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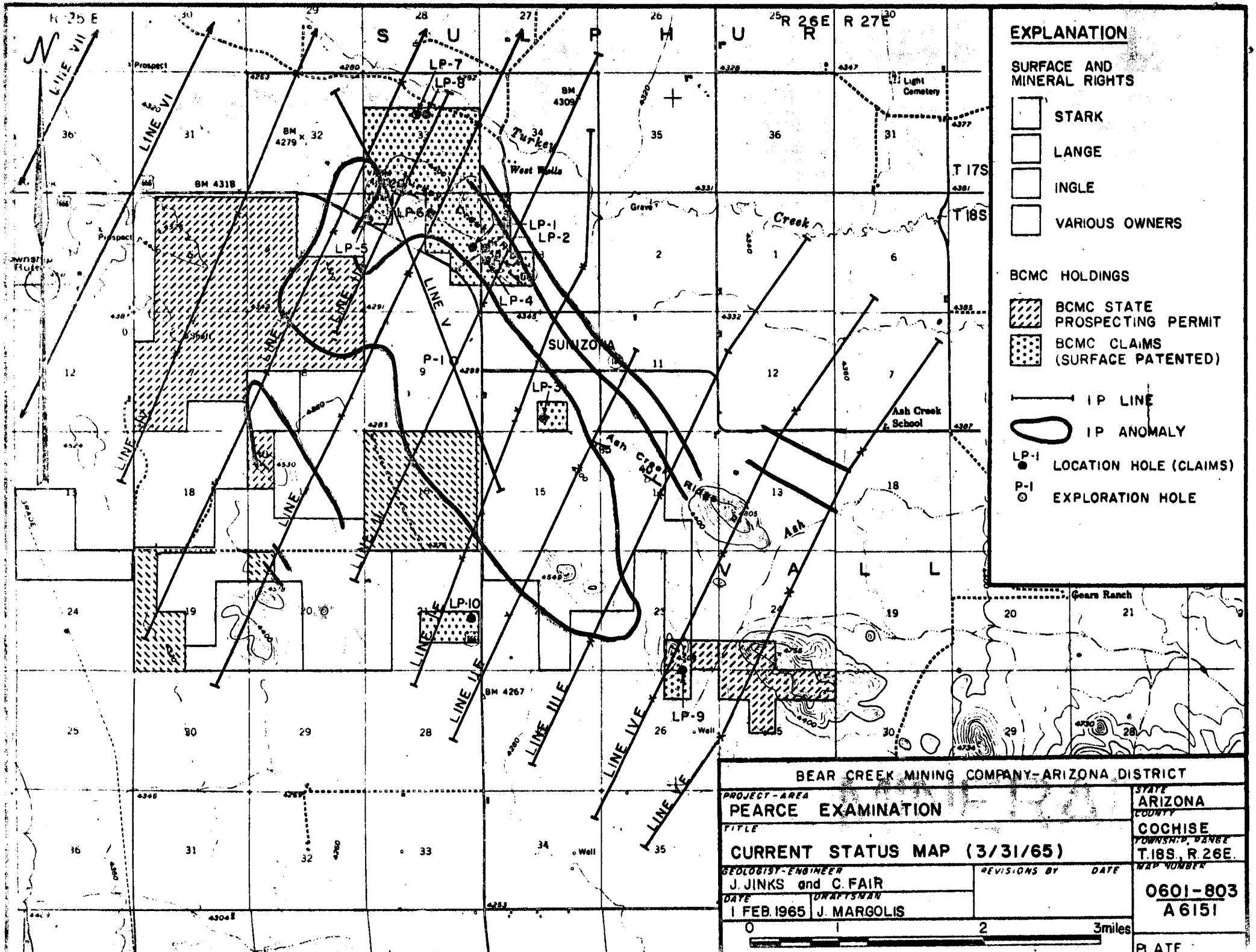

EXPLANATION
SURFACE AND MINERAL RIGHTS
STARK
LANGE
INGLE
VARIOUS OWNERS
BCMC HOLDINGS
BCMC STATE PROSPECTING PERMIT
BCMC CLAIMS (SURFACE PATENTED)
IP LINE
IP ANOMALY
LP-1 LOCATION HOLE (CLAIMS)
P-1 EXPLORATION HOLE
S U L P H U R
V A L L
R 25 E
R 26 E
R 27 E
T 17S
T 18S
LINE VII
LINE VI
LINE V
LINE IV
LINE III
LINE II
LINE I
LINE IV E
LINE V E
LP-1
LP-2
LP-3
LP-4
LP-5
LP-6
LP-7
LP-8
LP-9
LP-10
P-1
SUNIZONA
Turkey
West Wells
Creek
Ash Creek Ridge
Ash
Ash Creek School
Light Cemetery
Gears Ranch
Prospect
BM 4309
BM 4279
BM 4318
BM 4267
Well
0 1 2 3miles
BEAR CREEK MINING COMPANY-ARIZONA DISTRICT
PROJECT-AREA
PEARCE EXAMINATION
TITLE
CURRENT STATUS MAP (3/31/65)
GEOLOGIST-ENGINEER
J. JINKS and C. FAIR
DATE
1 FEB. 1965
DRAFTSMAN
J. MARGOLIS
REVISIONS BY
DATE
STATE
ARIZONA
COUNTY
COCHISE
TOWNSHIP, RANGE
T.18S., R.26E.
MAP NUMBER
0601-803
A 6151
PLATE

