CONTACT INFORMATION
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Arizona Geological Survey
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Tucson, Arizona 85701
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0073

Volume 5 ; Book 7

TOMBSTONE

Mining District

Cochise County

ARIZONA

Misc. Drilling - 1971 to 1976

Southwestern Exploration Associates

Mineral Exploration & Natural Resource Consultants

Tucson, Arizona

TENNECO
1961

448

TENNECO OIL COMPANY

TOMBSTONE AIRPORT PROSPECT

Geologic Report, Drill Hole No. T71-4
Cochise Co., Arizona

TOMBSTONE AIRPORT PROSPECT

Geologic Report Drill Hole No. T71-4 Cochise Co. Arizona

This hole was drilled to test a moderate, isolated, sharply defined magnetic anomaly southeast of Tombstone, Arizona. This anomaly is located in an area where the only visible outcrops are Paleozoic limestone. Some Tertiary, rhyolite sills and dikes crop out in the vicinity. Associated with the rhyolite, is some minor fluorite and siderite mineralization. Ground magnetics over the anomaly were performed by A. M. Rugg. In addition some magnetic profiles were carried over typical outcrops of rhyolite; the rhyolite was found to be essentially non-magnetic whereas the anomaly indicated the presence of a strongly magnetic body under relatively thin cover. The nearest outcrops (all limestone) were 200 to 300 feet away from the anomaly.

A drill site was located on the northern portion of the anomaly. Three feet below the surface, the drill entered a grey and brown, fine-grained quartz latite. The hole was continued to 175 and stopped; no signs of mineralization were seen. The rock is moderately magnetic and clearly the source of the isolated magnetic anomaly.

Conclusions: The airborne survey has been proven capable of finding moderate anomalies with small lateral extent. The rock, found in drilling represents a heretofore unknown intrusion in the district. Probable age of the rock is Tertiary and it is thought to be related to the rhyolite dikes in this area. No significant mineralization was observed; no further work is recommended.

John Beeder
John Beeder
Senior Geologist

DRILL HOLE NO. T71-4 | Tombstone Airport PROJECT | PAGE 1 of 1

COLLAR ELEVATION 4775' | Cochise COUNTY Arizona | BY JRB

COORDINATES

BEARING | INCLINATION Vert. | SCALE 1" to 20'

DEPTH 175' | STARTED 6/4/71 | COMPLETED 6/6/71

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					0 to 3' caliche w/numerous limestone boulders			
					3' to 175' Grey and brown fine grained qtz latite, very wthr'd and decayed 3'-20', moderately magnetic			
					153-157 fresh unweathered phase			
					bright red & orange FeO stain on fractures assoc. with calcite — no signs of sulfide min'z.			
172' / 175'				TD	175'			

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

451

DRILL HOLE REPORT

Project Tombstone Airport Prospect County of Cochise State of Ariz.

Drill Hole No. 1 T. 20S R. 23E Sec. 30

Date Started June 4, 1971 Coord. 750' E. and 850' S. of NW Cor. Sec. 30

Date Finished June 6, 1971 Elevation 4755'

Total Tours 3 Total Depth - 175'

Footage drilled Rotary: Alluv. _____ Rock 12' Dia. 8½

Percussion: 12' 175' _____

Footage cored from 172' to 175' size NXC

_____ _____ _____

_____ _____ _____

Average core recovery _____

Casing used 12' Size & type 6-5/8 Black Iron Pipe

Type Rig G-D 2000 Drilling Contractor (1) Whatley Drilling Co.

(2) _____

Driller _____ Helper _____

_____ _____

_____ _____

Total Cost:		
	Footage	$ 946.00
	Rig rental	160.00
	Roads & drill site prep.	
	Mob. & Demob.	430.00
	Materials	27.28
	Bits & type	
	Misc.	
	Supervision	
	Total Cost	$ 1,563.28

Cost/Foot $8.93

Remarks: _____

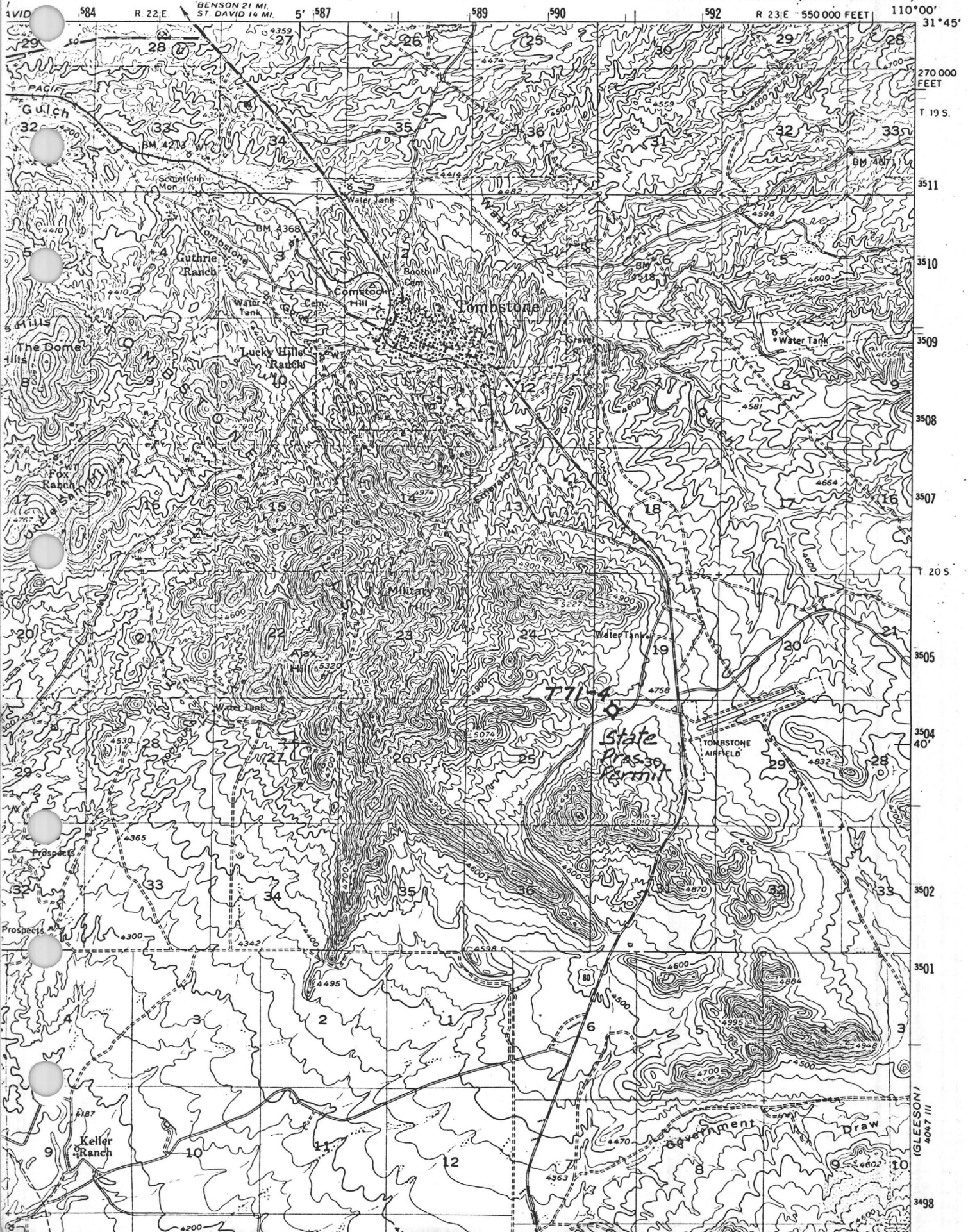
Tombstone Airport Prospect

45

TATES
F THE ARMY
NGINEERS

TOMBSTONE QUADRANGLE
ARIZONA—COCHISE CO.
15 MINUTE SERIES (TOPOGRAPHIC)

4047 IV (PEARCE)



415

ITEM # 20

TMR DRILLHOLE #1

Southwest Assayers
and Chemists

CORE SAMPLE NO.	FROM - TO	SILVER-OZ.	LEAD-%	COPPER-%	GOLD-OZ.
#004767					
#1	184' - 187.5'	TR	.10	.02	
[illegible]	320' - 327'	TR	+.10	.01	
	327' - 338.5'	TR	+.10	.02	
#4	340' - 345'	TR	+.10	.02	
#004885					
#5	375' - 377'	.06	.05	.02	
#6	400' - 402'	.08	.10	.01	
#7	425' - 427'	TR	+.05	+.01	
#8	450' - 452'	TR	+.05	+.01	
#9	475' - 477'	TR	+.05	+.01	
#10	500' - 502'	TR	+.05	+.01	
#005134					
#12	525' - 527'	TR	*.05	.03	NIL
#13	550' - 552'	TR	*.05	.05	-
#14	577' - 579'	TR	*.05	.07	-
#15	600' - 602'	TR	*.05	.08	-
#16	625' - 627'	TR	*.05	.06	-
#17	650' - 652'	.14	*.05	.05	-
#18	675' - 677'	.08	*.05	.07	-
#19	700' - 702'	TR	*.05	.06	-
#20	725' - 727'	TR	*.05	.04	-
#21	750' - 752'	TR	*.05	.09	-
#22	775' - 777'	TR	*.05	.09	-
#005134					
#23	800' - 802'	TR	*.05	.08	-
#24	825' - 827'	TR	*.05	.08	-
#25	829' - 831'	TR	*.05	.10	-
#0[illegible]12					
#27	851' - 853'	TR		.01	-
#30	880' - 882'	TR		+.01	-
#32	900' - 902'	TR		+.01	-
#35	929' - 931' TD	TR		.01	-

NOTE: Lost 10' N-X-Core Barrel And Core Bit In Hole. Filled Hole With Heavy Mud. Will Overshoot And Recover.

+ = More Than.
* = Less Than.

4 copies ITEM #47

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.
BOX 50106 1700 W. GRANT RD.,
TUCSON, ARIZONA 85703 (602) 622-4836

Registered Assayers
OVER 50 YEARS

BRANCHES
Douglas
Hayden
Morenci
Inspiration
El Paso
St. Louis

IDENTIFICATION	Gold OPT	Silver ~~%~~ ppm	Lead %	Copper ~~%~~ ppm	Zinc %	Mo. %
Core Splits from hole TMR #1 375		1.2		50		
425		0.6		17		
475		0.6		18		
518		0.7		14		
556		0.7		15		
605		0.8		14		
640		1.6		24		
686		0.9		16		
737		0.7		19		
784		0.7		27		
820		0.6		17		
Number Illegible		1.1		20		
906		0.6		23		
925		0.7		18		
C - 1 89 - 95		1.5		24		
C - 3 139 - 145		0.8		19		
C - 4 119 - 125		1.0		27		
C - 5 19 - 25		1.4		22		
C - 5 A 119 - 125		1.1		19		
C - 8 154 - 160		1.1		22		
C - 9 114 - 120		1.0		22		
C -13 154 - 160		0.8		15		
C -14 154 - 160		0.8		15		
C -18 110 - 116		0.7		33		
C -21 110 - 116		0.6		39		
C -24 96 - 108		0.7		48		

RESULTS OF GEO-CHEM TESTS
ON TMR DRILLHOLE T.D. SAMPLES

LEGEND

C-1 : CAB Claims Drillholes
R-2 : RAY Claims Drillholes
S-1 : STAR Claims Drillholes
TMR-4: Sec. 20
TMR W-W: Sec. 21 Drillholes
COMP: Composite Sample Per No's

CC: Tenneco Oil Company
ADD: Attn: Mr. John Beeder
CITY: 2624 Borth 1st Avenue
ADD: Tucson, Arizona 85719
CITY:

REMARKS:
Page 1
Trace analysis

Analysis Cert. By

Preparation $
Analysis $
$

ACC: TENNECO OIL COMPANY

Date Spl. Received 10/15/71

Date Compl. 10/20/71

Tuc 345701

HH3

71-MINERALS
1973 TDC AREA

TOMBSTONE DEVELOPMENT CO. - UNPATENTED CLAIMS
(18 Unpatented Claims)

Drill Hole No.	Remarks
AT-1	55' deep, no mineralization
AT-2	50' deep, good silver mineralization
AT-3	75' deep, very weak silver
AT-4	65' deep, no mineralization
AT-5	50' deep, no mineralization
AT-6	80' deep, some Ag
AT-7	100' deep, some Ag
AT-8	104' deep, good Ag
AT-9	100' deep, some good Ag
AT-10	100' deep, some very good Ag
AT-11	100' deep, weak Ag

Rotary Drill Hole No.	Remarks
TDC-1	very weak mineralization
TDC-2	weak mineralization
TDC-3	weak Ag, Cu, Pb, Zn
TDC-4	weak Ag & Cu
TDC-5	very weak mineralization
TDC-6	very weak mineralization
TDC-7	some weak Cu, Pb, & Zn
TDC-8	some weak Cu, Pb, & Zn
TDC-9	fair Pb & Zn
TDC-10	weak Au, Ag, Cu, Pb, & Zn
TDC-11	weak Au, Ag, Cu, Pb, & Zn
RD-1	210' feet

71 MINERALS DRILLING

Rotary Drill Hole No.	Location	Remarks
1A	Skip Shaft Area	Qual. - no samples
101	Skip Shaft Area	Qual. - no samples
106	Skip Shaft Area	Fair - mineralization
107	Skip Shaft Area	Fair - mineralization
108	Skip Shaft Area	Weak - mineralization
109	Skip Shaft Area	Weak - mineralization
110	Skip Shaft Area	Weak - mineralization
111	Skip Shaft Area	Weak - mineralization
112	Skip Shaft Area	Weak - mineralization
113	Skip Shaft Area	Weak - mineralization
114	Skip Shaft Area	Fair - hit stope
115	Skip Shaft Area	Fair
116	Near Skip Shaft Fissure	High-Grade Intervals
117	Skip Shaft Area	Qual. - no samples
118	Skip Shaft Area	Qual. - no samples
119	Skip Shaft Area	Qual. no samples
120	Skip Shaft Area	Qual. - no samples

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Rotary Drill Hole No.	Location	Remarks
120A	Skip Shaft Area	Qual. - no samples
121	Skip Shaft Area	Qual. - no samples
122	Skip Shaft Area	Qual. - no samples
123	Skip Shaft Area	Qual. - no samples
124	Skip Shaft Area	Weak - mineralization
124	Skip Shaft Area	Weak - mineralization
125	Skip Shaft Fissure	Some High-Grade Intervals
126	Skip Shaft Area	Weak - mineralization
127	Skip Shaft Area	Fair - mineralization
128	Skip Shaft - Tranquility Area	Good - mineralization
129	Tranquility Shaft Area	Weak - mineralization
130	Tranquility Shaft Area	Weak - mineralization
131	Tranquility Shaft Area	Weak - mineralization
132	Tranquility Shaft Area	Good - mineralization
133	Tranquility Shaft Area	Good - mineralization
134	Tranquility Shaft Area	Weak - mineralization
135	Tranquility Shaft Area	Fair - mineralization
136	Skip Shaft Area	Weak - mineralization

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Rotary Drill Hole No.	Location	Remarks
137	Skip Shaft Area	Weak - mineralization
138	N. Skip Shaft	Good - mineralization
139	Empire Shaft Area	Weak - mineralization
140	Empire Shaft Area	Weak - mineralization
141	Empire Shaft Area	Weak - mineralization

Probably TDC. VALIDATION HOLES ✓ county for map.

114

170	TDC-1	0 - 5	<0.005	< 0.01	< 0.01	0.01	0.01
171		5 - 10	<0.005	0.05	< 0.01	0.01	0.01
172		10 - 15	<0.005	0.02	< 0.01	0.06	0.01
173		15 - 20	<0.005	0.04	< 0.01	0.01	0.01
174		20 - 25	<0.005	< 0.01	< 0.01	0.04	0.01
175	TDC-1	25 - 30	<0.005	< 0.01	< 0.01	0.02	0.01
39	TDC-2	0 - 5	<0.02	<0.2	10	100	45
40		5 - 10	<0.02	<0.2	10	230	60
41		10 - 15	<0.02	<0.2	10	275	35
42		15 - 20	<0.02	0.8	10	115	40
43		20 - 25	<0.02	0.6	10	700	40
44		25 - 30	<0.02	<0.2	10	300	40
45		30 - 35	<0.02	<0.2	10	525	45
46		35 - 40	<0.02	<0.2	10	415	45
47	TDC-2	40 - 45	<0.02	<0.2	10	225	35
48	TDC-3	0 - 5	<0.02	<0.2	10	55	30
49		5 - 10	<0.02	<0.2	10	70	40
50		10 - 15	<0.02	<0.2	10	200	40
51		15 - 20	<0.02	<0.2	10	55	30
52		20 - 25	<0.02	<0.2	10	260	40
53		25 - 30	<0.02	0.4	10	140	40
54		30 - 35	<0.02	0.6	10	315	30
55		35 - 40	<0.02	0.8	15	180	40
56		40 - 45	<0.02	0.6	45	365	75
57	TDC-3	45 - 48	<0.02	0.8	20	185	210
58	TDC-4	0 - 5	<0.02	0.4	10	250	40
59	TDC-4	5 - 10	<0.02	0.2	10	35	30
60	TDC-5	0 - 5	<0.02	<0.2	10	35	35
61	TDC-5	5 - 10	<0.02	<0.2	10	25	45
62	TDC-6	0 - 5	<0.02	<0.2	10	15	30
63	TDC-6	5 - 10	<0.02	<0.2	10	35	40
64	TDC-7	0 - 5	<0.02	<0.2	10	15	10
65		5 - 10	<0.02	0.2	5	10	10
66		10 - 15	<0.02	0.2	5	235	5
67		15 - 20	<0.02	<0.2	20	25	15
68		20 - 25	<0.02	<0.2	20	155	20
69		25 - 30	<0.02	<0.2	15	35	30
70	TDC-7	30 - 35	<0.02	<0.2	20	125	30

TO:

REMARKS:

Trace analysis
Page 2 of 4

CERTIFIED BY:

ACCT.: SIERRA MINERALS

DATE REC'D: 8/30/73

DATE COMPL.: 9/12/73

347854

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
71	TDC-7	35 - 40	<0.02	<0.2	50	475	25
72		40 - 45	<0.02	<0.2	25	140	25
73	TDC-7	45 - 48	<0.02	0.4	110	60	80
74	TDC-8	0 - 5	<0.02	<0.2	10	35	35
75		5 - 10	<0.02	<0.2	10	5	35
76		10 - 15	<0.02	0.2	10	170	25
77		15 - 20	<0.02	<0.2	10	35	25
78		20 - 25	<0.02	<0.2	10	145	210
79		25 - 30	<0.02	0.4	25	245	315
80		30 - 35	<0.02	<0.2	25	30	575
81		35 - 40	<0.02	0.2	10	180	50
82		40 - 45	<0.02	<0.2	10	10	55
83	TDC-8	45 - 48	<0.02	<0.2	10	20	25
84	TDC-9	0 - 5	<0.02	1.2	35	545	250
85		5 - 10	<0.02	0.4	15	195	225
86		10 - 15	<0.02	<0.2	10	90	30
87		15 - 20	<0.02	0.8	10	35	135
88		20 - 25	<0.02	0.4	10	85	115
89		25 - 30	<0.02	<0.2	10	50	85
90		30 - 35	0.07	0.2	10	40	180
91		35 - 40	0.09	0.4	10	270	60
92		40 - 45	0.10	1.3	40	150	200
93	TDC-9	45 - 48	0.09	2.2	35	325	280
94	TDC-10	0 - 5	<0.02	0.2	15	200	265
95		5 - 10	0.04	0.6	45	760	520
96		10 - 15	<0.02	0.6	10	150	150
97		15 - 20	0.06	1.3	10	10	125
98		20 - 25	0.05	0.8	15	125	310
99		25 - 30	<0.02	1.8	15	215	165
100		30 - 35	<0.02	1.0	10	65	125
101		35 - 40	<0.02	0.6	10	270	155
102		40 - 45	<0.02	0.4	25	195	325
103	TDC-10	45 - 48	<0.02	1.2	35	525	420
104	TDC-11	0 - 5	<0.02	0.4	15	410	210
105	TDC-11	5 - 10	<0.02	0.2	10	85	135

TO:

REMARKS:

Trace analysis
Page 3 of 4

CERTIFIED BY:

ACCT.: SIERRA MINERALS

DATE REC'D: 8/30/73

DATE COMPL.: 9/12/73

347854

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SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
106	TDC-11	10 - 15	<0.02	0.2	10	275	260
107		15 - 20	<0.02	1.2	25	150	240
108		20 - 25	0.04	2.6	35	415	365
109		25 - 30	<0.02	1.5	10	185	150
110		30 - 35	<0.02	0.4	25	55	125
111		35 - 40	<0.02	0.8	10	180	115
112		40 - 45	<0.02	0.4	50	205	215
113	TDC-11	45 - 48	<0.02	<0.2	5	60	25

TO:

REMARKS:
Trace analysis
Page 4 of 4

CERTIFIED BY:

ACCT.: SIERRA MINERALS

DATE REC'D: 8/30/73

DATE COMPL.: 9/12/73

347854

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
176	TDC-1	30 - 35	<0.005	< 0.01	< 0.01	0.03	0.01
177		35 - 40	<0.005	0.05	< 0.01	0.03	0.01
178		40 - 45	<0.005	0.06	0.01	0.03	< 0.01
179	TDC-1	45 - 50	<0.005	0.01	< 0.01	0.05	< 0.01
180	H-RD-1	80 - 85	<0.005	0.01	< 0.01	0.01	< 0.01
181		85 - 90	<0.005	0.02	< 0.01	0.01	< 0.01
182		90 - 95	<0.005	< 0.01	< 0.01	0.02	< 0.01
183		95 - 100	<0.005	< 0.01	< 0.01	0.03	< 0.01
184		100 - 105	<0.005	< 0.01	< 0.01	0.03	< 0.01
185		105 - 110	<0.005	< 0.01	< 0.01	0.02	< 0.01
186		110 - 115	<0.005	0.04	< 0.01	0.01	< 0.01
187		115 - 120	<0.005	0.01	< 0.01	0.02	< 0.01
188		120 - 125	<0.005	0.01	< 0.01	0.01	< 0.01
189		125 - 130	<0.005	0.03	< 0.01	0.01	< 0.01
190		130 - 135	<0.005	0.04	< 0.01	0.01	< 0.01
191		135 - 140	<0.005	0.02	< 0.01	0.01	< 0.01
192		140 - 145	<0.005	< 0.01	< 0.01	0.01	< 0.01
193		145 - 150	<0.005	< 0.01	< 0.01	0.01	< 0.01
194	H-RD-1	150 - 155	<0.005	0.01	< 0.01	0.02	< 0.01

TO:

REMARKS:
Single determination
Page 6 of 6

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERAL MANAGEMENT	8/28/73	9/7/73	347841

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

118

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
1	TDC-12	0 - 5	<0.02	<0.2	10	285	35				
2		5 - 10	<0.02	1.2	20	100	60				
3		10 - 15	<0.02	<0.2	10	120	65				
4		15 - 20	<0.02	0.4	5	90	100				
5		20 - 25	<0.02	1.2	20	190	205				
6		25 - 30	<0.02	1.2	25	185	170				
7		30 - 35	<0.02	0.4	10	270	40				
8		35 - 40	<0.02	0.6	5	160	25				
9		40 - 45	<0.02	<0.2	5	110	100				
10	TDC-12	45 - 48	<0.02	0.8	10	75	70				
11	TDC-13	0 - 5	<0.02	<0.2	5	60	35				
12		5 - 10	<0.02	<0.2	5	60	45				
13		10 - 15	<0.02	<0.2	10	185	45				
14		15 - 20	<0.02	<0.2	5	155	25				
15		20 - 25	<0.02	<0.2	10	630	25				
16		25 - 30	<0.02	<0.2	10	55	15				
17		30 - 35	<0.02	<0.2	10	50	20				
18		35 - 40	<0.02	0.6	20	460	105				
19		40 - 45	<0.02	<0.2	15	75	80				
20	TDC-13	45 - 48	<0.02	<0.2	10	60	75				
21	TDC-14	0 - 5	<0.02	<0.2	20	55	50				
22		5 - 10	<0.02	0.8	10	50	45				
23		10 - 15	<0.02	<0.2	10	270	50				
24		15 - 20	<0.02	<0.2	10	195	30				
25		20 - 25	<0.02	<0.2	10	290	45				
26		25 - 30	<0.02	<0.2	10	165	50				
27		30 - 35	<0.02	<0.2	10	290	155				
28		35 - 40	<0.02	<0.2	10	390	65				
29		40 - 45	<0.02	<0.2	20	165	50				
30	TDC-14	45 - 48	<0.02	<0.2	15	270	40				
31	TDC-15	0 - 5	<0.02	<0.2	15	170	225				
32		5 - 10	<0.02	<0.2	20	210	335				
33		10 - 15	<0.02	<0.2	25	150	45				
34		15 - 20	<0.02	<0.2	30	60	45				
35	TDC-15	20 - 25	<0.02	<0.2	60	140	25				

TO:
Sierra Minerals
4741 East Sunrise Drive
Tucson, Arizona 85718
cc: Mr. James Briscoe, 6418 Santa Aurelia
Tucson, Arizona 85715

REMARKS:
Trace analysis
Page 1 of 3

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	8/31/73	9/19/73	347861

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

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CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
36	TDC-15	25 - 30	<0.02	<0.2	10	80	25
37		30 - 35	<0.02	<0.2	10	70	25
38		35 - 40	<0.02	<0.2	10	230	20
39		40 - 45	<0.02	<0.2	10	150	15
40	TDC-15	45 - 48	<0.02	<0.2	10	105	10
41	TDC-16	0 - 5	<0.02	1.2	15	190	35
42		5 - 10	<0.02	2.0	10	55	25
43		10 - 15	<0.02	0.6	10	310	20
44		15 - 20	<0.02	0.4	10	75	20
45		20 - 25	<0.02	<0.2	10	240	25
46		25 - 30	<0.02	0.6	10	270	55
47		30 - 35	<0.02	0.6	20	200	140
48		35 - 40	<0.02	1.0	15	700	170
49		40 - 45	<0.02	<0.2	10	105	145
50	TDC-16	45 - 48	<0.02	1.0	10	300	160
51	TDC-17	0 - 5	<0.02	<0.2	15	55	30
52		5 - 10	<0.02	0.4	10	50	60
53		10 - 15	<0.02	0.4	10	65	25
54		15 - 20	<0.02	0.4	10	65	20
55		20 - 25	<0.02	<0.2	10	165	35
56		25 - 30	<0.02	0.4	25	105	35
57		30 - 35	<0.02	1.4	20	45	50
58		35 - 40	<0.02	1.8	35	185	30
59		40 - 45	<0.02	0.4	15	120	80
60	TDC-17	45 - 48	<0.02	1.0	10	115	80
61	TDC-18	0 - 5	<0.02	0.2	15	40	15
62		5 - 10	<0.02	0.4	15	35	40
63		10 - 15	<0.02	0.6	15	80	60
64		15 - 20	<0.02	0.6	170	110	50
65		20 - 25	<0.02	1.0	85	240	55
66		25 - 30	<0.02	1.4	25	60	30
67		30 - 35	0.07	5.2	15	100	75
68		35 - 40	0.07	1.4	10	150	85
69		40 - 45	0.05	1.2	15	110	95
70	TDC-18	45 - 48	<0.02	1.5	15	75	70

TO:

REMARKS:

Trace analysis
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CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	8/31/73	9/19/73	347861

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SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
71	TDC-19	0 - 5	<0.02	12.	10	60	25
72		5 - 10	0.16	24.	15	30	35
73		10 - 15	0.06	6.0	10	135	35
74		15 - 20	0.05	3.2	20	65	55
75		20 - 25	0.05	1.6	10	225	90
76		25 - 30	0.09	3.6	40	340	145
77		30 - 35	<0.02	2.8	5	70	35
78		35 - 40	0.10	6.2	10	180	70
79		40 - 45	0.07	4.0	10	55	35
80	TDC-19	45 - 48	<0.02	1.6	30	60	30
81	TDC-20	0 - 5	0.09	25.	30	750	310
82		5 - 10	0.15	5.2	10	180	155
83		10 - 15	0.05	2.6	5	440	25
84		15 - 20	0.03	1.4	5	120	15
85		20 - 25	0.03	2.4	5	170	20
86		25 - 30	<0.02	1.6	5	40	25
87		30 - 35	0.07	3.0	5	35	35
88		35 - 40	0.04	2.6	20	175	50
89		40 - 45	0.05	2.4	30	40	50
90	TDC-20	45 - 48	<0.02	2.0	20	60	45
91	TDC-21	0 - 5	<0.02	1.4	5	125	40
92		5 - 10	0.06	6.4	5	65	65
93		10 - 15	0.07	4.8	5	160	100
94		15 - 20	0.10	2.4	10	90	130
95		20 - 25	0.04	3.6	10	150	50
96		25 - 30	0.03	2.0	5	75	45
97		30 - 35	<0.02	1.2	5	50	15
98		35 - 40	<0.02	0.8	5	120	20
99		40 - 45	<0.02	1.2	5	55	15
100		45 - 50	<0.02	0.4	5	250	25
101		50 - 55	<0.02	0.4	10	125	50
102	TDC-21	55 - 60	<0.02	1.2	10	100	60

TO:

REMARKS:

Trace analysis
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CERTIFIED BY:

ACCT.: SIERRA MINERALS

DATE REC'D: 8/31/73

DATE COMPL.: 9/19/73

347861

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
1	AT-1	5 - 10	<0.005	< 0.01	< 0.01	< 0.01	< 0.01
2		10 - 15	<0.005	< 0.01	< 0.01	< 0.01	< 0.01
3		15 - 20	<0.005	< 0.01	< 0.01	< 0.01	< 0.01
4		20 - 25	<0.005	0.07	< 0.01	< 0.01	< 0.01
5		25 - 30	<0.005	< 0.01	< 0.01	< 0.01	< 0.01
6		30 - 35	<0.005	< 0.01	< 0.01	< 0.01	< 0.01
7		35 - 40	<0.005	0.02	< 0.01	< 0.01	< 0.01
8		40 - 45	<0.005	< 0.01	< 0.01	< 0.01	< 0.01
9		45 - 50	<0.005	< 0.01	< 0.01	< 0.01	< 0.01
10	AT-1	50 - 55	<0.005	0.01	< 0.01	< 0.01	< 0.01
11	AT-2	5 - 10	<0.005	0.49	< 0.01	0.02	0.03
12		10 - 15	0.005	0.58	< 0.01	< 0.01	0.03
13		15 - 20	<0.005	0.43	< 0.01	0.01	0.07
14		20 - 25	0.005	0.58	< 0.01	< 0.01	0.01
15		25 - 30	<0.005	0.29	< 0.01	< 0.01	0.01
16		30 - 35	0.005	0.81	0.03	0.25	0.08
17		35 - 40	0.005	1.93	0.02	0.02	0.04
18		40 - 45	<0.005	0.31	< 0.01	< 0.01	< 0.01
19	AT-2	45 - 50	<0.005	0.11	< 0.01	< 0.01	< 0.01
20	AT-3	5 - 10	<0.005	0.01	< 0.01	0.01	0.15
21		10 - 15	<0.005	< 0.01	< 0.01	< 0.01	0.14
22		15 - 20	<0.005	< 0.01	< 0.01	< 0.01	0.06
23		20 - 25	<0.005	< 0.01	< 0.01	< 0.01	0.07
24		25 - 30	<0.005	0.10	< 0.01	< 0.01	< 0.01
25		30 - 35	<0.005	0.02	< 0.01	< 0.01	< 0.01
26		35 - 40	<0.005	0.06	< 0.01	< 0.01	< 0.01
27		40 - 45	<0.005	0.09	< 0.01	< 0.01	< 0.01
28		45 - 50	<0.005	0.03	< 0.01	< 0.01	0.04
29		50 - 55	<0.005	0.09	< 0.01	0.01	0.05
30		55 - 60	<0.005	0.06	< 0.01	0.01	0.02
31		60 - 65	<0.005	0.06	< 0.01	0.01	< 0.01
32		65 - 70	<0.005	< 0.01	< 0.01	< 0.01	0.03
33	AT-3	70 - 75	<0.005	0.01	< 0.01	< 0.01	0.01
34	AT-4	5 - 10	<0.005	< 0.01	< 0.01	< 0.01	0.15
35	AT-4	10 - 15	<0.005	< 0.01	< 0.01	< 0.01	0.06

TO: Sierra Mineral Management
4741 East Sunrise Drive
Tucson, Arizona 85718
Attn: Mr. Nicholas H. Carouso

REMARKS:
Single determination
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Part 1

CERTIFIED BY: H. Kirchman

REGISTERED ASSAYER CERTIFICATE No. 584 H. Kirchman Tucson, Arizona U. S. A.

