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# **BOYCE COOK**

**GENERAL CONTRACTOR**

**CLAIM STAKING, PACKSACK CORE DRILLING,  
DISCOVERY HOLE DRILLING, TITLE SEARCH INFORMATION,  
GEOCHEMICAL SAMPLING, PACK TRIPS and CAMPS SET UP**

**P. O. Box 00  
Buena Vista, Colo. 81211**

**Telephone**  
**AC 303-395-~~8298~~ 2254**

PRELIMINARY REPORT

ON THE

COOK GROUP

GLOBE-SUPERIOR AREA

GILA & PINAL COUNTIES, ARIZONA

Alfred J. Straughan

February 9, 1972

LOCATION AND ACCESS

The Cook Group of mining claims is located in the Pioneer Mining District in the area of Pinto Basin in Gila and Pinal Counties, Arizona. They are about eight miles northeast of Superior Arizona in Twp. 1 N., R. 13 E. G.S.R M. The sections are unsurveyed in this township.

Access to the area from Miami Arizona is by way of U.S. 60-70. west four miles to the Castle Dome road. Follow this road north about 2½ miles where you will see a road taking off to the left with a Forrest Service sign that says to the Miles and Horrell ranches. Follow this winding road downgrade about 5 miles until you come to Pinto Creek. Ford this creek and you are on Cook # 18 of our group. Our trailer will be parked there if we are in Arizona.

TITLE

The Cook Group consists of 68 unpatented mining claims located and owned by Alfred J. Straughan of P.O. Box 6004, Colorado Springs, Colorado 80904, telephone 685-5090, Mr. Frank A. Swenson of 2626 Templeton Gap Rd., Colorado Springs Colorado, and Boyce Cook of P.O. Box 00 Buena Vista, Colorado. Cook Nos. 1 thru 34 were located December 8, 1971. Cook Nos. 35 thru 68 were located January 10, 1972. Location work on all of the claims was accomplished by drilling and affidavits of location work are in process of being recorded.

Our title is clear except where we overlap prior dated claims. We overlap apart of Miami Coppers Bee group as shown on attached map. We also overlap part of the Pinnacle and Century groups. We have no conflict as we recognize their prior rights. There is also a small patented track of 38 acres where part of our Nos 2 and 4 claims lay. This is owned by Miami Copper.

INTEREST IN THE AREA

In the past few years the Globe-Superior area has received much attention in the form of claim staking, geologic mapping, geochemical sampling and diamond drilling by a number of large mining companies. Miami Copper a division of the Cities Service Company has been drilling and claim staking around the old Castle Dome mine. Their claim block adjoins ours to the east. They are now in the process of designing a 40,000 ton per day mill and open pit for this mine. The American Smelting and

Refining Company has claims to the south and west of us. We attach on to the north end line of their Carrie Group. They have a drill rig drilling around the clock about a mile south of our group. Inspiration Copper has recently staked the Ghost Group about a mile southeast of this group between Miami Copper and A.S. & R' Carrie group. About six miles southwest of the Cook Group Magma Copper is developing their new orebody with a shaft 4,800 feet deep. They have 10 million tons of 6% copper. There is the old Miami mining district about 10 miles to the east of the Cook Group where Cities Service, Inspiration Copper and Ranchers Exploration have open pit copper mines that have been good producers for many years. Occidental Minerals is at present still drilling out an orebody under the town of Miami. According to a friend of mine who owns a lumber yard in Globe there are many large companies buying truck load lots of claim corners from him. So as of January 1972 staking activity is still going on strong.