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

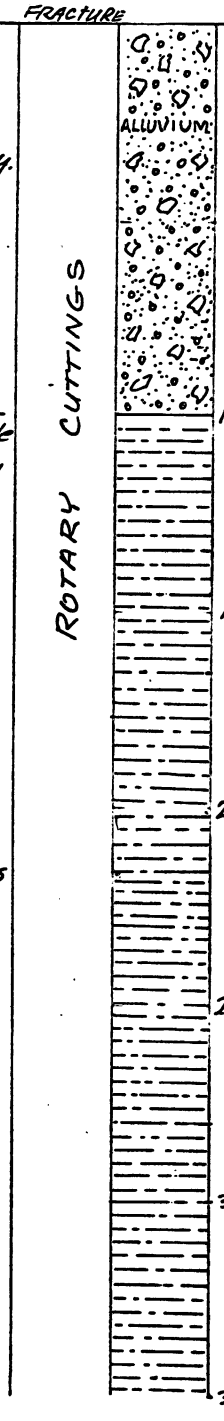
PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE 2.5 S. on I.P. Line I S.W. ¼; S.E. ¼; N.E. ¼ Sec 9
COLLAR ELEVATION (ESTIMATED) 4295 TOTAL DEPTH
INCLINATION Vertical DRILLING PERIOD GEOLOGIST Reynolds

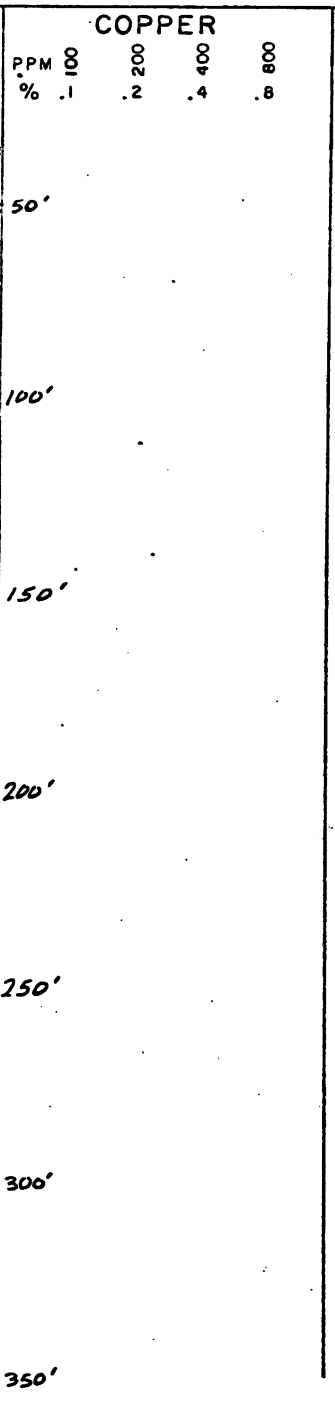
GEOLOGY

Alluvium - Composed of rounded to sub-angular quartz grains, sanidine, white and red feldspar, magnetite, biotite, fragments of rhyolite, clay. It is mostly a fine sand with some pieces of pebble size. It is a pinkish yellow in color.

Shale - argillaceous, micaceous, fissle Mostly black in color but gray when weathered. (from 100' to 140' it is weathered to a gray color). The shale is very soft and breaks easily along bedding planes. It has a satin-like sheen on partings and a waxy luster when scratched. It has a greasy to soapy feel. It is not calcareous in the weather portions but is slightly calcareous in the fresh rock. Pyrite << 1% occurs as very fine disseminations and tiny clots of crystals — also as discontinous fillings along some partings. Some small calcite stringers.



METALLIZATION



PICTORIAL LOG

P-1
2 of

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE 2.5 S. on I.P. Line 1 S.W. 1/4; S.E. 1/4; N.E. 1/4 Sec. 9
COLLAR ELEVATION (ESTIMATED) 4295 TOTAL DEPTH
INCLINATION Vertical DRILLING PERIOD GEOLOGIST Reynolds

GEOLOGY		METALLIZATION
Shale. argillaceous, micaceous, fissle. Mostly black in color but a few gray. The shale is very soft and breaks easily across and along bedding planes. IT has a satin-like sheen on partings and a waxy luster when scratched. IT has a greasy to soapy feel. IT is slightly calcareous. Pyrite << 1% occurs as very fine disseminations and as tiny clots of crystals. Also as discontinous fillings along some partings. Some small calcite stringers.	ROTARY CUTTINGS	COPPER PPM 100 200 400 800 % .1 .2 .4 .8
Shale - Do - Except more pyrite. Possibly - pyrite ≈ 1% (est.)		
Shale - Do -		
Quartzite - clear, Translucent, milky white to dark gray. Amorphous quartz grains cemented by calcite. Some calcite stringers. Pyrite occurs disseminated sporadically. Possibly 1-2% (est.)		