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERAL MANAGEMENT	8/28/73	9/7/73	347841

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %			
36	AT-4	15 - 20	<0.005	< 0.01	< 0.01	< 0.01	0.02			
37		20 - 25	<0.005	0.04	< 0.01	< 0.01	0.03			
38		25 - 30	<0.005	< 0.01	< 0.01	< 0.01	0.06			
39		30 - 35	<0.005	< 0.01	< 0.01	0.02	0.15			
40		35 - 40	<0.005	< 0.01	< 0.01	0.02	0.10			
41		40 - 45	<0.005	< 0.01	< 0.01	< 0.01	0.06			
42		45 - 50	<0.005	< 0.01	< 0.01	0.01	0.02			
43		50 - 55	<0.005	< 0.01	< 0.01	< 0.01	0.02			
44		55 - 60	<0.005	< 0.01	< 0.01	0.01	0.02			
45	AT-4	60 - 65	<0.005	< 0.01	< 0.01	< 0.01	< 0.01			
46	AT-5	5 - 10	<0.005	< 0.01	< 0.01	< 0.01	0.01			
47		10 - 15	<0.005	< 0.01	< 0.01	0.02	< 0.01			
48		15 - 20	<0.005	0.02	< 0.01	< 0.01	< 0.01			
49		20 - 25	<0.005	< 0.01	< 0.01	< 0.01	< 0.01			
50		25 - 30	<0.005	< 0.01	< 0.01	< 0.01	< 0.01			
51		30 - 35	<0.005	<0 .01	< 0.01	< 0.01	< 0.01			
52		35 - 40	<0.005	< 0.01	< 0.01	< 0.01	< 0.01			
53		40 - 45	<0.005	< 0.01	< 0.01	< 0.01	< 0.01			
54	AT-5	45 - 50	<0.005	< 0.01	< 0.01	< 0.01	0.06			
55	AT-6	5 - 10	<0.005	0.01	< 0.01	< 0.01	0.03			
56		10 - 15	<0.005	0.03	< 0.01	< 0.01	0.06			
57		15 - 20	<0.005	0.03	< 0.01	< 0.01	0.06			
58		20 - 25	<0.005	0.02	< 0.01	< 0.01	0.03			
59		25 - 30	0.005	0.01	< 0.01	< 0.01	0.04			
60		30 - 35	<0.005	0.01	< 0.01	< 0.01	0.01			
61		35 - 40	<0.005	0.03	< 0.01	< 0.01	< 0.01			
62		40 - 45	<0.005	0.02	< 0.01	< 0.01	< 0.01			
63		45 - 50	<0.005	0.02	< 0.01	< 0.01	< 0.01			
64		50 - 55	<0.005	< 0.01	< 0.01	< 0.01	0.02			
65		55 - 60	<0.005	< 0.01	< 0.01	< 0.01	0.16			
66		60 - 65	<0.005	< 0.01	< 0.01	0.04	0.14			
67		65 - 70	<0.005	0.13	< 0.01	0.12	< 0.01			
68		70 - 75	<0.005	0.67	< 0.01	0.17	0.03			
69		75 - 80	<0.005	0.29	< 0.01	0.20	0.01			
70	AT-6	80 - 85	<0.005	0.09	< 0.01	0.02	0.02			

TO:

REMARKS:
Single determination
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Part 1

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERAL MANAGEMENT	8/28/73	9/7/73	347841

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %			
71	AT-6	85 - 90	<0.005	0.31	< 0.01	0.01	0.06			
72		90 - 95	<0.005	0.23	< 0.01	< 0.01	0.06			
73	AT-6	95 - 100	<0.005	0.05	< 0.01	< 0.01	0.07			
74	AT-7	5 - 10	<0.005	0.03	< 0.01	0.01	< 0.01			
75		10 - 15	<0.005	0.03	< 0.01	< 0.01	< 0.01			
76		15 - 20	<0.005	0.07	< 0.01	< 0.01	< 0.01			
77		20 - 25	<0.005	0.03	< 0.01	< 0.01	< 0.01			
78		25 - 30	<0.005	0.01	< 0.01	< 0.01	< 0.01			
79		30 - 35	<0.005	0.05	< 0.01	0.01	< 0.01			
80		35 - 40	<0.005	0.04	< 0.01	< 0.01	< 0.01			
81		40 - 45	<0.005	0.04	< 0.01	0.02	0.03			
82		45 - 50	<0.005	0.08	< 0.01	0.02	0.03			
83		50 - 55	<0.005	0.11	< 0.01	0.04	< 0.01			
84		55 - 60	0.005	0.56	0.01	0.34	0.04			
85		60 - 65	<0.005	0.11	< 0.01	0.19	0.03			
86		65 - 70	0.005	0.92	< 0.01	0.12	0.18			
87		70 - 75	0.005	0.63	< 0.01	< 0.01	0.13			
88		75 - 80	<0.005	0.38	< 0.01	0.01	0.06			
89		80 - 85	<0.005	0.19	< 0.01	0.02	0.07			
90		85 - 90	<0.005	0.10	< 0.01	0.01	0.06			
91		90 - 95	<0.005	0.10	< 0.01	0.02	0.05			
92	AT-7	95 - 100	<0.005	0.09	< 0.01	< 0.01	0.08			
93	AT-8	5 - 10	<0.005	< 0.01	< 0.01	0.01	< 0.01			
94		10 - 15	<0.005	0.01	< 0.01	0.01	< 0.01			
95		15 - 20	<0.005	0.02	< 0.01	< 0.01	< 0.01			
96		20 - 25	<0.005	0.03	< 0.01	< 0.01	0.01			
97		25 - 30	<0.005	0.05	< 0.01	< 0.01	0.40			
98		30 - 35	<0.005	0.05	< 0.01	0.01	0.08			
99		35 - 40	<0.005	0.11	< 0.01	0.21	0.04			
100		40 - 45	<0.005	0.28	< 0.01	0.23	< 0.01			
101		45 - 50	<0.005	0.29	< 0.01	0.26	< 0.01			
102		50 - 55	<0.005	0.31	< 0.01	0.05	0.02			
103		55 - 60	<0.005	0.68	< 0.01	0.02	0.08			
104		60 - 65	<0.005	1.20	< 0.01	0.02	0.15			
105	AT-8	65 - 70	<0.005	0.46	0.01	0.01	0.19			

TO:

REMARKS:
Single determination
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CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERAL MANAGEMENT	8/28/73	9/7/73	347841

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %
106	AT-8	70 - 75	<0.005	0.21	< 0.01	0.07	0.06
107		75 - 80	<0.005	0.09	< 0.01	0.01	0.02
108		80 - 85	<0.005	0.01	< 0.01	0.06	0.01
109		85 - 90	<0.005	0.01	< 0.01	0.06	0.02
110		90 - 95	<0.005	0.05	< 0.01	0.01	< 0.01
111		95 - 100	<0.005	< 0.01	< 0.01	0.02	< 0.01
112	AT-8	100 - 104	<0.005	0.11	< 0.01	0.01	< 0.01
113	AT-9	5 - 10	<0.005	0.04	< 0.01	0.06	< 0.01
114		10 - 15	<0.005	0.01	< 0.01	0.04	< 0.01
115		15 - 20	<0.005	0.02	< 0.01	0.02	< 0.01
116		20 - 25	<0.005	0.02	< 0.01	0.02	< 0.01
117		25 - 30	<0.005	0.06	0.01	0.05	0.07
118		30 - 35	<0.005	12.51	0.02	0.31	0.03
119		35 - 40	<0.005	1.06	0.03	0.26	0.02
120		40 - 45	<0.005	0.15	0.01	0.04	< 0.01
121		45 - 50	<0.005	0.26	0.01	0.04	0.09
122		50 - 55	<0.005	0.45	< 0.01	0.03	0.36
123		55 - 60	<0.005	0.01	< 0.01	0.01	0.33
124		60 - 65	<0.005	0.03	< 0.01	0.02	0.25
125		65 - 70	<0.005	0.05	< 0.01	0.01	0.18
126		70 - 75	<0.005	0.14	< 0.01	0.04	0.13
127		75 - 80	<0.005	0.09	< 0.01	0.02	0.16
128		80 - 85	<0.005	0.13	< 0.01	0.01	0.12
129		85 - 90	<0.005	0.02	< 0.01	0.02	0.07
130		90 - 95	<0.005	0.15	< 0.01	0.06	0.03
131	AT-9	95 - 100	<0.005	0.05	< 0.01	0.03	0.01
132	AT-10	5 - 10	<0.005	< 0.01	< 0.01	0.01	< 0.01
133		10 - 15	<0.005	< 0.01	< 0.01	0.02	< 0.01
134		15 - 20	<0.005	< 0.01	< 0.01	0.01	< 0.01
135		20 - 25	<0.005	0.08	< 0.01	0.02	0.09
136		25 - 30	<0.005	0.08	< 0.01	0.04	0.04
137		30 - 35	<0.005	0.12	< 0.01	0.24	0.01
138		35 - 40	<0.005	5.39	0.01	1.54	0.01
139		40 - 45	<0.005	0.14	< 0.01	0.24	< 0.01
140	AT-10	45 - 50	<0.005	0.31	< 0.01	0.16	< 0.01

TO:

REMARKS:

Single determination
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CERTIFIED BY:

ACCT.: SIERRA MINERAL MANAGEMENT

DATE REC'D: 8/28/73

DATE COMPL.: 9/7/73

347841

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au oz/ton	Ag oz/ton	Cu %	Pb %	Zn %			
141	AT-10	50 - 55	<0.005	0.39	< 0.01	0.23	0.03			
142		55 - 60	<0.005	0.53	< 0.01	0.03	0.06			
143		60 - 65	<0.005	0.33	0.01	0.05	0.08			
144		65 - 70	<0.005	0.39	0.01	0.02	0.15			
145		70 - 75	<0.005	0.17	0.01	0.05	0.22			
146		75 - 80	<0.005	0.06	< 0.01	0.08	0.15			
147		80 - 85	<0.005	< 0.01	< 0.01	0.07	0.01			
148		85 - 90	<0.005	< 0.01	< 0.01	0.04	0.01			
149		90 - 95	<0.005	0.01	< 0.01	0.03	< 0.01			
150	AT-10	95 - 100	<0.005	0.03	< 0.01	0.07	< 0.01			
151	AT-11	5 - 10	<0.005	0.03	< 0.01	0.01	0.09			
152		10 - 15	<0.005	0.13	< 0.01	0.05	0.02			
153		15 - 20	<0.005	0.11	< 0.01	0.01	0.02			
154		20 - 25	<0.005	0.07	< 0.01	0.04	0.01			
155		25 - 30	<0.005	0.51	0.01	0.05	0.02			
156		30 - 35	<0.005	0.33	0.01	0.06	0.02			
157		35 - 40	<0.005	0.07	< 0.01	0.19	< 0.01			
158		40 - 45	<0.005	0.19	0.01	0.21	0.06			
159		45 - 50	<0.005	0.21	< 0.01	0.04	0.10			
160		50 - 55	<0.005	0.23	< 0.01	0.03	0.11			
161		55 - 60	<0.005	0.21	< 0.01	0.05	< 0.01			
162		60 - 65	<0.005	0.17	< 0.01	0.09	< 0.01			
163		65 - 70	<0.005	0.19	< 0.01	0.06	0.07			
164		70 - 75	<0.005	< 0.01	< 0.01	0.06	0.11			
165		75 - 80	<0.005	< 0.01	< 0.01	0.03	0.05			
166		80 - 85	<0.005	0.04	< 0.01	0.02	0.03			
167		85 - 90	<0.005	< 0.01	< 0.01	0.01	< 0.01			
168		90 - 95	<0.005	< 0.01	< 0.01	0.07	< 0.01			
169	AT-11	95 - 100	<0.005	< 0.01	< 0.01	0.01	< 0.01			

TOMBSTONE MINERAL RESERVES

Escapule, J.

Scraper - 60 hrs. @ $35.00 per hr. $2000.00

Hillman, C.

Dozer - 60 hrs. @ $45.00 per hr. $2700.00

Road work done in Sec. 27, 28, 33, 34. Work completed August 31, 1973. C.B.E.

TOMBSTONE DEVELOPEMENT CO.

Labor - $453.00

Rig Rental - $475.00

Driller - Waterson - Helper - McNeely

Fuel & Oil - $89.76

TRACK RIG 3" bit

Bits - $146.10

Total hole depth 903

Assaying - $1260.00

Work done on 18 claims East of Tombstone - Sec. Work completed prior to August 31, 1973 C.B.E

HORN PROPERTY

HAR E - series of holes

Labor - $756.00

Fuel - $180.00

Driller - Henderson, T. - Helper - Henderson G

Mud Gel - $40.00

ROTARY RIG 4 3/4" bit

Sampling - $700.00

Total hole depth 510'

Repair parts for Rig - $330.00

Bits - $425.00

Tot. cost $2,431 ÷ 510' = $4.76/foot

Work done in Sec. 30. Work completed August 31, 1973. C.B.E.

HORN PROPERTY

E series of holes

Labor - $222.00

Fuel - $82.25

Bits - $92.00

Sampling - $273.00

Driller - Henderson, T. - Helper - Henderson, G.

ROTARY RIG

Rig Rental - $122.25

Total hole depth 195' 4 3/3" bit

Tot cost 791.5 ÷ 195' = 4.05/foot

Work done in Sec. 36. Work completed August 31, 1973. C.B.E.

HORN PROPERTY

F ~~Series of~~ Holes

Labor - $373.60

Fuel - $80.00

Rig Rental - $380.00

Sampling - $1029.00

Bits - $151.50

Tot. 2,015.50 ÷ 733' = $2.75/foot

TRACK RIG Driller - Waterson - Helper - McNeely

Total hole depth 733' 3" bit

Work done in Sec. 36. Work completed August 31, 1973. CBE.

Total Drill costs ÷ Total footage = cost/foot

$5,238 ÷ 1,438 = $3.64.

R. ROOST

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

✓ county Records for map
I think these
may be
validation
drill holes?
Fox - Evening Star
et -
HRD?

245

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
1	HRD-1	0 - 5	<0.02	<0.2	30	50	25				
2		5 - 10	<0.02	0.6	30	35	25				
3		10 - 15	<0.02	0.2	35	65	30				
4		15 - 20	<0.02	0.6	40	155	30				
5		20 - 25	<0.02	<0.2	35	90	30				
6		25 - 30	<0.02	0.6	40	55	25				
7		30 - 35	<0.02	<0.2	45	55	20				
8		35 - 40	<0.02	0.8	50	150	65				
9		40 - 45	<0.02	1.0	45	125	50				
10		45 - 50	<0.02	1.2	40	105	40				
11		50 - 55	<0.02	1.6	45	75	25				
12		55 - 60	<0.02	0.6	35	90	25				
13		60 - 65	<0.02	0.6	40	75	30				
14		65 - 70	<0.02	0.6	45	110	45				
15		70 - 75	<0.02	0.6	35	105	40				
16		75 - 80	<0.02	0.8	40	90	40				
17		155 - 160	<0.02	<0.2	20	75	15				
18		160 - 165	<0.02	<0.2	25	60	20				
19		165 - 170	<0.02	<0.2	25	70	15				
20		170 - 175	<0.02	<0.2	25	65	15				
21		175 - 180	<0.02	0.8	25	75	35				
22		180 - 185	<0.02	<0.2	20	250	35				
23		185 - 190	<0.02	<0.2	25	135	25				
24		190 - 195	<0.02	<0.2	20	85	25				
25		195 - 200	<0.02	<0.2	25	100	20				
26		200 - 205	<0.02	<0.2	25	50	25				
27		205 - 210	<0.02	<0.2	25	65	15				
28		210 - 215	<0.02	<0.2	25	110	30				
29		215 - 220	<0.02	<0.2	20	45	20				
30		220 - 225	<0.02	<0.2	20	55	15				
31		225 - 230	<0.02	0.6	25	230	25				
32		230 - 235	<0.02	<0.2	20	100	15				
33		235 - 240	<0.02	0.4	20	50	20				
34		240 - 245	<0.02	1.0	30	75	25				
35	HRD-1	245 - 250	<0.02	<0.2	100	75	40				

TO: Sierra Minerals
4741 East Sunrise Drive
Tucson, Arizona 85718

REMARKS:
Trace analysis
Page 1 of 4

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	8/30/73	9/12/73	347854

246

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
36	HRD-1	250 - 255	<0.02	0.8	105	150	60				
37		255 - 260	<0.02	<0.2	60	95	45				
38	HRD-1	260 - 265	<0.02	<0.2	40	80	30				
39	TDC-2	0 - 5	<0.02	<0.2	10	100	45				
40		5 - 10	<0.02	<0.2	10	230	60				
41		10 - 15	<0.02	<0.2	10	275	35				
42		15 - 20	<0.02	0.8	10	115	40				
43		20 - 25	<0.02	0.6	10	700	40				
44		25 - 30	<0.02	<0.2	10	300	40				
45		30 - 35	<0.02	<0.2	10	525	45				
46		35 - 40	<0.02	<0.2	10	415	45				
47	TDC-2	40 - 45	<0.02	<0.2	10	225	35				
48	TDC-3	0 - 5	<0.02	<0.2	10	55	30				
49		5 - 10	<0.02	<0.2	10	70	40				
50		10 - 15	<0.02	<0.2	10	200	40				
51		15 - 20	<0.02	<0.2	10	55	30				
52		20 - 25	<0.02	<0.2	10	260	40				
53		25 - 30	<0.02	0.4	10	140	40				
54		30 - 35	<0.02	0.6	10	315	30				
55		35 - 40	<0.02	0.8	15	180	40				
56		40 - 45	<0.02	0.6	45	365	75				
57	TDC-3	45 - 48	<0.02	0.8	20	185	210				
58	TDC-4	0 - 5	<0.02	0.4	10	250	40				
59	TDC-4	5 - 10	<0.02	0.2	10	35	30				
60	TDC-5	0 - 5	<0.02	<0.2	10	35	35				
61	TDC-5	5 - 10	<0.02	<0.2	10	25	45				
62	TDC-6	0 - 5	<0.02	<0.2	10	15	30				
63	TDC-6	5 - 10	<0.02	<0.2	10	35	40				
64	TDC-7	0 - 5	<0.02	<0.2	10	15	10				
65		5 - 10	<0.02	0.2	5	10	10				
66		10 - 15	<0.02	0.2	5	235	5				
67		15 - 20	<0.02	<0.2	20	25	15				
68		20 - 25	<0.02	<0.2	20	155	20				
69		25 - 30	<0.02	<0.2	15	35	30				
70	TDC-7	30 - 35	<0.02	<0.2	20	125	30				

TO:

REMARKS:

Trace analysis
Page 2 of 4

CERTIFIED BY:

ACCT.: SIERRA MINERALS

DATE REC'D: 8/30/73

DATE COMPL.: 9/12/73

347854

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
1	HRD-2	0-5	<0.02	<0.2	10	40	65
2		5-10	<0.02	0.8	20	65	65
3		10-15	<0.02	1.8	15	55	70
4		15-20	<0.02	<0.2	25	85	80
5		20-25	<0.02	<0.2	30	50	95
6		25-30	<0.02	<0.2	45	45	150
7		30-35	<0.02	<0.2	100	140	155
8		35-40	<0.02	<0.2	40	140	50
9		40-45	<0.02	<0.2	45	65	40
10		45-50	<0.02	<0.2	35	530	40
11		50-55	<0.02	<0.2	30	130	50
12		55-60	<0.02	<0.2	75	100	125
13		60-65	<0.02	<0.2	50	135	155
14		65-70	<0.02	<0.2	50	135	150
15		70-75	<0.02	<0.2	50	140	155
16		75-80	<0.02	<0.2	35	150	145
17		80-85	<0.02	<0.2	30	75	145
18		85-90	<0.02	1.0	45	140	165
19		90-95	<0.02	<0.2	30	70	60
20		95-100	<0.02	<0.2	40	95	110
21		100-105	<0.02	<0.2	35	85	135
22		105-110	<0.02	<0.2	25	75	100
23		110-115	<0.02	<0.2	20	50	95
24	HRD-2	115-120	<0.02	<0.2	20	85	90
25	HRD-3	0-5	<0.02	<0.2	15	90	50
26		5-10	<0.02	<0.2	10	50	45
27		10-15	<0.02	<0.2	10	40	40
28		15-20	<0.02	<0.2	15	195	35
29		20-25	<0.02	<0.2	15	155	15
30		25-30	<0.02	<0.2	15	65	15
31		30-35	<0.02	<0.2	15	180	15
32		35-40	<0.02	<0.2	15	75	20
33		40-45	<0.02	<0.2	25	105	25
34		45-50	<0.02	1.4	15	220	35
35	HRD-3	50-55	<0.02	<0.2	15	160	30

TO:
Sierra Minerals
4741 East Sunrise Drive
Tucson, Arizona 85718

cc: Mr. James A. Briscoe

REMARKS:
Trace analysis
Page 1 of 6

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/5/73	9/28/73	347882

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
36	HRD-3	55-60	<0.02	<0.2	15	110	30				
37		60-65	<0.02	<0.2	15	155	35				
38		65-70	<0.02	<0.2	10	225	25				
39		70-75	<0.02	<0.2	10	125	35				
40		75-80	<0.02	<0.2	10	135	40				
41		80-85	<0.02	<0.2	15	115	40				
42		85-90	<0.02	<0.2	15	150	30				
43		90-95	<0.02	<0.2	10	90	25				
44		95-100	<0.02	<0.2	10	75	20				
45		100-105	<0.02	<0.2	15	65	20				
46		105-110	<0.02	0.2	20	140	20				
47		110-115	<0.02	<0.2	15	135	10				
48	HRD-3	115-120	<0.02	<0.2	10	90	10				
49	E-1	0-5	<0.02	<0.2	30	35	85				
50		5-10	<0.02	<0.2	20	40	80				
51		10-15	<0.02	1.6	40	170	80				
52		15-20	<0.02	<0.2	30	120	75				
53		20-25	<0.02	<0.2	10	545	50				
54		25-30	<0.02	<0.2	5	185	65				
55		30-35	<0.02	1.0	5	275	60				
56		35-40	<0.02	<0.2	5	155	85				
57		40-45	<0.02	<0.2	5	145	115				
58	E-1	45-50	<0.02	<0.2	5	255	85				
59	E-2	0-5	<0.02	<0.2	5	35	75				
60		5-10	<0.02	<0.2	5	45	70				
61		10-15	<0.02	<0.2	5	120	75				
62		15-20	<0.02	<0.2	5	130	65				
63		20-25	<0.02	<0.2	5	55	65				
64		25-30	<0.02	<0.2	5	255	65				
65		30-35	<0.02	<0.2	5	55	75				
66		35-40	<0.02	<0.2	5	205	70				
67		40-45	<0.02	<0.2	5	65	70				
68	E-2	45-50	<0.02	<0.2	5	295	70				
69	E-3	0-5	<0.02	<0.2	20	240	135				
70	E-3	5-10	<0.02	<0.2	35	295	125				

TO:

REMARKS:

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/5/73	9/28/73	347882

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
71	E-3	10-15	<0.02	<0.2	15	380	130				
72		15-20	<0.02	3.4	15	180	180				
73		20-25	<0.02	0.2	10	295	110				
74		25-30	<0.02	0.2	5	545	110				
75		30-35	<0.02	1.2	15	535	265				
76		35-40	<0.02	0.6	45	525	630				
77		40-45	<0.02	1.4	425	415	2000				
78	E-3	45-50	<0.02	1.2	480	880	1425				
79	F-1	0-5	<0.02	<0.2	10	75	70				
80		5-10	<0.02	<0.2	20	115	105				
81		10-15	<0.02	<0.2	5	125	65				
82		15-20	<0.02	<0.2	5	90	65				
83		20-25	<0.02	<0.2	5	145	55				
84		25-30	<0.02	<0.2	5	260	75				
85	F-1	30-35	<0.02	<0.2	10	85	65				
86	F-2	0-5	<0.02	<0.2	5	95	55				
87		5-10	<0.02	<0.2	5	45	50				
88		10-15	<0.02	<0.2	5	230	55				
89		15-20	<0.02	<0.2	5	40	65				
90		20-25	<0.02	<0.2	5	45	65				
91		25-30	<0.02	0.6	5	515	55				
92		30-35	<0.02	<0.2	5	120	50				
93		35-40	<0.02	<0.2	5	140	40				
94		40-45	<0.02	<0.2	5	115	45				
95	F-2	45-50	<0.02	<0.2	5	150	60				
96	F-3	0-5	<0.02	<0.2	5	385	45				
97		5-10	<0.02	<0.2	5	65	40				
98		10-15	<0.02	0.8	5	405	40				
99		15-20	<0.02	<0.2	5	40	25				
100		20-25	<0.02	<0.2	5	155	45				
101		25-30	<0.02	<0.2	5	245	30				
102		30-35	<0.02	<0.2	20	85	65				
103		35-40	<0.02	<0.2	45	315	110				
104		40-45	<0.02	<0.2	5	690	40				
105	F-3	45-50	<0.02	<0.2	5	205	55				

TO:

REMARKS:

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/5/73	9/28/73	347882

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SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
106	F-4	0-5	<0.02	<0.2	5	45	40				
107		5-10	<0.02	<0.2	5	35	50				
108		10-15	<0.02	<0.2	5	385	50				
109		15-20	<0.02	<0.2	5	50	50				
110		20-25	<0.02	<0.2	5	115	30				
111		25-30	<0.02	<0.2	5	80	35				
112		30-35	<0.02	<0.2	5	180	40				
113		35-40	<0.02	<0.2	5	75	50				
114		40-45	<0.02	<0.2	5	110	50				
115	F-4	45-50	<0.02	<0.2	5	315	55				
116	F-5	0-5	<0.02	<0.2	25	60	65				
117		5-10	<0.02	<0.2	25	50	60				
118		10-15	<0.02	<0.2	30	80	60				
119		15-20	<0.02	<0.2	30	125	75				
120		20-25	<0.02	<0.2	30	275	115				
121		25-30	<0.02	<0.2	20	115	55				
122		30-35	<0.02	<0.2	15	170	55				
123		35-40	<0.02	<0.2	10	100	60				
124		40-45	<0.02	<0.2	20	130	65				
125	F-5	45-50	<0.02	<0.2	15	240	50				
126	F-6	0-5	<0.02	<0.2	25	200	70				
127		5-10	<0.02	<0.2	30	55	60				
128		10-15	<0.02	<0.2	25	165	55				
129		15-20	<0.02	<0.2	25	100	65				
130		20-25	<0.02	<0.2	25	60	50				
131		25-30	<0.02	<0.2	20	145	60				
132		30-35	<0.02	<0.2	15	140	60				
133		35-40	<0.02	<0.2	20	115	65				
134		40-45	<0.02	<0.2	20	170	65				
135	F-6	45-50	<0.02	0.4	25	210	55				
136	F-7	0-5	<0.02	<0.2	20	45	50				
137		5-10	<0.02	0.4	15	65	50				
138		10-15	<0.02	<0.2	20	425	55				
139		15-20	<0.02	<0.2	25	185	45				
140	F-7	20-25	<0.02	<0.2	20	145	60				

TO:

REMARKS:

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/5/73	9/28/73	347882

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

251

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
141	F-7	25-30	<0.02	<0.2	20	110	70				
142		30-35	<0.02	0.2	30	130	85				
143		35-40	<0.02	<0.2	25	125	75				
144		40-45	<0.02	<0.2	30	170	75				
145	F-7	45-50	<0.02	2.8	25	70	80				
146	F-8	0-5	<0.02	<0.2	25	185	70				
147		5-10	<0.02	<0.2	45	55	85				
148		10-15	<0.02	<0.2	25	85	75				
149		15-20	<0.02	<0.2	30	60	50				
150		20-25	<0.02	<0.2	35	105	45				
151		25-30	<0.02	<0.2	30	85	85				
152		30-35	<0.02	<0.2	35	80	80				
153		35-40	<0.02	<0.2	25	70	70				
154		40-45	<0.02	<0.2	20	140	70				
155	F-8	45-50	<0.02	<0.2	15	140	65				
156	F-10	0-5	<0.02	<0.2	25	95	70				
157		5-10	<0.02	<0.2	15	50	75				
158		10-15	<0.02	<0.2	5	40	65				
159		15-20	<0.02	<0.2	5	100	65				
160		20-25	<0.02	<0.2	5	70	65				
161		25-30	<0.02	<0.2	5	40	70				
162		30-35	<0.02	<0.2	10	140	75				
163		35-40	<0.02	<0.2	5	45	70				
164		40-45	<0.02	<0.2	10	35	70				
165		45-50	<0.02	<0.2	5	125	75				
166	F-10	50-55	<0.02	0.2	5	45	70				
167	E-4	0-5	<0.02	<0.2	5	110	80				
168		5-10	<0.02	<0.2	5	35	70				
169		10-15	<0.02	<0.2	5	40	70				
170		15-20	<0.02	<0.2	5	145	70				
171		20-25	<0.02	<0.2	5	50	75				
172		25-30	<0.02	<0.2	10	60	75				
173		30-35	<0.02	<0.2	5	125	70				
174		35-40	<0.02	<0.2	5	80	70				
175	E-4	40-45	<0.02	<0.2	5	55	70				