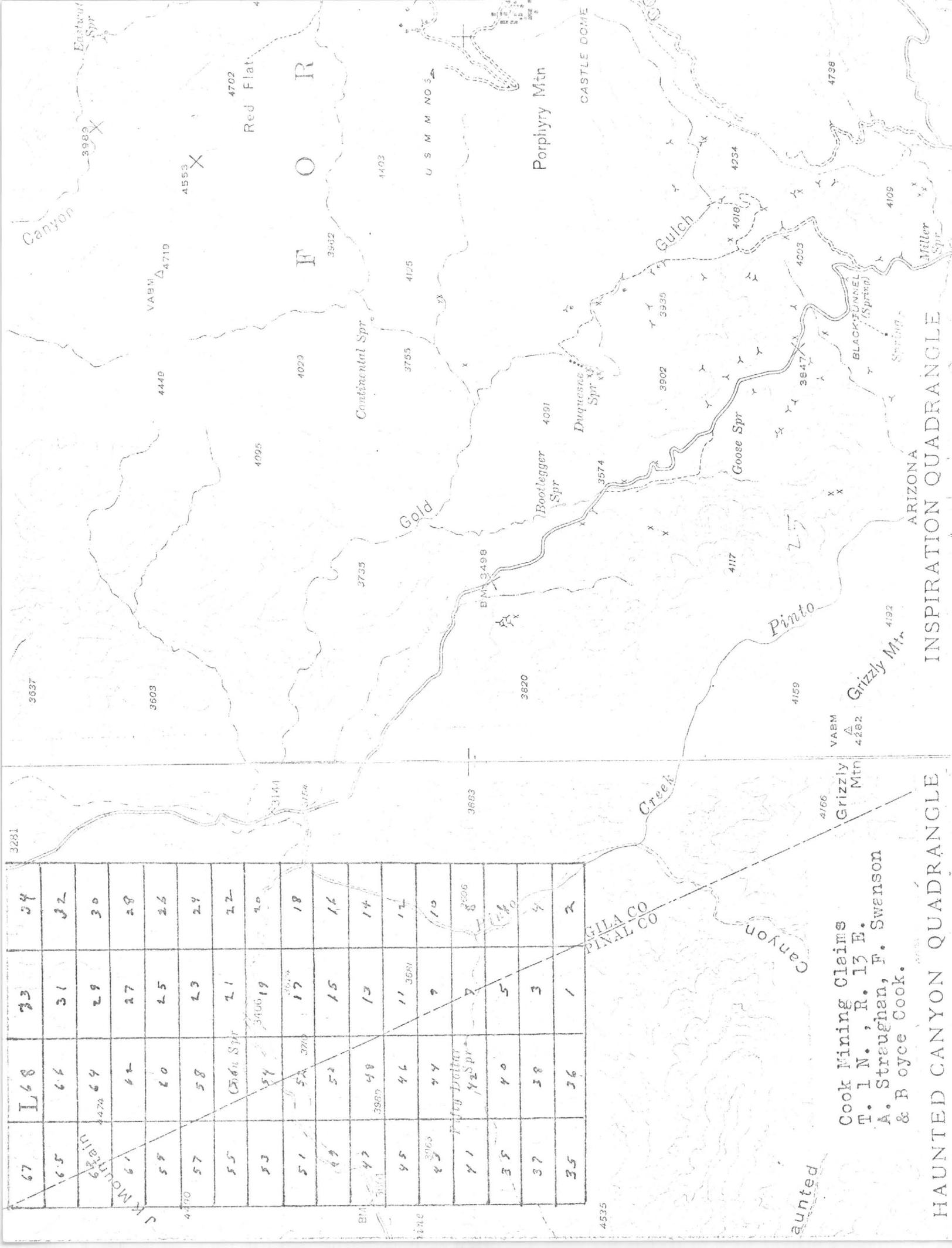
### GENERAL GEOLOGY

There has not been any detailed geological work done on this particular property. There are many papers written about the nearby mines in the Globe-Superior area. There is a ~~Professional~~ <sup>MAP</sup> ~~Paper~~ called "Hunted Canyon Geology by D. W. Peterson. It is GQ 128 published by the U.S. Geological Service.

The three square mile area of these claims is covered mostly by volcanic rocks. Across the middle of the block there is an area of limestone. The geochemical data we have obtained by taking soil samples at the claim corners and end centers does show the presence of anomalous copper. Results are shown on the attached map. The samples were taken when we dug holes for our posts. The soil was dried and screened to about 100 mesh and the resulting powder sent to Rocky Mountain Geochemical Laboratories at Prescott. The cuttings from the Discovery drill holes were also screened before sending to the assay laboratory. The 550 ppm copper from the drill hole on claim # 34 is about 10 times background. The soil samples from 1500 feet west of there are also above background so this is an area of additional work. We at present have not samples offsetting this anomaly.

### RECOMMENDATIONS

It is recommended that the claim block be geologically mapped and perhaps tied in with known regional ore trends. Additional geochemical work to more accurately determine leaks of copper mineralization from below. Perhaps an Induced Polarization survey to detect a mineral anomaly at depth. Followed if anomaly found by drilling.