Depth scale: 400', 450', 500', 550', 600, 605'

PICTORIAL LOG

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

Pearce EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE 2.5' S. on IP line I SW4 SE4 NE4 section 9
COLLAR ELEVATION (ESTIMATED) 4295' TOTAL DEPTH
INCLINATION Vert. DRILLING PERIOD 0-710' 4/3 - 4/15'/65' GEOLOGIST Jinks

GEOLOGY			METALLIZATION
		COPPER PPM 100 200 400 800 % .1 .2 .4 .8	
		600'	
Black shale, sand stone, and limestone, thin bedded, drills hard. Cuttings mostly shale with abundant quarte grains, abundant to minor calcareous material. Trace amounts of pyrite in most samples. Bottom core run slightly meta morphosed.	Core Rotary Cuttings	650' 700'	Traces of fine grained pyrite.
	Core		

PICTORIAL LOG Lp-1 (Core)

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE S.E. Cor. AP 13 - N50°W - 107' To Lp-1
COLLAR ELEVATION (ESTIMATED) 4360 TOTAL DEPTH 116.8
INCLINATION Vertical DRILLING PERIOD 2/27/65 To 3/5/65 GEOLOGIST Reynolds

GEOLOGY

Rhyolite - light to dark pink. Aphanitic groundmass with phenocrysts of quartz, opalescent sanidine, golden to black books of biotite and collapsed amygdules filled with fine grained sugary qtz. and feldspar. The rock has a mineral orientation in direction of flowage. The fractures are coated with a dark red clay-oxide. The rock appears fresh - no apparent alteration

Fractures

60° 1-5/ft.

60°-65° No Rec. 10'/ft.

35°-50° 1-5/ft.

35°-50° 5-10/ft.

OVERBURDEN

50'

100'

116.8'

COPPER

PPM	100	200	400	800
%	.1	.2	.4	.8

NONE SEEN

METALLIZATION

Very fine grained iron oxides after pyrite(?) and/or magnetite.

The iron oxides are yellow, yellow-orange in color with light yellow halos.

Oxides of iron << 1%

PICTORIAL LOG Lp-2 (Core)

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE SW. Cor AP23 - N88°E - 260.5' To Lp-2
COLLAR ELEVATION (ESTIMATED) 4380 TOTAL DEPTH 135.5'
INCLINATION Vertical DRILLING PERIOD 3/6/65 To 3/13/65 GEOLOGIST Reynolds

GEOLOGY

Rhyolite- light pink To gray in color. Mostly altered To clay. Rock highly sheared. Scattered books of bronze colored biotite. Scattered grains of magnetite. Original rock Texture is still apparent showing relic collapsed amygdules and quartz xtals and sanidine xtals. The groundmass is very soft and very fine grained probably composed of clay minerals. There is NO red oxide coatings on the fractures. No qtz. stringers evident.

SAME AS ABOVE

Rhyolite- Same as above - except rock is much fresher and redder in color. Appears To be identical To Rhyolite in hole Lp-1.

Fractures

Badly broken
Muck gouge and clay
10° ± 50°
10+/ft.
10°-45°
1-5/ft.
10+/ft
45°, 5°-65°
1-5/ft
60°, broken no gouge
45° 1-5/ft.
10+/ft
10+/ft.

OVER BURDEN

50'
100'
135.5'
150'

METALLIZATION

COPPER

PPM	100	200	400	800
%	.1	.2	.4	.8

NONE SEEN

No sulfides seen

PICTORIAL LOG Lp-3

Rotary cuttings

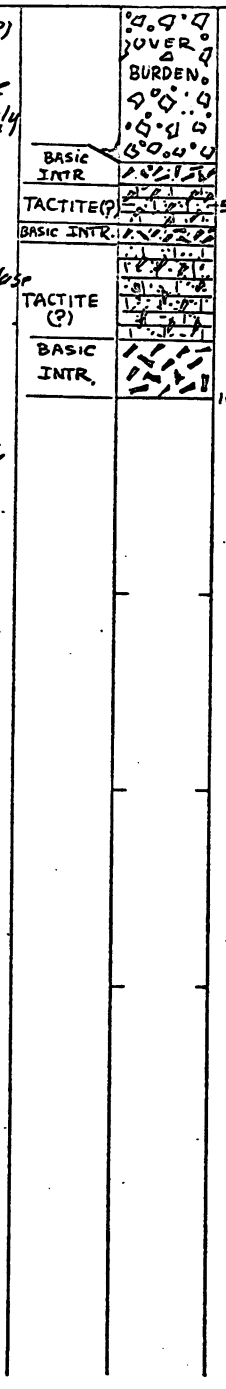
BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE S.W. Cor. Ap 9 - N 20°E - 325' To Lp-3
COLLAR ELEVATION (ESTIMATED) 4320 TOTAL DEPTH 100 feet.
INCLINATION Vertical DRILLING PERIOD 3/13/65 to 3/15/65 GEOLOGIST Reynolds

GEOLOGY

Composite rock - Basic Intrusive & Tactite(?) Dark to light green in color. The dark green coloration is due to the abundance (60%+) of ferro-magnesium minerals - Mainly hornblende and Epidote. Calcite is abundant as small stringers and intercrystalline. The calcite is colored clear-white to reddish. Biotite (<5%) is present. It is a dark green in color - altering to chlorite. There is abundant feldspar - mostly plagioclase but some orthoclase. The predominate feldspar is a milky white in color. No "definite" secondary K-spar was seen. There is some quartz but it is not abundant. (<10%). The light green chips are composed of complex silicates. Feldspar, Epidote, Garnet(?), Diopside. (Tactite?)



