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A.I.Ch.E.

A.I.M.E.

**JAMES D. WILLIAMS**  
CHEMICAL ENGINEER  
MINERALS EXPLORATION & DEVELOPMENT

409 FELT BUILDING  
SALT LAKE CITY, UTAH 84111

TELEPHONE  
(801) 363-6566

P. O. BOX 1446  
SALT LAKE CITY, UTAH 84110

January 4, 1974

**AXM**

**JAN - 7 1974**

**RECEIVED**

Mr. Paul I. Eimon  
Manager of Exploration  
Essex International, Inc.  
1704 West Grant Road  
Tucson, Arizona 85705

Dear Mr. Eimon:

Thank you for your kind letter of January second.

Your inference drawn from my letter of December 24th., is partially correct in that we have been investigating such a possibility of operating the Buckskin on our own. However, as I suggested, there are a number of other options we are interested in such as a sale of the mine, a joint venture, an operating loan against concentrates; on some mutually agreeable basis to the parties concerned, since we feel that we have a very valuable property which is capable of supporting at least a 200 ton per day operation producing at least an annual operating profit of \$1,500,000 for a minimum of ten years.

I should very much look forward to meeting with you upon your next visit to Salt Lake for the opportunity to sell you upon the economic viability of the Buckskin.

Sincerely yours,

*James D. Williams*  
James D. Williams

JDW:s

January 2, 1974

Mr. James D. Williams  
P.O. Box 1446  
Salt Lake City, Utah 84110

Dear Mr. Williams:

This will acknowledge your letter of Dec. 24, 1973.

I gather from your letter that you intend to bring the Buckskin into production and would like to know if Essex is interested in buying the concentrates. We are currently investigating organizational solutions to the smelting and refining business and if any of the avenues we are now researching prove feasible we would be interested in long term contracts for concentrates. Could you please keep us informed of your plans, and I look forward to meeting you on my next trip to Salt Lake City.

Very truly yours,

Paul I. Eimon  
Manager of Exploration

ESSEX INTERNATIONAL, INC.

PIE:td

A.I.Ch.E.

A.I.M.E.

**JAMES D. WILLIAMS**  
CHEMICAL ENGINEER  
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December 24, 1973

**SXM**  
**DEC 27 1973**  
**RECEIVED**

Mr. Paul I. Eimon  
Manager of Exploration  
Essex International, Inc.  
1704 West Grant Road  
Tucson, Arizona 85705

Dear Mr. Eimon:

Many thanks for your prompt response to my letter report sent in care of Mr. Temple. I appreciate it very much, especially at this season of the year.

My discussion with Mr. Temple several weeks ago in Tucson was more in the nature of exploring possible markets for chalcopyrite-gold concentrates since my discussion with you on the telephone early last Fall seemed to indicate that Essex was limiting its exploration to deposits of the larger, and generally referred to as porphyry, type deposits with substantial tonnage potentials. However, when I mentioned that a simple 200 ton per day operation could produce about 1,000 tons of copper per year for a period in excess of 15 years based upon the presently delineated ore block plus some 12,000 ounces of gold per year and about 25,000 ounces of silver per year for the same 15 year period, he suggested that it might bear investigation by Essex.

Our estimated 500,000 tons currently indicated is by no means a limiting tonnage since this has been limited to 500 feet on strike and 400 feet in depth with a thickness of only 25 feet. We have no evidence that limits the ore zone either east or west along strike nor below the 400 foot level. Also, the actual ore zone averages almost 50 feet in thickness but we have taken the hangingwall 25 feet to give the best mining grade. As a matter of fact, since this development was done with personal family funds, our program was, of necessity, limited to a specific area most likely to yield tonnages and grades suitable for a viable operation.

Mr. Paul I. Eimon  
December 24, 1973  
Page Two.

With regard to additional property available in the vicinity of the Buckskin, I hold a selling agreement for three and a fraction patents immediately adjoining on the south (down dip from the Buckskin lode), but all the other land is covered by locations by Phelps Dodge to the East and Anaconda to the South, West and North. Currently, Anaconda has a drilling program in progress immediately to the South and North of the Buckskin. I think Anaconda's objective is probably a Yerington type ore body at depth.

