	"	"	"	"	"	"	"	"	"
VOLTAGE	175	120	175	120	120	175	110	120	120	175
CURRENT	2	2	2	2	2	2	2	2	2	2
SEND	1-2	2-3	34	45	1-2	2-3	3-4	4-5	CAL	CAL
RECEIVE	20-25	→	→	→	25-30	→	→	→	2A 3-4	2A/1-2
RANGE	Hi	"	"	"	"	"	"	"	Hi	Hi
VOLTAGE	110	120	120	175	110	120	120	175	120	120
CURRENT	2	2	2	2	2	2	2	2	2	2

FREQUENCIES .05 3.0

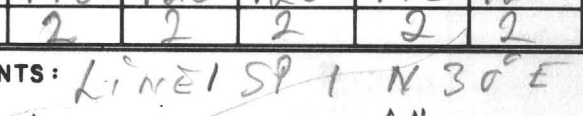
SENDER NO. MK7 136715

OPERATOR DAVE S.

RECEIVER NO. MK 415674 R

OPERATOR JIM K.

COMMENTS: LINE 1 SP 1 N 30° E



HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project RBJ Ripsey Line 1 (a = 500') Field date 5 1/2 Data page_____ Comp. date 5/14/68. Comp by C.S.L.

(A) Send	12	23	12	34	23	12	45	34	23	12		
(B) Receive												
(C) n separation												
(D) I	2											
(E) Vdc (avg)	127.0	210	32.3	211	54.0	13.94	188.0	49.2	20.02	6.85		
(F) DCcal												
(G) Kn x 10^{-3}	1.5	1.5	6	1.5	6	15	1.5	6	15	30		
(H) ρ dc=ExFxGx10^3/D	49	80	49	81	83	53	72	75	77	52		
(I) Vac Σ	124.0	202	31.2	208	52.0	13.70	182.0	47.8	19.20	6.70		
(J) AC noise x 2												
(K) Vac(corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	2.9	4.5	4.0	1.9	4.4	2.3	3.8	3.4	4.8	2.8		
(O) MCF=(M-1)(10^5)/H				23	53	43	53	45	62	54		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send	45	34	23	12	45	34	23	12		CAL		
(B) Receive												
(C) n separation												
(D) I										2 000		
(E) Vdc (avg)	31.7	14.82	7.75	3.08	12.51	7.49	4.41	1.906		392		
(F) DCcal										0.510		
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84				
(H) ρ dc=ExFxGx10^3/D	49	57	59	41	48	57	59	41				
(I) Vac Σ	30.8	14.48	7.42	2.96	12.12	7.22	4.20	1.870		394		
(J) AC noise x 2												
(K) Vac (corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.										1.005		
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	3.4	2.9	5.0	4.6	3.7	4.3	5.5	2.4				
(O) MCF=(M-1)(10^5)/H	69	51	85	112	77	75	93	59				

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project RBJ Ripsey Line 1 - N½ a = 500' Field date_____ Data page_____ Comp. date 5/4/68 Comp by C.S.L.

(A) Send	45	34	45	23	34	45	12	23	34	45		
(B) Receive	—	—	—	—	—	—	—	—	—	—		
(C) n separation												
(D) I	2	—	—	—	—	—	—	—	—	—		
(E) Vdc (avg)	206	127.0	32.2	150.5	43.8	17.97	115.2	39.5	17.65	8.66		
(F) DCcal												
(G) Kn x 10^{-3}	1.5	1.5	6	1.5	6	15	1.5	6	15	30		
(H) ρ dc=ExFxGx10^3/D	78 79	48	49	57	66	68	44	60	67	66		
(I) Vac Σ	200	124.4	31.2	146.2	42.8	17.40	113.6	38.2	17.30	8.44		
(J) AC noise x 2												
(K) Vac(corr) = $\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	3.440	2.527	3.638	3.4	2.7	3.7	1.8	3.8	2.4	3.0		
(O) MCF=(M-1)(10^5)/H	51	56	78	60	41	54	41	63	36	45		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send	12	23	34	45	12	23	34	45		CAL	—	
(B) Receive	—	—	—	—	—	—	—	—		—	—	
(C) n separation												
(D) I	—	—	—	—	—	—	—	→		2000	→	
(E) Vdc (avg)	25.7	13.66	7.64	4.30	7.05	4.81	3.19	1.887?		399	394	
(F) DCcal										.501	.508	
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84		.5	04 avg	
(H) ρ dc=ExFxGx10^3/D	39	52	58	57	27	36	42	40				
(I) Vac Σ	25.0	13.40	7.40	4.10	7.04	4.72	2.98	1.90		400	396	
(J) AC noise x 2												
(K) Vac (corr) = $\sqrt{I^2 - J^2}$										1.0	04 avg	
(L) AC-DC cal.										1.003	1.005	
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	3.2	2.3	3.7	5.3	0.5	2.3	7.5?	-0.3?				
(O) MCF=(M-1)(10^5)/H	82	44	64	93	19	64	179?	-8?				

B262 (Job No.) Line 2 Spread 1

Looking N53W Date 5/9/68 A= 500'

Center at 0 SW/NE (Label) 3.0 (Freq.)

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PAGE

PROJECT Badgett - Ripsey

LINE 2 HALF SW SP. 1 DATE 5-9

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5	5-10 →		10-15 →			15-20 →			
RANGE	100	100	30	100	30	30	300	30	30	10
DC 1	805	700	181	661	256	910	880	2110	121	604
DC 2	834	701	177	646	259	980	895	2145	126	617
DC 3	802	700	182	661	253	890	880	2080	121	578
DC 4	836	701	176	646	261	995	895	2170	126	606
DC 5	801		182		254	840		2090		564
DC 6	836		176		263	1005		2190		622
DC 7	802				251	830		2060		554
DC 8	837				263	1010		2200		638
DC AVG.										
AC 1	79.6	68.4	17.25	64.1	25.15	8.85	86.0	20.55	11.75	5.58
AC 2	79.6	68.4	17.25	64.1	25.15	8.85	86.0	20.55	11.75	5.58
AC AVG.										
S.P.	-12.0	+4.4		+3.9			+4.9			
AC NOISE	.05	.06		.05			.06			
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Bagett-Ripsey

LINE 2 HALF SW SP. 1 DATE 5-9

PAGE

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	Cal	
RECEIVE	20-25	→	→	→	25-30	→	→	→	1-2	
RANGE	30	10	10	10	10	10	10	3	300	
DC 1	1755	743	477	277	737	354	362	231	204	
DC 2	1880	763	538	300	812	444	344	214	204	
DC 3	1715	764	458	260	720	375	354	245	204	
DC 4	1935	795	564	296	780	514	342	212	204	
DC 5	1655	758	462	274	757	388	332	221		
DC 6	1985	775	580	304	763	496	374	197		
DC 7	1620	738	482	277	796	360	342	239		
DC 8	1990	758	586	312	763	434	378	212		
DC AVG.										
AC 1	17.6	7.20	4.86	2.64	7.50	3.85	3.19	1.99	204	
AC 2	17.6	7.20	4.86	2.64	7.50	3.85	3.19	1.99	204	
AC AVG.										
S.P.	+6.5				+3.9					
AC NOISE	.07				.07					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BADGET - RIDSEY

LINE 2 HALF SW SP. 1 DATE 5-9

PAGE 1

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5 SW	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi
VOLTAGE	380	240	380	100	240	380	220	100	240	380
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		CAL
RECEIVE	20-25	→	→	→	25-30	→	→	→		1-2
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi		Hi
VOLTAGE	220	100	240	380	220	100	240	380		220
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.0

FREQUENCIES .05 .30

SENDER NO. 13671-5

OPERATOR HIX

RECEIVER NO. 3641R

OPERATOR PALMER

COMMENTS:

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PAGE

PROJECT Badgett-Ripsey
LINE 2 HALF NE SP. 1 DATE 5-9

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	100	100	30	100	30	10	100	30	10	3
DC 1	695	805	180	63.4	903	360	735	~~154~~ 164	496	234
DC 2	685	837	180	61.8	912	336	733	161	426	290
DC 3	695	805	180	63.4	898	395	735	164	480	218
DC 4	685	837	180	61.8	940	300	733	160	446	286
DC 5					880	395		163	517	213
DC 6					945	283		159	458	293
DC 7					850	404		166	536	218
DC 8					945	274		159	458	300
DC AVG.										
AC 1	67.3	78.8	17.1	59.9	8.60	3.26	70.2	15.1	4.40	2.30
AC 2	67.3	78.8	17.1	59.9	8.60	3.26	70.2	15.1	4.41	2.29
AC AVG.										
S.P.	-0.7	+13.3		-3.0			+4.8			
AC NOISE	.07	.06		.07			.07			
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Badgett-Ripsey

LINE 2 HALF NE SP. 7 DATE 5-9

PAGE

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	Cal	
RECEIVE	20-25	→	→	→	25-30	→	→	→	4-5	
RANGE	30	10	10	3	10	10	3	3	300	
DC 1	181	797	342	180	735	414	183	114	2005	
DC 2	154	838	348	200	663	403	196	088	2005	
DC 3	181	802	346	200	806	424	176	100	2005	
DC 4	154	768	318	203	606	382	188	204	2005	
DC 5		848	328	176	765	445	201	106		
DC 6		756	324	216	560	363	181	036		
DC 7		896	363	166	900	462	204	135		
DC 8		774	318	227	526	326	171	154		
DC AVG.										
AC 1	16.3	7.60	3.08	1.87	6.84	3.79	1.74	1.06	199.5	
AC 2	16.3	7.58	3.08	1.86	6.84	3.79	1.74	1.06	199.5	
AC AVG.										
S.P.	+3.1				+10.1					
AC NOISE	.08				.06					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BADGET - RIPSEY
LINE 2 HALF NE SP. 1 DATE 5-9

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5 NE	5-10 NE	→	10-15	→	→	15-20	→	→	→
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi
VOLTAGE	220	100	220	240	100	220	380	240	100	220
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		CAL
RECEIVE	20-25	→		→	25-30	→		→		4-5
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi		Hi
VOLTAGE	380	240	100	220	380	240	100	220		380
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.0

FREQUENCIES .05 3.0
SENDER NO. 13671-5
OPERATOR HIX
RECEIVER NO. 3691 R
OPERATOR PALMER

COMMENTS:

HEINRICHS GEOEX B 262-68 LINE 2 SPD 1 LOOKING N35W 5-9-68 A= 500 FEET

2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	I	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000		
805	700	181	661	256	910	880	2110	121	604	DC	1755	743	477	277	737	354	362	231	204	LEFT	
834	701	177	646	259	980	895	2145	126	617		1880	463	538	300	812	444	344	214	204	SIDE	
802		182		253	890		2080		578		1715	764	458	260	720	375	354	245	204		
836		176		261	995		2170		606		1935	795	564	296	780	514	342	212	204		
801		182		254	840		2090		564		1655	758	462	274	757	388	332	221			
836		176		263	1005		2190		622		1985	775	580	304	763	496	374	197			
802				251	830		2060		554		1620	738	482	277	796	360	342	239			
837				263	1010		2200		638		1990	758	586	312	763	434	378	212			
												763									
81.89	70.05	17.91	65.35	25.72	9.286	88.75	21.27	12.35	5.946	DCA	18.09	7.205	5.165	2.865	7.683	4.244	3.511	2.214	204.0		
79.60	68.40	17.25	64.10	25.15	8.850	86.00	20.55	11.75	5.580	AC1	17.60	7.200	4.860	2.640	7.500	3.850	3.190	1.990	204.0		
79.60	68.40	17.25	64.10	25.15	8.850	86.00	20.55	11.75	5.580	AC2	17.60	7.200	4.860	2.640	7.500	3.850	3.190	1.990	204.0		
79.60	68.40	17.25	64.10	25.15	8.850	86.00	20.55	11.75	5.580	ACA	17.60	7.200	4.860	2.640	7.500	3.850	3.190	1.990	204.0		
60.21	51.51	52.68	48.05	75.65	68.28	65.26	62.56	90.81	87.44	RHO	53.20	~~52.98~~ 56.0	75.96	73.73	56.49	62.42	90.37	91.15	.980	DC CAL	
2.9	2.4	3.8	2.0	2.3	4.9	3.2	3.5	5.1	6.6	PFE	2.8	6.0 ~~6.1~~	6.3	8.5	2.4	10.2	10.1	11.2	1.000	AC CAL	
48	47	73	41	30	72	49	56	56	75	MCF	52	~~1~~ 107	83	116	43	164	112	123			

2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	I	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000		
695	805	180	634	903	360	735	164	496	234	DC	181	797	342	180	735	414	183	114	2005	RIGHT	
685	837	180	618	912	336	733	161	426	290		154	838	348	200	663	403	196	88	2005	SIDE	
				898	395		164	480	218			802	346	200	806	424	176	100	2005		
				940	300		160	440	286			768	318	203	606	382	188	204	2005		
				880	395		163	517	213			848	328	176	865	445	201	106			
				945	283		159	458	293			756	324	216	560	363	181	36			
				850	404		166	536	218			896	363	166	900	462	204	135			
				945	274		159	458	300			774	318	227	526	326	171	154			
69.00	82.10	18.00	62.60	9.070	3.471	73.40	16.21	4.763	2.550	DCA	16.75	8.134	3.367	1.949	7.186	4.070	1.890	1.147	200.5		
67.30	78.80	17.10	59.90	8.600	3.260	70.20	15.10	4.400	2.300	AC1	16.30	7.600	3.080	1.870	6.840	3.790	1.740	1.060	199.5		
67.30	78.80	17.10	59.90	8.600	3.260	70.20	15.10	4.410	2.290	AC2	16.30	7.580	3.080	1.860	6.840	3.790	1.740	1.060	199.5		
67.30	78.80	17.10	59.90	8.600	3.260	70.20	15.10	4.405	2.295	ACA	16.30	7.590	3.080	1.865	6.840	3.790	1.740	1.060	199.5		
51.62	61.42	53.87	46.83	27.14	25.97	54.91	48.50	35.63	38.15	RHO	50.12	60.85	50.38	51.04	53.76	60.90	49.49	48.06	.998	DC CAL	
2.0	3.7	4.7	4.0	4.9	6.0	4.0	6.8	7.6	10.6	PFE	2.2	6.6	8.8	4.0	4.5	6.9	8.1	7.7	.995	AC CAL	
39	60	88	85	182	229	74	140	213	277	MCF	45	109	174	78	84	113	163	160			

N 55°W

PAGE

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Badgett-Ripsey
LINE 3 HALF NW SP. / DATE 5-10

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	100	30	30	100	30	10	300	100	10	10
DC 1	441	2155	1150	867	970	672	133	305	516	478
DC 2	432	2160	1060	883	890	740	131	326	543	552
DC 3	441	2155	1150	867	970	670	133	305 ?	496	460
DC 4	432	2160	1060	883	890	724	131	306	584	574
DC 5						677			476	445
DC 6						738		61.1	582	583
DC 7						685		63.1	458	425
DC 8						726			596	602
DC AVG.	87.3	43.15	22.10	175.0	18.60	14.09	264		10.50	10.23
AC 1	42.0	20.47	10.55	82.4	8.80	6.70	125	29.7	4.86	4.80
AC 2	42.0	20.47	10.55	82.4	8.80	6.70	125	29.7	4.86	4.80
AC AVG.	84.0	40.94	21.10	164.8	17.60	13.40	250	59.4	9.72	9.60
S.P.	0	-5.0		-9.5			+7.3			
AC NOISE	.06	.06		.06			.06			
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Badgett - Ripsey

LINE 3 HALF NW SP. 1 DATE 5-10

PAGE

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	cal	
RECEIVE	20-25	→		→	25-30	→		→	1-2	
RANGE	~~100~~ 30	30	3	10	10	10	3	3	300	
DC 1	~~869~~	975	255	336	700	514	120	189	202	
DC 2	~~885~~	1060	269	330	745	405	172	241	202	
DC 3	209	965	255	342	698	524	112	205	202	
DC 4	192	1065	262	326	776	385	166	231	202	
DC 5	209	975	258	345	697	526	101	210		
DC 6	192	1065	259	318	767	370	169	224		
DC 7		960	271	354	694	542	115	220		
DC 8		1070	246	320	777	350	169	224		
DC AVG.	40.1	20.32	5.21	6.69	14.62	9.10	2.80	4.39	404	
AC 1	~~82.3~~	9.35	2.39	3.08	6.65	4.17	1.29	1.97	199	
AC 2	18.7/18.7	9.35	2.39	3.08	6.65	4.17	1.29	1.97	199	
AC AVG.	37.4	18.70	4.78	6.16	13.30	8.34	2.58	3.94	398	
S.P.	-15.8				+3.3					
AC NOISE	.06				.06					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BADGET - RIPSEY

LINE 3 HALF NW SP. 1 DATE 5-10

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	05 NW	5-10 NW	→	10-15	→	→	15-20	→	→	→
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi
VOLTAGE	150	80	150	80	80	150	280	80	80	150
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		CWL
RECEIVE	20-25	→		→	25-30	→	→	→		1-2
RANGE ~~X~~	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi		Hi
VOLTAGE	280	80	80	150	270	80	80	150		280
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.0

FREQUENCIES .05 3.0

SENDER NO. 13671 S

OPERATOR HIX

RECEIVER NO. 3641 R

OPERATOR PALMER

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PAGE

PROJECT Badgett - Ripsey

LINE 3 HALF SE SP. 1 DATE 5-10

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	30	100	30	100	30	10	300	30	30	10
DC 1	211	427	1290	775	218	614	241	242	920	390
DC 2	230	439	960	763	195	678	242	244	930	383
DC 3	211	420	1430	775	219	642	241	241	910	396
DC 4	230	434	850	763	196	672	242	244	920	414
DC 5		436	1460		216	683		244	940	370
DC 6		441	840		196	690		244	950	406
DC 7		427	1330		218	656		242	940	364
DC 8		442	790		195	698		243	950	422
DC AVG.	44.1	86.6	22.6	153.8	41.3	13.36	483.0	48.6	18.64	7.83
AC 1	21.0	42.2	10.6	73.8	19.9	6.44	231.5	23.4	8.95	3.60
AC 2	21.0	42.2	10.6	73.8	19.9	6.44	231.5	23.4	8.95	3.62
AC AVG.	42.0	84.4	21.2	147.6	39.8	12.88	463.0	46.8	17.90	7.22
S.P.	+1.5	-8.1		+6.9			-2.8			
AC NOISE	.06	.05		.05			.06			
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Badgett - Ripsey
LINE 3 HALF SE SP. 1 DATE 5-10

PAGE

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	cal	
RECEIVE	20-25	→	→	→	25-30	→	→	→	4-5	
RANGE	100	10	10	3	30	10	3	3	300	
DC 1	403	680	340	196	181	296	195	089	2005	
DC 2	406	640	335	146	174	295	156	094	2005	
DC 3	403	642	336	219	184	316	196	090	2005	
DC 4	406	658	317	129	172	277	159	094	2005	
DC 5		618	302	198	185	340	198	091		
DC 6		604	202	116	172	267	141	090		
DC 7		654	334	209	188	360	203	090		
DC 8		642	326	142	170	254	135	094		
DC AVG.	80.9	12.79	6.65	3.39	35.7	6.09	3.48	1.83	401	
AC 1	39.0	6.18	3.15	1.61	17.05	2.94	1.62	0.84	198.5	
AC 2	39.0	6.18	3.15	1.61	17.05	2.94	1.62	0.84	198.5	
AC AVG.	78.0	12.36	6.30	3.22	34.1	5.88	3.24	1.68	397	
S.P.	-2.2				-2.0					
AC NOISE	.07				.06					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BADGET

LINE 3 HALF SE SP. 1 DATE 5-10

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0.5 NE	5-10 →		10-15 →			15-20 →			
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi
VOLTAGE	280	80	280	80	80	280	150	80	80	280
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		CAL.
RECEIVE	20-25 →				25-30 →					4-5
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi		Hi
VOLTAGE	150	80	80	280	150	80	80	280		150
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.0

FREQUENCIES .05 30

SENDER NO. 13671 S

OPERATOR HCK

RECEIVER NO. 3641 R

OPERATOR PALMER

COMMENTS:

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Rainy RBJ Line 3 - NW½ Field date_____ Data page_____ Comp. date 5/11/66 Comp by C.S.L.

(A) Send	45	34	45	23	34	45	12	23	34	45		
(B) Receive												
(C) n separation												
(D) I	2											
(E) Vdc (avg)	87.3	93.15	22.10	175.0	18.60	14.09	264	~~61.1~~/63.1	10.50	10.23		
(F) DCcal												
(G) Kn x 10^{-3}	1.5	1.5	6	1.5	6	15	1.5	6	15	30		
(H) ρ dc=ExFxGx10^3/D	32	16	33	65	28	52	98	94	39	76		
(I) Vac Σ	84.0	40.94	21.10	164.8	17.60	13.40	250	59.4	9.72	9.60		
(J) AC noise x 2												
(K) Vac(corr) = $\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	2.4	3.8	3.2	4.6	4.1	3.6	4.0	4.6	6.4	5.0		
(O) MCF=(M-1)(10^5)/H				71	146	69	41	49	164	66		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send	12	23	34	45	12	23	34	45		CAL		
(B) Receive												
(C) n separation												
(D) I										2000		
(E) Vdc (avg)	40.1	20.32	5.21	6.69	14.62	9.10	2.80	4.39		404		
(F) DCcal										.495		
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84				
(H) ρ dc=ExFxGx10^3/D	60	75	39	87	54	68	36	91				
(I) Vac Σ	37.4	18.70	4.78	6.16	13.30	8.34	2.58	3.94		398		
(J) AC noise x 2												
(K) Vac (corr) = $\sqrt{I^2 - J^2}$												
(L) AC-DC cal.										.985		
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	5.6	7.0	7.4	7.0	8.3	7.5	6.9	9.8				
(O) MCF=(M-1)(10^5)/H	93	93	190	80	154	110	192	108				

HEINRICHS GEOEXPLORATION COMPANY

INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Rupiny BBJ Line 3-SE ½ Field date_____ Data page_____ Comp. date 5/11/68. Comp by C.S.L.