METALLIZATION

COPPER

PPM	8	20	40	80
%	.1	.2	.4	.8

NO COPPER SEEN

Some small grains of quartz stained with yellow iron oxide were seen in interval 50'-60'. FeOx <<< 1%

PICTORIAL LOG Lp-4

Rotary Cuttings

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE N.W. Cor. AP18 - S88°E - 267 feet To Lp-4
COLLAR ELEVATION (ESTIMATED) 4380 TOTAL DEPTH 170 feet
INCLINATION Vertical DRILLING PERIOD 3/13/65 to 3/16/65 GEOLOGIST Reynolds

GEOLOGY		METALLIZATION	
Rhyolite- light pink To gray in color. Mostly altered To clay. Scattered books of bronze colored biotite. Scattered grains of magnetite. Collapsed amygdules, quartz xtals and sanidine xtals are present. The ground-mass is very soft and very fine grained. (Aphanitic) probably composed of clay minerals. No quartz stringers evident. Same rock as in hole Lp-2.	Rotary cuttings	COPPER PPM 100 200 400 800 % .1 .2 .4 .8 NONE SEEN	No sulfides seen
Rhyolite - Same as above - except much redder in color. Appears to be identical to rhyolite in hole Lp-1.			

PICTORIAL LOG Lp-5

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

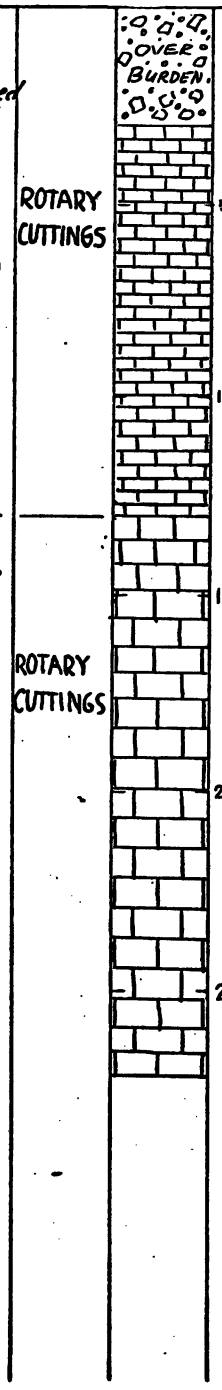
PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE S.W. Cor. AP 46 - N69°East - 283.5 ft. To Lp-5
COLLAR ELEVATION (ESTIMATED) 4350 TOTAL DEPTH 272'
INCLINATION Vertical DRILLING PERIOD 3/15/65 To 3/18/65 GEOLOGIST Reynolds

GEOLOGY

Limestone - Light brown to gray in color. Very fine grained. Has a salt & pepper Texture under bi-nocular scope. Composed of very small grains of quartz cemented Calcite. There are some small calcite stringers and fragments of calcite That were probably derived from larger stringers. There are some small dark particles - probably organic (carbonaceous)

Limestone - Dark gray to black (wet). Very fine grained. There are some small calcite stringers and fragments of calcite that were probably derived from larger stringers. Some dark carbonaceous spots.



METALLIZATION

COPPER
PPM 80 160 240 320
% .1 .2 .4 .8
NONE SEEN

Some small pyrite pseudomorphs - Limonite after pyrite. It appears To be << 1%.
No connection between the pyrite and calcite stringers - pyrite is disseminated (possibly syngenetic)

Pyrite is present as very fine disseminations. Probably < 1%

PICTORIAL LOG LP-6

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE SW. Corner Ap 40 - N8°E - 375.0 feet To LP-6
COLLAR ELEVATION (ESTIMATED) 4450 TOTAL DEPTH 170 feet
INCLINATION Vertical DRILLING PERIOD 3/17/65 to 3/19/65 GEOLOGIST Reynolds

GEOLOGY	Fractures		METALLIZATION	
Mudstone - Light gray to pink to red in color. Many stringers of gypsum. Only a small amount of calcite. There are some small nodules of red iron oxide-clay sporadically Through The core. These nodules are "in" and assc/w the gypsum stringers. The mudstone is Very fine grained and soft. IT is composed predominately of clay. Rock indicates an evaporite basin deposit.	Breaks on gypsum Stringers. Normally at low angles 0-15° 1-5/ft.	50' 100' 150'	COPPER PPM 80 200 400 800 % .1 .2 .4 .8 NONE SEEN	No sulfides seen.