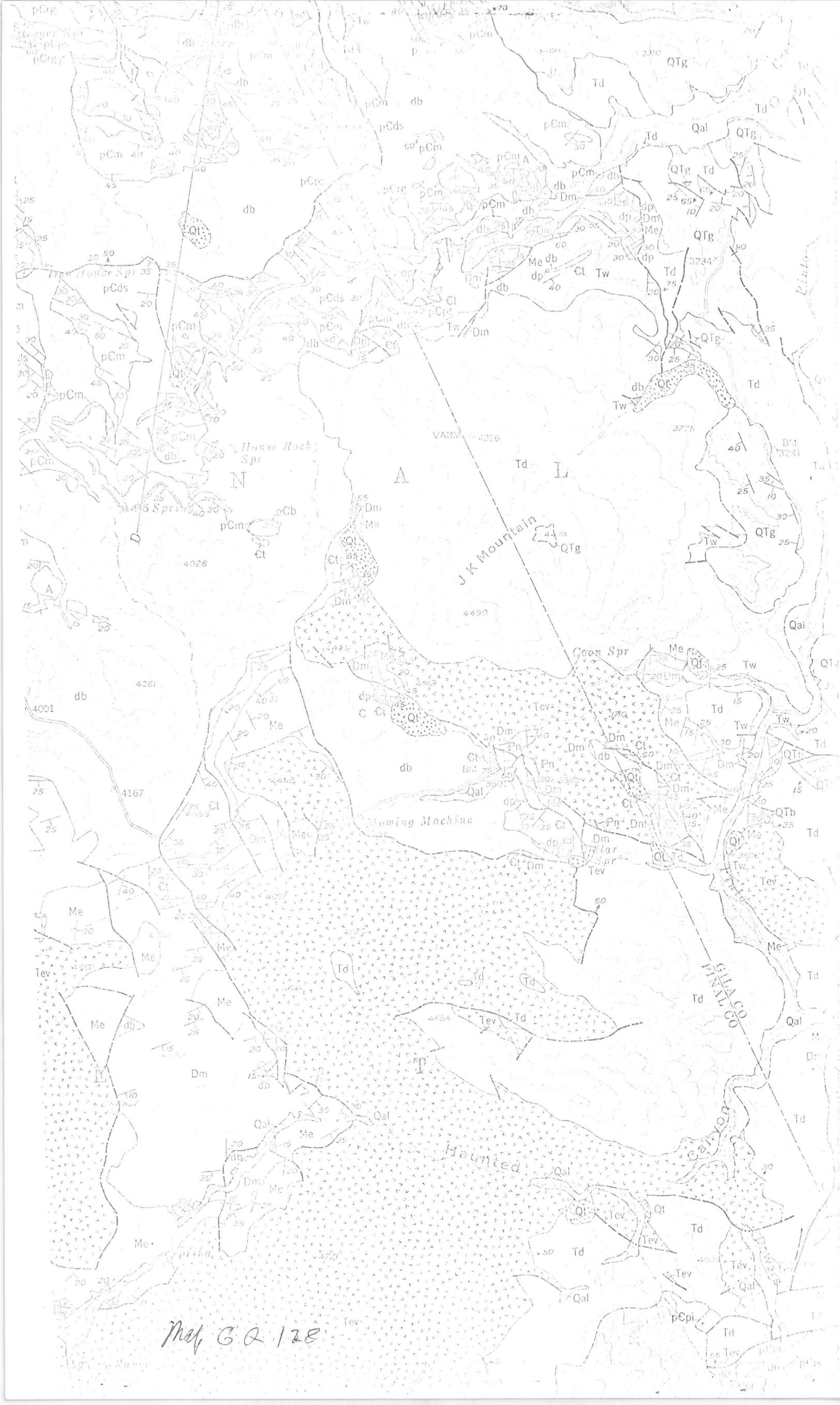
67	L68	73	54
65	66	31	32
64	69	29	30
61	62	27	28
58	60	25	26
57	58	23	24
55	Cont'l Spr	21	22
53	54	19	20
51	52	17	18
49	52	15	16
47	49	13	14
45	46	11	12
43	44	9	10
41	Petty Ditch	7	8
35	40	5	6
37	38	3	4
35	36	1	2

Cook Mining Claims  
 T. I. N., R. 13 E.  
 A. Straughan, F. Swenson  
 & B. oyce Cook.

HAUNTED CANYON QUADRANGLE      INSPIRATION QUADRANGLE

ARIZONA

GILA CO  
 PINAL CO



Map G Q 128

R.13E.

	67		68	100 80 70	33	160 105	34
60	65	30	66	45	31	75	32
40	63	60	64	75 40	29	210	30
120	61		62	55	27		28
	59	75	60	65	25		26
80	57	135	58		23		24
80	55	90	56	90	21		22
45	53	180	54	70	19	110	20
170	51	60	52	140 100	17	40	18
	49	100	50	140	15	20	16
	47	60	48	35	13		14
	45	225 160	46	100	11		12
110	43	90	44		9		10
	41	90	42	130	7	60	8
90	39		40		5		6
65	37	105	38		3		4
130	35	60	36		1		2

A.S.&R. Carrie Group Joins Us Here

COOK CLAIMS 1 to 68  
 Gila & Pinal Counties  
 Arizona T.1N., R.13E.  
 Sections Not Surveyed

COPPER IN PPM SHOWN AT  
 CLAIM CORNERS & END CENTERS.