(A) Send	12	23	12	34	23	12	45	34	23	12		
(B) Receive												
(C) n separation												
(D) I	2											
(E) Vdc (avg)	44.1	86.6	22.6	153.8	41.3	13.36	483.0	48.6	18.64	7.83		
(F) DCcal												
(G) Kn x 10^{-3}	1.5	1.5	6	1.5	6	15	1.5	6	15	30		
(H) ρ dc=ExFxGx10^3/D	16	32	34	58	62	50	181	73	70	59		
(I) Vac Σ	42.0	84.4	21.2	147.6	39.8	12.88	463.0	46.8	17.90	7.22		
(J) AC noise x 2												
(K) Vac(corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	4.0 3.9	1.6 2.0	5.5 4.4	3.2	2.7	2.7	3.3	2.8	3.1	7.4		
(O) MCF=(M-1)(10^5)/H	244	63	129	55	44	54	18	38	44	125		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send	45	34	23	12	45	34	23	12		4L		
(B) Receive												
(C) n separation												
(D) I										2000		
(E) Vdc (avg)	80.9	12.79	6.45	3.39	35.7	6.09	3.48	1.83		401 1999		
(F) DCcal												
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84				
(H) ρ dc=ExFxGx10^3/D	121	48	50	44	134	46	46	38				
(I) Vac Σ	78.0	12.36	6.30	3.22	34.1	5.88	3.24	1.68		397		
(J) AC noise x 2												
(K) Vac (corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.										.990		
(M) ρdc/ρac =ExL/K			4.5									
(N) PFE=(M-1)(10^2)	2.7	2.4	~~1.4~~	4.2	3.6	2.5	6.3	7.8				
(O) MCF=(M-1)(10^5)/H	22	50	90	95	27	54	137	205				

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Badgett-Ripsey

LINE 4 HALF NW SP. 1 DATE 5-15

PAGE

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	300	300	100	300	100	30	300	100	30	10
DC 1	190	239	33.8	162	529	126	167	423	191	660
DC 2	190	237	34.7	162	491	125	167	459	215	620
DC 3	190	239	33.8	162	529	126	167	423	190	666
DC 4	190	237	34.7	162	491	125	167	459	216	620
DC 5									190	680
DC 6									216	595
DC 7										698
DC 8										585
DC AVG.	380	476	68.5	324	102.0	251	334	88.2	40.58	12.86
AC 1	181	227	32.2	154.5	47.7	11.6	158	40.8	18.6	6.00
AC 2	181	227	32.2	154.5	47.7	11.6	158	40.8	18.6	6.00
AC AVG.	362	454	64.4	309	95.4	23.2	316	81.6	37.2	12.00
S.P.	-5.0	+10.0		-5.4			-0.9			
AC NOISE	.05	.05		.06			.06			
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Badgett - Ripsey

LINE 4 HALF NW SP. 1 DATE 5-15

PAGE

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	cal	
RECEIVE	20-25	→		→	25-30	→		→	1-2	
RANGE	100	30	10	3	30	10	10	3	300	
DC 1	229	1200	530	237	1000	558	448	163	199	
DC 2	243	780	598	211	1210	598	292	159	199	
DC 3	229	1215	533	244	960	545	442	164	199	
DC 4	243	760	595	209	1250	602	273	158	199	
DC 5		1220	552	241	930	542	463	175		
DC 6		755	588	210	1260	608	270	159		
DC 7		1240	552	245	910	533	467	167		
DC 8		745	582	208	1290	618	268	155		
DC AVG.	47.2	19.84	11.35	45.21	21.9	11.47	7.33	3.26	398	
AC 1	22.0	9.05	5.21	2.10	10.05	5.18	3.32	1.53	199	
AC 2	22.0	9.05	5.21	2.10	10.05	5.18	3.32	1.53	199	
AC AVG.	44.0	18.1	10.42	4.20	20.1	10.36	6.64	3.06	398	
S.P.	+5.9				-4.0					
AC NOISE	.06				.06					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BADGET - RIPSEY

LINE 4 HALF NW SP. 1 DATE 5-16

PAGE 4

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5 NW	5-10 →	→	10-15 NW	→	→	15-20 →	→	→	→
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi
VOLTAGE	260	470	260	470	470	260	260	470	470	260
CURRENT	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		CML
RECEIVE	20-25 →	→	→	→	25-30 →	→	→	→		1-2
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi		Hi
VOLTAGE	260	470	470	260	260	470	470	260		170
CURRENT	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		2.0

FREQUENCIES .05 3.0

SENDER NO. 66445

OPERATOR HIX

RECEIVER NO. MK 4

OPERATOR PALMER

COMMENTS:

N 55° W

PAGE

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Badgett - Ripsey

LINE 4 HALF SE SP. 1 DATE 5-15

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5	5-10 →		10-15	→		25-25	→		
RANGE	300	300	30	100	30	10	30	30	10	10
DC 1	154	~~1265~~	235	~~500~~	1000	360	128 130	950 1010	310 418	358 530
DC 2	154	~~1260~~	212	450	1045	420	131 144	655 660	432 490	298 318
DC 3	154	~~1265~~	238	450	980	362	126 128	1000 910	325 320	265 210
DC 4	154	1265	216	450	1040	420	130 138	790 590	467 382	258 320
DC 5		1260	239	450	960	368	126 126	1040 900	296 280	218 313
DC 6		1265	215		1050	408	135 141	810 700	480 485	208 382
DC 7		1260	238		960	380	127 125	1100 1010	300 438	272 258
DC 8			211		1060	400	140 145	730 700	458 512	336 395
DC AVG.	308	25.25	45.17	90.0	20.19	7.82	26.85	16.97	7.98	5.82
AC 1	146	120	21.05	43.7	9.55	3.62	13.3	8.00	3.90	2.37
AC 2	146	120	21.05	43.7	9.55	3.62	13.3	8.00	3.90	2.37
AC AVG.	292	240	42.1	87.4	19.1	7.24	26.6 09	16.0	7.80	4.74
S.P.	+0.2	-5.0		+3.9			-0.6			
AC NOISE	.05	.06		.06			.06			
POT RES.							This	is 2nd	Full set	

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Badgett-Ripsey
LINE 4 HALF SE SP. 1 DATE 5-15

PAGE

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	cal	
RECEIVE	15-20	→	→	→	25-30	→	→	→	4-5	
RANGE	100	30	10	10	10	10	10	10	300	
DC 1	370	184	672	347	802 802	540	260 265	260 258	1990	
DC 2	400	156	706	459	630 613	502	300 300	263 280	1985	
DC 3	360	196	680	340	768 840	518	240 247	277 231	1990	
DC 4	412	160	723	473	620 605	550	300 295	240 333	1985	
DC 5	360	191	690	326	761 833	468	230 250	256 192		
DC 6	418	163	648	420	670 582	580	300 298	258 322		
DC 7	355	195	650	285	802 867	450	258 258	267 228		
DC 8	416	165	738	350	630 557	590	308 302	270 288		
DC AVG.	77.09	35.3	13.72	7.58	14.27	10.38	5.51	5.27	397.5	
AC 1	37.0	16.6	6.32	3.41	7.07	4.98	2.60	2.52	198.5	
AC 2	37.0	16.6	6.32	3.41	7.10	5.00	2.60	2.52	198.5	
AC AVG.	74.0	33.2	12.64	6.82	14.17	9.98	5.20	5.04	397	
S.P.	+2.9				-4.0					
AC NOISE	.05				.06					
POT RES.	This	is	Full	set						

NS5°E

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BADGET-RIPSEY
LINE 4 HALF SE SP. 1 DATE 5-15

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5SE	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi
VOLTAGE	170	320	170	320	320	170	180	320	320	180
CURRENT	2.0	2.	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		CAL.
RECEIVE	20-25	→	→	→	25-30	→	→	→		4-5
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi		Hi
VOLTAGE	180	320	320	170	180	320	320	260		180
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	3.0		2.0

FREQUENCIES .05 3.0
SENDER NO. 13671 5
OPERATOR Hix
RECEIVER NO. MK 4
OPERATOR PALMER

COMMENTS:

N 55° W

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Badgett-Ripsey Line 4 Sol NW½ Field date 5-16-68 Data page_____ Comp. date_____. Comp by_____

(A) Send	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5		
(B) Receive	0-5	5-10	→	10-15	→	→	15-20	→	→	→		
(C) n separation	1	1	2	1	2	3	1	2	3	4		
(D) I	3A	→	→	→	→	→	→	→	→	→		
(E) Vdc (avg)	382	476	68.5	324	102	25.1	334	88.2	40.58	12.86		
(F) DCcal	.5025											
(G) Kn x 10^{-3}	1.5	1.5	6.0	1.5	6.0	15.0	1.5	6.0	15.0	30.0		
(H) ρ dc=ExFxGx10^3/D	96	120	69	81	103	63	84	89	102	65		
(I) Vac Σ	362	454	64.4	309	95.4	23.2	316	81.6	37.2	12.0		
(J) AC noise x 2												
(K) Vac(corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.	1.000											
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	5.5	4.8	6.4	4.9	6.9	8.2	5.7	8.1	9.1	7.2		
(O) MCF=(M-1)(10^5)/H				60	67	130	68	91	89	111		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		cal		
(B) Receive	20-25	→	→	→	25-30	→	→	→		1-2		
(C) n separation	2	3	4	5	3	4	5	6				
(D) I	3A	→	→	→	→	→	→	→		2A		
(E) Vdc (avg)	47.2	19.84	11.35	4.521	21.9	11.47	7.33	3.26		398		
(F) DCcal												
(G) Kn x 10^{-3}	6.0	15.0	30.0	52.5	15.0	30.0	52.5	84.0				
(H) ρ dc=ExFxGx10^3/D	47	50	57	40	55	58	64	46				
(I) Vac Σ	44.0	18.1	10.42	4.20	20.1	10.36	6.64	3.06		398		
(J) AC noise x 2												
(K) Vac (corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	7.3	9.6	8.9	7.6	9.0	10.7	10.4	6.5				
(O) MCF=(M-1)(10^5)/H	155	192	156	190	164	184	163	141				

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Badgett-Ripsey Line 4 Sp1 SE½ Field date 5-15-68 Data page_____ Comp. date_____. Comp by R.P.

