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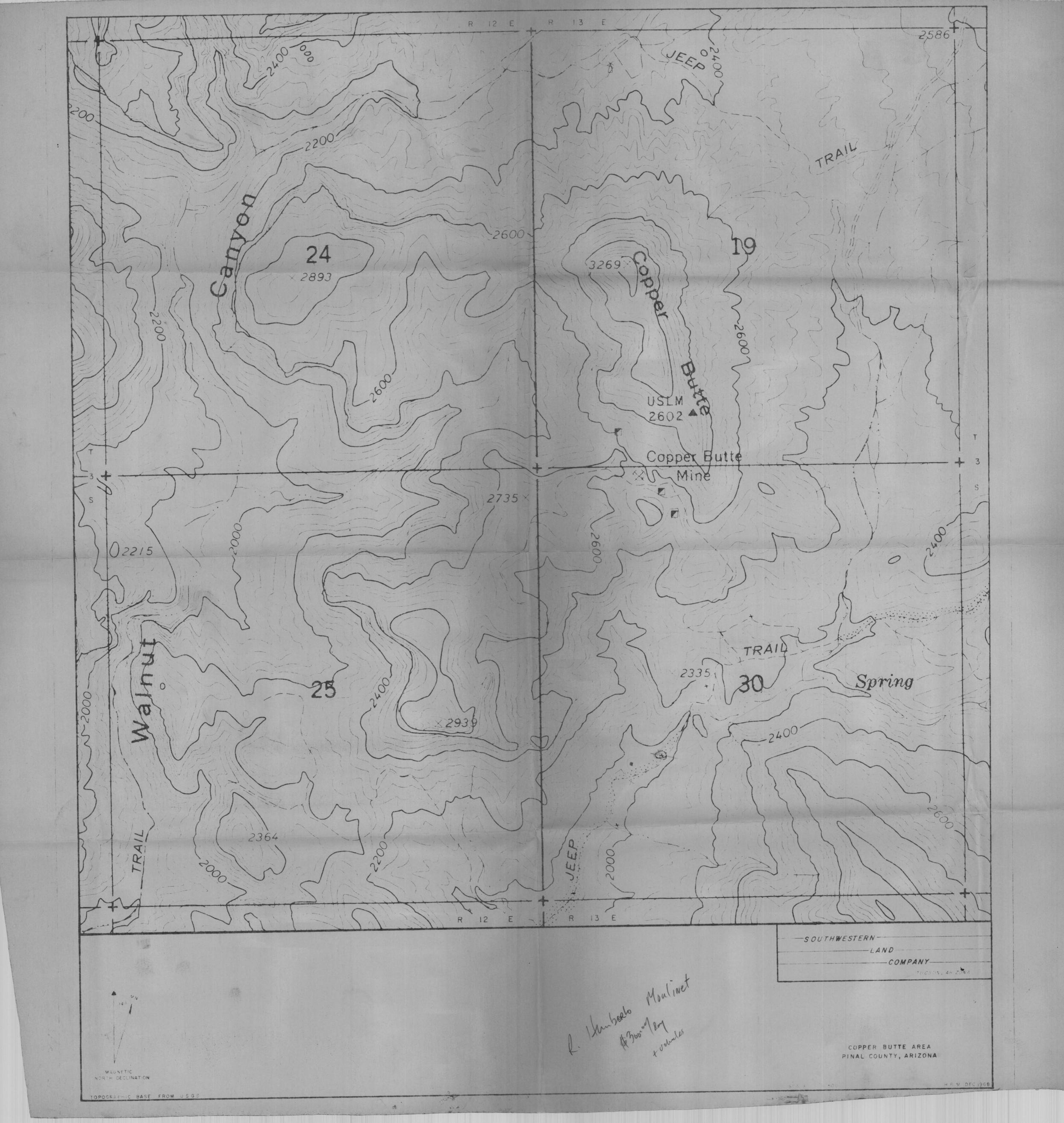
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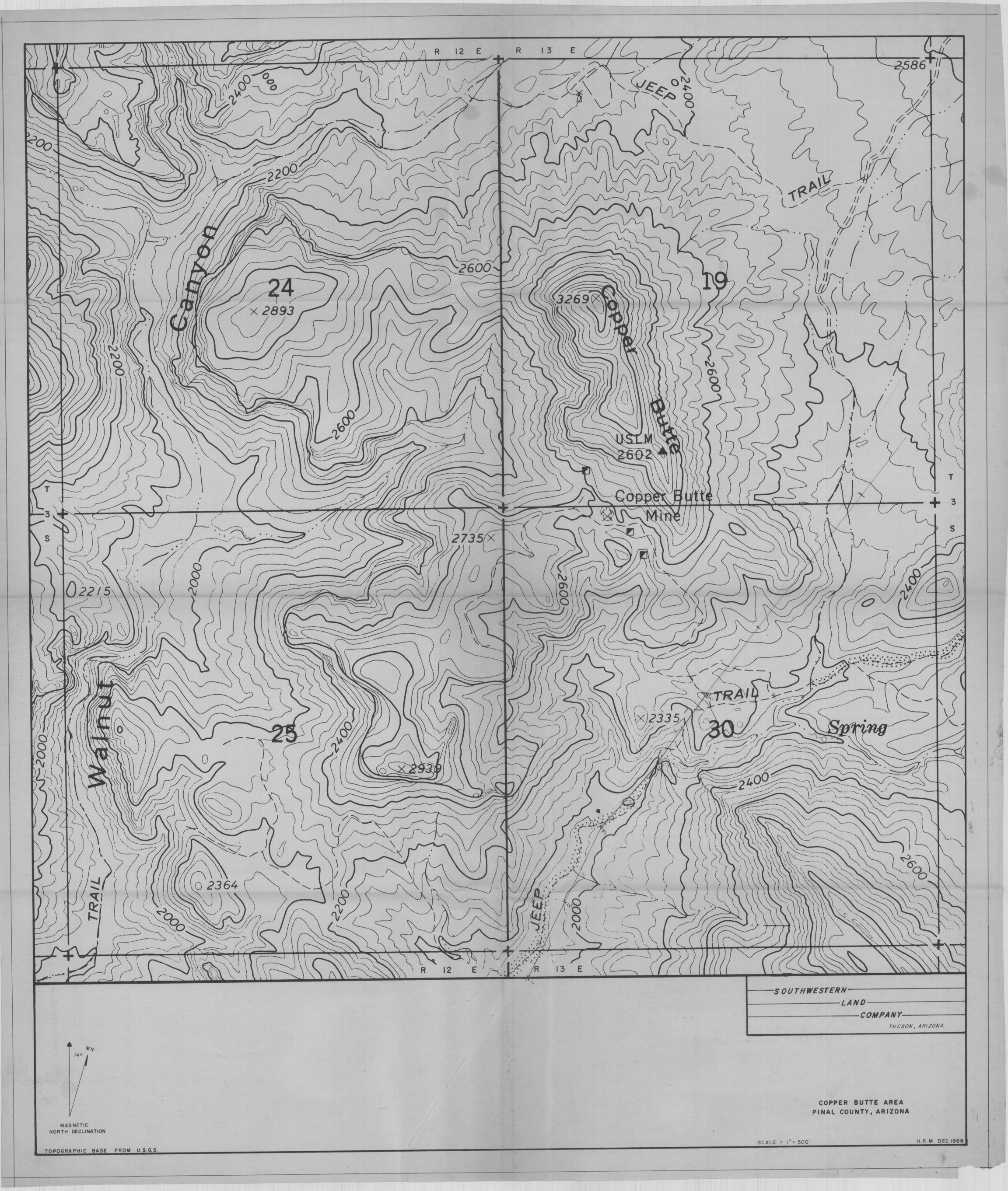
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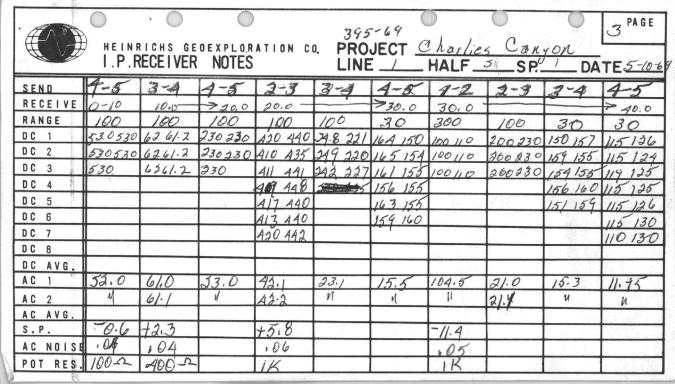
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24	X X	X	X	X4.6	X3+1	x3.5	×4.1 ×	4 • 7 ×	×	X	Χ.	3.3 X - 2 3.7 2 4.9	4.4 X 649	2.6 X=69	×	×	X	X	×	X 9 9 10 10 10 10 10 10 10 10
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605 N N S X X X X X X X X X X X X	X X	X X	X X X X X X X X X X X X X X X X X X X	X59	х39	X66		X= 9 70 X6	18→ 4 X=19 58	X-47∂ 197	-9		X8 X27	X=3	X X	×	50 X	X	X	06 MCF X 95 45 45 45 45 45 45 45 45 45 45 45 45 45