PICTORIAL LOG LP-7

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE N.W. Cor. AP57 - S 25° E - 50' To LP-7
COLLAR ELEVATION (ESTIMATED) 4310 TOTAL DEPTH 222 feet
INCLINATION Vertical DRILLING PERIOD 3/19/65 To 3/23/65 GEOLOGIST Reynolds

GEOLOGY

Andesite - light gray to light purple-violet in color. There are many small prisms of hornblende altering to serpentine and/or chlorite, magnetite and possibly very fine grained epidote(?). Many of the hornblende phenocrysts have completely altered to calcite with a shell of iron oxides. The magnetite is altering to iron oxides. The matrix is aphanitic in texture and very soft. The plagioclase is probably altering to clay minerals, quartz, sericite(?) and calcite. Calcite is abundant as small clusters of crystals within the altered hornblende as well as within the matrix. The calcite occurs as very narrow hairline to .3" wide stringers. There are some faint crystal outlines of the feldspar in the matrix.

Andesite - Do - same as above. Much magnetite (1%+). The magnetite occurs as euhedral grains and as coatings on discontinous fractures and adj. to calcite stringers. The magnetite is altering to red oxides.

Andesite - Do - Same as above but much redder in color. Iron oxides are flooding the matrix.

Andesite - Do - light gray to light purple-violet good texture.

Andesite - Do - Same as above except last two feet is a red in color.

Fractures

OVER-BURDEN

ROTARY CUTTINGS

45°, 40°, 60° 1-5/ft.

Broken with Gouge

45°, 60° 1-10/ft.

Broken with Gouge

30°-45° 1-5/ft.

Broken

30°-45° 1-5/ft.

20°, 35°-40° 1-2/ft.

Shear

Broken

50'

100'

150'

200'

222'

METALLIZATION

COPPER

PPM	100	200	400	800
%	.1	.2	.4	.8

NONE SEEN

No sulfides seen

PICTORIAL LOG LP-8

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

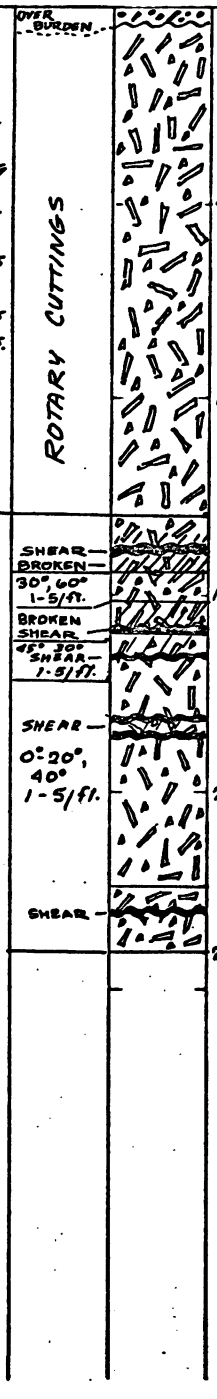
LOCATION OF HOLE N.E. Cor. AP59 - S24°W - 47.5' To LP-8
COLLAR ELEVATION (ESTIMATED) 4310 TOTAL DEPTH 241 feet
INCLINATION Vertical DRILLING PERIOD 3/24/65 To 3/26/65 GEOLOGIST Reynolds

GEOLOGY

Andesite - Light gray To light purple-violet There are many small prisms of hornblende which is altered or altering To serpentine, chlorite, Epidote(?) and magnetite. The prisms are coated and surrounded by iron oxides. The matrix is very fine grained and soft. The matrix minerals are probably altering To clay minerals, quartz, sericite(?) and calcite. The calcite occurs as small clusters of crystals within The altered hornblende and in The matrix. The calcite also occurs as very narrow stringers. There are some fragments of calcite indicating wider veins or clots of calcite along narrow stringers. There are some faint crystal outlines of feldspars in the matrix.

Andesite - Do - Same as above - except much redder in color - Due To flooding of matrix with oxides of iron.

Andesite - Do - light gray To purple-violet in color.



METALLIZATION

COPPER

PPM	0	200	400	800
%	.1	.2	.4	.8

NONE SEEN

No sulfides seen

PICTORIAL LOG LP-9

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

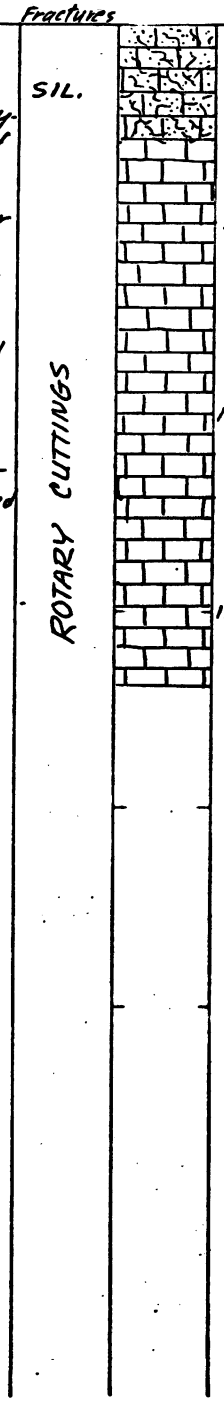
PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE N.E. Cor. AP 6 - S88°W - 434' To LP-9
COLLAR ELEVATION (ESTIMATED) 4340 TOTAL DEPTH 169
INCLINATION Vertical DRILLING PERIOD 3/26/65 To 4/1/65 GEOLOGIST Reynolds