(A) Send	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2		
(B) Receive	0-5	5-10	→	10-15	→	→	15-20	→	→	→		
(C) n separation	1	1	2	1	2	3	1	2	3	4		
(D) I	2A	→	→	→	→	→	2A	2A	→	→		
(E) Vdc (avg)	308	252.5	45.17	90.0	20.19	7.82	77.09	35.3	13.72	7.58		
(F) DCcal	.503											
(G) Kn x 10^{-3}	1.5	1.5	6.0	1.5	6.0	15.0	1.5	6.0	15.0	30.0		
(H) ρ dc=ExFxGx10^3/D	116	95	68	34	30	30	29	53	52	57		
(I) Vac Σ	292	240	42.1	87.4	19.1	7.24	74.0	33.2	12.64	6.82		
(J) AC noise x 2												
(K) Vac(corr) = $\sqrt{I^2 - J^2}$												
(L) AC-DC cal.	.999											
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	5.3	5.1	7.2	2.8	5.6	7.9	4.0	6.2	8.4	11.0		
(O) MCF=(M-1)(10^5)/H				82	187	263	211	117	162	193		

+0.2 -5.0 +3.9 +2.9

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		cal		
(B) Receive	20-25	→	→	→	25-30	→	→	→		4-5		
(C) n separation	2	3	4	5	3	4	5	6				
(D) I	2A	→	→	→	2A	→	→	3A		2A		
(E) Vdc (avg)	26.45	16.97	7.98	5.82	14.27	10.38	5.51	5.27		397.5		
(F) DCcal												
(G) Kn x 10^{-3}	6	15	30	52.5	15	30	52.5	84.0				
(H) ρ dc=ExFxGx10^3/D	70	64	60	77	54	78	73	74				
(I) Vac Σ	26.6	16.0	7.80	4.74	14.17	9.98	5.20	5.04		397		
(J) AC noise x 2												
(K) Vac (corr) = $\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρdc/ρac =ExL/K	0.9											
(N) PFE=(M-1)(10^2)	~~0.7~~	5.9	2.2?	22.6?	0.6	3.9	5.8	4.4?				
(O) MCF=(M-1)(10^5)/H	~~26~~ 23	92	37?	294?	17	50	79	40?				

23 -0.6 -4.0

N 55° W

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PAGE

PROJECT Badgett - Ripsey
LINE 5 HALF NW SP. 1 DATE 5-14

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5	5-10	→	10-15	→	→	15-20	→	→	→
RANGE	100	100	30	300	30	10	300	100	30	10
DC 1	740	688	129	109	212	522	111	350	950	290
DC 2	720	687	124	109	206	596	109	330	980	317
DC 3	740	688	127	109	216	558	111	350	960	288
DC 4	720	687	123	109	200	627	109	330	970	322
DC 5			133		214	576			980	284
DC 6			123		209	620			950	323
DC 7			129		210	522			1000	282
DC 8			126		205	657			940	322
DC AVG.	146.0	137.5	25.33	218	41.81	11.68	220	68.0	19.39	6.06
AC 1	71.2	65.7	12.1	101	19.3	5.17	100.5	31.2	8.90	2.75
AC 2	71.2	65.7	12.1	101	19.3	5.17	100.5	31.2	8.90	2.70
AC AVG.	142.4	131.4	24.2	202	38.6	10.34	201	62.4	17.8	5.45
S.P.	-2.5	-3.5		+6.5			-4.9			
AC NOISE	.06	.05		.06			.06			
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Badgett-Ripsey

LINE 5 HALF NW SP. 1 DATE 5-11

PAGE

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5	cal	
RECEIVE	20-25	→		→	25-30	→		→	1-2	
RANGE	100	30	10	3	30	10	10	3	300	
DC 1	268	122	453	245	1100	548	307	139	200	
DC 2	263	130	442	265	850	588	390	120	201	
DC 3	268	117	428	212	1130	542	278	119	200	
DC 4	263	135	460	294	840	610	393	130	201	
DC 5		113	430	213	1160	546	263	149		
DC 6		143	456	289	820	617	410	120		
DC 7		109	430	220	1170	522	268	135		
DC 8		140	458	282	800	623	423	130		
DC AVG.	53.1	25.09	8.86	5.02	19.77	11.46	6.76	2.59	401	
AC 1	24.8	11.5	4.10	2.20	9.10	5.30	3.20	1.26	200.5	
AC 2	24.8	11.5	4.10	2.19	9.10	5.30	3.20	1.26	200.5	
AC AVG.	49.6	23.0	8.20	4.39	18.2	10.6	6.40	2.52	401	
S.P.	+3.4				+9.5					
AC NOISE	.06				.05					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BADGETT-RIDSEY
LINE 5 HALF NW SP. 1 DATE 5-14

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5NW	5-10NW	→	10-15	→	→	15-20	→	→	→
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi
VOLTAGE	160	140	160	380	140	160	420	380	140	160 *
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		CAL
RECEIVE	20-25	→	→	→	25-30	→	→	→		1-2
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi		Hi
VOLTAGE	420	380	140	250	420	380	200	250		420
CURRENT	2.0	2.0	2.0	3.0 ✓	2.0	2.0	3.0	3.0		2.0

FREQUENCIES .05 3.0
SENDER NO. 136715
OPERATOR Hix
RECEIVER NO. MK 4
OPERATOR PALMER

COMMENTS: * sender acting up on AC
✓ 3.0 Amps.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Badgett - Ripsey
LINE 5 HALF SE SP. 1 DATE 5-11

PAGE

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5	5-10 →		10-15 →			15-20			→
RANGE	100	100	30	100	100	10	100	30	30	10
DC 1	692	713	126	752	296	712	440	150	750	333
DC 2	690	720	126	786	240	~~668~~ 704	418	109	960	270
DC 3	692	713	129	748	292	~~749~~ 665	434	152	760	422
DC 4	690	725	122	788	237	~~665~~ 678	418	110	930	250
DC 5		712	129	748	298	~~722~~ 714	441	151	780	362
DC 6		728	123	790	240	668	415	109	900	295
DC 7		708	131	743	293	~~753~~ 692	447	151	750	357
DC 8		730	124	792	234	~~664~~ 718	408	110	930	313
DC AVG.	138.2	143.64	25.29	153.57	53.29	13.82	85.63	26.06	16.91	6.51
AC 1	66.2	70.8	12.05	74.8	26.1	6.53	42.0	12.6	8.10	3.07
AC 2	66.2	70.8	12.05	75.0	26.1	6.51	42.0	12.6	8.10	3.07
AC AVG.	132.4	141.6	24.1	149.8	52.2	13.04	84.0	25.2	16.2	6.14
S.P.	+11.4	0		+8.7			-13.3			
AC NOISE	.06	.06		.07			.06			
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT Badgett-Ripsey

LINE 5 HALF SE SP. 1 DATE 5-11

PAGE

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2	Cal	
RECEIVE	20-25	→	→	→	25-30	→	→	→	4-5	
RANGE	30	10	10	10	30	10	10	3	300	
DC 1	144	882	628	298	870	422	445	281 199	199	
DC 2	155	670	612	228	810	580	425	095 265	201	
DC 3	139	890	670	328	880	428	478	195 173	199	
DC 4	153	658	620	230	810	575	418	184 244	201	
DC 5	140	872	650	350	880	412	452	215 186		
DC 6	158	689	620	182	810	620	436	230 211		
DC 7	135	842	662	400		370	430	170 174		
DC 8	155	682	608	182		612	477	253 224		
DC AVG.	29.41	15.44	12.72	5.59	16.88	10.01	8.84	4.06	400	
AC 1	14.5	7.48	6.15	2.67	8.10	4.78	4.23	1.95	200	
AC 2	14.5	7.48	6.13	2.67	8.10	4.78	4.23	1.95	200	
AC AVG.	29.0	14.96	12.28	5.34	16.2	9.56	8.46	3.90	400	
S.P.	+4.0				+7.0					
AC NOISE	.06				.07					
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT BADGET - RIPSEY
LINE 5 HALF SE SP. 1 DATE 5-14

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5SE	5-10SE →		10-15 →			15-20 →			
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi
VOLTAGE	410	380	410	140	380	410	250	140	380	410
CURRENT	2.0	2.0	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		CAL
RECEIVE	20-25 →				25-30 →					4-5
RANGE	Hi	Hi	Hi	Hi	Hi	Hi	Hi	Hi		Hi
VOLTAGE	250	140	380	410	250	140	380	410		160
CURRENT	3.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0		2.0

FREQUENCIES .05 3.0
SENDER NO. 13671 S
OPERATOR HIX
RECEIVER NO. MK4
OPERATOR PALMER

COMMENTS:

HEINRICHS GEOEXPLORATION COMPANY
INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

Project Badgett-Ripsey Line 5-Sp1-NW1/2 Field date 5-15-68 Data page_____ Comp. date_____. Comp by_____

(A) Send	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5		
(B) Receive	0-5	5-10 →		10-15	→		15-20 →			→		
(C) n separation	1	1	2	1	2	3	1	2	3	4		
(D) I	2A	→								→		
(E) Vdc (avg)	146	137.5	25.33	218	41.81	11.68	220	68.0	19.39	6.06		
(F) DCcal	.499											
(G) Kn x 10^{-3}	1.5	1.5	6.0	1.5	6.0	15.0	1.5	6.0	15.0	30.0		
(H) ρ dc=ExFxGx10^3/D	55	51	38	82	63	44	82	102	73	45		
(I) Vac Σ	142.4	131.4	24.2	202	38.6	10.34	201	62.4	17.8	5.45		
(J) AC noise x 2												
(K) Vac(corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.	1.000											
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	2.5	4.6	4.7	7.9	8.3	13.0	9.5	9.0	8.9	11.2		
(O) MCF=(M-1)(10^5)/H				96	132	295	116	88	122	249		

Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		Cal		
(B) Receive	20-25 →			→	25-30 →			→		1-2		
(C) n separation	2	3	4	5	3	4	5	6				
(D) I	2A	→		3A	2A	→	3A	→		2A		
(E) Vdc (avg)	53.1	25.09	8.86	5.02	19.77	11.46	6.76	2.59		401		
(F) DCcal												
(G) Kn x 10^{-3}	6.0	15.0	30.0	52.5	15.0	30.0	52.5	84.0				
(H) ρ dc=ExFxGx10^3/D	79	94	66	44	74	86	59	36				
(I) Vac Σ	49.6	23.0	8.20	4.39	18.2	10.6	6.40	2.52		401		
(J) AC noise x 2												
(K) Vac (corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	7.1	9.1	8.0	14.4	8.6	8.1	5.6	2.8 ?				
(O) MCF=(M-1)(10^5)/H	90	97	121	327	116	94	95	78 ?				