9 4 X 10 5 11 5 6 X 13 14	X X	X	×	X46 X	X24	x57	X! X59 X	X	X	X X	-36 X4	X10	×11	X=8	X	×	X	X	×	26 X 23 X 24 X 25 X 25 X 26 X 26 X 26 X 26 X 26 X 26
2 X	×	×	X	хз.3		X2.8	X3.0 X2	2 × 1 2	.6 .6 .8	1,9 X******* 3.3 7	×-	X7	X • 4	X=.6	×	*	50		60NW	JRFACE
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28																				\$ E
1	SW 50		X	↑ 30	2 X37		2 X- 10 X113	82		X-82> 164	X=	in this time make days have made take a pair away game of	X6	-^30	40	X	50	x	SL 60NW	RFACE 18 CCMCF X
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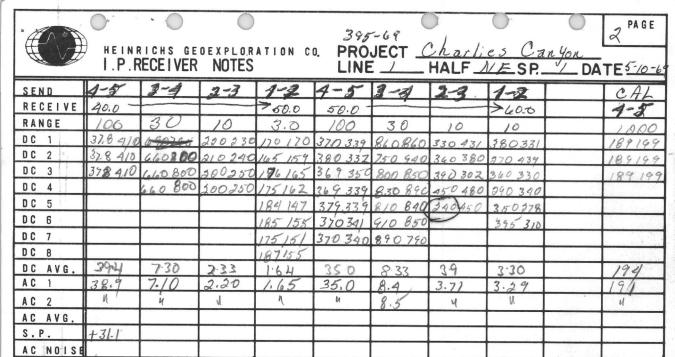
JOB 395	-69	LINE/	_SPREAD/
LOOKING_	NW	DATE 5-14-69	A= 1000 /
CENTER	0.0	LABEL SW-NE	FREQ. 3.0 - 0.1
COUPLING	yes	- 14 ma	769 Je