TO:

REMARKS:

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/5/73	9/28/73	347882

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

252

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
176	E-4	45-50	<0.02	<0.2	5	110	75				
177		50-55	<0.02	<0.2	5	45	75				
178		55-60	<0.02	<0.2	5	30	70				
179		60-65	<0.02	<0.2	5	55	70				
180		65-70	<0.02	<0.2	5	40	75				
181		70-75	<0.02	<0.2	5	45	75				
182		75-80	<0.02	<0.2	10	125	80				
183	E-4	80-85	<0.02	<0.2	10	40	80				

TO:

REMARKS:

CERTIFIED BY:

ACCT.: SIERRA MINERALS

DATE REC'D: 9/5/73

DATE COMPL.: 9/28/73

347882

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
1	E-4	85-90	<0.02	<0.2	5	35	70				
2		90-95	<0.02	<0.2	< 5	80	75				
3		95-100	<0.02	<0.2	< 5	45	70				
4		100-105	<0.02	<0.2	< 5	25	70				
5		105-110	<0.02	<0.2	< 5	125	70				
6		110-115	<0.02	<0.2	< 5	50	75				
7		115-120	<0.02	<0.2	< 5	45	65				
8		120-125	<0.02	<0.2	< 5	150	70				
9		125-130	<0.02	<0.2	< 5	45	70				
10	E-4	130-135	<0.02	<0.2	5	80	70				
11	F-9	0-5	<0.02	<0.2	30	65	75				
12		5-10	<0.02	<0.2	20	60	75				
13		10-15	<0.02	<0.2	25	185	80				
14		15-20	<0.02	<0.2	25	85	75				
15		20-25	<0.02	<0.2	30	165	70				
16		25-30	<0.02	<0.2	25	80	75				
17		30-35	<0.02	<0.2	20	235	70				
18		35-40	<0.02	<0.2	10	65	65				
19		40-45	<0.02	<0.2	5	250	75				
20	F-9	45-50	<0.02	<0.2	5	95	80				
21	F-10	55-60	<0.02	<0.2	< 5	50	70				
22	F-11	0-5	<0.02	<0.2	25	700	70				
23		5-10	<0.02	<0.2	25	70	70				
24		10-15	0.03	<0.2	20	840	75				
25		15-20	<0.02	<0.2	10	230	55				
26		20-25	<0.02	<0.2	15	220	65				
27		25-30	<0.02	<0.2	5	310	65				
28		30-35	<0.02	<0.2	5	190	70				
29		35-40	<0.02	<0.2	5	110	75				
30		40-45	<0.02	<0.2	5	130	60				
31	F-11	45-48	<0.02	<0.2	5	410	60				
32	F-12	0-5	<0.02	<0.2	20	225	70				
33		5-10	<0.02	<0.2	20	70	85				
34		10-15	<0.02	<0.2	15	120	70				
35	F-12	15-20	<0.02	<0.2	25	60	80				

TO:
Sierra Minerals
4741 East Sunrise Drive
Tucson, Arizona 85718

cc: Mr. James A. Briscoe

REMARKS:
Trace analysis
Page 1 of 3

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/11/73	10/15/73	347912

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm				
36	F-12	20-25	<0.02	<0.2	30	170	80				
37		25-30	<0.02	<0.2	25	105	80				
38		30-35	<0.02	<0.2	20	140	70				
39		35-40	<0.02	<0.2	25	75	60				
40		40-45	<0.02	<0.2	25	180	70				
41	F-12	45-50	<0.02	<0.2	25	90	70				
42	F-13	0-5	<0.02	<0.2	15	140	65				
43		5-10	<0.02	<0.2	15	65	65				
44		10-15	<0.02	<0.2	20	155	70				
45		15-20	<0.02	<0.2	30	100	85				
46		20-25	<0.02	<0.2	40	80	75				
47		25-30	<0.02	<0.2	30	85	70				
48		30-35	<0.02	<0.2	25	115	65				
49		35-40	<0.02	<0.2	25	95	80				
50		40-45	<0.02	<0.2	35	70	70				
51	F-13	45-50	<0.02	<0.2	45	220	80				
52	TMR-1	0-5	<0.02	<0.2	25	35	255				
53		5-10	<0.02	0.2	30	35	630				
54		10-15	<0.02	0.6	20	100	490				
55		15-20	<0.02	<0.2	10	55	260				
56		20-25	<0.02	<0.2	20	320	320				
57		25-30	<0.02	0.2	20	630	240				
58		30-35	0.06	2.0	5	370	45				
59		35-40	0.43	2.2	25	450	1050				
60		40-45	<0.02	2.0	15	190	650				
61		45-50	<0.02	0.8	15	400	170				
62		50-55	<0.02	0.2	10	140	105				
63		55-60	<0.02	0.2	15	115	185				
64		60-65	<0.02	<0.2	10	360	310				
65		65-70	<0.02	2.4	20	385	570				
66		70-75	0.20	2.2	10	940	200				
67		75-80	0.10	1.0	5	650	45				
68		80-85	<0.02	<0.2	15	110	25				
69	TMR-1	85-90	<0.02	3.2	30	250	350				
70	TMR-RD-1	0-5	<0.02	<0.2	15	120	25				

TO:

REMARKS:
Trace analysis
Page 2 of 3

CERTIFIED BY:

ACCT.: SIERRA MINERALS

DATE REC'D: 9/11/73

DATE COMPL.: 10/15/73

347912

255

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION	Au ppm	Ag ppm	Cu ppm	Pb ppm	Zn ppm
71	TMR-RD-1 5-10	<0.02	<0.2	25	95	80
72	10-15	<0.02	<0.2	10	50	20
73	15-20	<0.02	<0.2	20	245	20
74	20-25	<0.02	<0.2	15	110	25
75	25-30	<0.02	<0.2	10	115	25
76	30-35	<0.02	<0.2	10	145	30
77	35-40	<0.02	<0.2	15	80	25
78	40-45	<0.02	<0.2	15	75	35
79	45-50	<0.02	<0.2	10	140	35
80	50-55	<0.02	<0.2	20	65	35
81	55-60	<0.02	<0.2	20	70	40
82	60-65	<0.02	<0.2	15	130	20
83	65-70	<0.02	<0.2	15	80	30
84	70-75	<0.02	<0.2	15	60	20
85	75-80	<0.02	<0.2	10	125	25
86	80-85	0.05	2.0	10	550	170
87	85-90	<0.02	<0.2	10	85	15
88	90-95	<0.02	<0.2	15	220	25
89	95-100	<0.02	<0.2	15	115	35
90	100-105	<0.02	<0.2	15	170	25
91	105-110	<0.02	<0.2	15	135	25
92	110-115	<0.02	<0.2	20	80	35
93	115-120	<0.02	<0.2	10	90	25
94	120-125	<0.02	<0.2	10	115	20
95	125-130	<0.02	<0.2	10	140	25
96	130-135	<0.02	<0.2	10	230	35
97	135-140	<0.02	<0.2	5	155	25
98	140-145	<0.02	<0.2	10	155	20
99	TMR-RD-1 145-150	<0.02	<0.2	10	150	20
100	T-447	0.04	0.4	10	170	55
101	T-448	0.10	0.2	15	140	185

TO:

REMARKS:

Trace analysis
Page 3 of 3

CERTIFIED BY:

ACCT.: SIERRA MINERALS

DATE REC'D: 9/11/73

DATE COMPL.: 10/15/73

347912

TMR-1973

HOLE #	DATE	TYPE	DEPTH	INCLINATION	BY	LOCATION	
TMR 1	9/73		90	-90°	Sierra	CAB-61	Sect. 28
2	"		"	"	"	CAB-69	Sect. 28
3	"		"	"	"	"	"
4	"		"	"	"	"	"
5	"		"	"	"	"	"
6	"		"	"	"	"	"
7	"		"	"	"	"	"
8	"		"	"	"	"	"
9	"		"	"	"	"	"
TMR 10	"		"	"	"	CAB 92	Sect. 22
MS 1	9/73		71	-45°	"	STATE OF Maine	
2	"		90	"	"	"	
3	"		100	"	"	"	
4	"		100	"	"	"	
5	"		100	"	"	"	
6	"		100	"	"	"	
MS 7	"		?	"	"	"	
TDC	7&8/73	Rotary	400	-90°	Sierra	TDC #1	
TMR 1	9/73	Rotary	608	-90°	"	CAB-43	Sect. 30
P.H. 1	"	"	270	"	"	Fox 6	Sect 17
STIA							
RDH 101	2/1976	Rotary	75?	-90°	Sierra	SKIP SHAFT AREA	
102	3/1976	"	105	"	"	Sec. 29	
103	"	"	105	"	"	Sec 32	
104	"	"	120	"	"	"	
105	"	"	100	"	"	"	
TMR 74			8'			RAY 45	Sect 34
TMR 74-1			98'			RAY 38	Sect. 34
MMCN 8	1952	Diamond	300'	-45°	Newmont	Wide West claim	
DH 1	See claim Map of Humphrey claims 1953				- ?	✓	
2					- ?	✓	

Rotary Rig

Date	Hole No.	Total Depth	Property	Location		Remarks
9-5-73						Altered, Lt. gry. VS for w/inc. pyrite @ 235'
9-18-78	T.M.R. 1	608'	T.M.R.	CAB-42		Chert & [illegible] & dec. py. @ 439 - 500'
						core run 601-608'
9-19-78						Water well test - Water at 130'
9-25-73	P.H. 1	270'	Escapule	Fox 2		Bisbee fm @ 120' - caving at 250-270'
						50-60 gpm blowing at 270'

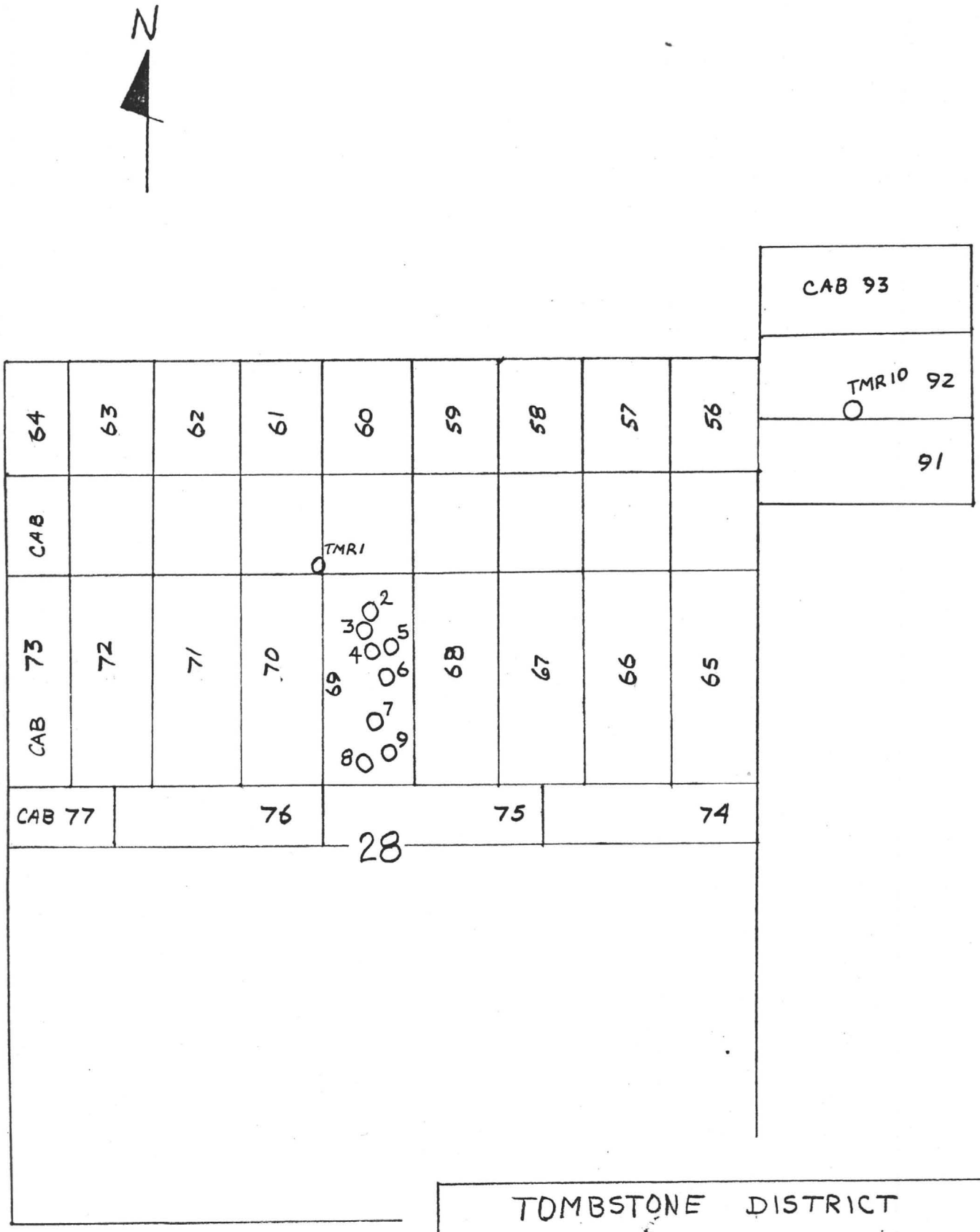
DRILL HOLE NO. TMR-1 TMR PROJECT PAGE
COLLAR ELEVATION Cochise COUNTY. Ariz BY
COORDINATES

BEARING — INCLINATION Vertical SCALE 1" = 100'
DEPTH 608' STARTED 9/5/73 COMPLETED 9/18/73

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
				Rotary 4 3/4" Rockbit	0 — 0-608 US porphyry, very altered most feldspars to clay & sericite some re-xtalization of the groundmass, biotite to chlorite and sericite, from 1% to 5% dissem. Pyrite throughout. as very fine gr. cubes and flakes on fract. surfaces —			
					100			
					200			
					300			
					400 — 435-500 stronger chloritic alt. w/some decrease in Pyrite			
					500			
20%					600 — 608 TD — Core: strong alt., US por ferromags destroyed groundmass qtz-ser. some vugs w/adularia xtals — 2% dissem pyrite, some minor qtz veining			

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE



TOMBSTONE DISTRICT

DRILL HOLE MAP TMR 1-10 Series

SCALE 1" = 1000' DRAWN BY: E. Speer 4/76

SEC 28 T. 20 S., R. 22 E.

126

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Ag ppm	Cu ppm	Pb ppm						
1	TMR-2 Track	0-5	<0.2								
2		5-10	<0.2								
3		10-15	<0.2								
4		15-20	<0.2								
5		20-25	<0.2								
6		25-30	<0.2								
7		30-35	<0.2								
8		35-40	<0.2								
9		40-45	<0.2								
10		45-50	<0.2								
11		50-55	<0.2								
12		55-60	<0.2								
13		60-65	<0.2								
14		65-70	<0.2								
15		70-75	<0.2								
16		75-80	0.2								
17		80-85	0.6								
18	TMR-2 Track	85-90	0.8	45	1400						
19	TMR-3 Track	0-5	<0.2								
20		5-10	<0.2								
21		10-15	<0.2								
22		15-20	0.2								
23		20-25	<0.2								
24		25-30	<0.2								
25		30-35	<0.2								
26		35-40	<0.2								
27		40-45	<0.2								
28		45-50	<0.2								
29		50-55	0.2								
30		55-60	<0.2								
31		60-65	<0.2								
32		65-70	<0.2								
33		70-75	<0.2								
34		75-80	<0.2								
35	TMR-3 Track	80-85	<0.2								

TO:
Sierra Minerals
4741 East Sunrise Drive
Tucson, Arizona 85718

cc: Mr. James A. Briscoe

REMARKS:
Trace analysis

Page 1 of 2

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/17/73	10/16/73	347940

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Ag ppm	Cu ppm	Pb ppm	Zn ppm	Mo ppm				
36	TMR-3 Track	85-90	0.2	15	160						
37	TMR-4 Track	0-5	0.2								
38		5-10	0.2								
39		10-15	<0.2								
40		15-20	<0.2								
41		20-25	0.2								
42		25-30	<0.2								
43		30-35	<0.2								
44		35-40	0.2								
45		40-45	<0.2								
46		45-50	<0.2								
47		50-55	<0.2								
48		55-60	<0.2								
49		60-65	<0.2								
50		65-70	<0.2								
51		70-75	<0.2								
52		75-80	0.2								
53		80-85	0.2								
54	TMR-4 Track	85-90	<0.2	5	80						
55	TMR-RD-1	150-180		15		15	2				
56		180-200		25							
57		200-220		15							
58		220-240		25							
59		240-260		45							
60		260-280		35							
61		280-300		20							
62		300-320		15							
63		320-340		20							
64		340-360		30		30	2				
65		360-380		50							
66		380-400		20							
67		400-420		20		40	4				
68	TMR-RD-1	420-440		15		60	2				

TO:

REMARKS:

Trace analysis

Page 2 of 2

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/17/73	10/16/73	347940

SKYLINE LABS, INC.
Hawley & Hawley, Assayers and Chemists Division
P.O. Box 50106, 1700 W. Grant Rd., Tucson, Arizona 85703

CERTIFICATE OF ANALYSIS

ITEM NO.	SAMPLE IDENTIFICATION		Au ppm	Ag ppm	Cu ppm
1	TMR # 5 Track	0-10	<0.02	8.4	
2		10-20	<0.02	5.2	
3		20-35	<0.02	2.2	
4		35-45	<0.02	2.4	
5		45-60	<0.02	0.6	
6		60-75	<0.02	0.8	
7	TMR # 5 Track	75-90	<0.02	0.2	15
8	TMR # 6 Track	0-30	<0.02	<0.2	
9		30-60	<0.02	<0.2	
10	TMR # 6 Track	60-90	<0.02	<0.2	10
11	TMR # 7 Track	0-20	<0.02	2.0	
12		20-40	<0.02	5.0	
13		40-60	<0.02	0.4	
14		60-75	<0.02	0.8	
15		75-85	<0.02	2.6	
16	TMR # 7 Track	85-90	<0.02	<0.2	35
17	TMR # 8 Track	0-30	<0.02	3.0	
18		30-60	<0.02	3.4	
19	TMR # 8 Track	60-90	<0.02	0.8	35
20	TMR # 9 Track	0-30	<0.02	<0.2	
21		30-55	<0.02	0.8	
22		55-75	<0.02	0.4	
23	TMR # 9 Track	75-90	<0.02	0.2	105
24	TMR #10 Track	0-15	<0.02	7.4	
25		15-30	<0.02	5.0	
26		30-45	<0.02	1.0	
27		45-60	<0.02	0.2	
28		60-75	<0.02	0.4	
29	TMR #10 Track	75-90	<0.02	1.0	55
30	TMR #11 Track	0-10	<0.02	2.8	

TO:
Sierra Minerals
4741 East Sunrise Drive
Tucson, Arizona 85718

cc: Mr. James A. Briscoe

REMARKS:
Trace analysis

CERTIFIED BY:

ACCT.:	DATE REC'D:	DATE COMPL.:	
SIERRA MINERALS	9/18/73	10/5/73	347953

S. M. M. Fox
RANCH 1973

HOLE #	DATE	TYPE	DEPTH	INCLINATION	BY	LOCATION	
TMR 1	9/73		90	-90°	Sierra	CAB-61	Sect. 28
2	"		"	"	"	CAB-69	Sect. 28
3	"		"	"	"	"	"
4	"		"	"	"	"	"
5	"		"	"	"	"	"
6	"		"	"	"	"	"
7	"		"	"	"	"	"
8	"		"	"	"	"	"
9	"		"	"	"	"	"
TMR 10	"		"	"	"	CAB 92	Sect. 22
MS 1	9/73		71	-45°	"	STATE OF Maine	
2	"		90	"	"	"	
3	"		100	"	"	"	
4	"		100	"	"	"	
5	"		100	"	"	"	
6	"		100	"	"	"	
MS 7	"		?	"	"	"	
TDC	7&8/73	Rotary	400	-90°	Sierra	TDC #1	
TMR 1	9/73	Rotary	608	-90°	"	CAB-43	Sect. 30
P.H. 1	"	"	270	"	"	Fox 6	Sect 17
STIA							
RDH 101	2/1976	Rotary	75?	-90°	Sierra	SKIP SHAFT AREA	
102	3/1976	"	105	"	"	Sec. 29	
103	"	"	105	"	"	Sec 32	
104	"	"	120	"	"	"	
105	"	"	100	"	"	"	
TMR 74			8'			RAY 45	Sect 34
TMR 74-1			98'			RAY 38	Sect. 34
MMCN 8	1952	Diamond	300'	-45°	Newmont	Wide West claim	
DH 1	See claim Map of Humphrey claims 1953				- ?	✓	
2					- ?	✓	

Water Well

DRILL HOLE NO. Pilot Hole #1 Maine PROJECT

COLLAR ELEVATION _____ Cochise COUNTY. Ariz

COORDINATES _____

BY _____

BEARING – INCLINATION Vert. SCALE –

DEPTH 270' STARTED _____ COMPLETED _____

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			

0 - 115
US Porphyry

115-270 Varicolored argillite of K-Bisbee formation
130 first dampness and water

Dark ~~grey~~ brown clay abundant 135 - 150 w/water increase

All Bisbee rocks show more or less Limonite paint and dissem. of FeO after pyrite

Color of argillite varies from pale grey-green to dark grey.

abundant water 150 - 270'

Hole bottomed at 270'

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. PH #2 ?? uncertain as to location PROJECT

PAGE 133

COLLAR ELEVATION _____ COUNTY _____ BY _____

COORDINATES _____

BEARING _____ INCLINATION _____ SCALE _____

DEPTH _____ STARTED _____ COMPLETED _____

% Core Recovery	Structure	Alteration	Mineralization	Rock Type

GEOLOGY

0-395

Uncle Sam qtz latite porphyry, Mainly fresh and unaltered w/ scattered bands of alt. and bleaching associated w/ Fe Oxide stain

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

395

Bisbee formation w/ minor pyrite miniz.

415

Dk. Brown Andesite porphyry

CORE ASSAYS

INTERVAL FROM	INTERVAL TO	MINERAL			

SEITA MCAL
STATE OFFSHORE 1973

HOLE #	DATE	TYPE	DEPTH	INCLINATION	BY	LOCATION	
TMR 1	9/73		90	-90°	Sierra	CAB-61	Sect. 28
2	"		"	"	"	CAB-69	Sect. 28
3	"		"	"	"	"	"
4	"		"	"	"	"	"
5	"		"	"	"	"	"
6	"		"	"	"	"	"
7	"		"	"	"	"	"
8	"		"	"	"	"	"
9	"		"	"	"	"	"
TMR 10	"		"	"	"	CAB 92	Sect. 22
MS 1	9/73		71	-45°	"	STATE OF maine	don't have
2	"		90	"	"	"	
3	"		100	"	"	"	
4	"		100	"	"	"	
5	"		100	"	"	"	
6	"		100	"	"	"	
MS 7	"		?	"	"	"	
TDC	7&8/73	Rotary	400	-90°	Sierra	TDC #1	
TMR 1	9/73	Rotary	608	-90°	"	CAB-43	Sect. 36
→ P.H. 1	"	"	270	"	"	Fox 6	Sect 17
STIA							
RDH 101	2/1976	Rotary	75?	-90°	Sierra	SKIP SHAFT AREA	
102	3/1976	"	105	"	"	Sec. 29	
103	"	"	105	"	"	Sec 32	
104	"	"	120	"	"	"	
105	"	"	100	"	"	"	
TMR 74			8'			RAY 45	Sect 34
TMR 74-1			98'			RAY 38	Sect. 34
MMCN 8	1952	Diamond	300'	-45°	Newmont	Wide West claim	
DH 1	See claim Map of Humphrey Claims 1953				- ?	✓	
2					- ?	✓	

ELKO CO.

71-MINERALS
1974 TMR

HOLE #	DATE	TYPE	DEPTH	INCLINATION	BY	LOCATION	
TMR 1	9/73		90	-90°	Sierra	CAB-61	Sect. 28
2	"		"	"	"	CAB-69	Sect. 28
3	"		"	"	"	"	"
4	"		"	"	"	"	"
5	"		"	"	"	"	"
6	"		"	"	"	"	"
7	"		"	"	"	"	"
8	"		"	"	"	"	"
9	"		"	"	"	"	"
TMR 10	"		"	"	"	CAB 92	Sect. 22
MS 1	9/73		71	-45°	"	STATE OF maine	
2	"		90	"	"	"	
3	"		100	"	"	"	
4	"		100	"	"	"	
5	"		100	"	"	"	
6	"		100	"	"	"	
MS 7	"		?	"	"	"	
TDC	7&8/73	Rotary	400	-90°	Sierra	TDC #1	
TMR 1	9/73	Rotary	608	-90°	"	CAB-43	Sect. 36
P.H. 1	"	"	270	"	"	Fox 6	Sect 17
STIA							
RDH 101	2/1976	Rotary	75?	-90°	Sierra	SKIP SHAFT AREA	
102	3/1976	"	105	"	"	Sec. 29	
103	"	"	105	"	"	Sec 32	
104	"	"	120	"	"	"	
105	"	"	100	"	"	"	
TMR 74			8'			RAY 45	Sect 34
TMR 74-1			98'			RAY 38	Sect. 34
MMCN 8	1952	Diamond	300'	-45°	Newmont	Wide West claim	
DH 1	See claim Map of Humphrey claims 1953				- ?	✓	
2					- ?	✓	

DRILL HOLE NO. TMR-74-RD#1 — I ~~believe this to be~~ TMR PROJECT ~~AT#11~~ PAGE 1

COLLAR ELEVATION 4320± Cochise COUNTY. Ariz BY David Cook

COORDINATES SW Cor. Ray 38

BEARING — INCLINATION Vert. SCALE 1" = 10'

DEPTH 90' STARTED 31/July 74 COMPLETED Aug 7, 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					SURFACE			
					Ls. bldrs & cobbles cem. by caliche } 4 3/4" Tricone w/Air			
					CEMENT AT 45' AND 90'			
					STOPPED AT 90' BECAUSE OF CASING			
					Lost circulation possible LS bedrock Approx 90'			
					90			

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

RD #1
HOLE #2
BIT 4 3/4

#2

131

TDC-74 #1

DATE	FOOTAGE	DRILLING REMARKS	DOWN TIME
8-8-74 7/3	80'	HOLE OUT OF GAGE REM F. 75-105 30'	25 min TRUCK CARB. FLOODED
8-9-74 7/3	25'	108-112 SOFTEN UP	
8-12-74 7/3	45'	123-128 " "	
8-13-74 7/3	60'	143-148 " " RED	

CIR AIR.