GEOLOGY

Limestone - Mostly light salmon pink in color. Some red and light gray fragments. Some crystalline calcite - clear, flesh and white in color. Some quartz - clear to milky-euhedral crystals and amorphous. Some of the limestone fragments are silicified. There is some dark carbonate (not too reactive in dilute HCl) as veins assc/w clear calcite and quartz. It is possibly siderite. (dark brown in color). A few small cubes of pyrite altering to oxides were found adj. to a qtz. stringer. There are some very small spots of brick-red oxide disseminated throughout the limestone fragments (very-very fine grained). There are some very small splotches of manganese(?) or carbonaceous material disseminated in the limestone. The limestone is very fine-grained and slightly sandy.

SILICIFICATION - Occurs mostly in top 30' of hole - decreases with depth.



METALLIZATION

COPPER

PPM	80	200	400	800
%	.1	.2	.4	.8

NONE SEEN

Some orangeed iron oxides from 0-30'. The oxides are usually pseudomorphic after pyrite. The oxides are assc/w quartz.

PICTORIAL LOG LP-10

BEAR CREEK MINING COMPANY
ARIZONA DISTRICT

PEARCE EXAMINATION
COCHISE COUNTY, ARIZONA

LOCATION OF HOLE N.E. Center Mon. AP1 - S84°E - 117' To LP-10
COLLAR ELEVATION (ESTIMATED) 4280 TOTAL DEPTH 175'
INCLINATION Vertical DRILLING PERIOD 4/1/65 To 4/2/65 GEOLOGIST Reynolds

GEOLOGY

Alluvium - Mostly sand with some small pebbles - with much clay. It is composed of quartz grains, Sanidine feldspar, some mica and altered feldspars. The main rock Type That The alluvium was derived from was a rhyolite. The sand has a pinkish-yellow color.

Fractures

ROTARY CUTTINGS

METALLIZATION

COPPER

PPM	100	200	400	800
%	.1	.2	.4	.8

NONE SEEN

No sulfides seen.

North 16,590 | East 23,870 | Elev. 4609 (on ground) | Bearing 0' | Dip 0'

Started 1/24/80 | Completed | Length | Property Pearce, Arizona

DRILL RECORD

NW Corner PAN 72
80' E. of W. Side Line
45' S. of N. End Line

Purpose Page 1 of | Logged by SRM | Plotted

Hole No. P-1 | Shaft | Working | Section | Offset

Footage	ROCK TYPE	Description	MINERALIZATION	ALTERATION
0.0' - 25.0'	Volcanic Agglomerate	Light brown to grey to red volcaniclastic agglomerate. Rounded to angular fragments up to two inches interbedded with sandy zones up to two feet in length. Bedding in sandy zones 75° at 16.0'; 70° at 32.0'. Occasional fracturing with calcite and quartz vein filling. Moderate surface oxidation to a depth of 10.0'. Hematite coating on fractures.	12.2' - 1.0" wide calcite vn, 10° dip 14.0' - 15.2' Strong fracturing with calcite vns up to 1.0" wide & 2.0" vug lined with calcite 15.4' 0.5" Calcite vn, 15° dip 18.3' 5.0" Calcite quartz vn, 35° dip 0.5" to 1.0" vugs lined with calcite 19.0' 0.75" Quartz vn, 60° dip 19.9' - 21.6' 0.5" Quartz vn, 0° dip. 21.6' 1.0' wide calcite - quartz vn, 15° dip.	

SHEET NO. 2 of

DRILL RECORD

HOLE NO. P-1

Footage	ROCK TYPE	Description	MINERALIZATION	ALTERATION
25.0' - 52.0'	Volcanic Agglomerate	Light brown to grey to red volcaniclastic agglomerate rounded to angular fragments up to 1.5 inches in size interbedded with occasional sandy zones up to six inches in length. Bedding dips 75° at 42.8'. Occasional fracturing with quartz and calcite vein filling. Hematite present as coatings on fractures and locally strong in matrix and as vug fillings	25.5' - 0.5" wide quartz vn, 25° dip 31.6' - 0.5" calcite vn, 40° dip 35.0' - 37.0' 0.5" calcite vns numerous vugs some lined with calcite 37.2' - 38.0' - 3 0.5" calcite vns, all with 40° dip 39.2' - 0.5" calcite vn, 60° dip 45.9' - 1.25" calcite vn, 50° dip 47.0' - 3.5" calcite vn, 30° dip 50.0' - 0.5" calcite vn, 25° dip 51.2' - 1.0" calcite vn, 35° dip	