· # 1	0				395	7-69				PAGE
	I.P.R	ECEIVER	OEXPLOR NOTES	ATION C	PRO-			W SP.		TE 5-13-69
SEND	1-3	2-3	3-4	4-5	1=2	2-3	3-3	4-4		CAL
RECEIVE	10.0			>50.0	50.0			60.0		1-2
RANGE	100	30	10	10	700	30	10	10		1000
DC 1	26.2268	660810	6.161	555565	250260	840 750	720703	660660		190201
DC 2	262268	6708 DO	61 590	530500	250260	890 750	720715	690.668		190201
DC 3	262268	460810	625589	550533	250260	890750	715722	660665		190201
DC 4			639581	531502		890	7/97/6	660651		
DC 5		460	620602	593520		1640	729713	663650		
DC 6		1470	630589	53/489		4		679150		
DC 7			/	570509				673 660	17/2/2006	
DC 8			1	548489				670 660		
DC AVG.		7.35			255	8.2				Park Comment
AC 1	26.1	7,45	6.00	5.15	25.0	8.0	7.09	6.50		200
AC 2	26.0	Ц	И	И	Ч	N	V	u		199
AC AVG.	-20									
	70.9				-0.2		1			
AC NOISE	,04				.10					
POT RES.	10/22			100	200-12					