HEINRICHS GEOEXPLORATION COMPANY

INDUCED POLARIZATION SURVEY COMPUTATION SHEET

Page_____

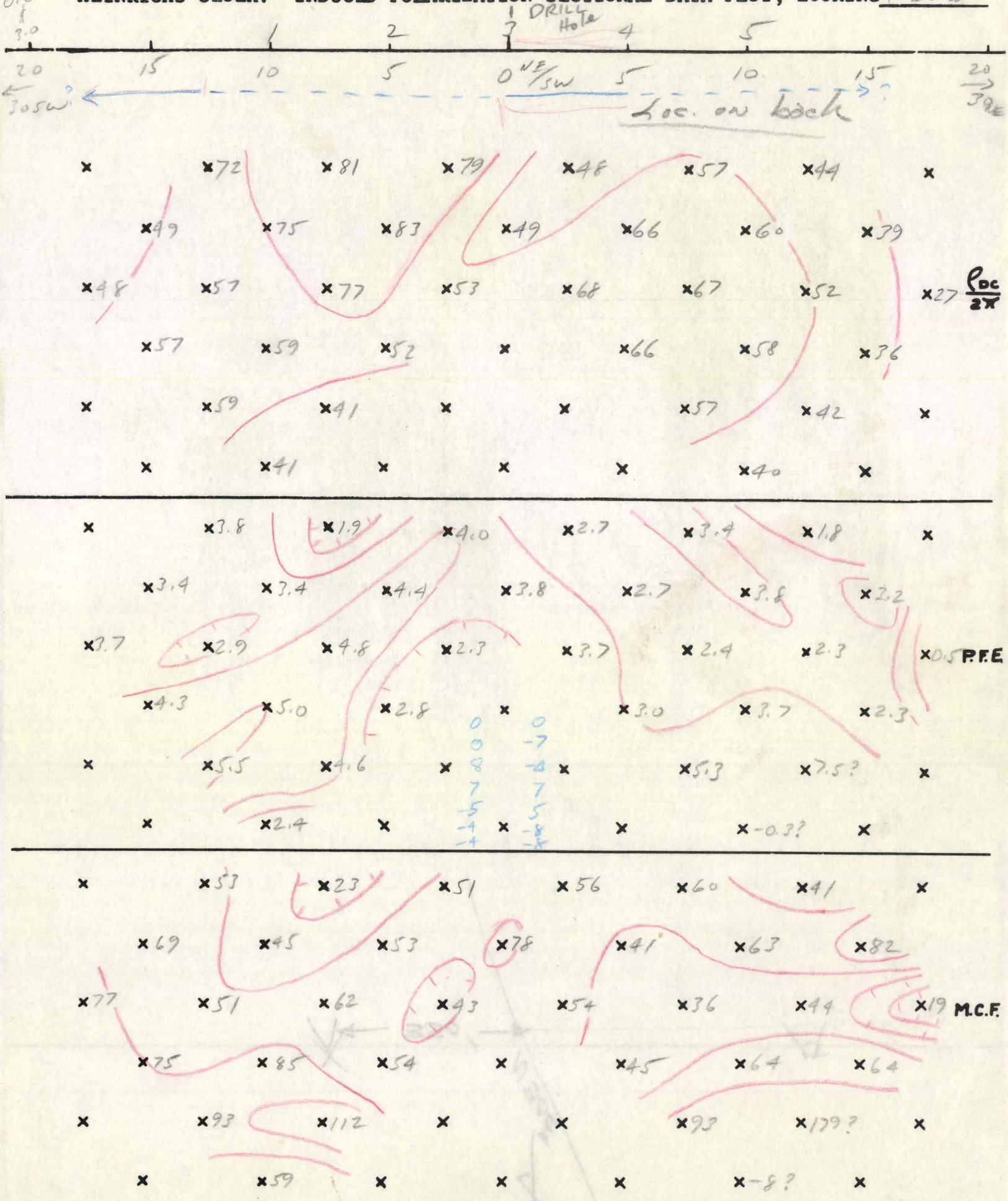
Project Badgett-Ripsey Line 5 Sp1 SE½ Field date 5-15-68 Data page_____ Comp. date_____. Comp by_____

(A) Send	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2		
(B) Receive	0-5	5-10	→	10-15	→	→	15-20	→	→	→		
(C) n separation	1	1	2	1	2	3	1	2	3	4		
(D) I	2A	→	→	→	→	→	3A	2A	→	→		
(E) Vdc (avg)	138.2	143.64	25.29	153.57	53.29	13.82	85.63	26.06	16.91	6.51		
(F) DCcal	.500											
(G) Kn x 10^{-3}	1.5	1.5	6.0	1.5	6.0	15.0	1.5	6.0	15.0	30.0		
(H) ρ dc=ExFxGx10^3/D	52	54	38	58	80	52	21	39	63	49		
(I) Vac Σ	132.4	141.6	24.1	149.8	52.2	13.04	84.0	25.2	16.2	6.14		
(J) AC noise x 2												
(K) Vac(corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.	1.000											
(M) ρ dc/ρac=ExL/K												
(N) PFE=(M-1)(10^2)	4.4	1.4	4.9	2.5	2.1	6.0	1.9	3.4	4.4	6.0		
(O) MCF=(M-1)(10^5)/H				43	26	115	90	87	70	122		

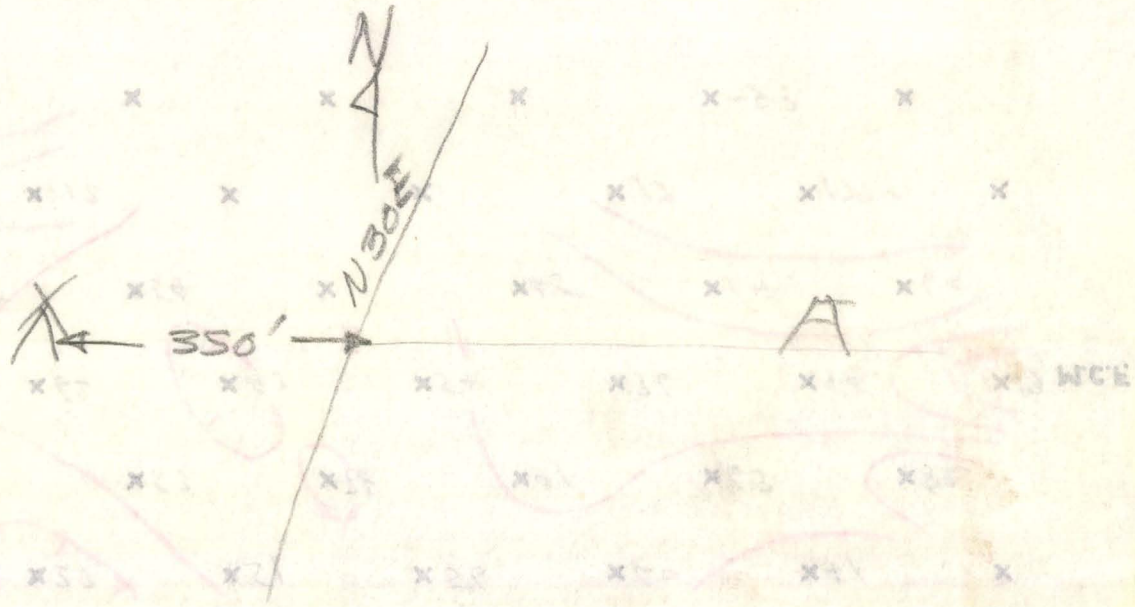
Project_____ Line_____ Field date_____ Data page_____ Comp. date_____ Comp by_____

(A) Send	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		cal		
(B) Receive	20-25	→	→	→	25-30	→	→	→		4-5		
(C) n separation	2	3	4	5	3	4	5	6				
(D) I	3A	2A	→	→	3A	2A	→	→		2A		
(E) Vdc (avg)	29.41	15.44	12.72	5.59	16.88	10.01	8.84	4.06		400		
(F) DCcal												
(G) Kn x 10^{-3}	6.0	15.0	30.0	52.5	15.0	30.0	52.5	84.0				
(H) ρ dc=ExFxGx10^3/D	29	58	95	73	42	75	116	85				
(I) Vac Σ	29.0	14.96	12.28	5.34	16.2	9.56	8.46	3.90		400		
(J) AC noise x 2												
(K) Vac (corr) $=\sqrt{I^2 - J^2}$												
(L) AC-DC cal.												
(M) ρdc/ρac =ExL/K												
(N) PFE=(M-1)(10^2)	1.4	3.2	3.6	4.7	4.2	4.7	4.5	4.1				
(O) MCF=(M-1)(10^5)/H	48	55	38	64	100	63	39	48				

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING N60°W



AREA RBJ - Ripsey LINE 2 a = 500' SCALE: 1" = 500' DATE: May '68


N
N30E
350'
A

HEINRICHS GEOEX B 262-68 LINE 2 SPD 1 LOOKING N53W 5-9-68 A= 500 FEET

fence

	30SW	25	20	15	10	5	0SW/NE	5	10	15	20	25	30NE	SURFACE
					1	2	3	4	5					

RHO/2PI

N														
1	X	X	X	X65	X48	X52 52	X61 60	X47	X55	X	X	X	X	
2	X	X	X	X53	X63	X76	X54 53	X27	X49	X50	X	X	X	
3	X	X	X56	X58	X91	X68	X26	X36	X61	X54	X	X	X	
4	X	X	X	X62	X76	X87	X	X38	X50	X61	X	X	X	
5	X	X	X	X90	X74	X	X	X51	X49	X	X	X	X	
6	X	X	X	X	X91	X	X	X	X48	X	X	X	X	