SCALE 1/10" = 100'

NO OVERLAP  
 PINNACLE  
 GROUP HERE

TO MILES RANCH

550' P.P.  
 MIAAMI CO. BEE GROUP

BEE 110  
 MIAAMI COPPER BEE GROUP

TO GLOBE

PINTO CREEK & ROAD

PINTO CREEK

GILA & PINAL COUNTY LINE

P.O. Box 6004  
Colorado Springs  
Colorado 80904  
March 27, 1972

EXM

Mr Howard Lanier  
Essex International Inc  
1704 W. Grant  
Tucson, Ariz. 85705

MAR 31 1972

RECEIVED

Dear Mr. Lanier:

About a month ago my partner Mr. Boyce Cook left a report and a map of a copper prospect near Globe Arizona in which we have an interest. Since that time we have added on to the group. I will at this time explain what we have done and enclose a map of the new group.

The new group attaches on to the north end line of the old group. Making our new block 6,000 wide and 10,200 feet long. The geochemical data on the new group we did ourselves. We used the Holman Test a buffer and dithizone in hexane as the detector. In the scale for this method I believe 1 and 2 is background for this property. I think that a 4 on up is a good anomaly.

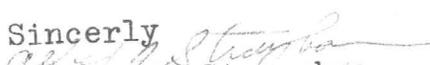
An area that I believe is of interest is Cook # 116. The surface rocks are mostly diabase with some Martin limestone. Our Holman test gave us a 5 at the S.W corner so we decided to take samples at 700 feet intervals along the north and south lines. The results designate an anomalous area. See map for details

The second area of interest is on Cook # 83. We found a high of 10 at the S.W corner of this claim. We off set it in several directions. At 100 feet to the north we obtained a 9 and 100 feet more north a 6. Then after we got into the diorite porphyry it dropped to a 2. The anomaly seems to come from the Martin and Escabrosa limestones. Also perhaps the faults shown on the geologic map have something to do with the anomalies.

We also recently have found a zone of Copper anomalies on the east half of Cook # 8 and Cook # 6. 200 feet west of the east end center of Cook 8 we came up with a 13 on the Holman scale. The surface in this area is volcanic rocks. Another anomalous area is Cook # 85 which has a surface of Gila conglomerate and volcanic rocks.

That is about all the new data I have on this prospect. I hope it will help you to better evaluate this prospect

Sincerely

  
Alfred J. Straughan

PEAK GROUP  
MIAMI COPPER



1 3	119	2 0	120	2 1	113	2 1	114
4 1	117	2 0	118	2 0	111	1 0	112
0 0	115	5 3 0	4 3 1 5 3 2 1 16 5 4 4 1 2	2 4	109	0 1	110
0 1 4	89	1 4	90	1 1	87	2 2	88
4 1	91	0 0	92	6 4 6 4 6 5 2 2	85	2 2	86
0 0	93	1 0	94	2 9 4 10 2	83	1 0	84
	95		96	3 2 1	81	0 5	82
	97		98		79	2 0	
	99		100		77	1 2	78
	101		102		75	1 0	76
	103		104		73	1 0	74
	105		106		71	0 0	72
	107		108		69	1 0 2	70

TO HOBRELL RANCH 0.1 MI.

PINTO CREEK

PINTO CREEK

WEST

BEE 241  
MIAMI COPPER

BEE 88  
MIAMI COPPER

TO U.S. 60-70

COOK CLAIMS 69 to 120  
Gila County Arizona  
T. 1 N., R. 13 E.

Scale 1" = 1,000'

*Handwritten notes:*  
H... G...  
results of ...

119	120	113	114
117	118	111	112
115	116	109	110
99	90	87	88
91	92	85	86
93	94	83	84
95	96	81	82
97	98	79	81
99	100	77	78
101	102	75	76
103	104	73	74
105	106	71	72
107	108	69	70
67	68	33	34
65	66	31	32
63	64	29	30
61	62	27	28
59	60	25	26
57	58	23	24
55	56	21	22
53	54	19	20
51	52	17	18
49	50	15	16
47	48	13	14
45	46	11	12
43	44	9	10
41	42	7	8
39	40	5	6
37	38	3	4
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