HOLE 90°

BIT CHANGE
SATER BIT 180' + 35
NEW BIT 15'
NEW BIT 105'
USED BIT 180

PIPE DOWN
1-5
2-30
3-45
4-60
5-75
6-105
7 120
8-135
9-150
10-165
11-180
12-195
13-210
BOTTOM

HOLE 210
CLOSED

DRILL HOLE NO. TMR-74-RD #2 TMP PROJECT

COLLAR ELEVATION 4410± CDSCHEL COUNTY. ALIA

COORDINATES

PAGE 132 1

BY Daniel Cox

BEARING ____ INCLINATION VERT SCALE ____

DEPTH 10 STARTED Aug 14 74 COMPLETED Aug 14, 74

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					SURFACE COBBLES, BOULDERS CEMENTED BY CALICHE. 4¾" TRICONE W/ AIR						

ALTERATION

- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION

- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. 7 MR 20 #3 [illegible] 7 MR [illegible] PROJECT [illegible] PAGE 1
COLLAR ELEVATION 4315± [illegible] COUNTY. [illegible] BY [illegible]
COORDINATES

BEARING ____ INCLINATION VERT SCALE ____
DEPTH 185 STARTED Aug 16, 1974 COMPLETED Aug 22 '74

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					SURFACE BISBEE SER. 9' ARGILLITE (GREY) w/ QUARTZ VEINS CONTAINING TRACES OF FeS_2O MnO SANDSTONES CLAYS - LIGHT BROWN - YELLOW - ALTERED FeS_2O MnO FeO 14 ALTERED ARGILLITE w/ PALE GREEN CLAYS MnO FeS_2O FeO 16 CLAY-LIKE MATERIAL INDICATING PROBABLE FAULT GOUGE 17 ARGILLITE w/ QUARTZ VEINLETS - SUBSTANTIAL AMOUNTS MnO + TRACES OF FeS_2O, Fe 20 FINE-MED GRAIN QUARTZITE w/ SMALL VEINLETS OF FeS_2O + MnO MANGANESE (DAMP) 34 (HARD) QUARTZITE w/ MnO TRACES OF FeO - FeS_2O 37 FINE GRAINED QUARTZITE SUBSTANTIAL AMOUNTS OF MnO w/ TRACES OF FeS_2O (DAMP) 38 FINE GRAIN SANDSTONE (YELLOW) ALTERED SOFT CLAY MINERALS TRACES OF MnO OXIDIZED PYRITE FeO } INCREASE AS CLAY TURNS BROWN FINE GRAIN SANDSTONE 74 SOFT CLAY-MINERALS (BROWN) ALTERED 79 WHITE CLAY FINE GRAINED QUARTZITE } TRACES OF MnO, FeO + FeS_2O						

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. TMR-74 #13 TMR #13 PROJECT PAGE 2
COLLAR ELEVATION 4315± COCHISE COUNTY. ARIZ BY Daniel Cook
COORDINATES

BEARING ____ INCLINATION VERT SCALE ____
DEPTH 185' STARTED Aug 13 '74 COMPLETED Aug 22 '74

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					90 CLAY (ALTERED) w/TRACES OF Mng Fe OXIDE → OXIDIZED PYRITE. White Quartzitic Sandstone			
					100 INCREASE IN Fe OXIDE			
					101 BACK INTO ALTERED CLAY LESSER AMOUNTS OF Fe OXIDE TRACES OF FeS2 OXIDATION. probable fault gouge			
					115 QUARTZ VEINLET w/ Fe OXIDE + OXIDIZED FeS2			
					117 INCREASE IN Fe OXIDE + TRACES OF ~~METAL~~ MANGANESE → FeS2 OXIDATION – RED CLAY –			
					121 WHITE CLAY TRACES OF FeS2 OXIDATION Mng → Fe OXIDE			
					131 QUARTZ VEIN			
					133 SOFT CLAY Fe OXIDE ↓ DECREASE TRACES FeS2 OXIDATION (DAMPER)			
					134 QUARTZ w/ Fe OXIDE			
					135 MnO w/ Fe OXIDE Hit Water 135'			
					145 SUBSTANTIAL AMOUNTS OF MnO AND FeO STAINING DRILL FLUID DARK COLORED – CLAY RICH			
					160 ARKOSIC SANDSTONE INCREASE MnO RED FeO			
					170 FINE - MEDIUM GRAIN SIZE ARKOSIC SANDSTONE CLAYS WHITE · PALE GREEN - BLACK MnO FeO FeS2O			
					183 ARKOSIC SANDSTONE RED (INCREASE IN FeO) MnO FeS2O			

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. IMR-74-RD73 IMR PROJECT

PAGE 3

COLLAR ELEVATION 4315 ± Cochise COUNTY. Ariz

BY Daniel Cook

COORDINATES

BEARING ____ INCLINATION VERT SCALE 1" = 10'

DEPTH 185' STARTED Aug 15, 1974 COMPLETED Aug 22 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					180						
					183 ARKOSIC SANDSTONE						
					RED FeO						
					185 TRACES OF MnO						

ALTERATION

- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION

- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. TMR-74-RD#3 PROJECT TMR PAGE 1

COLLAR ELEVATION 4315 ± COUNTY COCHISE COUNTY, ARIZ BY Daniel Cook

COORDINATES

BEARING ____ INCLINATION VERT SCALE 1"=10'

DEPTH 185 STARTED Aug 15, 1974 COMPLETED Aug 22 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					SURFACE			
					GREY ARGILLITE W/ QUARTZ VIENS CONTAINING TRACES OF FeO + MnO (4¾" TRICONE W/ AIR) BISBEE			
					9 ALTERED SANDSTONE W/ LIGHT BROWN - YELLOW CLAYS FeO, MnO			
					14 ALTERED ARGILLITE W/ PALE GREEN CLAYS FeO, MnO			
					16 CLAY - PROBABLE FAULT GOUGE			
					19 ARGILLITE W/ QUARTZ VIENLETS - SUBSTANTIAL AMOUNTS OF MnO - FeO TRACES			
					20 FINE TO MEDIUM GRAINED QUARTZITE SMALL VIENLETS OF FeO			
					34 HARD QUARTZITE W/ MnO - TRACES OF FeO			
					37 FINER GRAINED QUARTZITE SUBSTANTIAL AMOUNTS OF MnO W/ TRACES OF FeO (DAMP)			
					38 FINE GRAINED YELLOW SANDSTONE W/ CLAY MINERALS			
					ALTERED W/ TRACES OF MnO, FeO INCREASE AS CLAY TURNS BROWN			
					74 FINE GRAINED SANDSTONE WITH BROWN CLAY MINERALS			
					79 FINE GRAINED QUARTZITE W/ TRACES OF MnO + FeO			

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. TMR-74-RO 43 TMR PROJECT

COLLAR ELEVATION 4315 ± Cochise COUNTY. Ariz

COORDINATES

PAGE 2

BY Daniel Cook

BEARING ____ INCLINATION VERT SCALE 1" = 10'

DEPTH 185 STARTED Aug 15 1974 COMPLETED Aug 22, 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					90 WHITE QUARTZITIC SANDSTONE ALTERED w/ CLAY MINERALS, MnO + FeO			
					100 INCREASE IN FeO			
					101 ALTERED CLAYS – LESSER AMOUNTS OF FeO PROBABLY FAULT GOUGE			
					115 QUARTZ VIEN w/ FeO + Fe_2O			
					117 INCREASE IN FeO TRACES OF MnO RED CLAY			
					121 WHITE CLAY – TRACES OF FeO + MnO			
					131 QUARTZ VIEN			
					133 SOFT CLAY – FeO (DAMP)			
					134 QUARTZ W/ FeO			
					135 HIT WATER			
					145 SUBSTANTIAL AMOUNTS OF MnO + FeO STAINING – DRILL FLUID DARK COLOR CLAY-RICH			
					160 ARKOSIC SANDSTONE RED FeO INCREASE IN MnO			
					169 FINE-MED. GRAINED ARKOSIC SANDSTONE			

ALTERATION

- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION

- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

TMR #-3

DATE	FOOTAGE	DRILLING FROM	DOWN TIME	
8-19-74S	19'	HOLE HARDROCK		CIR AIR
8-20-74P	69'	CHANGE 23X15		HOLE 90°
8-20-74S	87'	34'-GRAY/M		BIT CHANGE
8-21-74S		37- BLACK/S-WET		START BIT 105 + 17
		38- GRAVEL YELLOW/S		USED BIT 19'
		-		NEW BIT 88'
		74 BROWN/S		NEW BIT 172
		131 WHIT/M		PIPE DOWN
		133 PINK/S		1-15
		134 PINK/M		2-30
				2-45
				4-60
				5-75
				6-90
				7-105
				8-120
				9-135
				10-150
				11-165
				12-180

180
HOLE 185
CLOSED

DRILL HOLE NO. TMR-74-RD #4 PROJECT TMR PAGE 1

COLLAR ELEVATION 4315 ± COUNTY COCHISE ARIZ BY Daniel Cook

COORDINATES

BEARING ____ INCLINATION VERT SCALE 1" = 10

DEPTH 32 STARTED Aug 22 1974 COMPLETED Aug 26, 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					SURFACE						
					COBBLES, BOULDERS + SAND 4 3/4" TRICONE W/ AIR						
					10 RED SAND STONE FRAG.						
					13 BEDROCK - RED SANDSTONE W/ QUARTZ VIENLETS FeO + MnO						
					18 QUARTZ VIEN						
					19 FAULT GOUGE						
					20 GREEN ARGILLACEOUS QUARTZITE W/ TRACES OF MnO + FeO						
					28 INCREASE OF RED FeO						
					30 QUARTZITE W/ FeO TRACES OF MnO						
					32 PULL OUT - TO HARD						

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. TMR 74 #4 TMR (RD) PROJECT PAGE 1

COLLAR ELEVATION 4315± COCHISE COUNTY. ARIZ BY DANIEL COOK

COORDINATES

BEARING INCLINATION VERT SCALE

DEPTH 32 STARTED Aug 22, 1974 COMPLETED Aug 26, 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					SURFACE						
					COBBLES, BOULDERS + SAND						
					10 BISBEE – RED SANDSTONE FRAG						
					13 BEDROCK – RED SANDSTONE w/ w/ QUARTZ VIENLETS MnO + FeO						
					18 QUARTZ VIEN						
					FAULT GOUGE						
					20 GREEN ARGILLACEOUS QUARTZITE w/ TRACES OF MnO, FeO, Fe_2S_2O						
					28 INCREASE FeO + Fe_2S_2O						
					30 QUARTZITE w/FeO TRACES OF MnO + Fe_2S_2O						
					32						

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

TMR #4
139

DATE	FOOTAGE	D.R.	DT	
26-74 7/	28'	0-10 O.B. RED/S		CIR-AIR
-27-74 7/		10-13 [illegible]/S		HOLE 90°
		13-15 [illegible]/S		BIT CHANGE
		18'- GREEN/S		STARTER 13' (38)
		20 GREEN/NH		NB 25'
				PIPE DOWN
				1-15
				2-30

HOLE BOTTOM 31 FOOT

CLOSED

DRILL HOLE NO. TMR-74 #5 TMR (RD) PROJECT

COLLAR ELEVATION 4310± COCHISE COUNTY. Ariz

COORDINATES

BY Daniel Cook

BEARING ____ INCLINATION VERT SCALE ____

DEPTH ____ STARTED Aug 27, 1974 COMPLETED ____

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY
					SURFACE
					UNCONSOLIDATED SANDS 4 3/4 TRICONE ROTARY DRILL W/ AIR.
					18 ARGILLICEOUS BOULDERS.
					19 UNCONSOLIDATED SANDS
					32 UNCLE SAM PORPH UNALTERED
					38 ALTERED YELLOW VIEN W/ CLAY MINERALS + FeO TRACES OF MnO
					39 ALTERED RED VIEN W/ FeO TRACES OF MnO
					40 UNCLE SAM PORPH
					42 ALTERED YELLOW VIEN W/ CLAY MINERALS + FeO TRACES OF MnO
					48 ALTERED RED VIEN W/ CLAY MINERALS + FeO TRACES OF MnO
					65 FEWER CLAY MINERALS - ALTERED UNCLE SAM PORPH.
					73 UNCLE SAM PORPH ALTERED ~ RED-BROWN COLOR - FeO, TRACES OF MnO
					77 UNCLE SAM DECREASE IN ALTERATION
					80 ALTERED - YELLOW W/ CLAY MINERALS + FeO
					81 UNALTERED UNCLE SAM PORPH
					82 ALTERED YELLOW W/ CLAY MINERALS + FeO
					83 UNALTERED UNCLE SAM
					86 ALTERED YELLOW W/ CLAY MINERALS + FeO TRACES OF MnO
					98 ALTERED WHITE ~~W/ TRACES~~ OF FeO
					102 ALTERED BROWN-YELLOW W/ CLAY MINERALS + FeO TRACES OF MnO
					104 ALTERED GREY-BROWN W/ CLAY MINERALS + FeO

ALTERATION

- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION

- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

CORE ASSAYS

INTERVAL FROM	INTERVAL TO	MINERAL			

DRILL HOLE NO. TMR-74 #5 TMR PROJECT PAGE 2
COLLAR ELEVATION 4310 ± COCHISE COUNTY. AZ BY Daniel Cook
COORDINATES

BEARING ____ INCLINATION VERT SCALE ____
DEPTH 500' STARTED Aug 27, 1974 COMPLETED Aug 13, 74

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					105 ALTERED GREY-BROWN W/ CLAY MINERALS + FeO (MORE CONSOLIDATED) TRACES OF MnO						
					109 ALTERED YELLOW - W/ CLAY MINERALS AND FeO						
					113 ALTERED GREY - BROWN W/ CLAY MINERALS + FeO (MORE CONSOLIDATED) TRACES OF MnO						
					118 ALTERED YELLOW W/ CLAY MINERALS + FeO						
					126 ALTERED GREY - BROWN W/ CLAY MINERALS + FeO MORE CONSOLIDATED TRACES OF MnO						
					146 MUD BALLS - CAVING (~~YELLOW~~) ALTERED CLAY MINERALS						
					150 USE 4 3/4 TRICONE W/ MUD GEL (BENTONITE)						
					156 ALTERED RED CLAY MINERALS W/ FeO						
					175 ALTERED UNCLE SAM PORPHYRY OXIDIZED YELLOW ORANGE + BROWN LIMONITE-AFTER PYRITE						
					210 SAME W/ GRADUALLY INCREASING AMOUNTS OF GREY, FINE GRAINED SiO_2 PROBABLY INDICATING AN INCREASE OF SILICIFICATION - SOME DECREASE IN PYRITE ALSO NOTED A CORRESPONDING INCREASE IN DARK RED LIMONITE AFTER PYRITE						
					225 SAME NO SIGN OF FRESH PYRITE						
					396 FRESH PYRITE IN ALTERED U.S. SAME SMALL FLECKS LOCKED IN SiO_2 SMALL FLAKES LOCKED IN SiO_2						
					INCREASE IN FRESH FeS 500'						

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

ARC-1

TRK 7 4
144

DATE	FOOTAGE	D.R.	D.T.
8-28-74/7/330	105	18' BR. /H HARD	30 MINS 9-10-74 clean fuel pump on RIG
8-29-74/7/330	45	19' SAND/S	
8-30-74/7/3	45	32 FRAC/M	
9-74/7/3	45	38' YELL/S	
9-4-74/7/3	45	39 - RED/S	
9-5-74/7/300	90	49 YELL/VS	
9-6-74/7300	30-5	46 - BRO/S	
9-74/7-330	30+5	48 - RED/S	
9-10-74/7/3	20	65 SAND/S	
9-11-74/7/3	45	235 - RED/S	
9-12-74/7/3 -	5	245 GRAY G/S	

500'
CLOSED

CIR-AIR
HOLE 90°
BIT CHANGE
STATER BIT 38'
NO 18'
NO 195'
NO 420'

PIPE DOWN

1-15
2-30
3-45
4-60
5-75
6-90
7-105
8-120
9-135
10-150
11-165
12-180
13-195
14-210
15-225
16 240
17-255
18-270
19-285
20 300
21 315
22 330
23-345
24-360
25 375
26-390
27-405
28 420
29 435
30-450
31. 465
32-480
33-495
+ 5'
500

DRILL HOLE NO. TMR-74-D-76 TMR PROJECT

COLLAR ELEVATION 4000± COUNTY. ABIJ

COORDINATES

BY Daniel Orb

PAGE 1 145

BEARING ____ INCLINATION VERT SCALE 1"=10'

DEPTH ____ STARTED SEPT 16 74 COMPLETED ____

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					SURFACE			
					ALTERED UNCLE SAM PORPHYRY w/ OXIDIZED PYRITE + TRACES OF MnO (BROWN IN COLOR) CLAY MINERALS PRESENT			
					30' LESS ALTERATION IN U.S. BECOMES GREEN - FeS_2O + TRACES OF MnO			
					50' INCREASE OF IRON OXIDES			
					55 - SiO_2 VEINLETS WITH OXIDES - MnO TRACES			
					56 - HARDER - LESS ALTERATION (GREEN COLOR) VACANT FeS_2O CUBES WITH ~~w/ [illegible]~~			
					Fe_2O_3 REPLACING FeS_2O CUBES SiO_2 VIENLETS w/ Fe_2O_3 + MnO INCREASING FeS_2O			
					97 - CLAY MINERALS INDICATING FRACTURE FAULT GOUGE			

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. TMR-74-RD #6 TMR PROJECT

COLLAR ELEVATION 4500± Cochise COUNTY. Ariz

COORDINATES

PAGE 1 (146)

BY Daniel Cook

BEARING ____ INCLINATION VERT. SCALE 1" = 10'

DEPTH 105 STARTED Sept 11 '74 COMPLETED Sept 27 '74

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					SURFACE			
					ALTERED UNCLE SAM PORPHYRY w/ OXIDIZED PYRITE + TRACES OF MnO (BROWN IN COLOR) CLAY MINERALS PRESENT			
					4 3/4" TRICONE w/ MnO			
					30 LESS ALTERATION IN U-S. BECOMES GREEN - FeS_2O + TRACES OF MnO			
					50 INCREASE IN Fe OXIDES			
					55 / 56 SiO_2 VIENLETS w/ FeS_2O - MnO TRACES HARDER - LESS ALTERATION GREEN COLOR VALANT FeS_2O CUBES VISIBLE			
					Fe_2O_3 REPLACING FeS_2O CUBES SiO_2 VIENLETS w/ Fe_2O_3 + MnO INCREASING FeS_2O + CLAY MINERALS			

ALTERATION: SERICITE, KAOLIN, SILICA, CHLORITE, GARNET, SERPENTINE

MINERALIZATION: PYRITE, CHALCOPYRITE, CHALCOCITE, MOLYBDENITE, MAGNETITE, GALENA, SPHALERITE, SPECULARITE

RD 1 147

TNR-74 #6

DATE	FOOTAGE	DR	DT
9-17-74 Base	25'	1 BIT 40' CUTTER (L.U.)	3 DAYS KELLY B.
9-23-74 Base	20'	1 BIT 5' CUTTER (L.U.)	
9-24-74 17-3	15'	76' VH MORE BROWN	
9-25-74 17-3	30'	85' H MORE BROWN QURT.	
9-26-74 17-3	15'	88' S	
9-27-74 17-		90' - H	

CIR AIR-30' FL.

HOLE 90°

BIT CHANGES

SB 80 + U

NB-15 ← CUTTER LOCKED T 40'

NB-60 - CUTTER LOCKED T 5'

UB 90 -

NB-105

PIPE DOWN

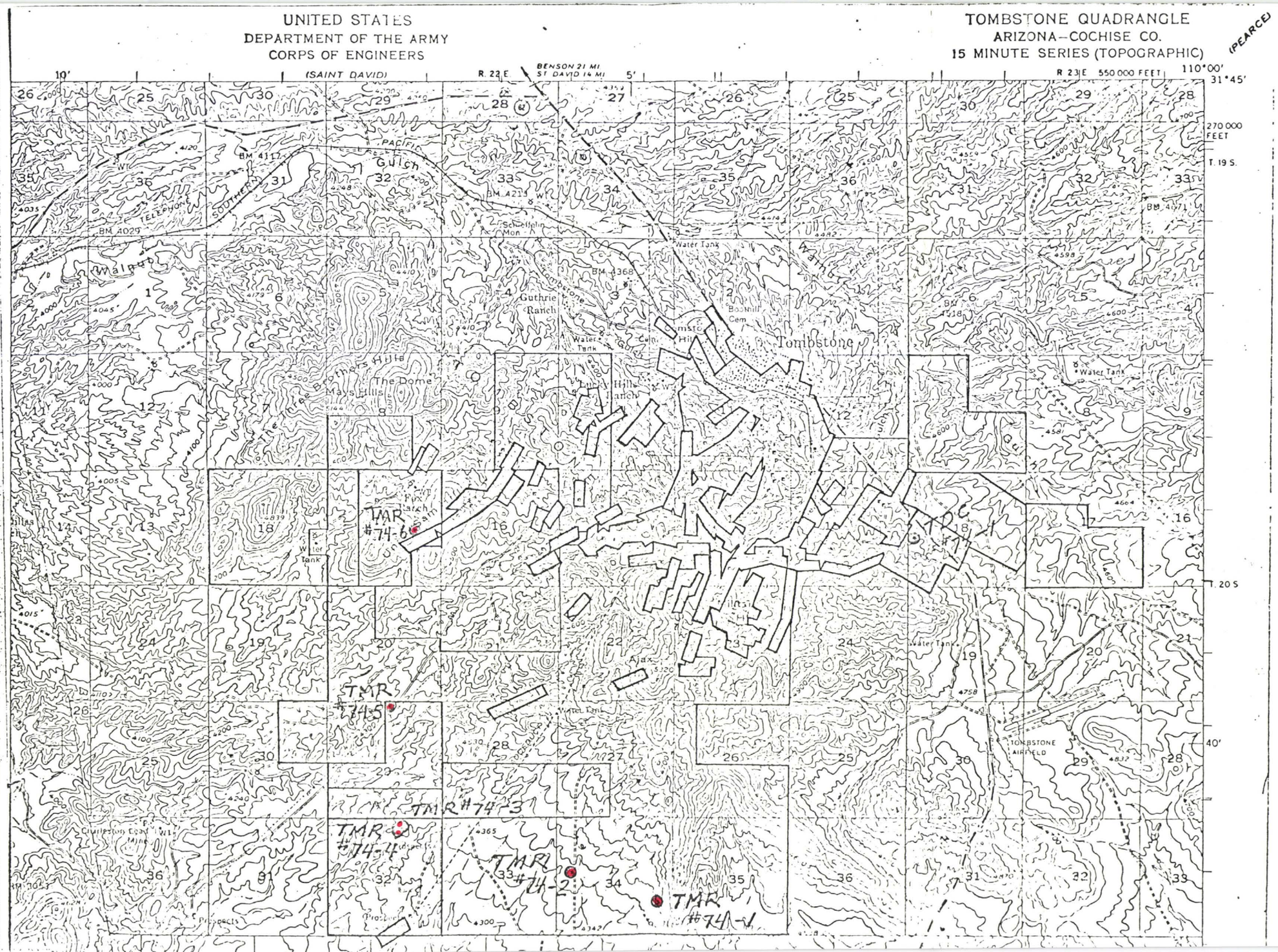
1-15
2-30
3-45
4-60
5-75
6-90
7 105

CLOSED TEMP.

LOCATION MAP
OF SIERRA MIN
MAG. T.M.R DRILL
HOLES

Hole Location Map

Drill Hole ●



SIERRA MUN.
1974 TOC

HOLE #	DATE	TYPE	DEPTH	INCLINATION	BY	LOCATION	
TMR 1	9/73		90	-90°	Sierra	CAB-61	Sect. 28
2	"		"	"	"	CAB-69	Sect. 28
3	"		"	"	"	"	"
4	"		"	"	"	"	"
5	"		"	"	"	"	"
6	"		"	"	"	"	"
7	"		"	"	"	"	"
8	"		"	"	"	"	"
9	"		"	"	"	"	"
TMR 10	"		"	"	"	CAB 92	Sect. 22
MS 1	9/73		71	-45°	"	STATE OF maine	
2	"		90	"	"	"	
3	"		100	"	"	"	
4	"		100	"	"	"	
5	"		100	"	"	"	
6	"		100	"	"	"	
MS 7	"		?	"	"	"	
	— this may be 1974 & NOT 1973						
TDC	7/8/~~74~~3	Rotary	400	-90°	Sierra	TDC #1	probably 30
TMR 1	9/73	Rotary	608	-90°	"	CAB-43	Sect. 36
P.H. 1	"	"	270	"	"	Fox 6	Sect 17
STIA							
RDH 101	2/1976	Rotary	75?	-90°	Sierra	SKIP SHAFT AREA	
102	3/1976	"	105	"	"	Sec. 29	
103	"	"	105	"	"	Sec 32	
104	"	"	120	"	"	"	
105	"	"	100	"	"	"	
TMR 74			8'			RAY 45	Sect 34
TMR 74-1			98'			RAY 38	Sect. 34
MMCN 8	1952	Diamond	300'	-45°	Newmont	Wide West claim	
DH 1	See claim Map of Humphrey claims 1953				- ?	✓	
2					- ?	✓	

DRILL HOLE NO. TDC-74-RD-41 TDC PROJECT Same drillhole As Previous PAGE 1 121

COLLAR ELEVATION 4670± COCHISE COUNTY ARIZONA BY Log

COORDINATES

BEARING ____ INCLINATION VERT SCALE ____

DEPTH ____ STARTED 7/Aug/74 COMPLETED ____

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					SURFACE ALTERED FRAGMENTS + KAOLIN PYRITE OXIDIZED 8' GREEN ARKOSE BEDROCK GREEN ARKOSE → W/ PYRITE OXIDIZED → 13' DARK GREY QUARTZITE SMALL QUARTZ VEINS			See TMR DRILL HOLE MAP
			NEW BIT	15				
					23' QUARTZ (ARKOSE) (QUARTZITE) 31' W/OXIDIZED PYRITE 34' GRANODIORITE QUARTZ (ARKOSE)			
					44'			
					TRACE AMOUNTS OF OXIDIZED PYRITE GREY-GREEN ARGELLITE 58 W/ MINOR QUARTZ VIENLETS 60 PALE GREY-GREEN SANDSTONE TRACES OF MANGANESE-OXIDE → GREY-GREEN ARKOSE 69 QUARTZITE-GREY 72 ARGILLITE W/SMALL VIENS 80 CLAYS WITH PYRITE OXIDIZED ALTERATION SILICA VEINLETS OXIDIZED PYRITE BIOTITE ALTERNATINGS THIN BEDS OF ARGILLITE AND QUARTZITES COLOR: VARYING FROM PALE GREEN TO DARK GREY CONTACT			
			REEMED		81' GRANODIORITE BIOTITE QUARTZ FELDSPAR OXIDIZED PYRITE LAYERS OF ALTERNATING SILICIFIED SED. AND QUARTZ MONZONITE			
					100 PRESENCE OF CLAY FRAG. INDICATION PROBABLE SMALL FAULT			
		NEW BIT	FLT	105	ALT. GRANODIORITE + SILICIFIED ALT. SED			
					108 ALT. GRANODIORITE 112 SILICIFIED SED 123 ALT GRANODIORITE 129 SILICIFIED SED ALT GRANODIORITE + SILICIFIED SED. CLAYS W/ OXIDIZED PYRITE + SILICA VIENLETS OCCURRING INDICATING CONTACTS POSSIBLE DRILLING ALONG CONTACT			

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. TDC #1-74 PROJECT TDC PAGE 2 122

COLLAR ELEVATION [illegible] COUNTY. [illegible] BY DC

COORDINATES

BEARING ____ INCLINATION VERT SCALE ____

DEPTH 210 STARTED ____ COMPLETED Aug 13, 74

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL
					130			
					143 GRANODIORITE, SLIGHT INCREASE IN OXIDIZED PYRITE			
					168 SILICIFIED SED PALE GREY GREEN → BLACK ARGILLITE			
					↓ 170 INCREASE GREENER COLOR TRACES OF MANGANESE			
					174 QUARTZITE CLAY-SIZE (WHITE)			
					INCREASE IN GRAIN SIZE (QUARTZITE) TRACES of OXIDIZED PYRITE			
					183 GREY - BLACK SILICIFIED SED (ARGILLITE)			
					193 PALE GREY-GREEN (ARGILLITE) SILICIFIED SED.			
					196 GREY ARGILLITE			
					199 CLAY (WHITE - QUARTZY) ↓ GRADES INTO 203 COARSER GRAINED QUARTZITE CLAY COARSE } ENERGY CONDITIONS IN CHANGING ENVIR.			
					207 CLAY w/ OXIDIZED PYRITE			
					209 PALE GREY-GREEN - BLACK ARGILLITE			
					210 CAP OFF			

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

DRILL HOLE NO. TDC 74 - RD-71 TDC PROJECT

COLLAR ELEVATION 4670 ± Cochise COUNTY. ARIZONA

COORDINATES

PAGE 1 123

BY David Cook

BEARING ____ INCLINATION VERT SCALE 1" = 10'

DEPTH 260 STARTED Aug 7, 1974 COMPLETED Aug 13, 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					SURFACE						
					ALTERED FRAGMENTS 4¾ TRICONE W/ AIR						
					8' BEDROCK GREEN ARKOSE ~ w/ OXIDIZED PYRITE.						
					13' DARK GREY QUARTZITE w/ SMALL QUARTZ VIENS						
					23' ARKOSE, QUARTZITE w/ OXIDIZED PYRITE						
					31' GRANODIORITE						
					34' ARKOSE						
					44' GREY-GREEN ARGELLITE w/ MINOR QUARTZ VIENLETS - TRACE AMOUNTS OF OXIDIZED PYRITE.						
					58' PALE GREY-GREEN SANDSTONE w/ TRACES OF MANGANESE OXIDE						
					60' GREY-GREEN ARKOSE						
					69' GREY-QUARTZITE						
					72' ARGILLITE w/ SMALL VIENLETS OF QUARTZ						
					ALTERATION, SILICA VIENLETS						
					80' CLAY w/ OXIDIZED PYRITE						
					81'						
					GRANODIORITE OXIDIZED PYRITE BIOTITE QUARTZ FELDSPAR (PLAGIOCLASE)						
					90						

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

ALTERNATING THIN BEDS OF ARGILLITES AND QUARTZITES COLOR - VARYING FROM PALE GREEN TO DARK GREY.

CONTACT

ALTERNATING LAYERS OF SILICIFIED SED. + QUARTZ MONZONITE

DRILL HOLE NO. TDC '74-RD-#1 TDC PROJECT PAGE 2

COLLAR ELEVATION 4670 ± Cochise COUNTY. ARIZONA BY Daniel Cook

COORDINATES

BEARING ____ INCLINATION VERT SCALE 1" = 10'

DEPTH 210 STARTED Aug 7, 1974 COMPLETED Aug 13, 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					90 GRANODIORITE						
					100 CLAY FRAG - INDICATION OF PROBABLE SMALL FAULT ~ ALTERNATING GRANODIORITE AND SILICIFIED ALTERED SEDIMENTS						
					105						
					104 ALTERED GRANODIORITE						
					112 SILICIFIED SED. (ARGILLITE)						
					123 ALTERED GRANODIORITE						
					128 SILICIFIED SED. (ARGILLITE)						
					143 ALTERED GRANODIORITE W/ SLIGHT INCREASE IN OXIDIZED PYRITE						
					168 SILICIFIED SED (ARGILLITE) PALE GREY-GREEN — BLACK						
					170 INCREASE IN GREEN ARGILLITE TRACES OF MANGANESE						
					174 QUARTZITE (WHITE) FINE GRAIN ↓ INCREASE IN GRAIN SIZE OF QUARTZITE TRACES OF PYRITE.						

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

ALTERNATING GRANODIORITE AND ARGILLITE — CLAYS W/ OXIDIZED PYRITE AND SILICA ALONG VEINLETS MAY INDICATE THAT DRILL HOLE IS ALONG CONTACT.