	30SW	25	20	15	10	5	0SW/NE	5	10	15	20	25	30NE	SURFACE
					1	2	3	4	5					

PFE

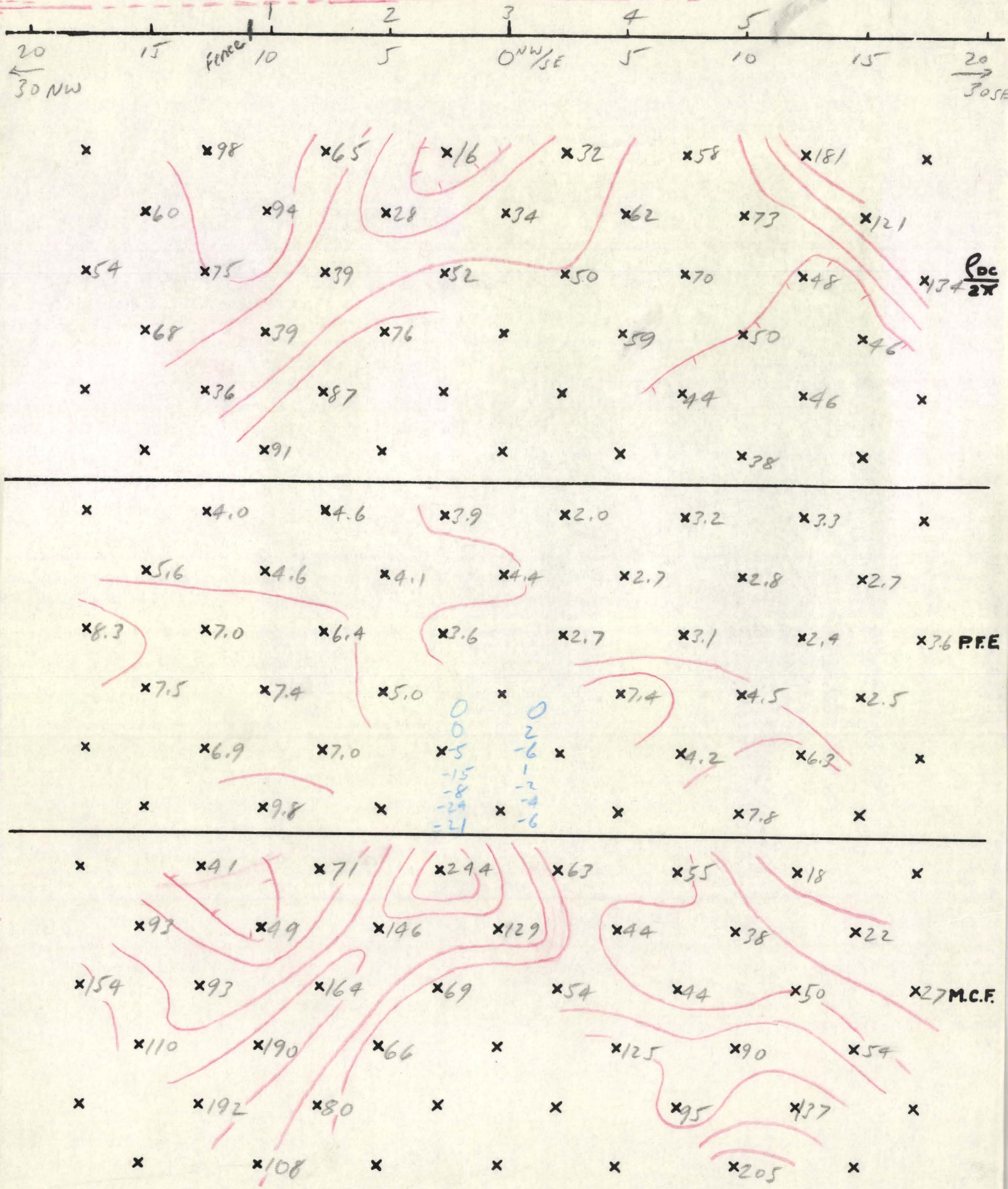
N														
1	X	X	X	X3.2	X2.0	X2.0 2.4 2.2	X3.7 2.9 3.3	X4.0	X4.0	X	X	X	X	
2	X	X	X	X2.8	X3.5	X2.3	X4.7 3.8 4.2	X4.9	X6.8	X2.2	X	X	X	
3	X	X	X2.4	X6.1 6.0	X5.1	X4.9	X6.0	X7.6	X6.6	X4.5	X	X	X	
4	X	X	X	X10.2	X6.3	X6.6	X	X10.6	X8.8	X6.9	X	X	X	
5	X	X	X	X10.1	X8.5	X	X	X4.0	X8.1	X	X	X	X	
6	X	X	X	X	X11.2	X	X	X	X7.7	X	X	X	X	

0	0
-12	-1
-8	12
-4	9
1	14
8	17
12	27

	30SW	25	20	15	10	5	0SW/NE	5	10	15	20	25	30NE	SURFACE
					1	2	3	4	5					
N														MCF
1	X	X	X	X49	X41	X39 47	X60 48	X85	X74	X	X	X	X	
2	X	X	X	X52	X56	X30	X88 73	X182	X140	X45	X	X	X	
3	X	X	X	X43	X1	X56	X72	X229	X213	X109	X84	X	X	X
4	X	X	X	X164	X83	X75	X	X277	X174	X113	X	X	X	
5	X	X	X	X	X112	X116	X	X	X78	X163	X	X	X	X
6	X	X	X	X	X123	X	X	X	X160	X	X	X	X	

53032 5

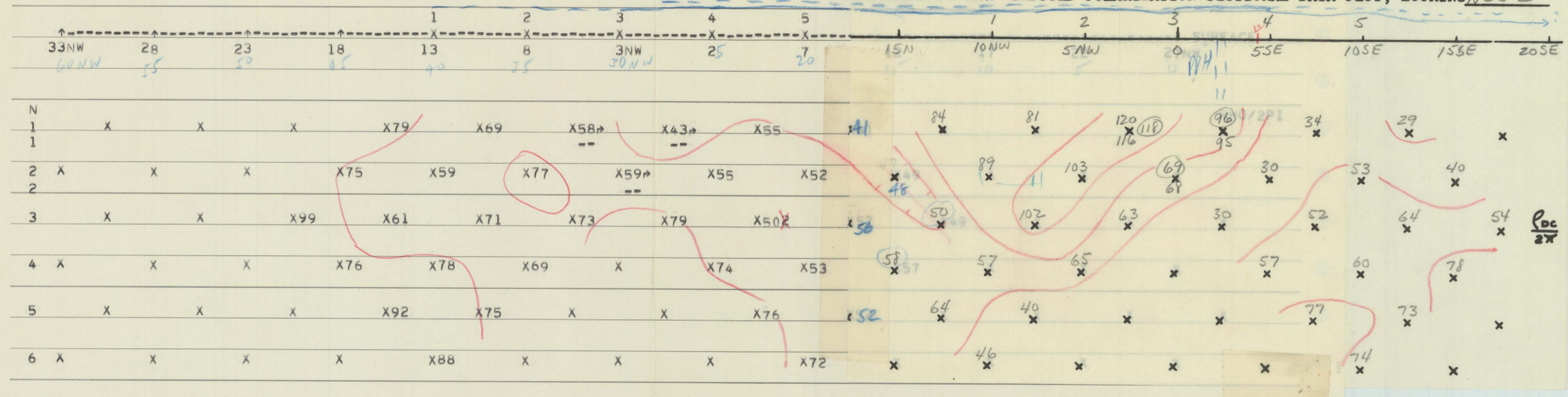
HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING N 35° E

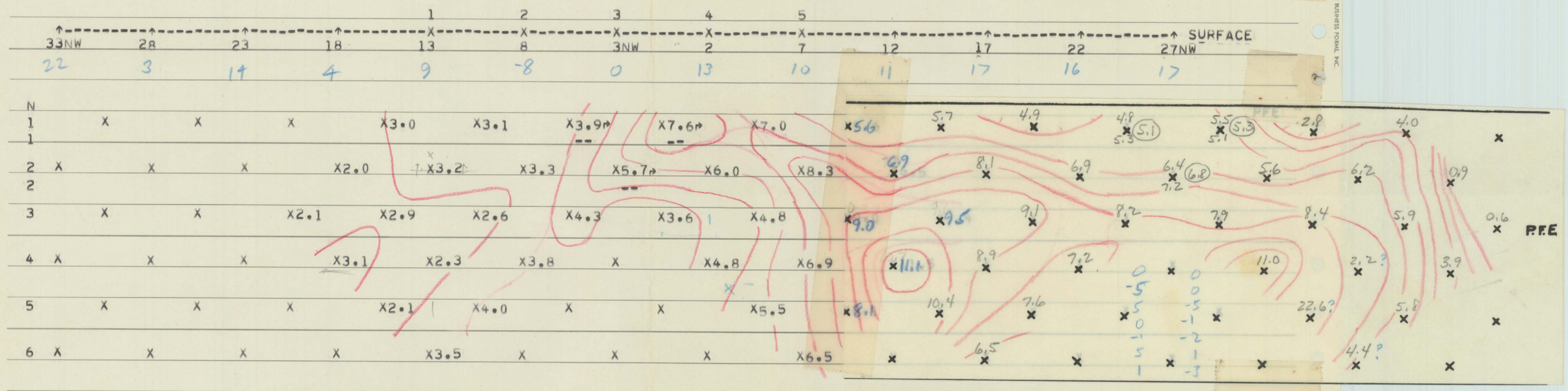


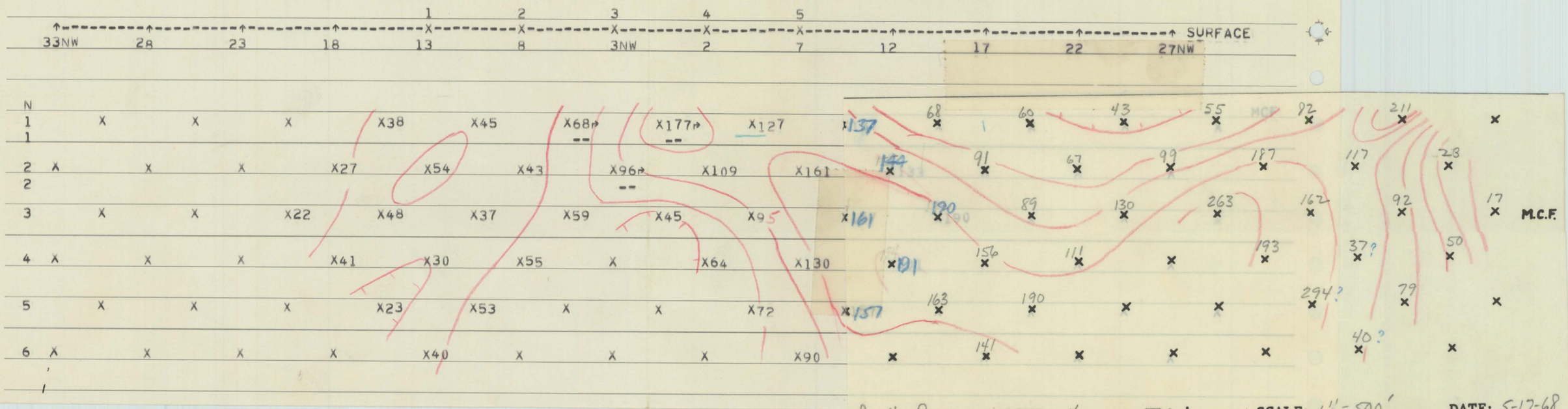
AREA Ripley RBJ LINE 3 a = 500' SCALE: 1" = 500' DATE: May 68