SHEET NO. 3 of

DRILL RECORD

HOLE NO. P-1

Footage	ROCK TYPE	Description	MINERALIZATION	ALTERATION
52.0' - 81.2'	Volcanic Agglomerate	Light brown to grey volcaniclastic agglomerate. Rounded to angular fragments up to two inches in size interbedded with occasional thin sandy zones. Some fracturing and brecciation with quartz and calcite vein fillings. Hematite present as coatings on fractures and vugs.	54.2' - 1.0' wide quartz vn, dips 30°, wht to gry banded, vuggy qtz some amethyst, hematite on fractures 63.8' - Calcite Vug 65.0' - 1.25" Quartz Vn, 0° dip 66.0' - 68.0 Calcite Vns & Vugs 68.3' - 0.5" wide calcite vn, 40° dip 71.0' - 72.0' 3 parallel calcite vns, 45° dip 78.1' - 3.0" wide banded, gry, wht Qtz vn. 79.0' - 81.6' calcite cemented breccia	72.0' Moderate silicification appears in groundmass

SHEET NO. 4

DRILL RECORD

HOLE NO. P-2

Footage	ROCK TYPE	Description	MINERALIZATION	ALTERATION
81.2' - 105.0'	Volcanic Agglomerate	Light grey to brown volcaniclastic agglomerate, rounded to angular fragments up to 1.0" in size interbedded with sandy zones up to 3.0" wide. Occasional fractures with Quartz and calcite vein filling. Hematite present on fractures and vugs. Bedding of sandy zones 70° at 96.4'.	82.3' - 0.25" calcite vn, 40° dip 84.8' - 3.0" wide Qtz vn, gry, wht and banded 89.3' - 3 1.0" wide, wht to gry banded Qtz vns. 95.1' - 1.0" wide Qtz - calcite vn, vertical. 95.6' - 1.0" wide Qtz - calcite vn, 35° dip 98.5' - 0.75" wide calcite vn, 30° dip 100.0' - 0.5" wide calcite vn, 75° dip 100.4' - 0.3" wide Qtz Vn 30° dip 104.0' - Stng Hm in fault zone 105.0' - Calcite lined vug	81.2' - 89.0' Moderate Silicification 89.0' - 90.8' Strongly Silicified 90.8' - 100.0' Moderate Silicification 104.0' - Clay gouge in fault

SHEET NO. 5

DRILL RECORD

HOLE NO. PP-1

Footage	ROCK TYPE	Description	MINERALIZATION	ALTERATION
105.0' - 134'	Banded Qtz - Cal vein	Banded quartz - calcite vein - White to grey quartz occuring as colored bands up to 1 cm thick, chalcedonic bands, drusy vug fillings, replacement of breccia fragments, and in combination with calcite as breccia matrix, White to black calcite occurs as colored bands, radiating boxwork, vug fillings, and fine grained throughout breccia matrix. Sericite is ubiquitous throughout the vein; Hematite is found on fractures; A silver mineral? possibly argentite? occurs as fracture fillings, blebs in vugs and finely disseminated in Quartz.	105.5' - Banded Brecciated Qtz Cal Vn 113.4' - Strg Bxwork Cal 114.9' - broken zone 115' - 123' - bx'd zone 122' - 134' - Ag mineralization, Argentite? dendritic coatings on fracs, blebs in vugs, diss in groundmass 124' - 134' Sericite picks up - fine-graind in Qtz	105.0' - Strongly silicified and Bx'd Trv

PROPERTY Pearce Project

SHEET NO. 1

HOLE NO. P-1

MINERALIZATION RECORD

Depth From	Depth To	Sample No.	Sample Length	% Assay	% Est.	Feet %	% Assay	% Est.	Feet %	% Assay	% Est.	Feet %	Assay	Est.		Assay	Est.		Core Rec.
10.0'	15.0'		5.0'																5.0'
18.0'	23.0'		5.0'																5.0'
23.0'	25.0'		2.0'																2.0'
35.0'	40.0'		5.0'																5.0'
47.0'	52.0'		5.0'																5.0'
52.0'	54.2'		2.2'																2.2'
54.2'	58.7'		4.5'																4.5'
58.7'	60.0'		1.3'																1.3'
65.0'	70.0'		4.8'																4.8'
77.9'	79.0'		1.1'																1.1'
79.0'	81.5'		2.5'																2.5'
84.2'	86.0'		1.8'																1.8'
89.0'	90.3'		1.3'																1.3'
95.0'	100.0'		5.0'																5.0'
100.0'	105.0'		4.5'																4.5'
105.0'	109.5'		4.0'																4.0'
109.5'	112.0'		2.1'																2.1'
112.0'	114.1'		2.0'																2.0'
114.1'	115.7'		1.4'																1.4'
115.7'	120.0'		4.1'																4.1'
120.0'	123.0'		3.7'																3.7'
123.0'	127.4'		3.9'																3.9'
127.4'	131.2'		3.6'																3.6'
131.2'	134.0'		2.8'																2.8'