) HEINE	RICHS GE	OEXBLOB	ATION CO		569 DJECT_	Marle	O Ca	0	PAGE 2
			DER N		LIN		HALF	W SP.	7_ DA	TEMAN 13
SEND	4-5	3-31	4-5	243	3=4	445	452	243	3-34	4-5
RECEIVE	0-10	6/0-01	Notice of the last	20 30	#UR-manumous Databash Microsoft	SHIP CONTRACTOR SHIP CONTRACTOR	3040	CHOSEN MADERAL MATERIAL MATERI	Manual Communication of	or manufactures of the same of
RANGE	,									
VOLTAGE										801
CURRENT	8.0	6.0	8.0	5.0	6.0	8.0	5.0	500	6,0	10
SEND	142	243	3-4	425	1-12	2-13	3-4	425		Cal
RECEIVE	10 -			750	50 -			>60.0		1-2
RANGE										
VOLTAGE	8-429	200	7 40	800	JAN .	200	523	8773		
CURRENT	6.0	5.0	6.0	810	5.5	5.0	600	8.0		2,0
FREQUEN	CIES O. I	3.0)	COMME	NTS:					
SENDER										
OPERATO		B								
RECEIVE										
OPERATO	R									

	HEINR I.P.R	RICHS GE RECEIVER		ATION CO		JECT	Charlie HALF N	es Car ESP.	nyon L DA	/ PAGE / TE <u>5-10-6</u>
SEND	1-2	2-3	1-2	3-8	2-3	4-2	4-5	3-4	2-3	1-2
RECEIVE	0-10.0	10.0.	>20.0	20.0		> 30.0	30.0 -	-		70.0
RANGE	100	100	30	100	10	3	300	30	10	.3
DC 1	92 40		9.5/3.5	35 30.2	3,9 3.45	2.051.78	190 146	17.0155	27/3/0	1901.80
DC 2	12 40	3232	9.5 13.6	3530.2	3.72 3.39	2.11 1.85	140146	172154	27/3/0	2.00 190
DC 3	4240			3530.2	4.01 3.3	2.23/55	140 146	17.0156	279310	192 185
DC 4			4.5		4.10 3 28	2.221.86		174 152	265338	198182
DC 5	DC-	.05	>	DC -	4.05 3.13	2.24/61		172154	270328	204 179
DC 6					4.1932	3.15-1.71		175 150	250341	205 175
DC 7					4.103.25	2441.63	7 2 7 7 2	175 150	269327	209174
DC 8	41	75	11.5	32.6	\$3.65	1.96	144	16.8	3.08	1.85
DC AVG.	41.0	32	11.5	33.0	3.59	1.94	140	16.0	2.98	1.90
AC 1	/	31.8	11.4	ul	3.60	W	140	11	2.98	И
- T	40.5	Ч	il		/	1				
AC AVG.				<u>'</u>	LX					
	+0.6	-4.9		+13.6	1/0		-2.8			1
AC NOISE		. 67		101			,02			
POT RES.	150-2	400-2		\$500		1	3501			



POT RES.

		-								
· And				4 4	-5 39	5-69				PAGE
	HEINE	NCHS GEO	NEYDI OB/	ATION CO.		JECT_	Char	lipe	Carro	1
			DER NO			EZ	HALF_	E SP.	DA	TE5-10
SEND	4-2	2-3	4-2	3-3	3-3	4-2	4-5	3-4	2-4	4-2
RECEIVE										
RANGE	700	700	760	320	366	340	240	350	360	350
VOLTAGE	360	366	395	600	200	700	700	700	700	700
CURRENT	4A	SA	MA	HA	SA	4A	6A	SA	510	4A
SEND	4-5	3-4	2-3	4-2	4-5	3-4	2-9	4-2	Cal	
RECEIVE		•							4-5	
RANGE	700	700	700	700	706	700	706	700	200	
VOLTAGE	340	346	350	350	330	350	350	340	40	
CURRENT	LA	SA	SA	AH	6A	SA	5A	HA	24	
FREQUEN	CIES 310	105	1.15	COMMEN	ITS:					
SENDER	NO. Co	pfin				4		M		
OPERATO	R "The	Under	taker							No.
RECEIVE										
OPERATO	R'Fidel	" Critic	hler	av f			后		- Maria	and the same of