HEINRICHS GEOEX B262-68 LINE 4 SPD 2 LOOKING NE 7-23-68

EINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING N35°E

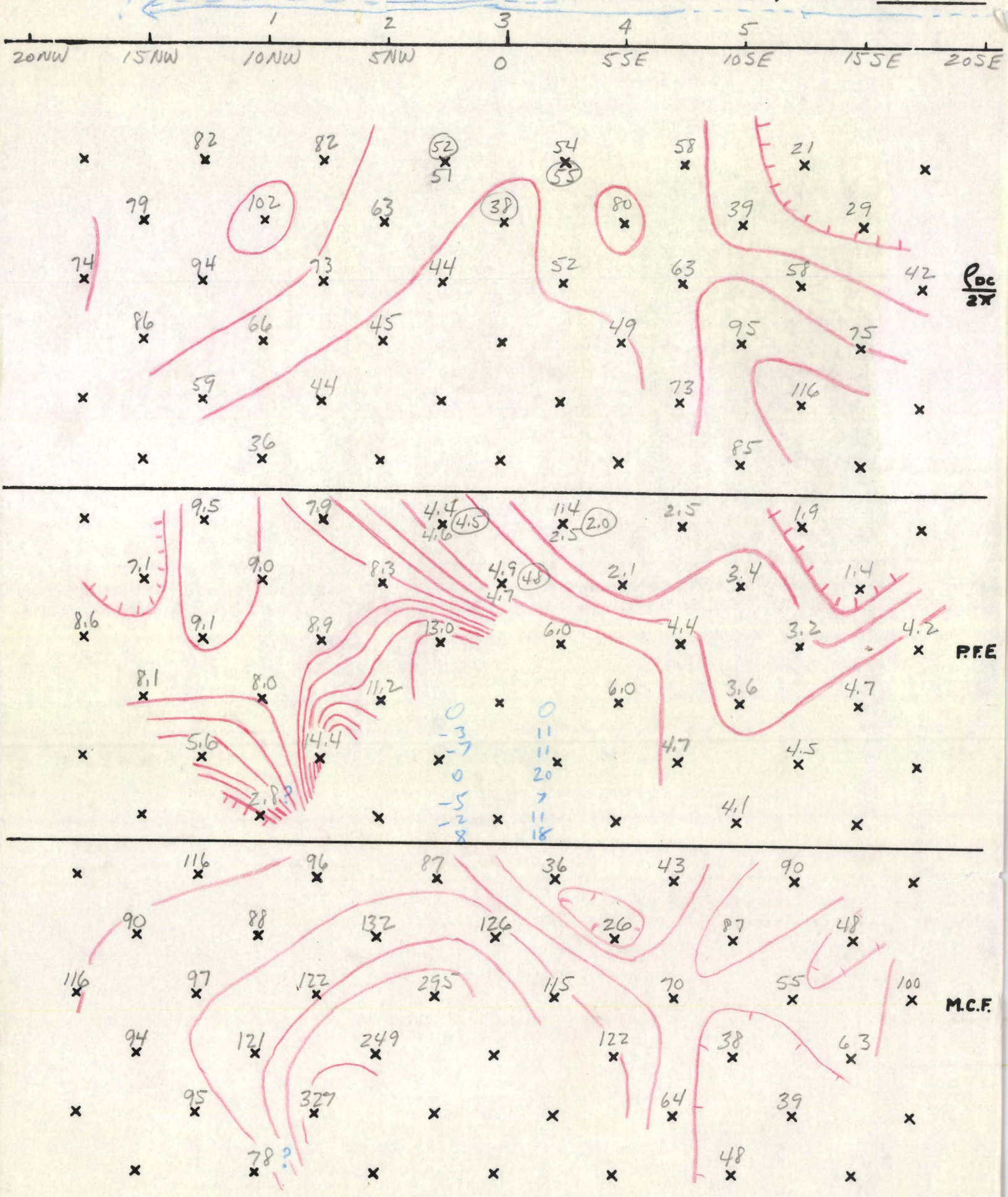






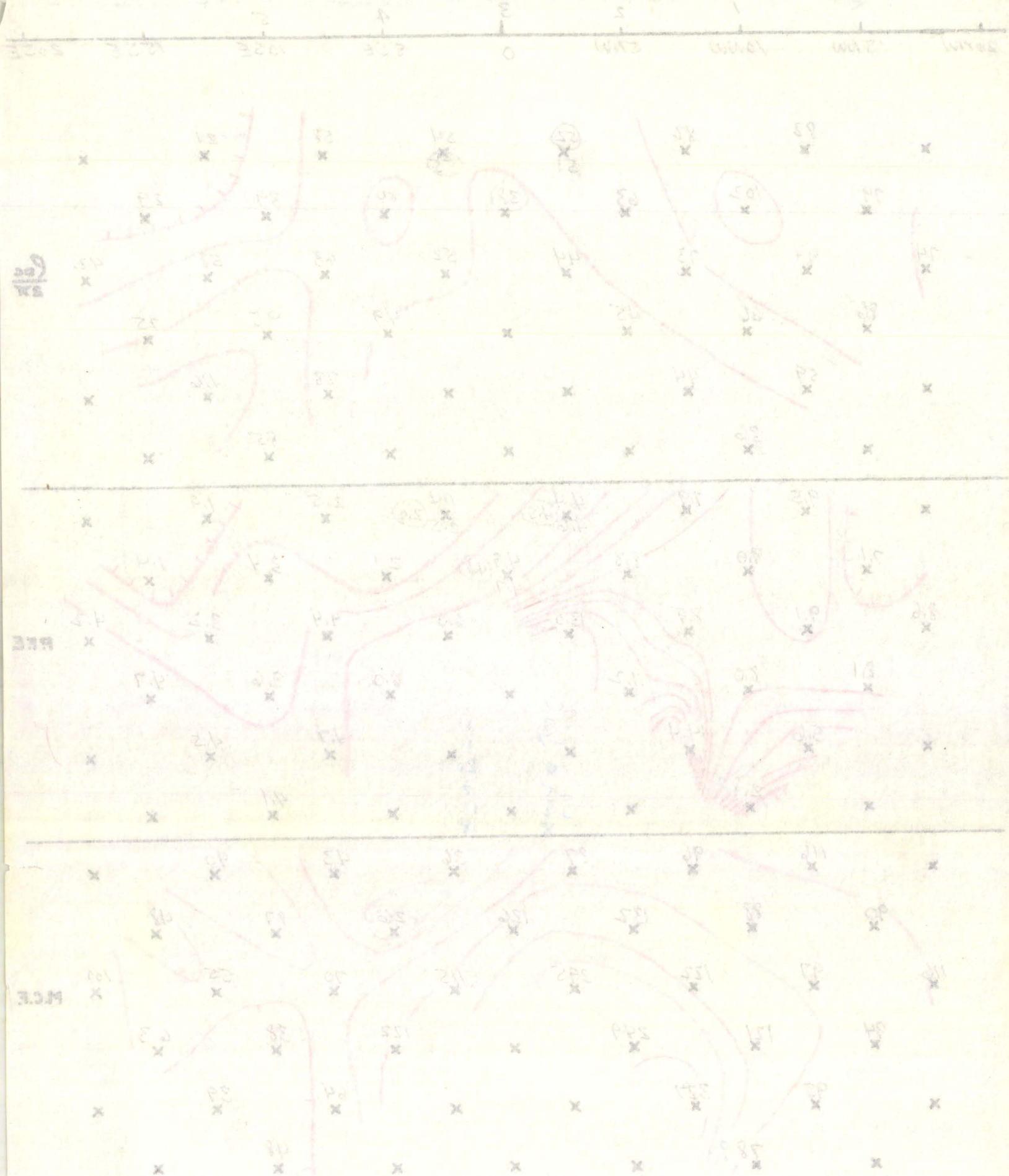
Gadgett-Ripsey LINE 4 a = 500' SCALE: 1" = 500' DATE: 5-17-68

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING N35°E



AREA Badgett-Ripsey LINE 5 a = 500' SCALE: 1" = 500' DATE: 5-17

HEINRICHS GEOEX. INDUCED POLARIZATION SECTIONAL DATA PLOT, LOOKING



AREA _____ LINE _____ a = 200 ' SCALE: _____ DATE: _____

HEINRICHS GEOEX B262-68 LINE 6 SPD 1 LOOKING NW 7-24-68 A= 500 FEET f = 3 hz

1 2 3 4 5

30SW 25 20 15 10 5 0SW/NE 5 10 15 20 25 30NE SURFACE

RHO/2PI

N														
1	X	X	X	X36	X51	X--> 49	X--> 37	X99	X62	X	X	X	X	
2	X	X	X	X51	X42	X59	X--> 45	X71	X100	X51	X	X	X	
3	X	X	X57	X59	X56	X52	X75	X80	X90	X43	X	X	X	
4	X	X	X	X63	X78	X47	X	X84	X78	X72	X	X	X	
5	X	X	X	X82	X63	X	X	X83	X62	X	X	X	X	
6	X	X	X	X	X67	X	X	X	X65	X	X	X	X	

? <-

1 2 3 4 5

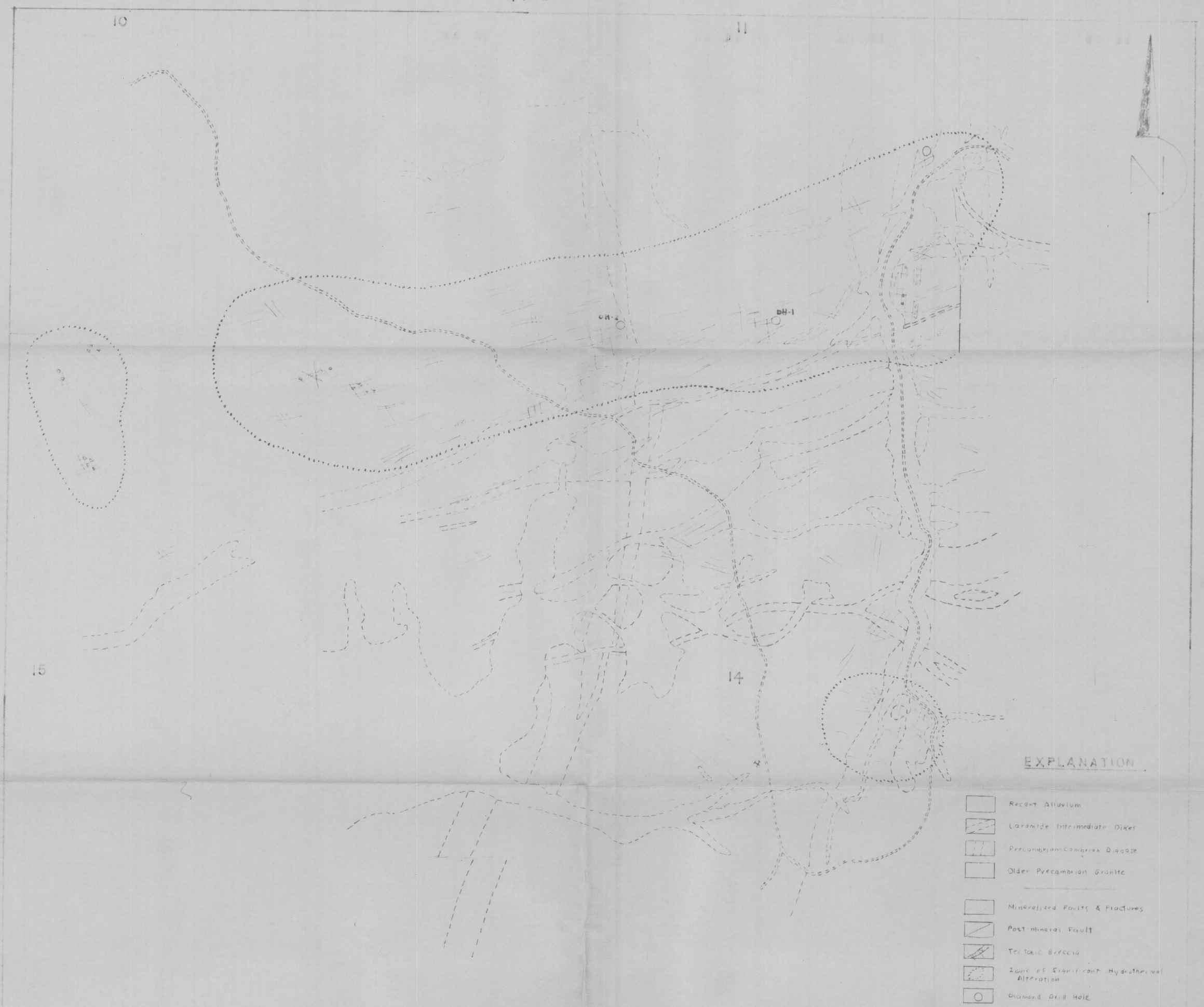
30SW 25 20 15 10 5 0SW/NE 5 10 15 20 25 30NE SURFACE