PROPERTY Pearce Project

SHEET NO. 1

HOLE NO. P-1

MINERALIZATION RECORD

Depth From	Depth To	Sample No.	Sample Length	% Assay	% Est.	Feet %	% Assay	% Est.	Feet %	% Assay	% Est.	Feet %	Assay	Est.		Assay	Est.		Core Rec.
10.0'	15.0'		5.0'																5.0'
18.0'	23.0'		5.0'																5.0'
23.0'	25.0'		2.0'																2.0'
35.0'	40.0'		5.0'																5.0'
47.0'	52.0'		5.0'																5.0'
52.0'	54.2'		2.2'																2.2'
54.2'	58.7'		4.5'																4.5'
58.7'	60.0'		1.3'																1.3'
65.0'	70.0'		4.8'																4.8'
77.9'	79.0'		1.1'																1.1'
79.0'	81.5'		2.5'																2.5'
84.2'	86.0'		1.8'																1.8'
89.0'	90.3'		1.3'																1.3'
95.0'	100.0'		5.0'																5.0'
100.0'	105.0'		4.5'																4.5'
105.0'	109.5'		4.0'																4.0'
109.5'	112.0'		2.1'																2.1'
112.0'	114.1'		2.0'																2.0'
114.1'	115.7'		1.4'																1.4'
115.7'	120.0'		4.1'																4.1'
120.0'	123.0'		3.7'																3.7'
123.0'	127.4'		3.9'																3.9'
127.4'	131.2'		3.6'																3.6'
131.2'	134.0'		2.8'																2.8'

North 16,590 | East 23,870 | Elev. 4609 (on ground) | Bearing 0' | Dip 0'

Started 1/24/80 | Completed | Length | Property Pearce, Arizona

DRILL RECORD

NW Corner Pan 72
80' E. of W. Side Line
45' S. of N. End Line

Purpose Page 1 of | Logged by SRM | Plotted

Hole No. P-1 | Shaft | Working | Section | Offset

Footage	ROCK TYPE	Description	MINERALIZATION	ALTERATION
0.0' - 25.0'	Volcanic Agglomerate	Light brown to grey to red volcaniclastic agglomecate. Rounded to angular fragments up to two inches interbedded with sandy zones up to two feet in length. Bedding in sandy zones 75° at 16.0'; 70° at 32.0'. Occasional fracturing with calcite and quartz vein filling. Moderate surface oxidation to a depth of 10.0'. Hematite coating on fractures.	12.2' - 1.0" wide calcite vn, 10° dip 14.0' - 15.2' Strong fracturing with calcite vns up to 1.0" wide & 2.0" vug lined with calcite 15.4' 0.5" Calcite vn, 15° dip 18.3' 5.0" Calcite quartz vn, 35° dip 0.5" to 1.0" vugs lined with calcite 19.0' 0.75" Quartz vn, 60° dip 19.9' - 21.6' 0.5" Quartz vn, 0° dip. 21.6' 1.0' wide calcite - quartz vn, 15° dip.	

SHEET NO. 2 of

DRILL RECORD

HOLE NO. P-1

Footage	ROCK TYPE	Description	MINERALIZATION	ALTERATION
25.0' - 52.0'	Volcanic Agglomerate	Light brown to grey to red volcaniclastic agglomerate. rounded to angular fragments up to 1.5 inches in size interbedded with occasional sandy zones up to six inches in length. Bedding dips 75° at 42.8'. Occasional fracturing with quartz and calcite vein filling. Hematite present as coatings on fractures and locally strong in matrix and as vug fillings	25.5' - 0.5" wide quartz vn, 25° dip 31.6' - 0.5" calcite vn, 40° dip 35.0' - 37.0' 0.5" calcite vns numerous vugs some lined with calcite 37.2' - 38.0' - 3 0.5" calcite vns, all with 40° dip 39.2' - 0.5" calcite vn, 60° dip 45.9' - 1.25" calcite vn, 50° dip 47.0' - 3.5" calcite vn, 30° dip 50.0' - 0.5" calcite vn, 25° dip 51.2' - 1.0" calcite vn, 35° dip	

SHEET NO. 3 of

DRILL RECORD

HOLE NO. P-1

Footage	ROCK TYPE	Description	MINERALIZATION	ALTERATION
52.0' - 81.2'	Volcanic Agglomerate	Light brown to grey volcaniclastic agglomerate. Rounded to angular fragments up to two inches in size interbedded with occasional thin sandy zones. Some fracturing and brecciation with quartz and calcite vein fillings. Hematite present as coatings on fractures and vugs...	54.2' - 4.0' wide quartz vn, dips 30°, wht to gry banded, vuggy qtz some amethyst, hematite on fractures 63.8' - Calcite Vug 65.0' - 1.25" Quartz Vn, 0° dip 66.0' - 68.0' Calcite Vns & Vugs 68.3' - 0.5" wide calcite vn, 40° dip 71.0' - 72.0' 3 parallel calcite vns, 45° dip 78.1' - 3.0" wide banded, gry, wht Qtz vn. 79.0' - 81.6' calcite cemented breccia	72.0' Moderate silicification appears in groundmass