HEINRICHS GEOEX (MAR	(69) JOB 395-69	LINE 1 SPREAD 1 LO	OOKING NW 5/14/69	A=1000 FEET, FREQUENCIES .10 AND 3.0
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1 2 3 **********************************	4 5 6 7 860 469 314 210 850 470 315 845 469 319 846 462 315 852 469 316 857 311 865 318 857 318 853 314 853 319 860 860	8 9 10 PT. 430 307 241 DC 316 241 SUMS 314 239 309 243 309 244 311 240 316 240 311 240 310 241 241 245 240 240		14 15 16 17 18 1060 510 1640 1423 1320 391 1035 1423 1300 1030 1435 1308 1050 1430 1328 1083 1437 1325 1064 1441 1325 1033 1429 1311 1045 1439 1314 1063 1442 1313 1051 1329 1059 1323 1079 1333 1057 1037 1330
q control of the cont	.6 .35 0.0 5 .51 -1.1 .3 1.1 -1.0 -1.21 3 .3 .2 5 -1.4 1.2 .8 .3 -1.4 1.2 .8 .3 -2 55 2 1.1 .6 .9	0.0 -1.41 DC 1.51 DEVS .898 .88 1.2151551 1.655	*** 0.0 0.0 .2 0.0 0.0 -7 .2 0.0 0.0 -1.4 72 0.03 0.0 .9 0.0 .2 -1.3 .4 1.2 .1	.8 0.0 0.071 0.0
52.00 61.00 23.00 4 52.00 61.10 23.00 4 52.00 61.05 23.00 4 20.33 31.51 35.29 2	1 2 3 1 2.73 23.39 15.77 105.0 2.10 23.10 15.50 104.5 2.20 23.10 15.50 104.5 2.15 23.10 15.50 104.5 6.23 47.86 60.51 64.45 3.5 3.3 3.8 2.5 132 70 63 39 .5 .7 1.2 .1 3.0 2.6 2.6 2.4 113 54 43 37	21.00 15.30 11.75 AC1 21.40 15.30 11.75 AC2 21.20 15.30 11.75 ACA 52.79 79.65 92.51 RH0 3.5 3.9 4.7 PFE 66 48 51 MCF .7 .9 1.3 CPFE 2.8 3.0 3.4 CCPFE	26.10 7.450 6.000 26.00 7.450 6.000 26.05 7.450 6.000 65.06 45.12 62.27	5 3 4 5 6 5.255 25.50 8.200 7.166 6.606 195.5 5.150 25.00 8.000 7.090 6.500 200.0 5.150 25.00 8.000 7.090 6.500 199.0 5.150 25.00 8.000 7.090 6.500 199.5 70.56 156.5 100.7 128.3 141.9 1.023 DC CAL 4.1 4.1 4.6 3.1 3.7 1.020 AC CAL 59 26 46 24 26 3.0 .3 1.2 1.4 1.8 1.2 3.7 3.4 1.8 1.9 16 24 34 14 13
4.000 5.000 4.000 4 11	350 390 205 140 302 345 178 146 372 211 339 185 401 223 330 155 410 222 328 186 405 224 313 161 419 215 320 171 410 244 325 163	170 271 190 DC	378 660 220 410 800 230 210 240 250	4.000 6.000 5.000 5.000 4.000 2.000 170 370 890 330 380 190 RIGHT 170 339 860 431 331 201 SIDE 165 380 750 360 270 159 332 940 380 439 176 369 800 390 360 165 350 850 302 330 175 369 830 450 290 162 339 890 480 340 184 379 810 240 350 147 339 840 450 278 185 370 910 395 155 341 850 310 175 370 890 151 340 790 187
1 2 3 20 #	4 5 6 7 652 735 383 286 717 389 711 396 740 408 731 378 740 377 738 408 733 410 718 385 732 376 739 386 730 415 735 407	8 9 10 PT. 325 581 370 DC 327 581 380 SUMS 326 581 390 324 589 382 325 589 377 329 575 384 326 603 381 324 608 386 326 598 383 329 578 384 325 591 380 325 610 384 325 596 383	788 1460 450 440 450 450	14 15 16 17 18 340 709 1750 761 711 391 335 719 1610 791 601 324 712 1690 740 709 335 701 1740 770 799 341 719 1650 692 690 340 719 1680 752 620 337 708 1720 930 630 346 718 1700 720 690 331 718 1650 690 628 332 709 1750 673 340 711 1760 705 330 711 1740 326 710 1680
30	0.0 .6 -2.7 0.0 -1.9 -1.2 -2.7 .6 1.3 3.6 .0 -4.0 1.3 -4.2 1.0 3.6 .3 4.1 -1.7 -2.2 .2 -4.5 1.1 -2.0 -1 5.4 .6 3.4	.4 -1.75 DEVS .0 -1.7 2.163 .033 -1.3 1.0 -2.7 .6 .0 2.126 2.9 1.1 .0 1.2 .3 1.0 -2.2 .63 .053 3.3 .63 .9 .3	0.0 0.0 .9 -1.3 .9 -1.3	1.35 2.8 .0 4.9 0.0 2 .9 -5.4 4.0 -11.3 -3.517 -2.7 4.6 2 -1.6 2.3 1.2 17.9 1.5 .9 -3.0 -9.0 1.8 1.3 .9 -1.3 -1.1 -8.5 .46 1.1 22.3 -7.1 3.0 .81 -5.3 1.8 -1.4 .8 -3.0 -9.3 -7.3 -1.15 2.87 1.32 3.4 4.0 -1.72 2.3 -2.94 -1.3
40.70 31.80 11.40 40.50 31.80 11.40 40.60 31.80 11.40 31.46 19.64 35.29 3.1 2.7 2.9 40.60 31.80 11.40 40.60 31.80 11.40 40.60 31.80 11.40 40.60 31.80 11.40	32.00 3.600 1.940 140. 25.01 8.97 15.10 73.1 4.0 3.6 3.5 4. 158 397 235 5 .5 6.3 7.1 3.4 -2.8 -3.6 4.	0 16.00 2.980 1.900 AC1 0 16.00 2.980 1.900 AC2 0 16.00 2.980 1.900 ACA 5 40.00 18.13 29.30 RHO 2 3.9 1.2 2.5 PFE 8 98 63 87 MCF 1 .9 5.7 5.6 CPFE	38.90 7.100 2.200 38.90 7.100 2.200 * 38.90 7.100 2.200 * 80.61 44.81 27.38 * 3.4 4.9 3.4 * 42 110 126 * .4 1.8 6.1 E 3.0 3.1 -2.6	1.650 35.00 8.450 3.710 3.290 199.5 45.09 182.3 104.4 81.71 145.6 1.023 DC CAL 3.8 3.9 2.7 4.6 5.1 1.020 AC CAL 85 21 26 56 35 5.2 .3 1.1 2.5 1.8 -1.4 3.6 1.6 2.1 3.4