DRILL HOLE NO. TDC #1 RD-#1 PROJECT TDC

COLLAR ELEVATION 4670± COUNTY. COCHISE ARIZONA

COORDINATES

BY Daniel Cook

PAGE 3 125

BEARING INCLINATION VERT SCALE 1" = 10'

DEPTH 210 STARTED Aug 7, 1974 COMPLETED Aug 13, 1974

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY	CORE ASSAYS INTERVAL FROM	TO	MINERAL			
					180						
					183 GREY-BLACK SILICIFIED SED (ARGILLITE)						
					193 PALE GREY-GREEN ARGILLITE						
					196 GREY ARGILLITE						
					199 FINE GRAINED QUARTZITE						
					202 COARSER GRAINED QUARTZITE						
					FINE " "						
					COARSE " "						
					207 CLAY W/ OXIDIZED PYRITE						
					209 PALE GREY-GREEN-BLACK ARGILLITE						
					210						

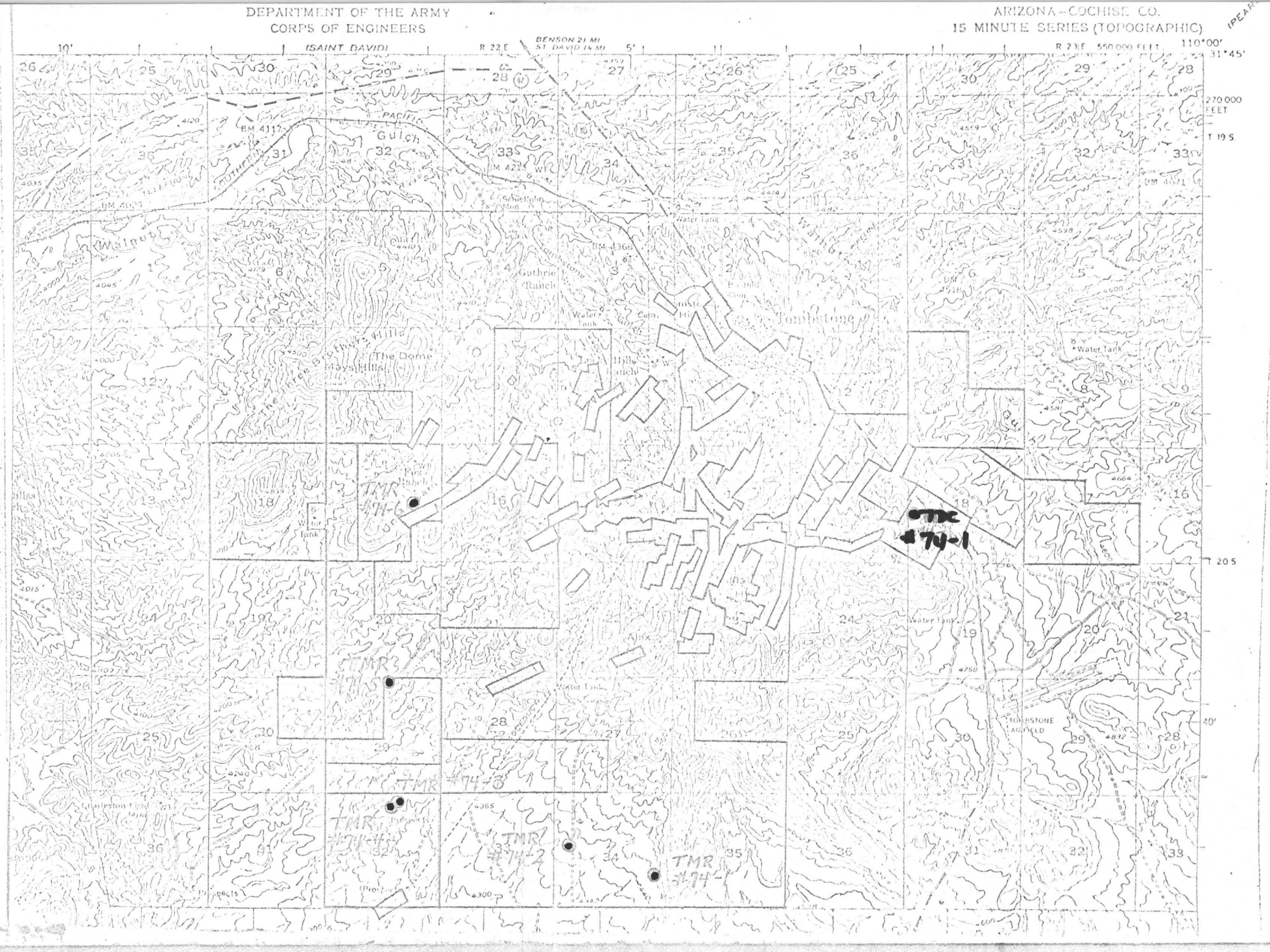
CHANGING ENERGY CONDITIONS

ALTERATION
- SERICITE
- KAOLIN
- SILICA
- CHLORITE
- GARNET
- SERPENTINE

MINERALIZATION
- PYRITE
- CHALCOPYRITE
- CHALCOCITE
- MOLYBDENITE
- MAGNETITE
- GALENA
- SPHALERITE
- SPECULARITE

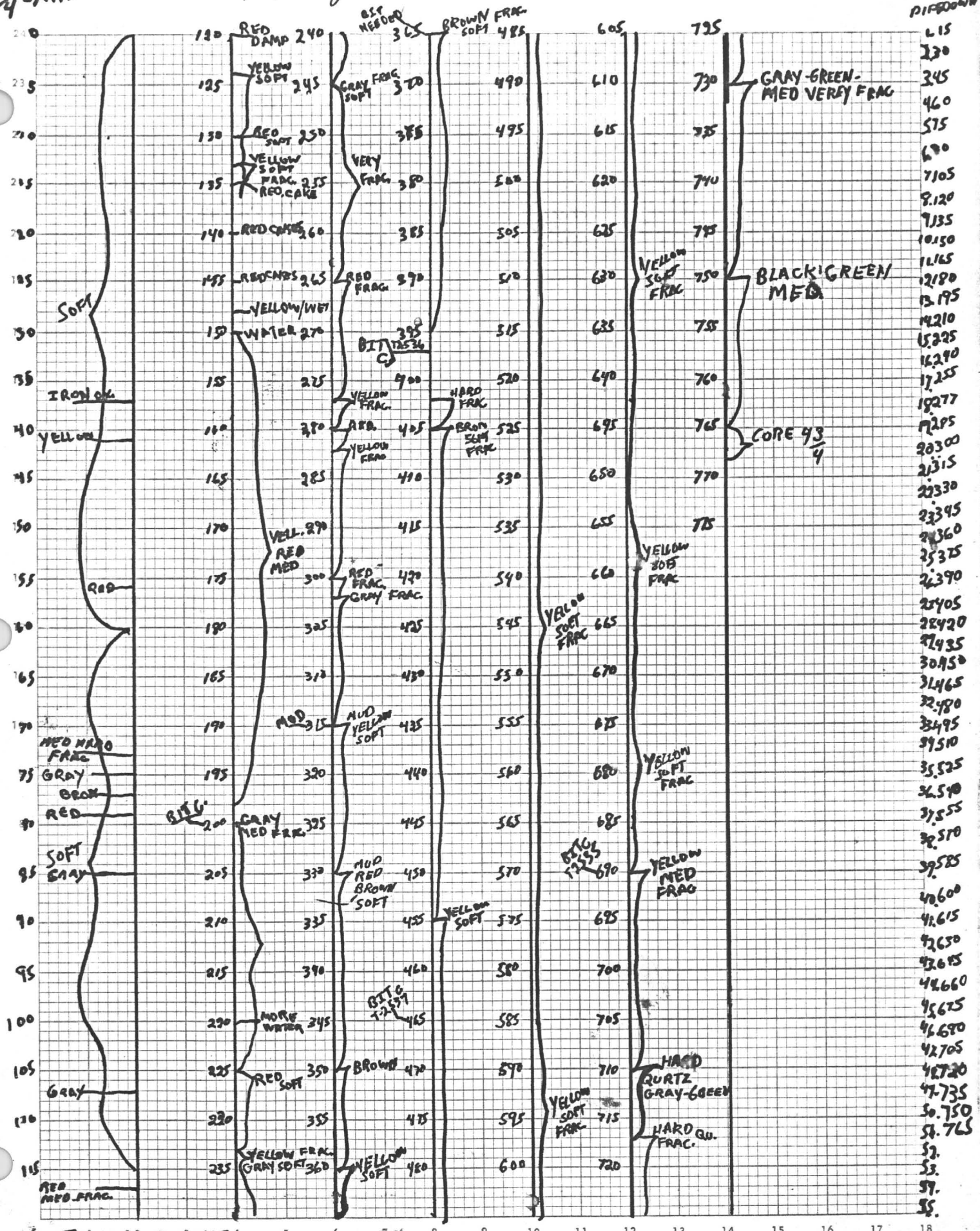
HOLE LOCATION MAP

DRILL HOLE



TMP-1975

START-8-18-75 -
CAB-#1-75
90°-4¾-AIR. 315'-MUD- ~~Probably Frac~~



BOTTOM
T68

FOX ADAMS 1975

DRILL HOLE NO. Fox #1-75 TEHAPCHI PROJECT

PAGE 149 1

COLLAR ELEVATION ±4397 COUNTY. BY

COORDINATES

BEARING INCLINATION VERT SCALE

DEPTH 175' STARTED 8/15/75 COMPLETED 8-18/75

% Core Recovery	Structure	Alteration	Mineralization	Rock Type	GEOLOGY
					SURFACE
					8' BEDROCK
					11' GOUGE
					3/4" TRICONE ROTARY
					20
					UNCLE SAM PORPHYRY ALTERED (QUARTZ LATITE)
					40
					58 SOFT GOUGE - PROBABLY FAULT
					60
					ALTERED
					MODERATE AMOUNTS OF FeO & MnO
					80
					100
					120
					140
					144 WATER
					160
					175 STOP
					180

ALTERATION

	SERICITE
X	KAOLIN
X	SILICA
X	CHLORITE
	GARNET
	SERPENTINE

MINERALIZATION

	PYRITE
	CHALCOPYRITE
	CHALCOCITE
	MOLYBDENITE
	MAGNETITE
	GALENA
	SPHALERITE
	SPECULARITE

CORE ASSAYS

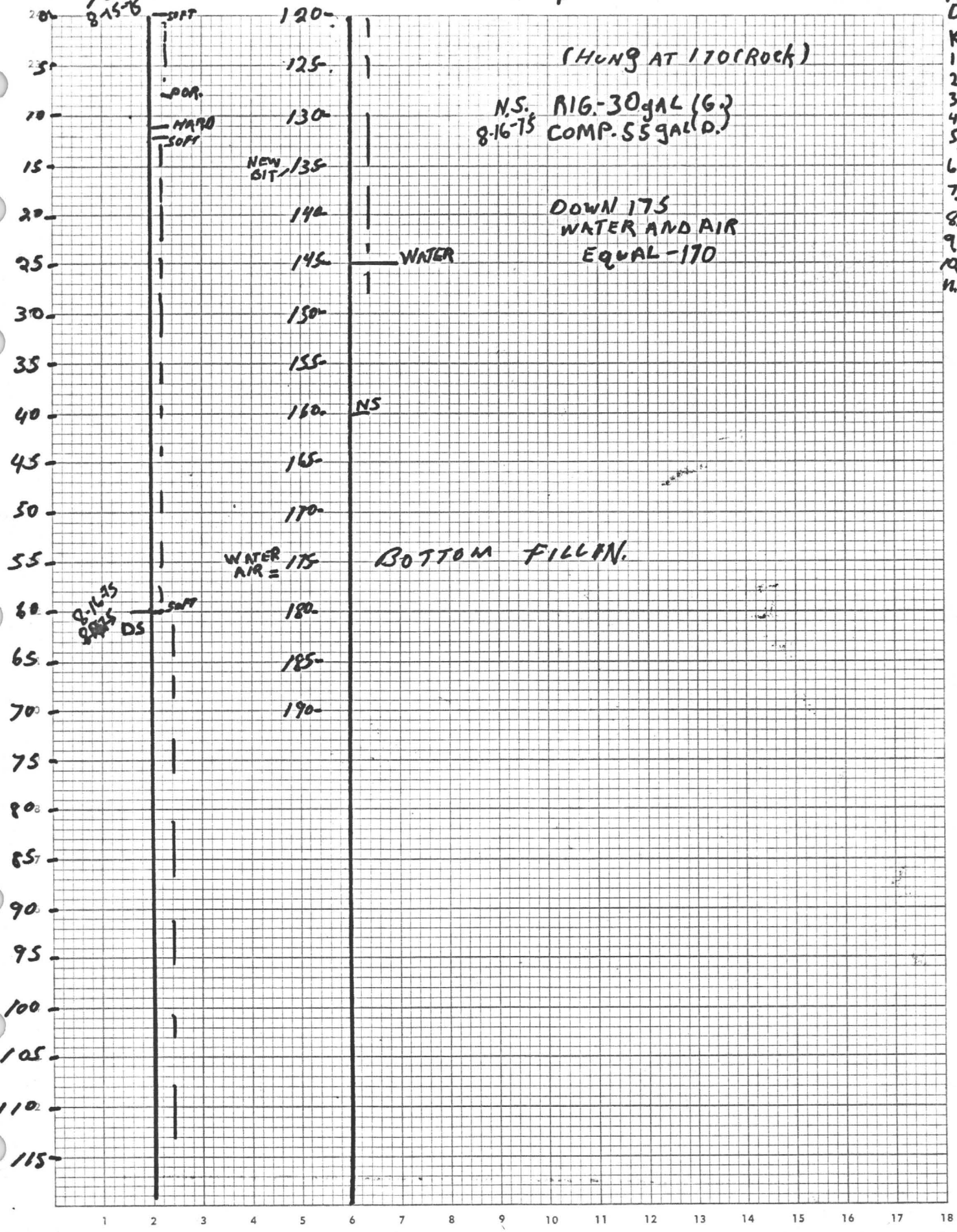
INTERVAL FROM	INTERVAL TO	MINERAL			

Aug. 15-75
FOX #1-75
90° - AIR

BIT. 4 3/4 START 60+
NEW 135

COMP. TIME
8-15-75 S184854
FIB 5739
8-16-75 S1693-1

PIPE DOWN
K. 15
1.30
2.45
3.60
4.75
5.90
6.105
7.120
8.135
9.150
10.165
11.



DRILLING REM.

8-18 DRILLING GOOD

8-19 TOP HOLE WASH.

SET APOX. 10'-6" OD CASEING

CORE APOX 3½' PLUGED IT

DOWN TIME

8-19- 2hr KELLEY YOKE

8-20 3hr ELECT. SHORT IN RIG.

8-22- 20 min SWIVEL PACKING.

8-23-8-26. SWIVEL BEARINGS-OUT-REPLACED

LAND CONTROLLED BY SIERRA METALS

TMR UNPATENTED CLAIMS; RAY, STAR & CAB GROUPS

TDC UNPATENTED CLAIMS; TDC #1-18

ESCAPULE UNPATENTED CLAIMS; FOX GROUP

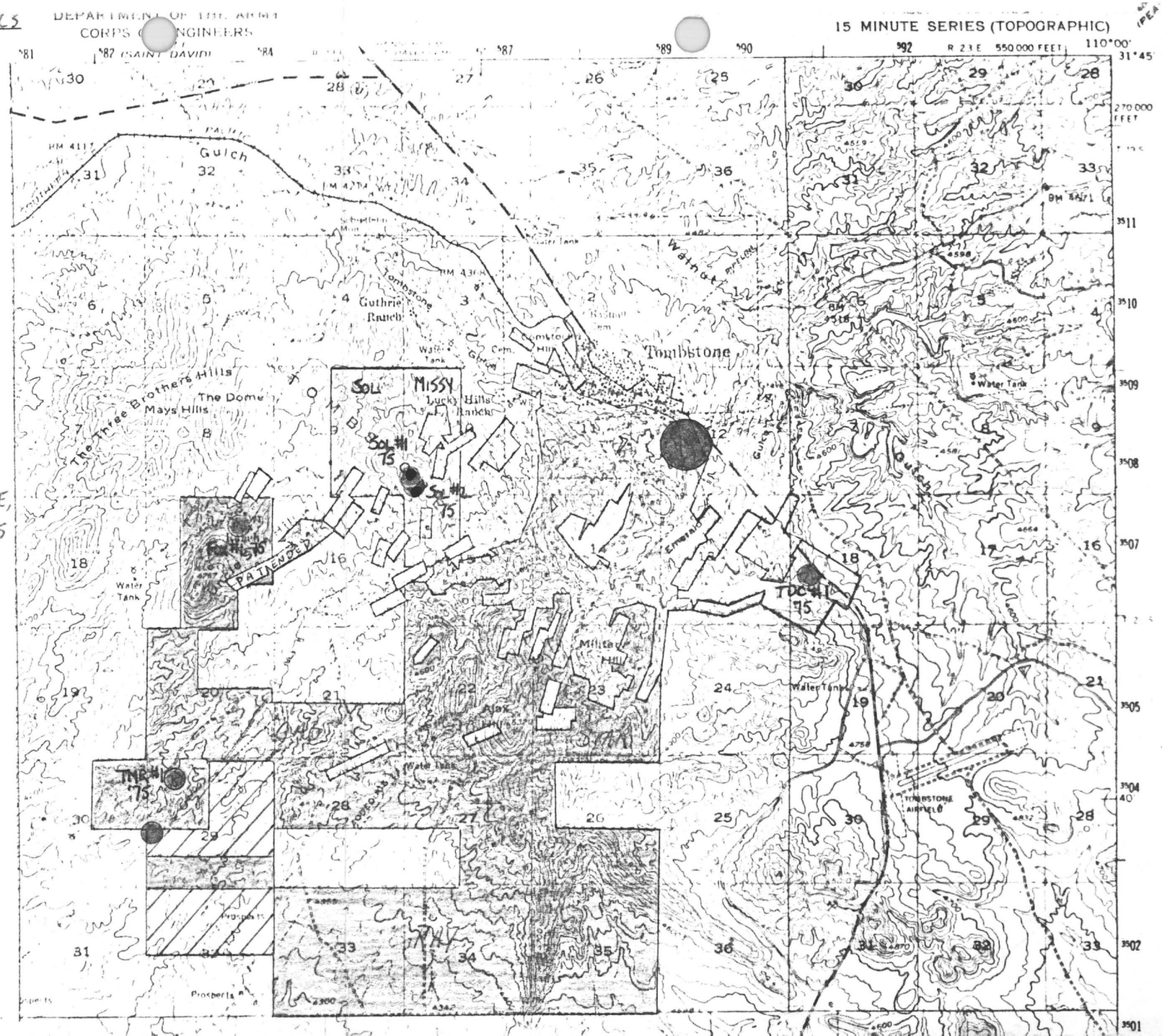
ESCAPULE UNPATENTED CLAIMS; MISSY, SOLSTICE, & SOLSTICE EXTENSION GROUPS

TDC PATENTED CLAIMS

DRILL HOLES IN 1975
SOL #1-75 SOL #2-75

STATE LAND PROSPECTING PERMITS.

'71 MINERALS HEAP LEACHING FACILITY



TI-MINERALS
1976

71 MINERALS DRILLING

Rotary Drill Hole No.	Location	Remarks
1A	Skip Shaft Area	Qual. - no samples
101	Skip Shaft Area	Qual. - no samples
106	Skip Shaft Area	Fair - mineralization
107	Skip Shaft Area	Fair - mineralization
108	Skip Shaft Area	Weak - mineralization
109	Skip Shaft Area	Weak - mineralization
110	Skip Shaft Area	Weak - mineralization
111	Skip Shaft Area	Weak - mineralization
112	Skip Shaft Area	Weak - mineralization
113	Skip Shaft Area	Weak - mineralization
114	Skip Shaft Area	Fair - hit stope
115	Skip Shaft Area	Fair
116	Near Skip Shaft Fissure	High-Grade Intervals
117	Skip Shaft Area	Qual. - no samples
118	Skip Shaft Area	Qual. - no samples
119	Skip Shaft Area	Qual. no samples
120	Skip Shaft Area	Qual. - no samples

Rotary Drill Hole No.	Location	Remarks
120A	Skip Shaft Area	Qual. - no samples
121	Skip Shaft Area	Qual. - no samples
122	Skip Shaft Area	Qual. - no samples
123	Skip Shaft Area	Qual. - no samples
124	Skip Shaft Area	Weak - mineralization
124	Skip Shaft Area	Weak - mineralization
125	Skip Shaft Fissure	Some High-Grade Intervals
126	Skip Shaft Area	Weak - mineralization
127	Skip Shaft Area	Fair - mineralization
128	Skip Shaft - Tranquility Area	Good - mineralization
129	Tranquility Shaft Area	Weak - mineralization
130	Tranquility Shaft Area	Weak - mineralization
131	Tranquility Shaft Area	Weak - mineralization
132	Tranquility Shaft Area	Good - mineralization
133	Tranquility Shaft Area	Good - mineralization
134	Tranquility Shaft Area	Weak - mineralization
135	Tranquility Shaft Area	Fair - mineralization
136	Skip Shaft Area	Weak - mineralization

Rotary Drill Hole No.	Location	Remarks
137	Skip Shaft Area	Weak - mineralization
138	N. Skip Shaft	Good - mineralization
139	Empire Shaft Area	Weak - mineralization
140	Empire Shaft Area	Weak - mineralization
141	Empire Shaft Area	Weak - mineralization

71

(1) (1)

MEMO

To: Richard F. Hewlett

Subject: Drilling Report
Tombstone Project
March and April, 1976

From: Ed Speer

Date: April 8, 1976

Drilling commenced in the Skip Shaft area on March 23 and ended April 7, 1976. A total of 2,511 feet was drilled by the reverse circulation method at an average cost of $7.44 per foot. An area approximately 600 X 800 feet was tested from 50 to 100 feet deep. This area offers a potential of up to 2 million tons of ore.

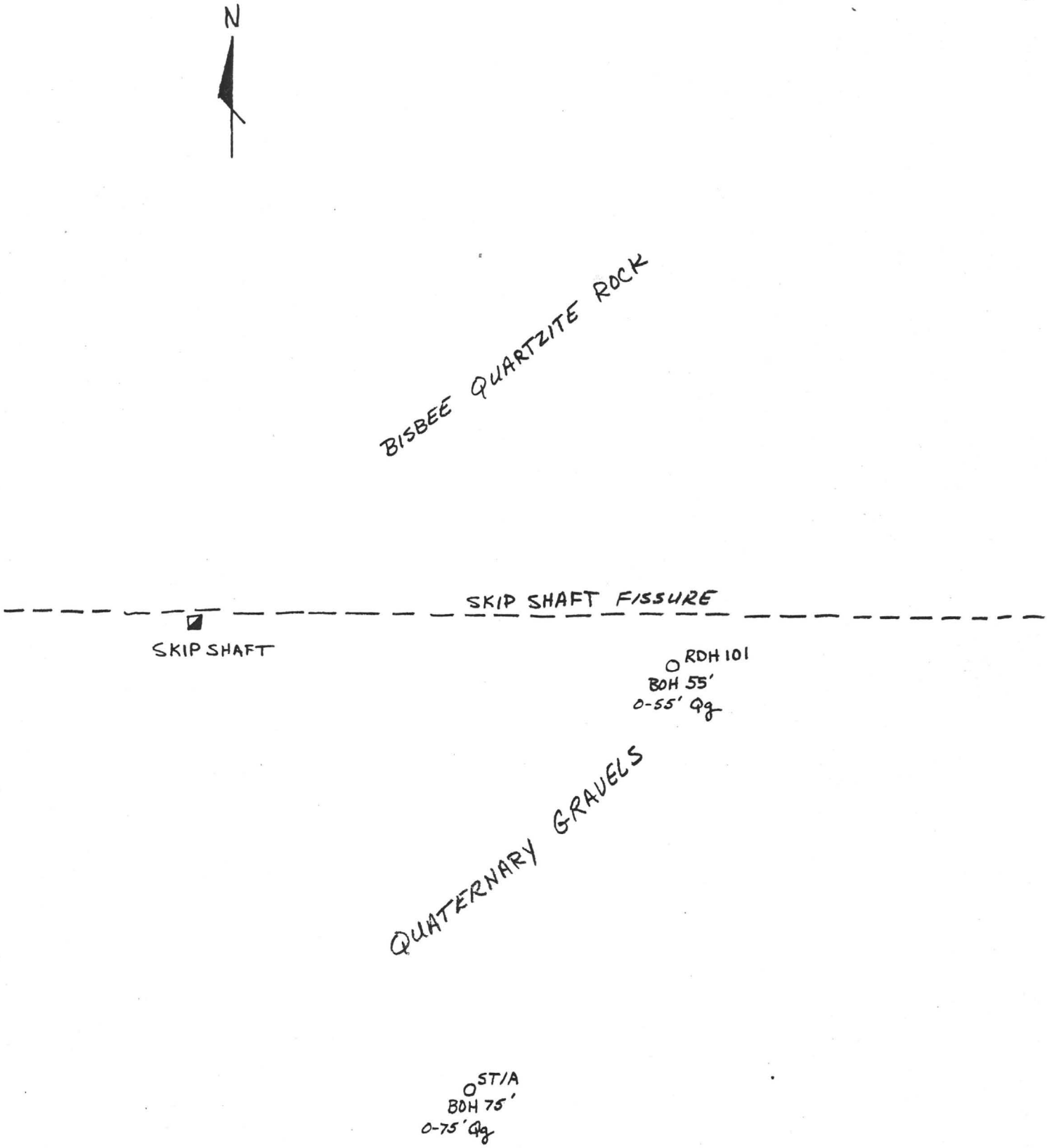
The quick completion of this drilling project (eleven days at an average of 226 feet per day) can be attributed to the greater efficency of the reverse circulation method over conventional rotary drilling, the well maintained drilling equipment, and the experience of the drillers. The drilling was done by Drilling Services Inc., of Tempe, Arizona, and this company should be given top priority in future projects requiring reverse circulation drilling.

The enclosed map shows the location of all drill holes relative to the Tranquillity and Skip shafts. The drill hole summary gives a list of drill holes and short summary of rock types. The drill hole summary is followed by a breakdown of costs.

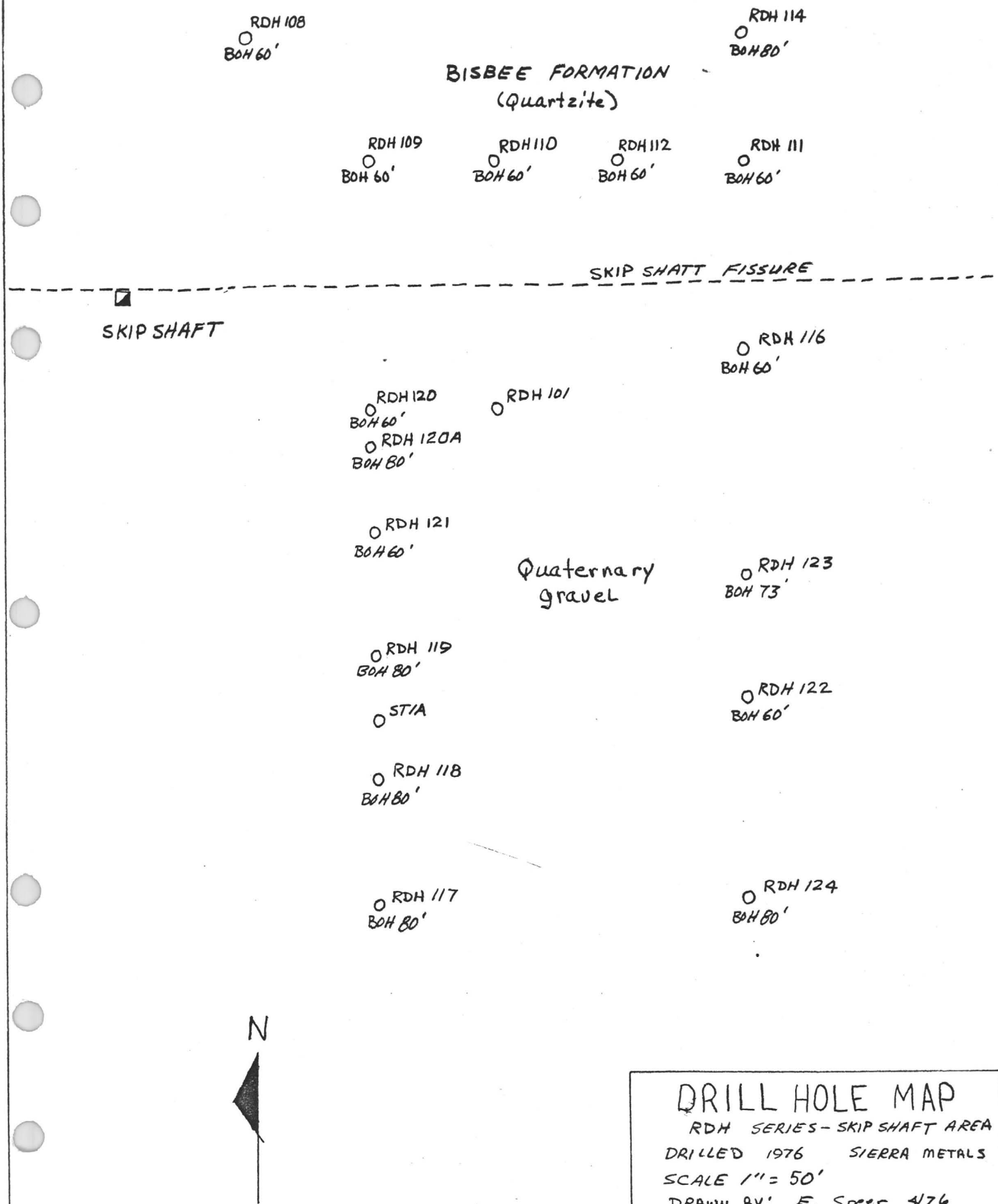
All holes were logged at the drill site by myself and drill logs will be drafted soon. A total of 337 samples (5 foot intervals) logged as bedrock were submitted to Jacobs Assay Office in Tucson on April 8, 1976. Results will be available by April 16th.