21 7 11 10 -4 -6 0 -2 3 -3 4 6 18

PFE

N														
1	X	X	X	X3.1	X1.9	X--> 4.9	X--> 4.8	X3.1	X2.1	X	X	X	X	
2	X	X	X	X3.0	X3.5	X5.2	X--> 3.9	X5.8	X3.7	X1.1	X	X	X	
3	X	X	X3.1	X3.9	X6.2	X4.7	X3.9	X5.7	X4.6	X1.0	X	X	X	
4	X	X	X	X3.7	X5.9	X3.7	X	X3.9	X5.3	X4.7	X	X	X	
5	X	X	X	X4.7	X3.0	X	X	X4.2	X4.7	X	X	X	X	
6	X	X	X	X	X4.0	X	X	X	X3.7	X	X	X	X	

	30SW	25	20	15	10	5	0SW/NE	5	10	15	20	25	30NE	SURFACE
					1	2	3	4	5					
N														MCF
1	X	X	X	X88	X38	X→ 100	X→ 129	X31	X33	X	X	X	X	
2	X	X	X	X59	X85	X88	X→ 86	X81	X37	X22	X	X	X	
3	X	X	X55	X65	X111	X90	X51	X71	X51	X24	X	X	X	
4	X	X	X	X59	X76	X78	X	X46	X68	X66	X	X	X	
5	X	X	X	X57	X48	X	X	X51	X75	X	X	X	X	
6	X	X	X	X	X59	X	X	X	X57	X	X	X	X	



EXPLANATION

- Recent Alluvium
- Laramide Intermediate Dikes
- Precambrian-Cambrian Diabase
- Older Precambrian Granite
- Mineralized Faults & Fractures
- Post-mineral Fault
- Tectonic Breccia
- Zone of Significant Hydrothermal Alteration
- Diamond Drill Hole

WEST RIPSEY GROUP
Ripsey Mining Dist. Pinal Co.
ARIZONA
Frank F. Salas. Oracle, Ariz.
Mapped by
RAY STAUFFER for AMAX

P. O. BOX 1889
30 S. MAIN ST.

Jacobs Assay Office

Registered Assayers

PHONE MA 2-0813

REGISTERED ASSAYER
CERTIFICATE EXPIRES
BENJAMIN P. JACOBS
TUCSON ARIZONA
ARIZONA U. S. A.

Certificate No. 58410

TUCSON, ARIZONA, Aug 28th 1968

Sample Submitted by Mr. Heinrich GeoExploration

SAMPLE MARKED	X	TOTAL COPPER %	X	SAMPLE MARKED	X	TOTAL COPPER %	X
# 1363		0.04		# 1380		0.05	
64		0.03		81		0.04	
65		0.05		82		0.02	
66		0.04		83		0.03	
67		0.05		84		0.03	
68		0.06		85		0.05	
69		0.05		86		0.04	
70		0.07		87		0.02	
71		0.06		88		0.02	
72		0.06		89		0.03	
73		0.03		90		0.04	
74		0.02		91		0.02	
75		0.03		92		0.02	
76		Trace		93		0.03	
77		0.04		94		0.05	
78		0.05		95		0.02	
79		0.04		96		0.03	

GEOEX
AUG 29 1963

BOX 5571 TUCSON, ARIZONA 85703
Phone: (AREA CODE) 623-0578

Very respectfully,

Charges $ 68.00

Bad Rip #2011

Ben P. Jacobs

Dot

P. O. BOX 1389
30 S. MAIN ST.

Jacobs Assay Office

Registered Assayers

PHONE MA 2-0813

Certificate No. 58414

TUCSON, ARIZONA, Sept 7th 1968

Sample Submitted by Mr. Heinrichs Geoexploration P.O. 000644

SAMPLE MARKED	OZS-PER TON ORE Au	Ag	% Cu	SAMPLE MARKED	OZS-PER TON ORE Au	Ag	% Cu
#1253	Trace	0.20	0.02	#1265	Trace	0.15	0.04
54	Trace	0.10	0.04	66	0.005	0.15	0.03
55	Trace	0.10	0.02	67	Trace	0.20	0.05
56	0.005	0.15	0.03	68	0.005	0.20	0.04
57	Trace	0.05	0.03	69	0.005	0.20	0.03
58	Trace	0.05	0.04	70	Trace	0.10	0.04
59	0.005	0.10	0.03	71	Trace	0.10	0.04
60	Trace	0.10	0.02	72	Trace	0.05	0.03
61	0.005	0.15	0.11				
62	0.005	0.15	0.09	#136 Special	0.04	695.1	2.02
63	Trace	0.05	0.05				
64	Trace	0.20	0.05	Pb = 0.6%			
#1397	Trace	0.15	0.02	Zn = 1.1%			
98	0.005	0.10	0.02	Mo Trace			
99	Trace	0.05	0.03				
1400	Trace	0.05					

Bal Ript 2 DH.

Charges $ 119.25

Respectfully,

Ben S. Jacobs

REGISTERED ASSAYER
CERTIFICATE EXPIRES
1041
BENJAMIN P. JACOBS
Dec. 31, 19 68
Arizona U. S. A.

SEP 1968
GEOEX

SEP 1968

BOX 5671

Phone (AREA 602)

30 So. Main St.
P. O. Box 1889

Jacobs Assay Office

Registered Assayers

PHONE Main 2-0813

Certificate No. 58420 85702 Tucson, Arizona, Sept 22nd 1968

Sample Submitted by Mr. Hennichs Geoexploration 000644

SAMPLE MARKED	GOLD Ozs. per ton ore	GOLD Value per ton ore *	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	Per cent Wet Assay	Per cent Wet Assay
		$					
# 137	Trace		0.05	0.03			
138	Trace		0.10	0.04			
139	Trace		0.15	0.04			
140	Trace		0.15	0.03			
141	0.005	0.17	0.10	0.03			
142	0.005	0.17	0.15	0.05			
143	Trace		0.15	0.04			
144	Trace		0.10	0.04			
145	0.005	0.17	0.15	0.06			
146	Trace		0.20	0.03			
147	Trace		0.15	0.04			
148	Trace		0.15	0.04			
149	Trace		0.05	0.03			
150	Trace		0.10	0.03			
# 152	Trace		0.05	0.04			
153	0.005	0.17	0.15	0.04			
154	Trace		0.10	0.02			
155	Trace		0.05	0.03			
156	Trace		0.05	0.04			
157	0.005	0.17	0.15	0.04			
158	Trace		0.10	0.03			
159	Trace		0.10	0.02			
160	Trace		0.05	0.02			
161	Trace		0.05	0.03			
162	0.005	0.17	0.10	0.03			
163	Trace		0.05	0.03			
164	Trace		0.05	0.02			
165	Trace		0.05	0.04			
166	0.005	0.17	0.10	0.03			
167	Trace		0.05	0.02			
168	Trace		0.15	0.04			
169	Trace		0.10	0.03			
170	Trace		0.05	0.02			
171	Trace		0.05	0.02			
172	0.005	0.17	0.10	0.04			
173	Trace		0.10	0.03			
174	Trace		0.05	0.02			
175	Trace		0.05	0.02			
176	Trace		0.05	0.03			
177	Trace		0.10	0.04			
178	0.005	0.17	0.10	0.02			
179	Trace		0.05	0.03			
180	Trace		0.10	0.03			
181	Trace		0.10	0.04			
182	Trace		0.05	0.04			
183	Trace		0.10	0.02			
184	0.005	0.17	0.05	0.03			
185	Trace		0.05	0.03			
186	Trace		0.05	0.02			
187	Trace		0.10	0.03			

HENNICHS GEOEX
GEOLOGICAL EXPLORATION
TUCSON, ARIZONA

SEP 23 1968

BOX 5671 TUCSON, ARIZONA 85703
Phone: (AREA 602) 623-0578

REGISTERED ASSAYER
CERTIFICATE EXPIRES
1041
BENJAMIN P. JACOBS
DEC. 31, 19 68
Arizona U. S. A.

* Gold Figured $35.00 per oz. Troy

Charges $ 200.00

Very respectfully,

Ben P. Jacobs

30 So. Main St.
P. O. Box 1889

Jacobs Assay Office

Registered Assayers

PHONE Main 2-0813

Certificate No. 58421 85702 Tucson, Arizona, Sept 22nd 1968

Sample Submitted by Mr. Heinrichs Geoexploration 000644

SAMPLE MARKED	GOLD Ozs. per ton ore	GOLD Value per ton ore *	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD ~~Per cent~~ Wet Assay	~~Per cent~~ Wet Assay	~~Per cent~~ Wet Assay
		$					
# 188 ✓	Trace		0.05	0.02			
189 ✓	0.005	0.17	0.05	0.02			
190 ✓	Trace		0.10	0.03			
191 ✓	Trace		0.10	0.02			
192 ✓	Trace		0.05	0.02			
193 ✓	Trace		0.10	0.04			
194 ✓	0.005	0.17	0.10	0.03			
195 ✓	Trace		0.05	0.02			
196 ✓	Trace		0.05	0.02			
197 ✓	Trace		0.05	0.03			
198 ✓	Trace		0.15	Trace			
199 ✓	Trace		0.10	0.02			
200 ✓	Trace		0.10	Trace			
# 553 ✓	0.005	0.17	0.15	0.02			
554 ✓	Trace		0.10	Trace			
555 ✓	Trace		0.15	Trace			
556 ✓	0.005	0.17	0.15	0.02			
557 ✓	Trace		0.10	0.03			
# 1273	Trace		0.05	0.03			
74	Trace		0.05	Trace			
75	0.005	0.17	0.10	0.02			
76	Trace		0.10	Trace			
77	Trace		0.15	0.03			
78	Trace		0.15	0.02			
79	Trace		0.10	0.02			
80	Trace		0.05	Trace			
81	0.005	0.17	0.15	Trace			
82	Trace		0.15	0.02			
83	Trace		0.10	0.02			
84	Trace		0.10	Trace			
85	Trace		0.15	0.02			
86	Trace		0.15	0.03			
87	0.005	0.17	0.10	Trace			
88	Trace		0.05	Trace			
89	Trace		0.05	0.02			
90	Trace		0.10	0.02			
91	Trace		0.05	0.03			
92	Trace		0.15	0.03			
93	Trace		0.05	0.02			

GEOEX
GEOLOGICAL ENGINEERS
TUCSON, ARIZONA

SEP 23 1968

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REGISTERED ASSAYER
CERTIFICATE EXPIRES
1041
BENJAMIN P.
JACOBS
Dec. 31, 19 68
Arizona U. S. A.

* Gold Figured $35.00 per oz. Troy

Charges $ 156.00

Very respectfully,

Ben P. Jacobs