HEINRICHS GEOEXPLORATION COMPANY

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

9 May 1969

R. Humberto Moulinet 256 N. Tucson Terrace Tucson, Arizona

> Re: Proposed I.P. Survey Near Ray, Arizona

Gentlemen:

Confirming our communications by telephone on 8 May 1969, we propose for our mutual understanding the following agreement:

Beginning on or about the 9th of May, 1969, GEOEX will furnish appropriate Induced Polarization equipment, two (2) vehicles, personnel consisting of a party chief and two (2) technicians, and field supplies to perform an I.P. survey within the state of Arizona near Ray.

It has been proposed that initially, one (1) two mile line of data be obtained in rough terrain. It is suggested that 1000 foot dipoles be used with a dipole-dipole electrode array. A rough estimate of production follows:

(a) Very rough to rough terrain, one half to one mile per day.

(b) Rough to average terrain, one to one and one half miles per day.

Charges shall be \$300.00 per working day. A ten (10) hour day including travel from Tucson to field site and return and five (5) day working week shall be observed. Poor weather standby time shall be charged at one half the daily rate. Client authorized overtime (hours in excess of 10 hours per day) and/or 50 hours per week shall be charged at one and one half times the daily rate.

All job oriented expenses such as field supplies, communications, rented vehicles, etc. shall be charged at invoice cost plus 10%.

A charge of \$15.00 per claender day and \$.15/mile shall be charged for each field vehicle.

\$150.00/day shall be charged for data compilation, interpretation and report.

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

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

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

Billings may be submitted periodically until the last billing which will be submitted upon completion of the final report. Payments are due upon presentation.

Please indicate your approval of this agreement and execute it by signing below. One copy to be retained for your records and the other signed copy returned to ${\sf GEOEX}$.

E. Grover Heinrichs	.//	
Vice President		>

EGH/plg cc: Enclosure
ACCEPTED: Receded audino
BY:
DATE:

Note: It is understood that the current specifications of the job call for a rough field plot of the data with an interpretation of the anomalism or results on the plot. At the moment no formal presentation is

20 May 1969

Mr. H.R. Moulinet 256 N. Tucson Terrace Tucson, Arizona Re: Copper Butte ARea
Pinal County, Ariz.
Our Job #395-69

Dear Bert:

Enclosed is our revised statement and computer work sheet on line one, Spread one was hand delivered to you yesterday.

The resistivity contrasts seem to indicate an interface at about 4500 feet NE from point 0 and another interface at 4500 from point 0 in a SW direction. Point 0 is the center of the line.

The coupling corrected P.F.E. (CCPFE) indicated little over background and therefore no suitable drill target is apparent from the work done.

Future work in the area may not be justified based on the I.P. survey of this one line alone. Though one line should not be used as a primary factor in these matters.

Per your request we are not supplying you with a final report or interpretation. If at a later date you want something written up please let me know.

Very truly yours,

HEINRICHS GEOEXPLORATION COMPANY

E. Grover Heinrichs Vice President

EGH/plg

Enclosure