Ed Speer

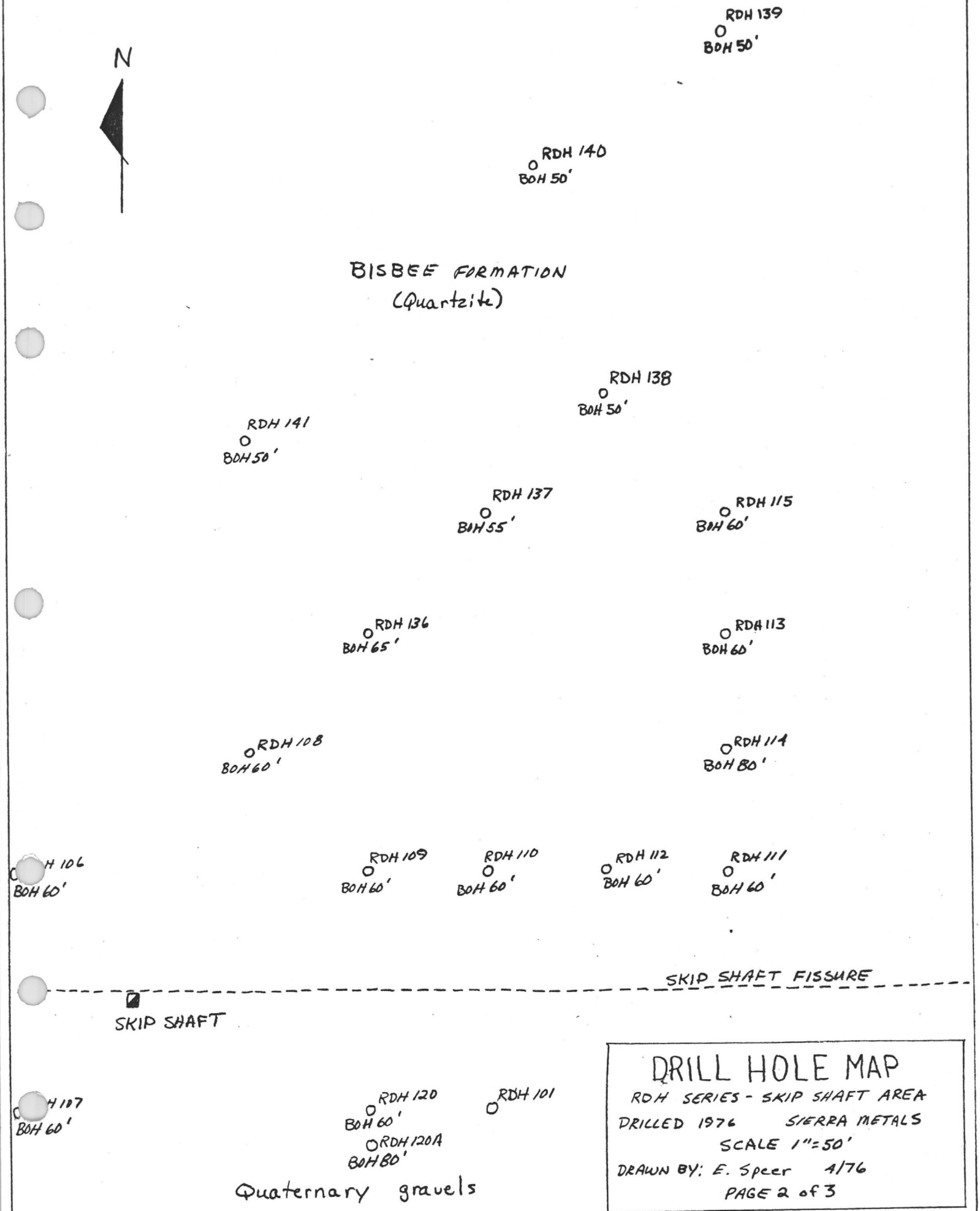
Ed Speer



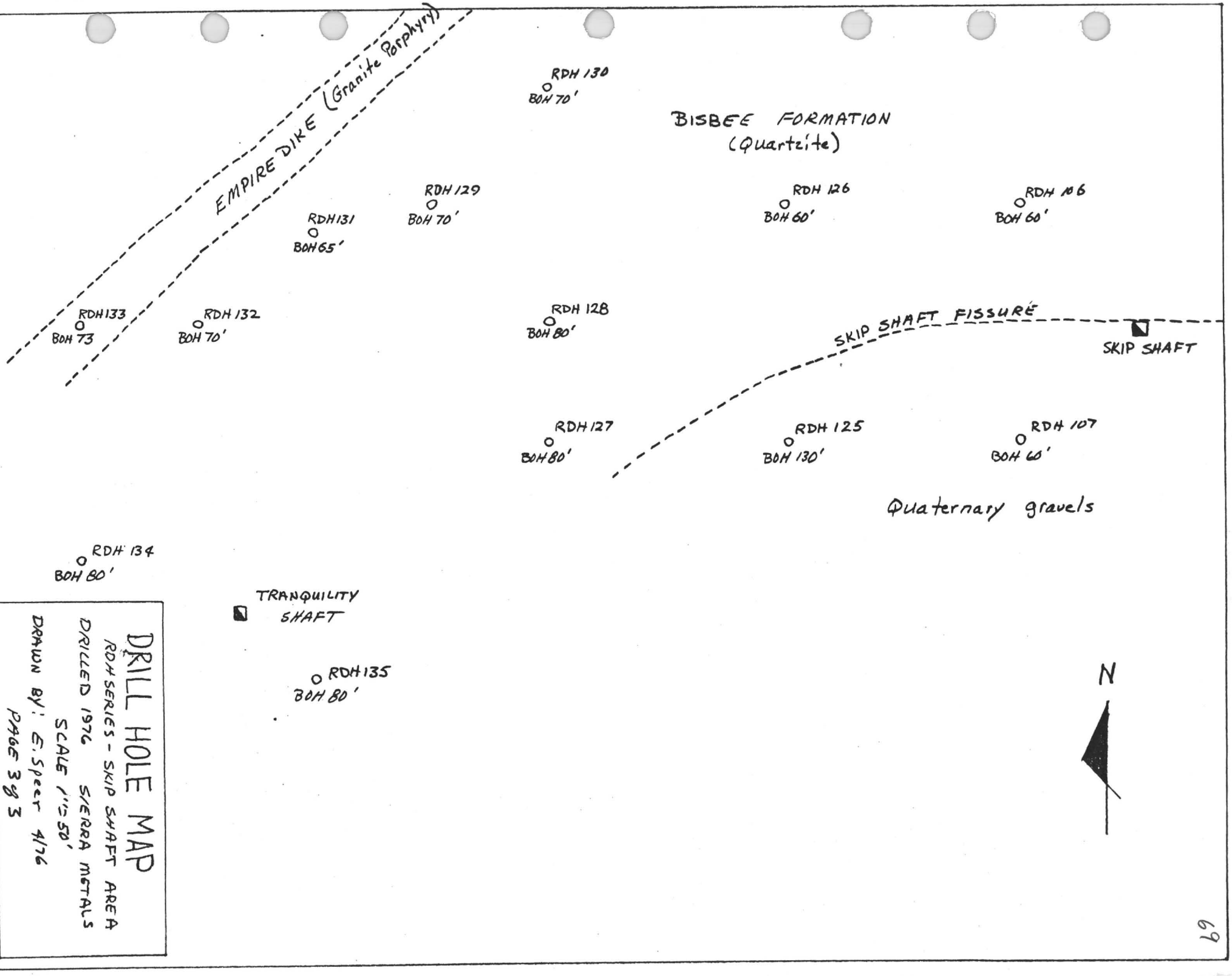
TOMBSTONE DISTRICT
DRILL HOLE MAP MARCH '76
SKIP SHAFT AREA
SCALE: 1" = 50' DRAWN BY: E. Speer

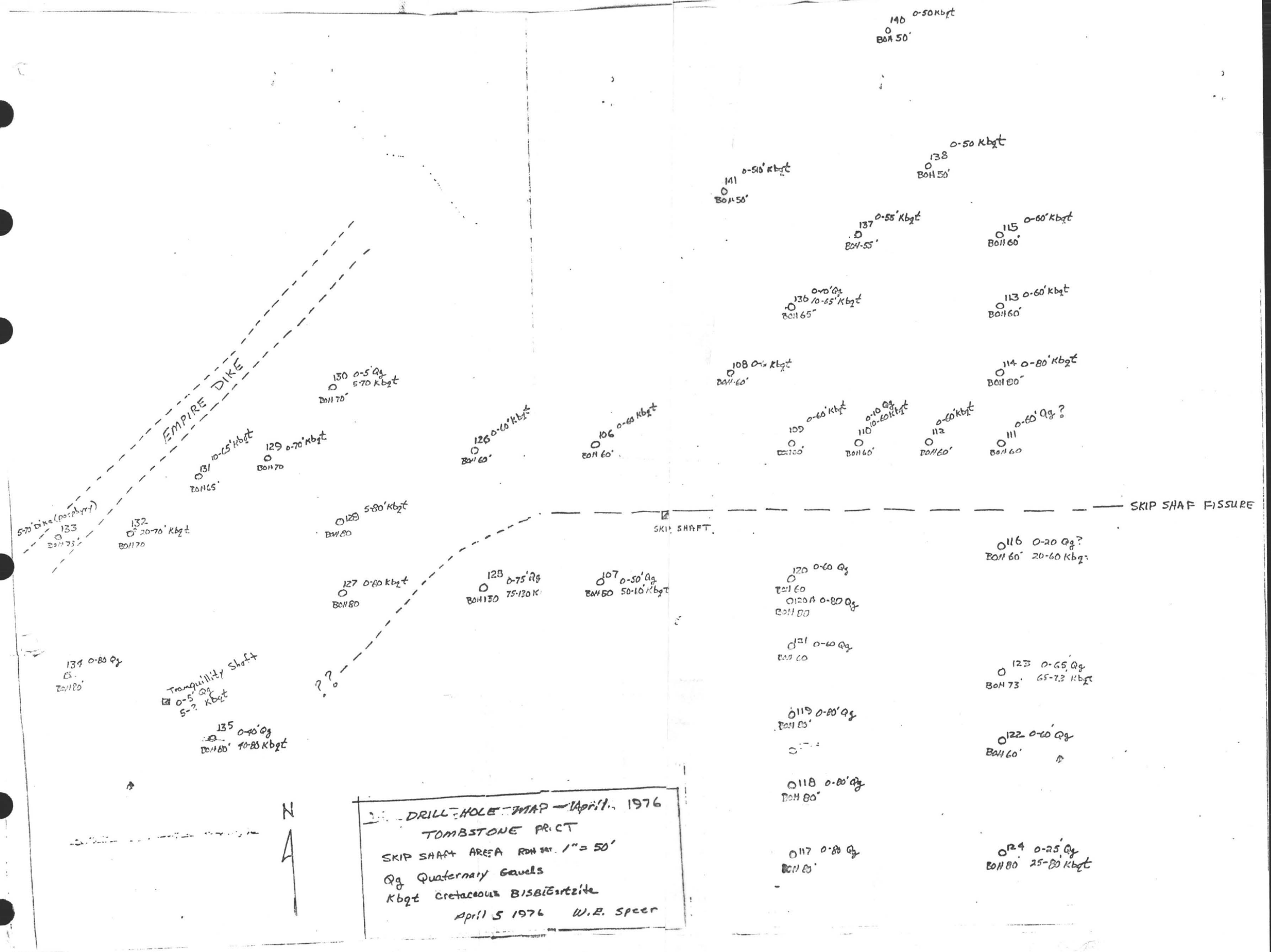


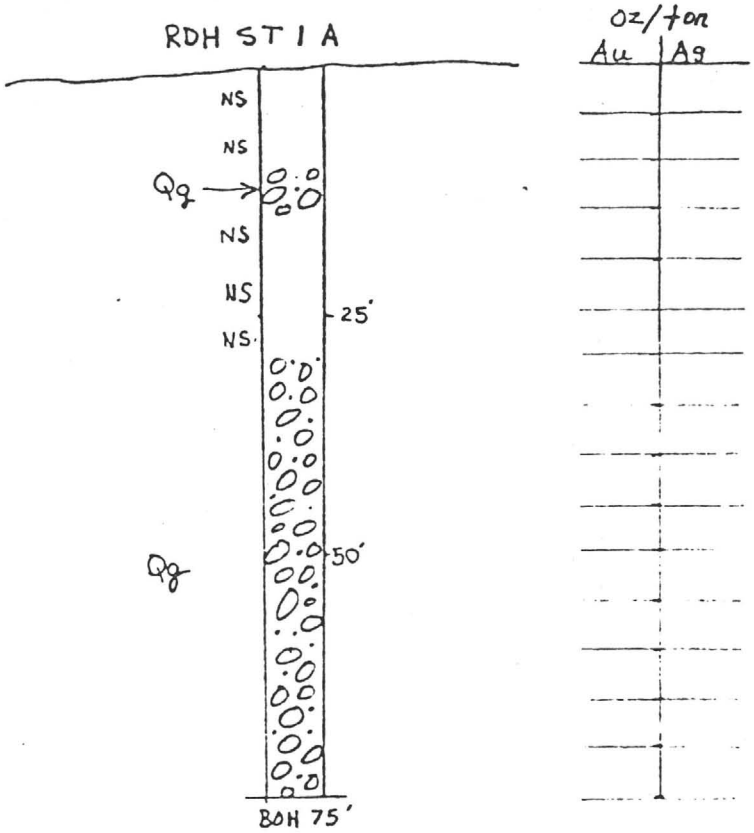
DRILL HOLE MAP
RDH SERIES - SKIP SHAFT AREA
DRILLED 1976 SIERRA METALS
SCALE 1" = 50'
DRAWN BY: E. Speer 4/76
PAGE 1 OF 3



DRILL HOLE MAP
RDH SERIES - SKIP SHAFT AREA
DRILLED 1976 SIERRA METALS
SCALE 1"=50'
DRAWN BY: E. Speer 4/76
PAGE 2 of 3


EMPIRE DIKE (Granite Porphyry)
RDH 130
BOH 70'
BISBEE FORMATION
(Quartzite)
RDH 129
BOH 70'
RDH 126
BOH 60'
RDH 106
BOH 60'
RDH131
BOH 65'
RDH133
BOH 73
RDH 132
BOH 70'
RDH 128
BOH 80'
SKIP SHAFT FISSURE
SKIP SHAFT
RDH 127
BOH 80'
RDH 125
BOH 130'
RDH 107
BOH 60'
Quaternary gravels
RDH 134
BOH 80'
TRANQUILITY
SHAFT
RDH 135
BOH 80'
N
DRILL HOLE MAP
RDH SERIES - SKIP SHAFT AREA
DRILLED 1976 SIERRA METALS
SCALE 1"=50'
DRAWN BY: E. Speer 4/76
PAGE 3 of 3


140 0-50 Kbqt
BOH 50'
138 0-50 Kbqt
BOH 50'
141 0-50' Kbqt
BOH 50'
137 0-55' Kbqt
BOH 55'
115 0-60' Kbqt
BOH 60'
136 0-70' Qg 10-65' Kbqt
BOH 65'
113 0-60' Kbqt
BOH 60'
108 0-60 Kbqt
BOH 60'
114 0-80' Kbqt
BOH 80'
109 0-60' Kbqt
BOH 60'
110 0-10 Qg 10-60 Kbqt
BOH 60'
112 0-60' Kbqt
BOH 60'
111 0-60' Qg ?
BOH 60
130 0-5' Qg 5-70 Kbqt
BOH 70'
EMPIRE DIKE
131 10-65' Kbqt
BOH 65'
129 0-70' Kbqt
BOH 70
126 0-60' Kbqt
BOH 60'
106 0-60 Kbqt
BOH 60'
5-70' Dike (porphyry)
133
BOH 73'
132 0-20-70' Kbqt
BOH 70
128 5-80' Kbqt
BOH 80
SKIP SHAFT FISSURE
SKIP SHAFT
116 0-20 Qg?
BOH 60' 20-60 Kbqt
127 0-80 Kbqt
BOH 80
128 0-75' Qg
BOH 130 75-130 K
107 0-50' Qg
BOH 50 50-10 Kbqt
120 0-60 Qg
BOH 60
120A 0-80 Qg
BOH 80
121 0-60 Qg
BOH 60
134 0-80 Qg
BOH 80'
Tranquillity Shaft
0-5' Qg
5-? Kbqt
123 0-65' Qg
BOH 73' 65-73 Kbqt
119 0-80' Qg
BOH 80'
122 0-60' Qg
BOH 60'
135 0-40' Qg
BOH 80' 40-80 Kbqt
118 0-80' Qg
BOH 80'
117 0-80 Qg
BOH 80'
124 0-25' Qg
BOH 80 25-80 Kbqt
N
DRILL HOLE MAP — April, 1976
TOMBSTONE PROJECT
SKIP SHAFT AREA RDH SET. 1" = 50'
Qg Quaternary Gravels
Kbqt Cretaceous Bisbee Artzite
April 5 1976 W.E. Speer



DRILL HOLE NO. RDH ST/A

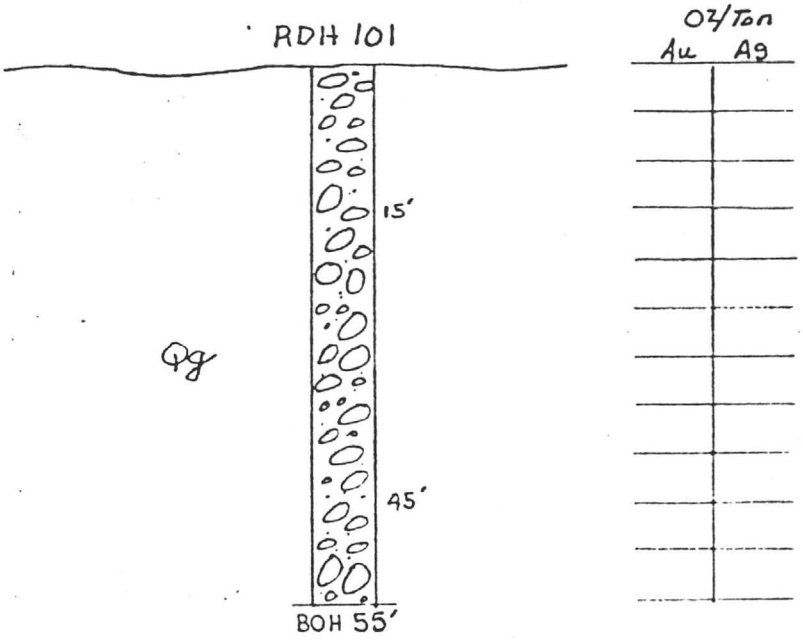
DRILL HOLE SECTION

PROJECT: TOMBSTONE, COCHISE CO., AZ

LOCATION: SKIP SHAFT AREA

DATE DRILLED: Feb '76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



DRILL HOLE NO. RDH 101

DRILL HOLE SECTION

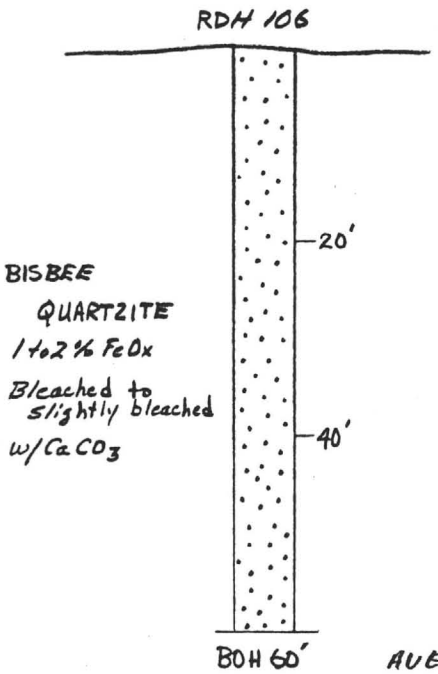
PROJECT: TOMBSTONE, COCHISE CO., AZ

LOCATION: SKIP SHAFT AREA

DATE DRILLED: Feb '76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'

TRACE = .0025



Au (oz/ton)	Ag (oz/ton)	
Tr	.05	.003/.06
.005	.10	
Tr	.05	
.01	.05	
.01	.05	
Tr	.10	.007/.07
Tr	.10	
.01	.05	
.01	.10	
Tr	.10	.006/.1
AVERAGE 0.0058	0.075	

DRILL HOLE RDH 106

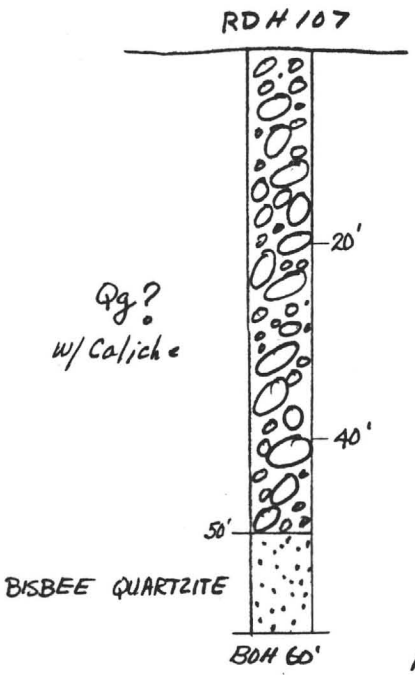
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/23/76 DRAWN BY: E. Speer

LOGGED BY: E. Speer SCALE: 1"=20' 4/76



Oz/Ton Au	Ag	
.01	.05	
.01	.10	.007 / .07
.01	.05	
Tr	.05	
Tr	.10	
.02	.35	
.005	.05	
.005	.10	.008 / .14
Tr	.10	
.005	.10	
.005	.15	.008 / .18
.01	.20	
AVERAGE 0.0073	0.117	

DRILL HOLE NO. RDH 107

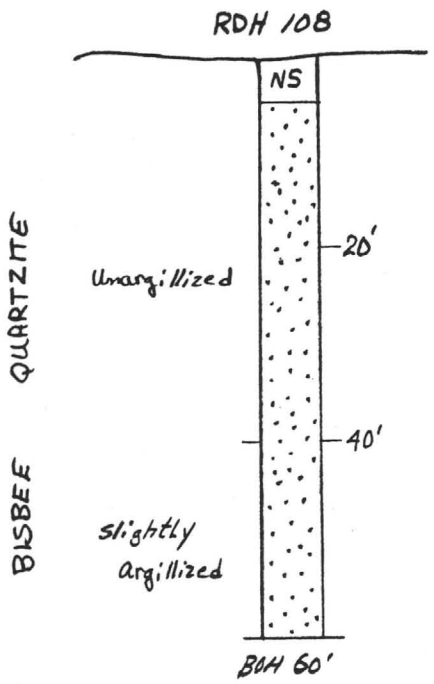
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/23/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



Oz/Ton Au	Oz/Ton Ag	
NS	NS	
Tr	.10	
.005	.05	.003 / .08
Tr	.05	
Tr	.10	
.005	.10	
.005	.05	
Tr	.05	.004 / .07
Tr	.10	
.005	.05	
.005	.10	
Tr	.15	.004 / .13
AVERAGE 0.0036	0.082	

DRILL HOLE NO. RDH 108

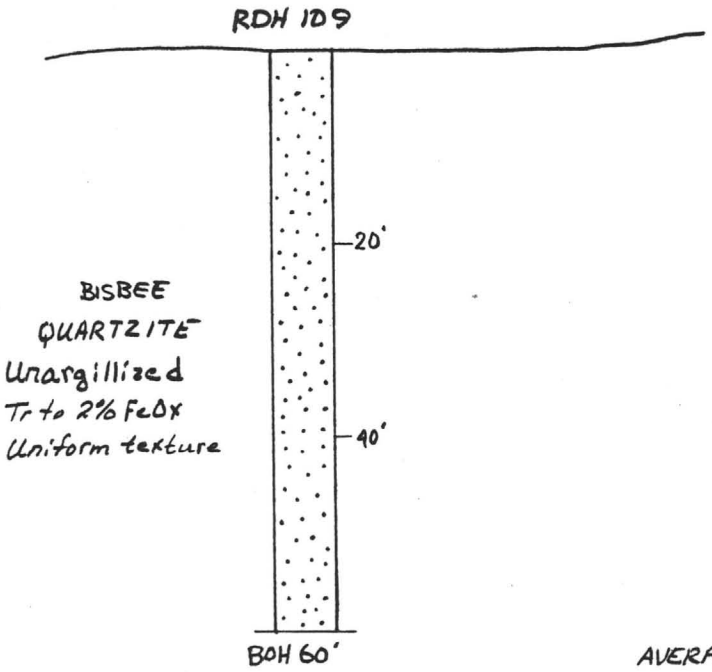
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/23/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	OZ/TON Au	Ag	
	.005	.10	
	Tr	.15	.004/ .1
	.005	.10	
	.005	.05	
	Tr	.05	
	.005	.10	
	Tr	.05	.004/ .1
	.005	.15	
	.005	.15	
	.005	.05	.004/ .08
	Tr	.10	
AVERAGE	0.004	0.096	

DRILL HOLE NO. RDH 109

DRILL HOLE SECTION

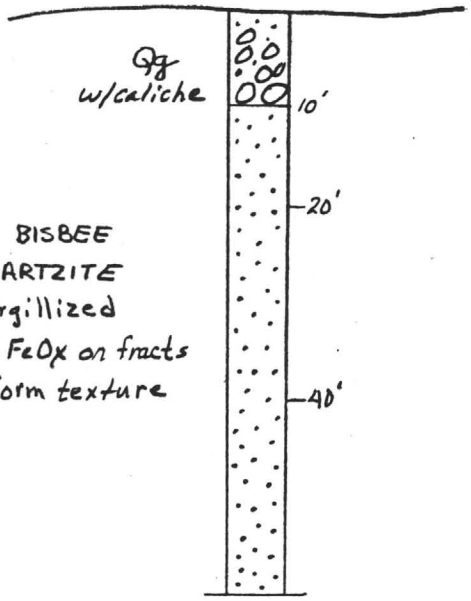
PROJECT: TOMBSTONE COCHISE CO, AZ

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/29/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'

RDH 110



	OZ/TON		
	Au	Ag	
	.005	.15	.005/.1
	Tr	.05	
	.005	.05	
	.005	.10	
	Tr	.15	
	Tr	.05	
	.005	.15	.004/.12
	.005	.15	
	Tr	.10	
	.005	.10	.004/.08
	Tr	.05	
AVERAGE	0.0039	0.10	

DRILL HOLE NO. RDH 110

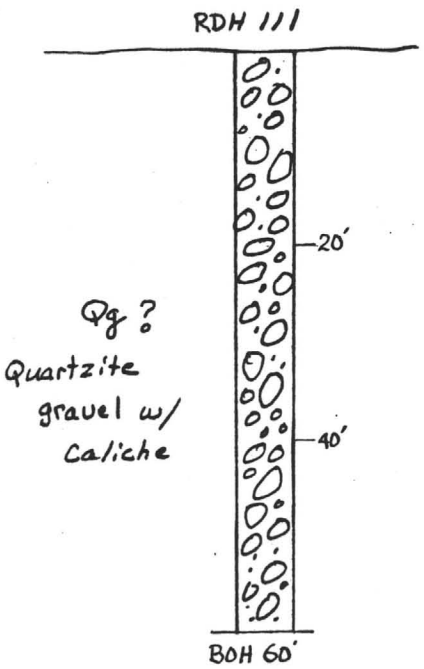
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO, AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/29/76 DRAWN BY E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



OZ/TON Au	Ag	
.005	.05	.004 / .06
.005	.05	
Tr	.10	
Tr	.05	
.005	.15	
.005	.15	
.01	.10	.006 / .1
Tr	.005	
.005	.10	
Tr	.05	.004 / .08
.005	.10	
AVERAGE 0.0045	0.08	

DRILL HOLE NO. RDH 111

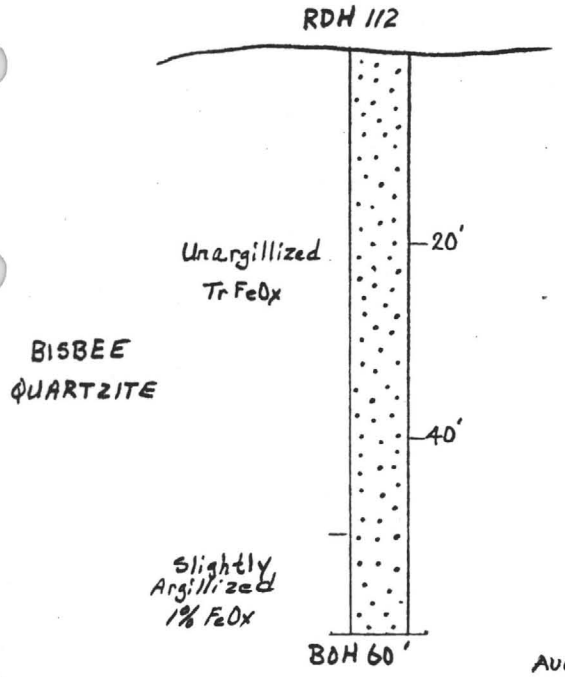
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/24/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1"=20'



Oz/Ton Au	Ag	
Tr	.05	.003 / .06
.005	.05	
Tr	.10	
Tr	.15	
.005	.05	
.005	.10	.004 / .08
Tr	.05	
Tr	.05	
Tr	.10	.004 / .13
.005	.15	
AVERAGE 0.0035	0.085	

DRILL HOLE NO. RDH112

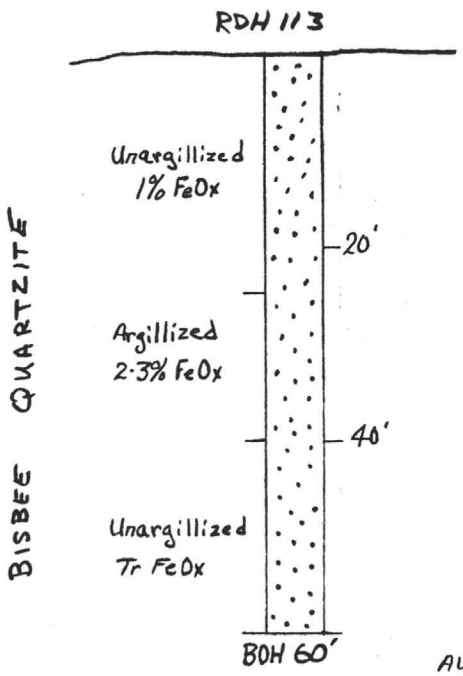
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO, AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/24/76 DRAWN BY: E. Speer 1/76

LOGGED BY: E. Speer SCALE: 1" = 20'



Oz/Ton Au	Ag	
Tr	.05	
.005	.10	.004 / .08
.005	.10	
.005	.10	
Tr	.05	
.005	.10	
Tr	.15	.004 / .09
.005	.05	
.005	.10	
.01	.15	.008 / .13
.005	.10	
AVERAGE 0.0048	0.095	

DRILL HOLE NO. 113

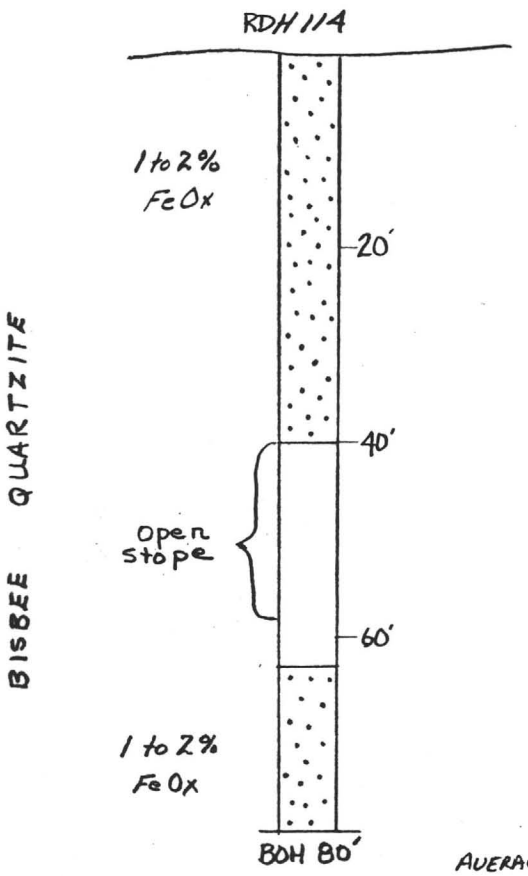
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/24/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



Oz/Ton Au	Oz/Ton Ag	
Tr	.05	.003 / .06
.005	.10	
Tr	.005	
Tr	.15	
.01	.15	.006 / .15
.005	.15	
NS	NS	
NS	NS	
NS	NS	
NS	NS	
NS	NS	.006 / .12
.005	.10	
.01	.15	
Tr	.10	
.01	.10	.01 / .1
AVERAGE 0.0055	0.096	

DRILL HOLE NO. RDH 114

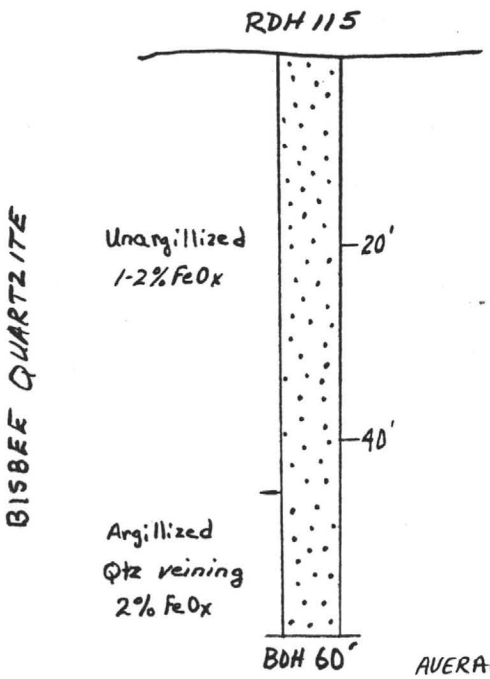
DRILL HOLE SECTION

PROJECT: TOMBSTONE, COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/25/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	Oz/Ton Au	Ag	
	.005	.05	
	.005	.05	.006 / .06
	Tr	.05	
	.01	.10	
	.01	.10	
	.005	.05	
	.005	.10	.006 / .1
	Tr	.05	
	.005	.20	
	.01	.05	
	Tr	.20	.006 / .13
AVERAGE	0.0057	0.09	

DRILL HOLE NO. RDH 115

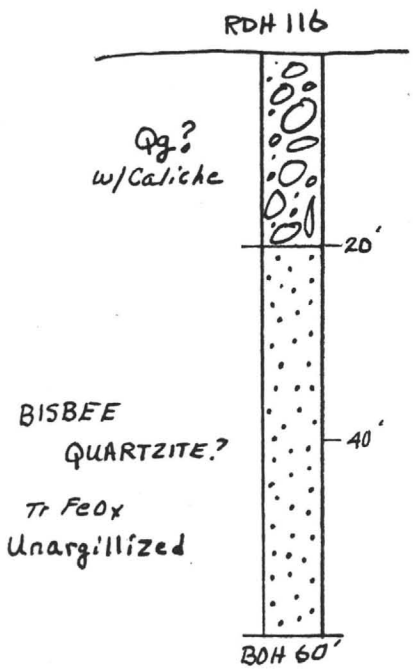
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

DATE DRILLED: 3/25/76 DRAWN BY: E. Speer 4/76

LOCATION: SKIP SHAFT AREA

LOGGED BY: E. Speer SCALE: 1" = 20'



	OZ/TON Au	Ag	
	Tr	.20	
	.005	.10	.004 / .08
	Tr	.05	
	.005	.05	
	Tr	.05	
	.005	.10	
	.005	.05	.004 / .06
	NS	NS	
	.005	.05	
	.07	2.20	AVERAGE .07 / 1.625
	.07	1.05	35 / 16.25 = 51.25
AVERAGE	0.0157	0.355	

DRILL HOLE NO. RDH 116

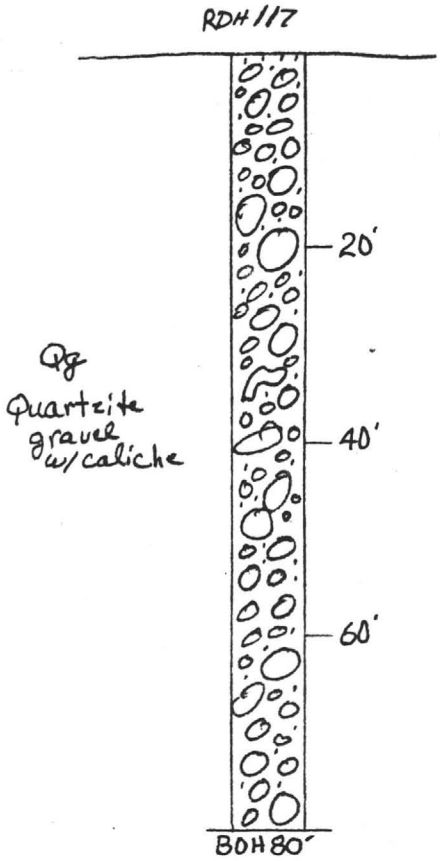
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/25/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



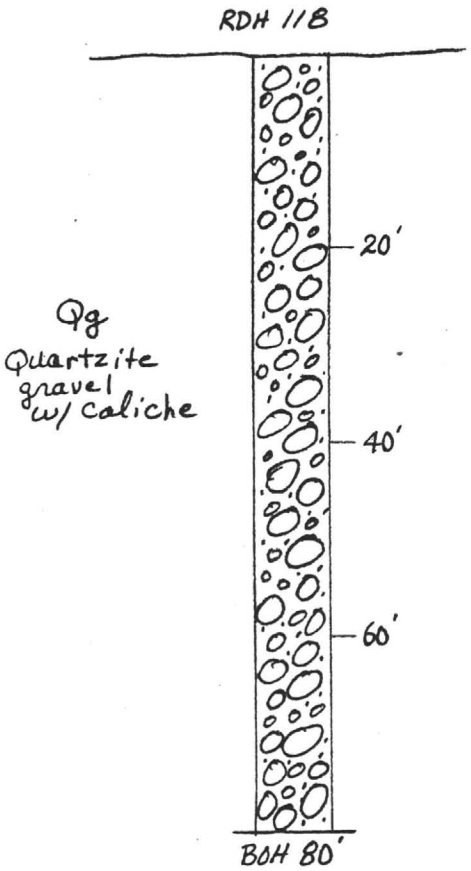
NO ASSAYS

DRILL HOLE NO. RDH 117

DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA 4/76
DATE DRILLED: 3/26/76 DRAWN BY: E Speer
LOGGED BY: E. Speer SCALE: 1" = 20'



NO ASSAYS

DRILL HOLE NO. RDH118

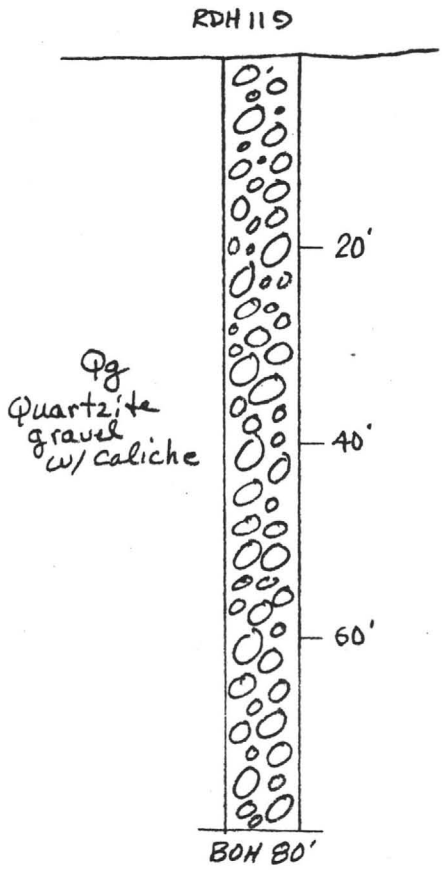
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: SKIP SHAF AREA

DATE DRILLED: 3/26/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



NO ASSAYS

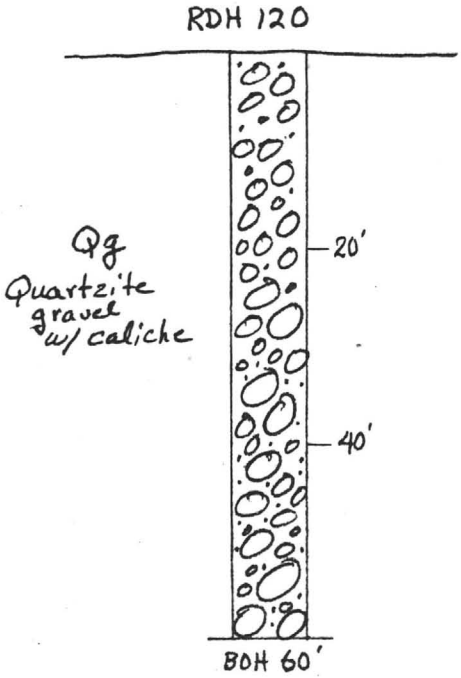
DRILL HOLE NO. RDH 119

DRILL HOLE SECTION

PROJECT: TOMBSTONE, COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/29/76 DRAWN BY: E. Speer 4/76
LOGGED BY: E. Speer SCALE: 1" = 20'



NO ASSAYS

DRILL HOLE NO. RDH 120

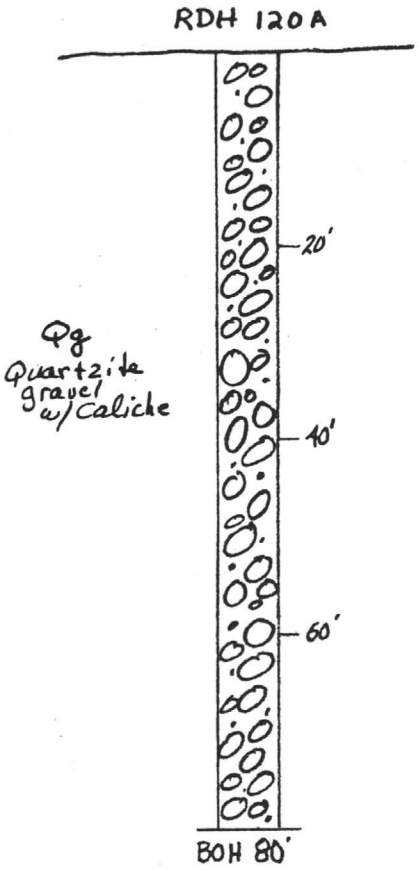
DRILL HOLE SECTION

PROJECT: TOMBSTONE, COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/29/76 DRAWN BY: E. Speer #76

LOGGED BY: E. Speer SCALE: 1" = 20'



NO ASSAYS

DRILL HOLE NO. RDH 120A

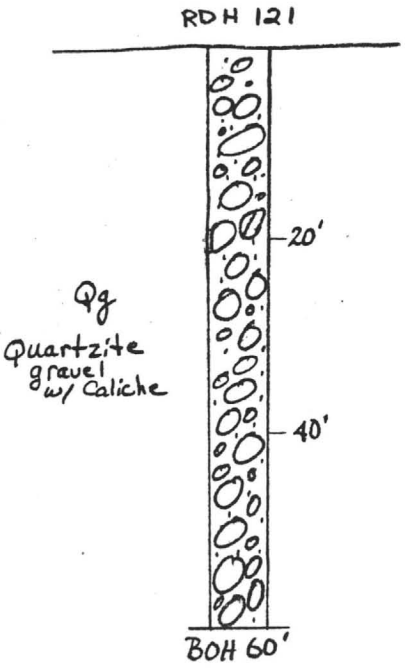
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 4/7/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



NO ASSAYS

DRILL HOLE NO. RDH 121

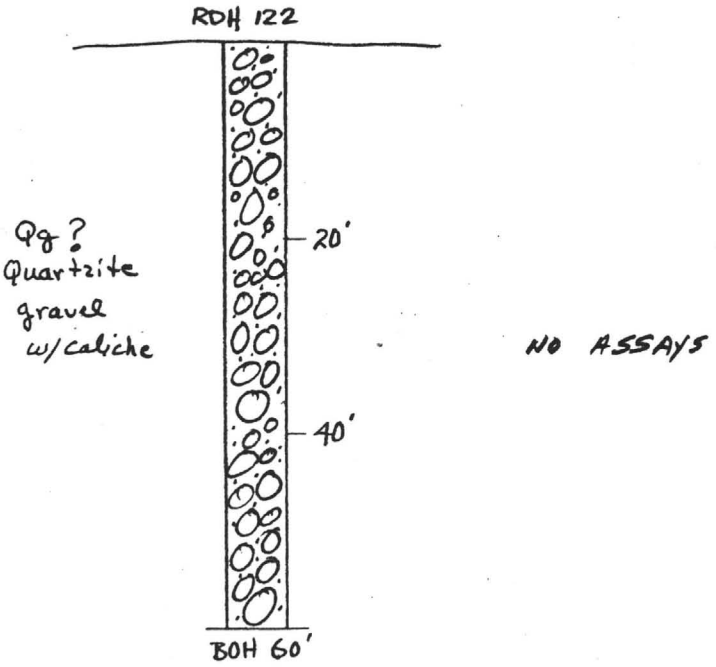
DRILL HOLE SECTION

PROJECT: TOMBSTONE, COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/29/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1"=20'



DRILL HOLE NO. RDH 122

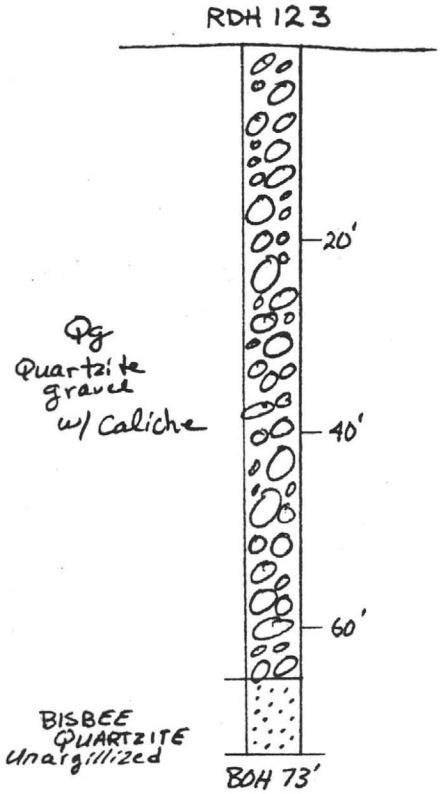
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/31/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1"=20'



NO ASSAYS

DRILL HOLE NO. RDH 123

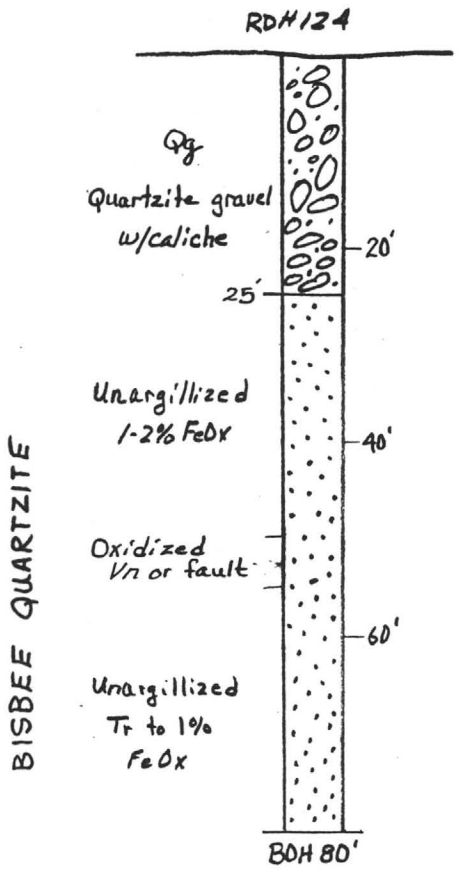
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/30/76 DRAWN BY: E. Spear 4/76

LOGGED BY: E. Spear SCALE: 1" = 20'



	oz/Ton Au	Ag	
			.002 / .05
	Tr	.05	
	Tr	.05	
	.005	.10	
	.005	.05	.004 / .07
	Tr	.05	
	Tr	.10	
	.005	.05	
	.005	.05	
	.01	.10	.006 / .06
	.005	.05	
	.005	.05	
	Tr	.10	.003 / .1
AVERAGE	0.0044	0.067	

DRILL HOLE NO. RDH 124

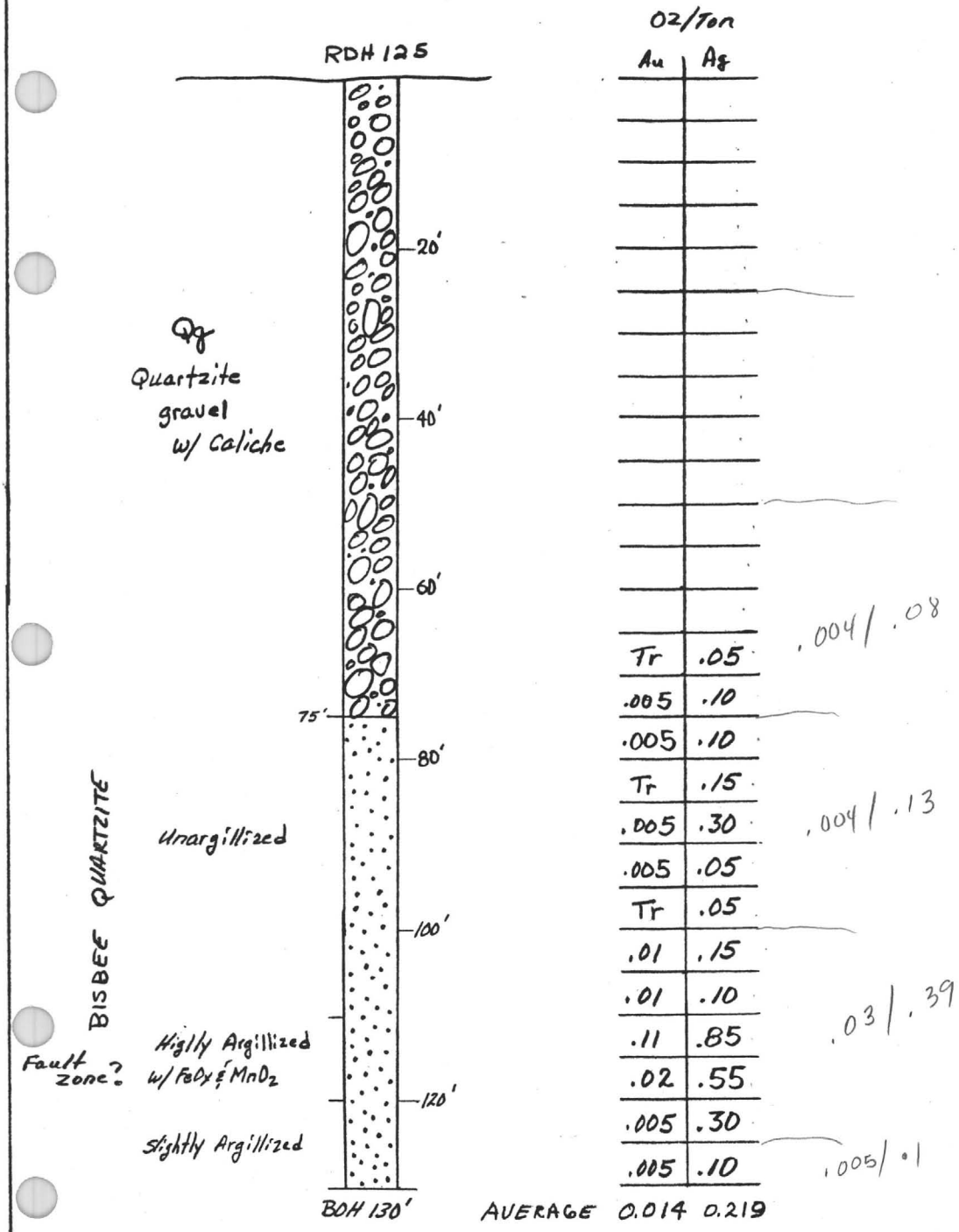
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SHIP SHAFT AREA

DATE DRILLED: 3/30/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



DRILL HOLE NO. RDH 125

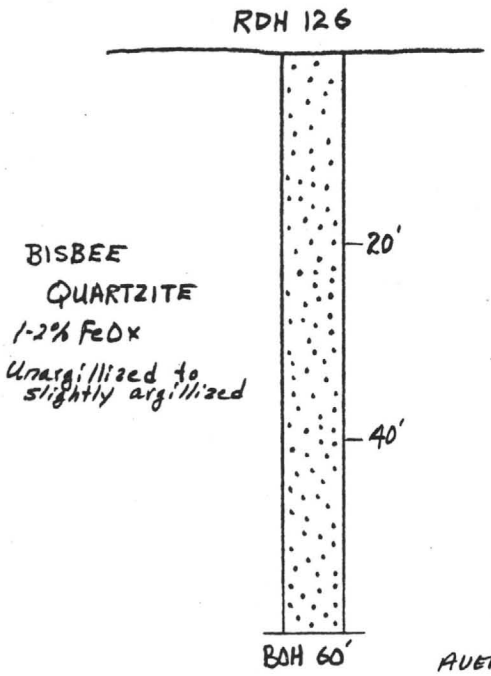
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 3/31/76 DRAWN BY: E. Speer 4/76

LOGGED BY: Ed Speer SCALE: 1" = 20'



Oz/Ton Au	Ag	
Tr	.05	
Tr	.05	.005/.07
.01	.05	
.005	.10	
.005	.10	
.01	.10	
Tr	.05	
Tr	.10	.006/.09
Tr	.10	
.01	.10	
.005	.05	.005/.05
.005	.05	
AVERAGE 0.0052	0.075	

DRILL HOLE NO. RDH126

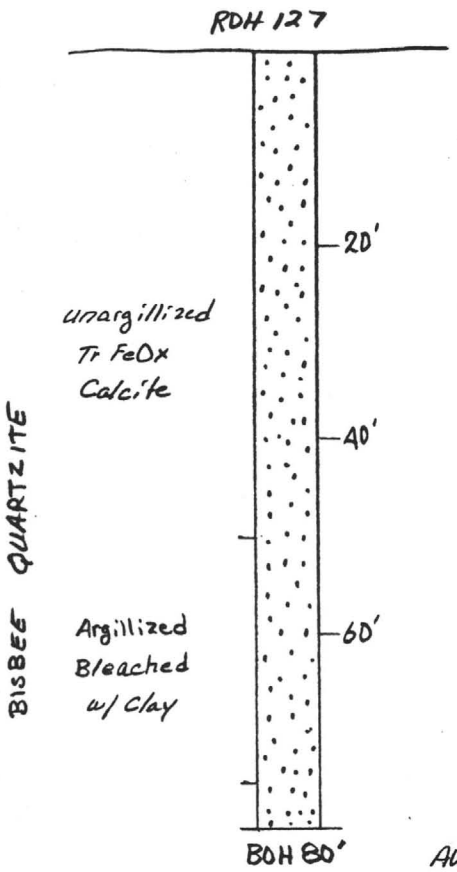
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 3/31/76 DRAWN BY: E. SPEER 4/76

LOGGED BY: E. Speer SCALE: 1"=20'



Oz/Ton Au	Oz/Ton Ag	
.005	.10	
.005	.10	.005/ .12
.005	.15	
.005	.15	
Tr	.10	
Tr	.05	
.005	.05	
.01	.05	.005/.06
.005	.05	
Tr	.10	
Tr	.15	
.005	.05	
.005	.05	.006/.13
.005	.05	
.01	.35	
.01	.35	.01/.35
AVERAGE 0.0053	0.119	

DRILL HOLE NO. RDH 127

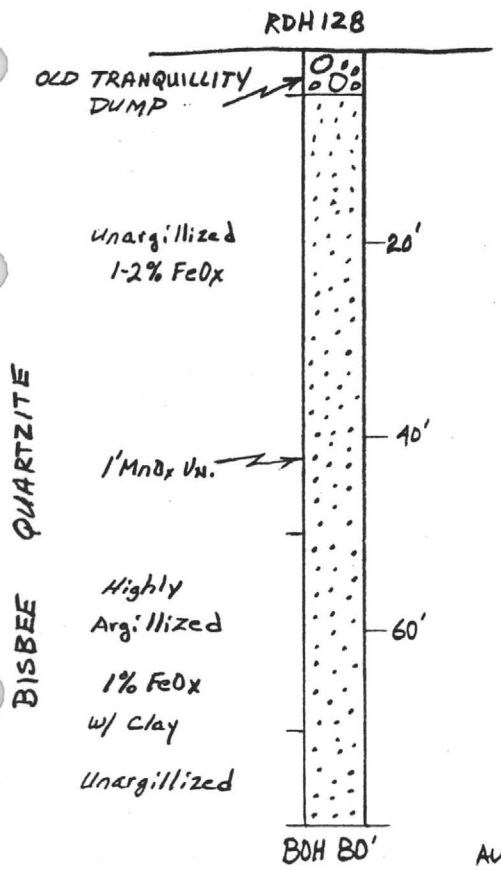
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/1/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE 1" = 20'



	oz/Ton Au	oz/Ton Ag	
	.01	.15	
	Tr	.05	.003 / .08
	.005	.10	
	Tr	.05	
	Tr	.10	
	.005	.10	
	.005	.05	.005 / .15
	.005	.05	
	Tr	.40	
	.005	.15	
	.005	.10	
	Tr	.10	
	.03	.15	.012 / .13
	.01	.15	
	.01	.15	
	.01	.10	.01 / .1
AVERAGE	0.0067	0.122	

DRILL HOLE NO. RDH 128

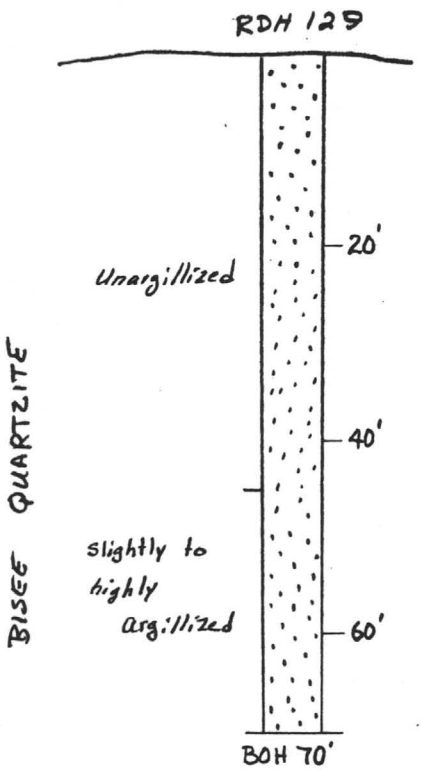
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/1/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	Oz/Ton Au	Ag	
	Tr	.15	
	Tr	.05	
	.01	.10	.006/ .09
	.005	.05	
	.01	.10	
	Tr	.10	
	Tr	.05	
	.01	.30	.005/ .16
	Tr	.25	
	.005	.10	
	Tr	.10	
	.005	.10	
	Tr	.15	.003/ .11
	Tr	.10	
AVG	0.0046	0.121	

DRILL HOLE NO. RDH129

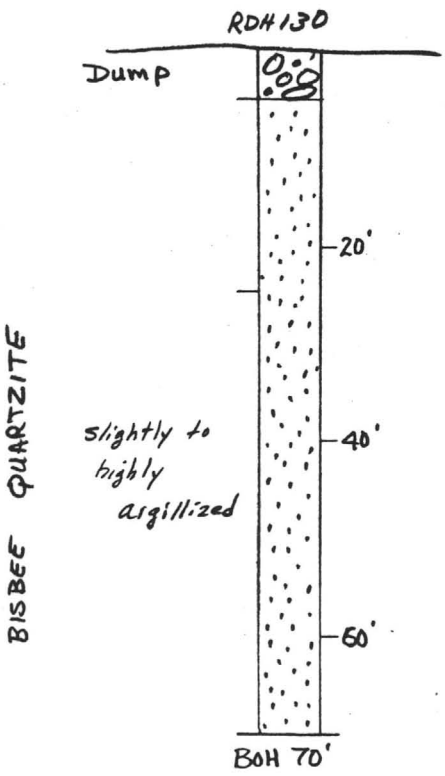
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/1/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1"=20'



	Oz/Ton Au	Ag	
	.005	.05	
	Tr	.20	.006/.26
	.005	.35	
	.01	.35	
	.005	.15	
	.005	.05	
	Tr	.65	
	Tr	.40	.005/.55
	.01	1.05	
	Tr	.60	
	.01	.90	
	Tr	.25	.007/.34
	.005	.05	
	.01	.15	
AVG	0.0052	0.371	

DRILL HOLE NO. RDH 130

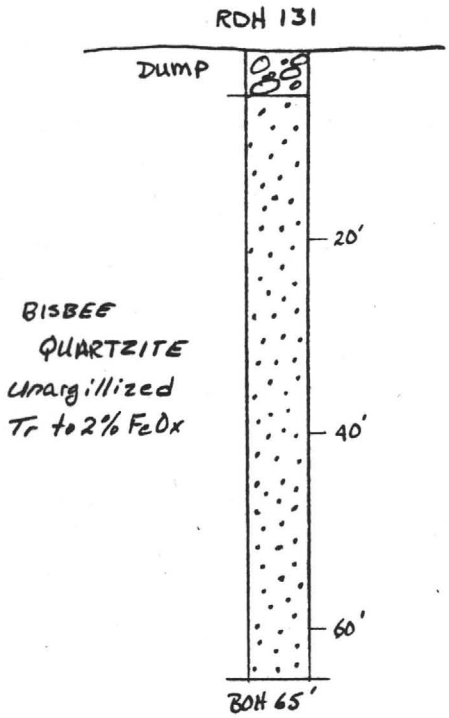
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/1/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	Oz/Ton Au	Ag	
	.02	.50	
	.005	.10	
	.005	.05	.004/ .06
	.005	.05	
	Tr	.05	
	.01	.10	
	Tr	.10	
	.005	.50	.005/ .32
	.005	.65	
	Tr	.25	
	.005	.30	
	.005	.30	.004/ .27
	Tr	.20	
AVG	0.0058	0.242	

DRILL HOLE NO. RDH 131

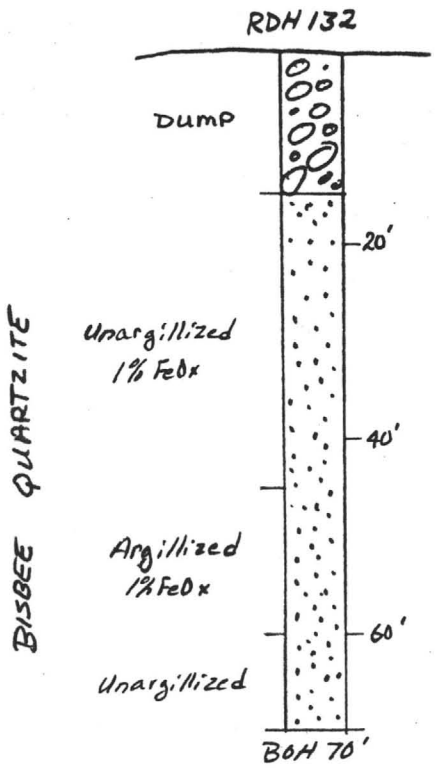
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/2/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



Oz/Ton Au	Oz/Ton Ag	
.06	1.30	
.03	.45	
.01	.20	
.01	.15	.006 / .13
Tr	.10	
.08	.25	
.01	.05	
.01	.05	.023 / .11
Tr	.10	
.01	.10	
.01	.10	
.01	.05	
.01	.05	.01 / .08
.01	.10	
AVG. 0.019	0.218	
9.5	2.18 =	

DRILL HOLE NO. RDH 132

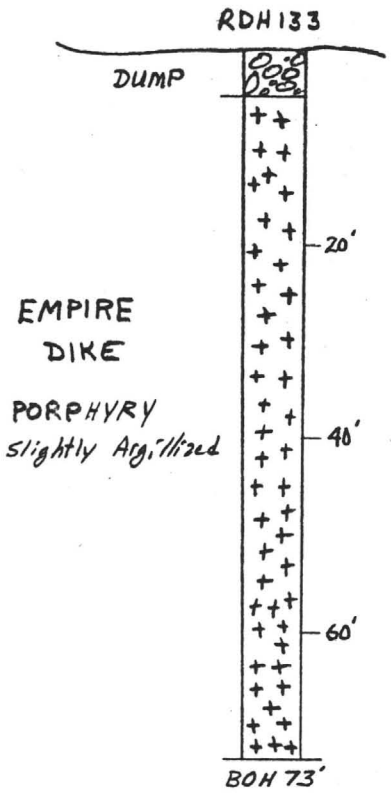
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/2/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	Oz/Ton Au	Ag	
	Tr	.40	
	Tr	.45	
	Tr	.10	.01 / .28
	.03	.10	
	.005	.45	
	.005	.35	
	Tr	.50	
	.005	.55	.006 / .73
	.01	1.40	
	.005	.85	
	Tr	.10	
	.005	.05	
	.005	.10	.004 / .1
	Tr	.15	
	NS	NS	
AVG.	0.0057	0.396	

DRILL HOLE NO. RDH 133

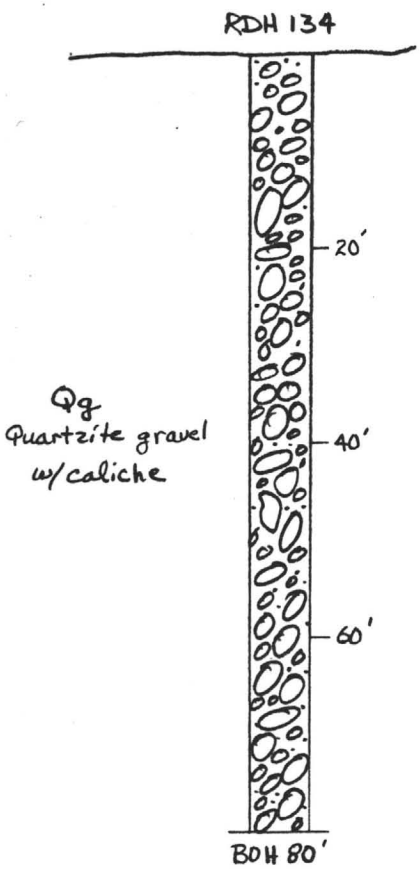
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/2/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



Oz/Ton Au	Ag	
.005	.30	
.005	0.05	.005/ .13
.005	.05	
Tr	.10	
		.003/ .10
Tr	.10	
.005	1.05	
		.006/ 0.5
.01	.30	
Tr	.15	

DRILL HOLE No. RDH 134

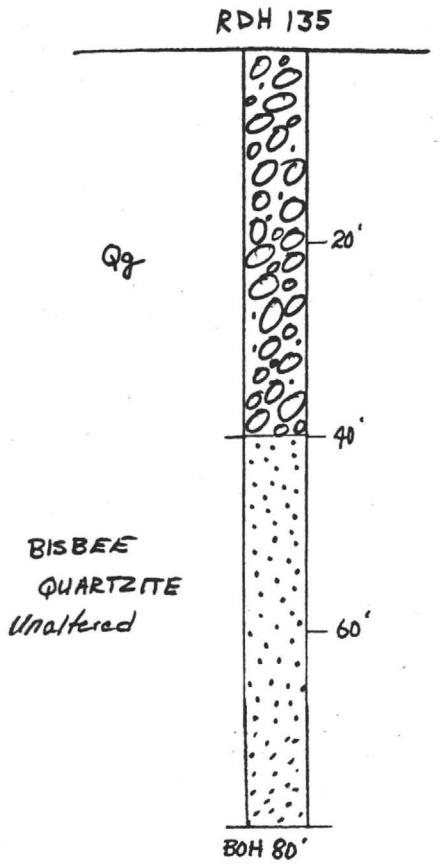
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/5/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	Oz/Ton Au	Ag	
	Tr	.10	
	.01	.05	.008/.08
	.01	.05	
	.01	.10	
	.01	.10	
	.01	.05	
	.02	.05	.01/.09
	.005	.10	
	.005	.15	
	.005	.15	.005/.15
AVG	.0086	0.09	

DRILL HOLE NO. RDH 135

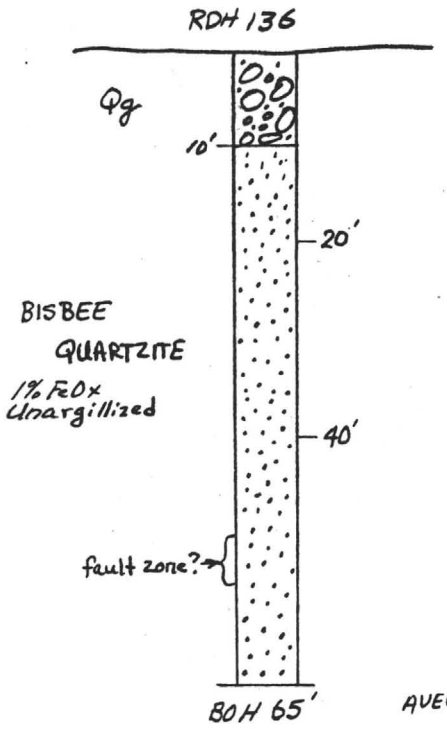
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: TRANQUILLITY SHAFT AREA

DATE DRILLED: 4/5/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	oz/ton Au	Ag	
	.01	.20	
	Tr	.05	.005/.12
	.005	.15	
	.005	.15	
	Tr	.05	
	Tr	.05	
	Tr	.10	.005/.09
	.005	.10	
	.01	.15	
	Tr	.05	
	.005	.10	
	.005	.05	.004/.08
	Tr	.10	
AVERAGE	0.0046	0.10	

DRILL HOLE NO. RDH 136

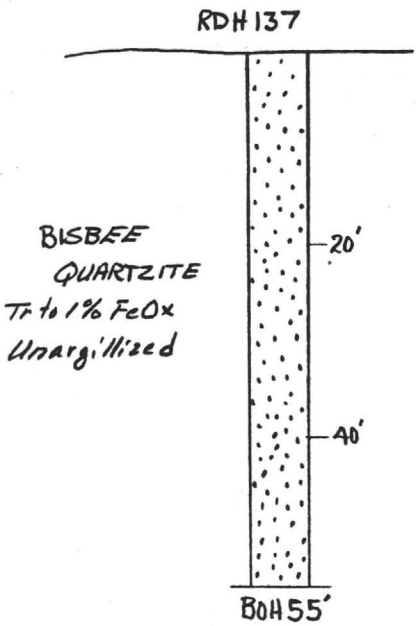
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 4/5/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	Oz/Ton Au	Ag
	.01	.20
	.005	.10
	Tr	.05
	.005	.10
	Tr	.05
	Tr	.05
	.005	.05
	.005	.05
	.005	.05
	.005	.10
	NS	NS
AVERAGE	0.0048	0.08

.005/.10

.005/.06

DRILL HOLE RDH 137

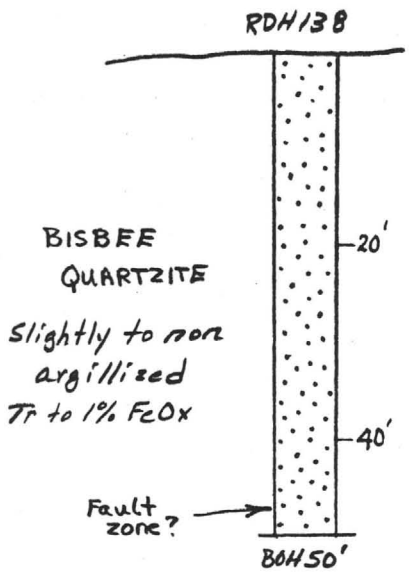
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 4/5/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



oz/Ton Au	Ag
.005	.10
Tr	.10
.01	.10
.01	.10
.03	.45
.03	.75
.01	.45
.01	.10
.005	.05
.01	.05
AVERAGE 0.0123	0.225

.012/.17

AVERAGES 0.016, 0.325

.013/.28

DRILL HOLE NO. RDH 138

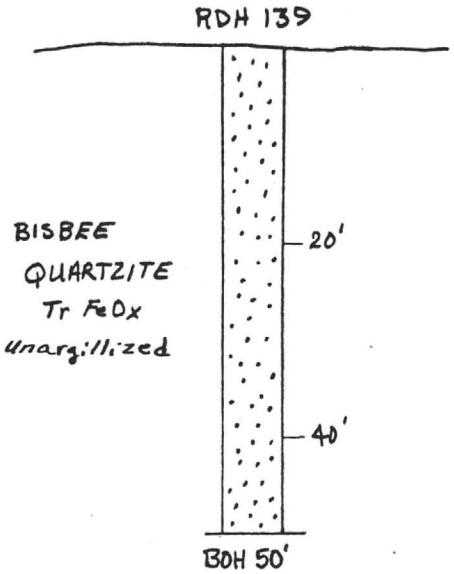
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ

LOCATION: SKIP SHAFT AREA

DATE DRILLED: 4/6/76 DRAWN BY: E. Speer 4/76

LOGGED BY: E. Speer SCALE: 1" = 20'



	Oz/Ton Au	Ag
	.01	.15
	Tr	.10
	Tr	.15
	.005	.05
	Tr	.10
	.005	.10
	.005	.05
	Tr	.05
	Tr	.10
	.005	.10
AVG	.0043	0.095

.005 / .11

.004 / .08

DRILL HOLE NO. RDH 139

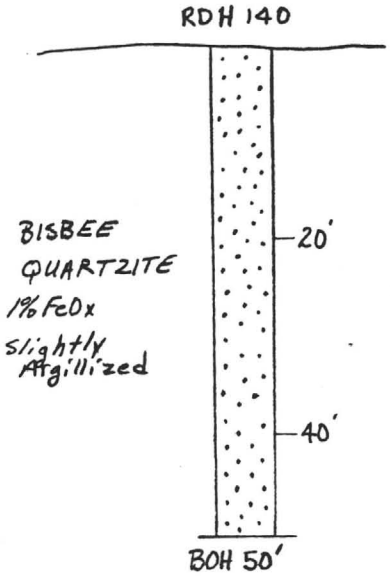
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: EMPIRE SHAFT AREA

DATE DRILLED: 4/6/76 DRAWN BY: E. Speer

LOGGED BY: E. Speer SCALE: 1" = 20' 4/76



	Oz/Ton Au	Ag	
	.005	.05	
	Tr	.05	.003/.08
	Tr	.10	
	Tr	.05	
	Tr	.15	
	.01	.15	
	.005	.10	
	.005	.05	.005/.09
	Tr	.05	
	Tr	.10	
AVG	0.004	0.085	

DRILL HOLE NO. RDH 140

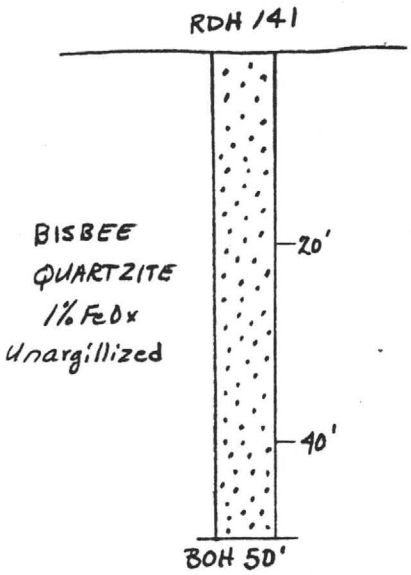
DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: EMPIRE SHAFT AREA

DATE DRILLED: 4/6/76 DRAWN BY: E. Speer

LOGGED BY: E. Speer SCALE: 1" = 20' 4/76



Oz/Ton Au	Oz/Ton Ag	
.005	.10	
Tr	.05	.004/.1
.005	.10	
Tr	.10	
Tr	.15	
Tr	.05	
.005	.10	
Tr	.05	.005/.07
.01	.05	
.005	.10	
AVG .0043	0.085	

DRILL HOLE NO. RDH 141

DRILL HOLE SECTION

PROJECT: TOMBSTONE COCHISE CO., AZ.

LOCATION: EMPIRE SHAFT AREA

DATE DRILLED: 4/6/76 DRAWN BY: E. Speer

LOGGED BY: E. Speer SCALE: 1" = 20' 4/76

ASSAY RESULTS FERRDH 46-141 ONE SAMPLE ...

74

1435 S. 10th AVE.
P. O. BOX 1889

Jacobs Assay Office

Registered Assayers

PHONE 622-0813

DUPLICATE

Certificate No. 7631

TUCSON, ARIZONA 85702. April 16 1976

Sample Submitted by Mr. 71 Minerals Corbstone Az.

SAMPLE MARKED	X	OZ./TON Au	OZ./TON Ag
R.D.H-109 0-10		0.005	0.10
10-15		Trace	0.15
15-20		0.005	0.10
20-25		0.005	0.05
25-30		Trace	0.05
30-35		0.005	0.10
35-40		Trace	0.05
40-45		0.005	0.15
45-50		0.005	0.15
50-55		0.005	0.05
55-60		Trace	0.10
R.D.H-111 0-10		0.005	0.15
10-15		Trace	0.05
15-20		0.005	0.05
20-25		0.005	0.10
25-30		Trace	0.10
30-35		Trace	0.05
35-40		0.005	0.15
40-45		0.005	0.15
45-50		Trace	0.10
50-55		0.005	0.10
55-60		Trace	0.05
R.D.H-111 0-10		0.005	0.05
10-15		0.005	0.05
15-20		Trace	0.10
20-25		Trace	0.05
25-30		0.005	0.15
30-35		0.005	0.15
35-40		0.01	0.10
40-45		Trace	0.05
45-50		0.005	0.10
50-55		Trace	0.05
55-60		0.005	0.10
R.D.H-112 0-15		Trace	0.05
15-20		0.005	0.05

SAMPLE MARKED	X	OZ./TON Au	OZ./TON Ag
R.D.H-112-20-25		Trace	0.10
25-30		Trace	0.15
30-35		0.005	0.05
35-40		0.005	0.10
40-45		Trace	0.05
45-60		Trace	0.05
50-55		Trace	0.10
55-60		0.005	0.15
R.D.H-113 - 0-10		Trace	0.05
10-15		0.005	0.10
15-20		0.005	0.10
20-25		0.005	0.10
25-30		Trace	0.05
30-35		0.005	0.10
35-40		Trace	0.10
40-45		0.005	0.05
45-50		0.005	0.10
50-55		0.01	0.15
55-60		0.005	0.10
R.D.H-114 - 0-15		Trace	0.05
15-20		0.005	0.10
20-25		Trace	0.05
25-30		Trace	0.15
30-35		0.01	0.15
35-40		0.005	0.15
63-65		0.005	0.10
65-70		0.01	0.15
70-75		Trace	0.10
75-80		0.01	0.10
R.D.H-115 0-10		0.005	0.05
10-15		0.005	0.05
15-20		Trace	0.05
20-25		0.01	0.10
25-30		0.01	0.10
30-35		0.005	0.05

• Gold Figured $35.00 per oz. Troy

76

Very respectfully,

Ben D. Jacobs

Charges $ 35.00

1435 S. 10th AVE.
P. O. BOX 1889

DUPLICATE

Jacobs Assay Office

Registered Assayers

TUCSON, ARIZONA 85702

April 16 1976

Certificate No. 54632

Sample Submitted by Mr. 71 Mineola Tombstone Ariz

SAMPLE MARKED	X	oz/ton Au	oz/ton Ag
R.D.H.-115 35-40		0.005	0.10
40-45		Trace	0.05
45-50		0.005	0.20
50-55		0.01	0.05
55-60		Trace	0.20
R.D.H.-116 0-10		Trace	0.20
10-15		0.005	0.10
15-20		Trace	0.05
20-25		0.005	0.05
25-30		Trace	0.05
30-35		0.005	0.10
35-40		0.005	0.05
45-50		0.005	0.05
50-55		0.07	2.20
55-60		0.07	1.05
R.D.H.-124 20-25		Trace	0.05
25-30		Trace	0.05
30-35		0.005	0.10
35-40		0.005	0.05
40-45		Trace	0.05
45-50		Trace	0.10
50-55		0.005	0.05
55-60		0.005	0.05
60-65		0.01	0.10
65-70		0.005	0.05
70-75		0.005	0.05
75-80		Trace	0.10
R.D.H.-168 5-10		Trace	0.10
10-15		0.005	0.05
15-20		Trace	0.05
20-25		Trace	0.10
25-30		0.005	0.10
30-35		0.005	0.05
35-40		Trace	0.05
40-45		Trace	0.10

SAMPLE MARKED	X	oz/ton Au	oz/ton Ag
R.D.H.-108 45-50		0.005	0.05
50-55		0.005	0.10
55-60		Trace	0.15
R.D.H.-136 0-5		0.01	0.20
5-10		Trace	0.15
10-15		0.005	0.15
15-20		0.005	0.15
20-25		Trace	0.05
25-30		Trace	0.05
30-35		Trace	0.10
35-40		0.005	0.10
40-45		0.01	0.15
45-50		Trace	0.05
50-55		0.005	0.10
55-60		0.005	0.05
60-65		Trace	0.10
R.D.H.-137 0-5		0.01	0.20
5-10		0.005	0.10
10-15		Trace	0.05
15-20		0.005	0.10
20-25		Trace	0.05
25-30		Trace	0.05
30-35		0.005	0.05
35-40		0.005	0.05
40-45		0.005	0.05
45-50		0.01	0.10
R.D.H.-138 0-5		0.005	0.10
5-10		Trace	0.10
10-15		0.01	0.10
15-20		0.01	0.10
20-25		0.03	0.45
25-30		0.03	0.75
30-35		0.01	0.45
35-40		0.01	0.10
40-45		0.005	0.05

REGISTERED ASSAYER
CERTIFICATE EXPIRES
1041
BENJAMIN P. JACOBS
APR. 15 76

* Gold Figured $35.00 per oz. Troy

Very respectfully,

Ben P. Jacobs

Charges $ 350.00

76

6435 S. 10th AVE.
P. O. BOX 1889

DUPLICATE

Jacobs Assay Office

Registered Assayers

PHONE 622-0813

Certificate No. 54636

TUCSON, ARIZONA 85702. April 23 1976

Sample Submitted by Mr. 71 Minerals Tombstone Ag.

SAMPLE MARKED	X	OZ/TON Au	OZ/TON Ag
R.D.H.-129 10-15		0.01	0.05
15-20		Trace	0.05
20-25		Trace	0.10
25-30		0.02	0.35
30-35		0.005	0.05
35-40		0.005	0.10
40-45		Trace	0.10
45-50		0.005	0.10
50-55		0.005	0.15
55-60		0.01	0.20
R.D.H.-130 - 0-5		0.005	0.05
5-10		Trace	0.20
10-15		0.005	0.35
15-20		0.01	0.35
20-25		0.005	0.15
25-30		0.005	0.05
30-35		Trace	0.65
35-40		Trace	0.40
40-45		0.01	1.05
45-50		Trace	0.60
50-55		0.01	0.90
55-60		Trace	0.25
60-65		0.005	0.05
65-70		0.01	0.15
R.D.H.-129 - 0-5		Trace	0.15
5-10		Trace	0.05
10-15		0.01	0.10
15-20		0.005	0.05
20-25		0.01	0.10
25-30		Trace	0.10
30-35		Trace	0.05
35-40		0.01	0.30
40-45		Trace	0.25
45-50		0.005	0.10
50-55		Trace	0.10

SAMPLE MARKED	X	OZ/TON Au	OZ/TON Ag
R.D.H.-129 -55-60		0.005	0.10
60-65		Trace	0.15
65-70		Trace	0.10
R.D.H.-131 - 0-5		0.02	0.50
5-10		0.005	0.10
10-15		0.005	0.05
15-20		0.005	0.05
20-25		Trace	0.05
25-30		0.01	0.10
30-35		Trace	0.10
R.D.H.-131 - 35-40		0.005	0.20
40-45		0.005	0.65
45-50		Trace	0.25
50-55		0.005	0.30
55-60		0.005	0.30
60-65		Trace	0.20
R.D.H.-132 0-5		0.06	1.30
5-10		0.03	0.45
10-15		0.01	0.20
15-20		0.01	0.15
20-25		Trace	0.10
25-30		0.08	0.25
30-35		0.01	0.05
35-40		0.01	0.05
40-45		Trace	0.10
45-50		0.01	0.10
50-55		0.01	0.10
55-60		0.01	0.05
60-65		0.01	0.05
65-70		0.01	0.10
R.D.H.-133 - 0-5		Trace	0.40
5-10		Trace	0.45
10-15		Trace	0.10
15-20		0.03	0.10
20-25		0.005	0.45

* Gold Figured $35.00 per oz. Troy

Very respectfully,

Ben Jacobs

Charges $ 350.00

76

1435 S. 10th AVE.
P. O. BOX 1889

Jacobs Assay Office

Registered Assayers

PHONE 622-0813

77

DUPLICATE

TUCSON, ARIZONA 85702

April 23 1976

Certificate No. 59637

Sample Submitted by Mr. 71 Minerals Tombstone Ariz.

SAMPLE MARKED	X	oz/ton Au	oz/ton Ag
R.D.H.-133 - 25-30		0.005	0.35
30-35		Trace	0.50
35-40		0.005	0.55
40-45		0.01	1.40
45-50		0.005	0.85
50-55		Trace	0.10
55-60		0.005	0.05
60-65		0.005	0.10
65-70		Trace	0.15
R.D.H.-134 0-5		0.005	0.30
10-15		0.005	0.05
20-25		0.005	0.05
30-35		Trace	0.10
40-45		Trace	0.10
50-55		0.005	1.05
60-65		0.01	0.30
70-75		Trace	0.15
R.D.H.-135 - 30-35		Trace	0.10
35-40		0.01	0.05
40-45		0.01	0.05
45-50		0.01	0.10
50-55		0.01	0.10
55-60		0.01	0.05
60-65		0.02	0.05
65-70		0.005	0.10
70-75		0.005	0.15
75-80		0.005	0.15
R.D.H.-139 0-5		0.01	0.15

SAMPLE MARKED	X	oz/ton Au	oz/ton Ag
R.D.H.-139 - 5-10		Trace	0.10
10-15		Trace	0.15
15-20		0.005	0.05
20-25		Trace	0.10
25-30		0.005	0.10
30-35		0.005	0.05
35-40		Trace	0.05
40-45		Trace	0.10
45-50		0.005	0.10
R.D.H.-140 - 0-5		0.005	0.05
5-10		Trace	0.05
10-15		Trace	0.10
15-20		Trace	0.05
20-25		Trace	0.15
25-30		0.01	0.15
30-35		0.005	0.10
35-40		0.005	0.05
40-45		Trace	0.05
45-50		Trace	0.10
R.D.H.-141 - 0-5		0.005	0.10
5-10		Trace	0.05
10-15		0.005	0.10
15-20		Trace	0.10
20-25		Trace	0.15
25-30		Trace	0.05
30-35		0.005	0.10
35-40		Trace	0.05
40-45		0.01	0.05
45-50		0.005	0.10

76

• Gold Figured $35.00 per oz. Troy

Very respectfully,

Ben D. Jacobs

Charges $ 25.00

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(1)

MEMO

TO: Richard F. Hewlett

SUBJECT: Proposed Drilling in Skip Shaft Area, Tombstone

FROM: Ed Speer

DATE: March 10, 1976

An area of anomalous soils 200 ft. by 240 ft. has been defined by geochemical sampling (see sketch map). The actual area may be much larger since the Empire and Tranquillity dumps are adjacent to the anomalous area. Likewise the ground south of the Skip Shaft fissure is covered by post ore alluvium.

I is proposed that drilling begin in the anomalous area (10 holes at 50 ft. each) and expand into the areas covered by dumps or gravels. Drill holes 50 ft. apart on grid lines 100 ft. apart would be adequate.

Some 200,000 tons are possible within 50 ft. of the surface in the anomalous area. It is expected that 2 to 4 times as much ore will be developed within 50 feet of the surface by proper drilling adjacent areas.

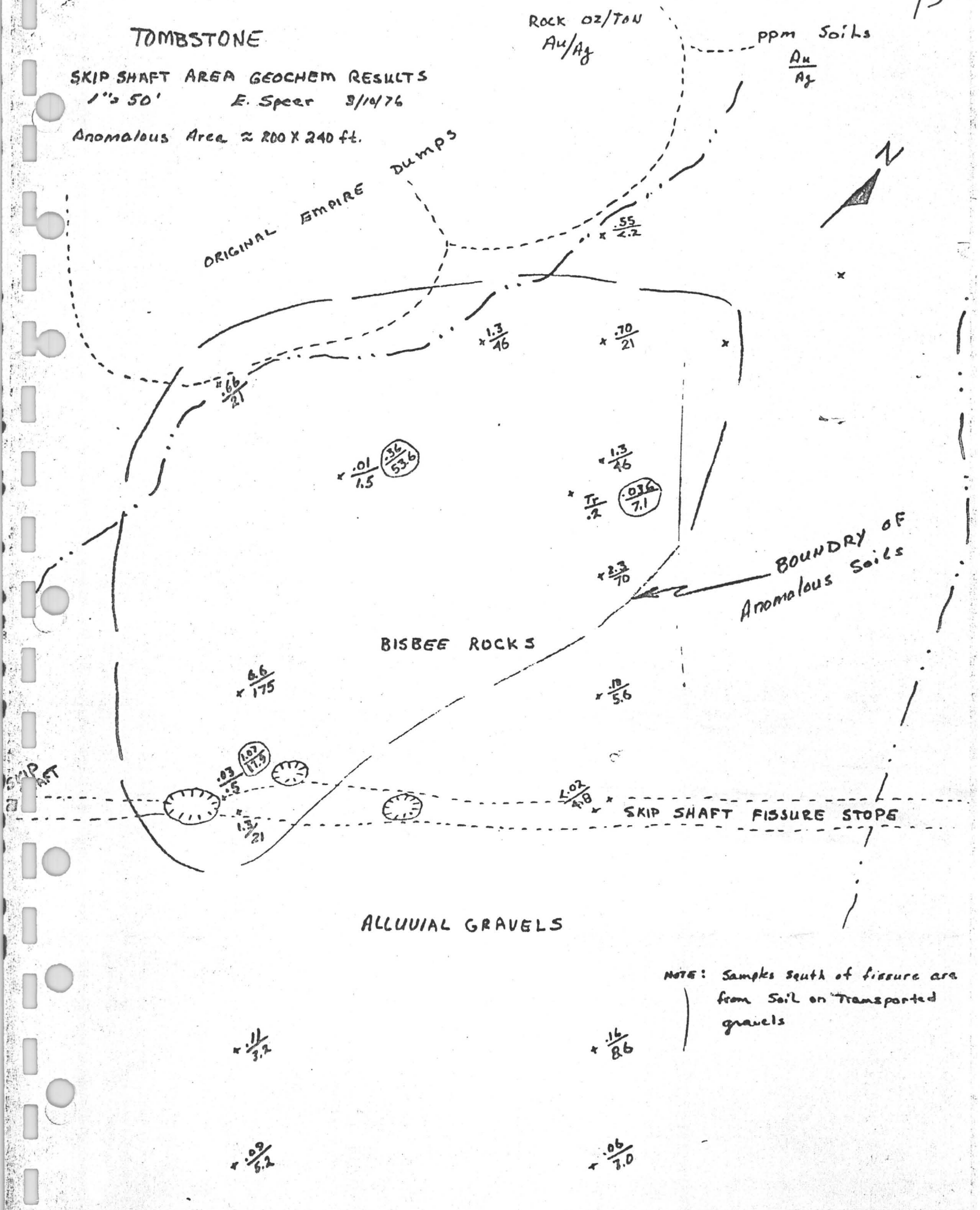
Geochemical soil sampling is recommended for all potential open pit areas at Tombstone. The results in the Skip Shaft area clearly show the value of such sampling prior to drilling or mining.

Ed Speer

TOMBSTONE

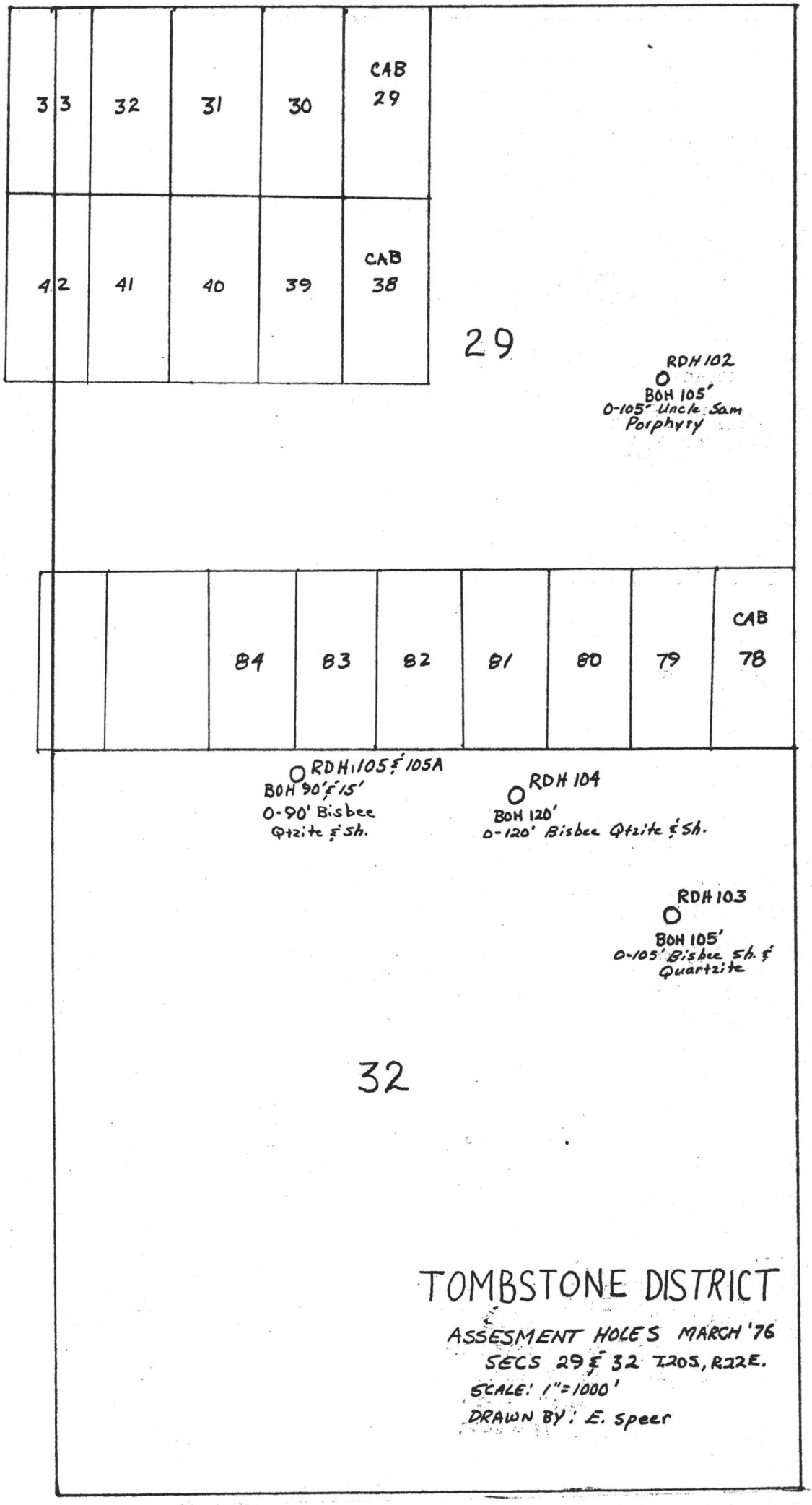
SKIP SHAFT AREA GEOCHEM RESULTS
1" = 50' E. Speer 3/10/76

Anomalous Area ≈ 200 X 240 ft.



NOTE: Samples south of fissure are from Soil on Transported gravels

TMR-1976


3
3
32
31
30
CAB
29
42
41
40
39
CAB
38
29
RDH 102
BOH 105'
0-105' Uncle Sam
Porphyry
84
83
82
81
80
79
CAB
78
RDH 105 & 105A
BOH 90' & 15'
0-90' Bisbee
Qtzite & Sh.
RDH 104
BOH 120'
0-120' Bisbee Qtzite & Sh.
RDH 103
BOH 105'
0-105' Bisbee Sh. &
Quartzite
32
TOMBSTONE DISTRICT
ASSESMENT HOLES MARCH '76
SECS 29 & 32 T.20S, R22E.
SCALE: 1"=1000'
DRAWN BY: E. Speer