The ore from the drill cores has been tested by The Booth Company, Salt Lake City and I quote you the conclusion stated, "Results shown on the attached data sheets indicate good metallurgical can be expected on both copper and gold using a conventional treatment scheme for sulfide copper".

There are many possible programs by which the Buckskin could be placed in operation with a minimum of time and money. Operating conditions are ideal. In the event Essex could become interested toward this end, I should be happy to negotiate any reasonable agreement either for sale or continuing operation.

Thank you for your kind consideration.

Sincerely yours,

*James D. Williams*  
James D. Williams

JDW:s

December 21, 1973

Mr. James D. Williams  
Lion Hill Mines  
P.O. Box 1446  
Salt Lake City, Utah 84110

Dear Mr. Williams:

This will acknowledge your letter of Dec. 10 to Mr. Dennis Temple. Mr. Temple is presently on vacation and I am taking the liberty of answering your letter.

We appreciate the material and information on the future of your Buckskin operation. Because of the magnitude of Essex' need for copper we generally would be interested in a larger property position than your six claims. Is there any chance that your position could be combined with surrounding ground to make a larger exploration consideration?

Thank you again for considering Essex.

Very truly yours,

Paul I. Eimon  
Manager of Exploration

ESSEX INTERNATIONAL, INC.

PIE:td

cc: D.C. Temple

THIS IS A VEIN GOLD-COPPER  
OCCURRENCE, FAIRLY WELL DEVELOPED.  
NOT MANY CLAIMS OR TONS OR POTENTIAL  
-BUT IT PROBABLY IS IN THE HALO  
OF A PORPHYRY COPPER THAT NO  
ONE HAS FOUND YET. SEVERAL  
YEARS AGO P-D, ANACONDA, ET AL  
SURROUNDED THIS PROPERTY AND HAD  
TIED UP BEST GROUND. DONT  
KNOW STATUS NOW. GOOD PLACE  
TO BE (BETTER THAN COLORADO?)  
BUT LAND SITUATION DIFFICULT  
AND THIS PROPERTY NOT WORTH A LOT.  
PROBABLY ON SAME STRUCTURAL?  
FEATURE AS YERINGTON & ANN-MASON  
OREBODIES, 8 OR 10 ~~MILES~~ MILES  
AWAY.

KEN.

12-21-73

A.I.Ch.E.

A.I.M.E.

**JAMES D. WILLIAMS**  
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December 10, 1973

**SXM**  
**DEC 14 1973**  
**RECEIVED**

Mr. Dennis C. Temple  
Exploration Geologist  
Essex International, Inc.  
1704 West Grant Road  
Tucson, Arizona 85705

Dear Mr. Temple:

My telephone conversation with you several weeks ago while in Tucson was most enjoyable and informative with regard to your possible interest in the future of the Buckskin operation.

As an after thought, I felt that it might be of helpful value to forward you the enclosed summaries of our work to date clearly setting forth the grade and tonnage of ore available for immediate mining. With the current price for gold and copper even Essex should be interested in this profit potential.

Will you please bring this to the attention of Mr. Paul Eimon at your earliest convenience.

Thank you for your kind consideration.

Sincerely yours,

*James D. Williams*  
James D. Williams  
Lion Hill Mines.

JDW:s  
Encl. (2).

**JAMES D. WILLIAMS**  
CHEMICAL ENGINEER  
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BUCKSKIN MINE

LOCATION

The Buckskin Mine is situate in Section 13, Township 13 North, Range 23 East and Section 18, Township 13 North, Range 24 East, Mt. Diablo Base and Meridian, in the extreme easterly portion of Douglas County, Nevada, six miles due West from the Yerington Copper Pit of The Anaconda Company. The Town of Yerington is about 15 miles easterly via a good gravel County road.

The Mine workings are in the south end of the Buckskin Range at an elevation of 5,000 feet just above the pediment area of Smith Valley. The area topography gently rises to the West; also to the North.

Three miles to the East is a large commercial sand and gravel operation and a threephase higher voltage power line. The valley is a good aquifer as indicated by Artesia lake, a short distance to the south, which is fed by underground springs.

Weather conditions are almost perfect for year around operations. Very little snow falls upon the lower Buckskin Range and winter temperatures are generally well above freezing. Rainfall is quite light.

The property consists of six patented mining claims and a patented fraction.

HISTORY AND PRODUCTION

The mining claims were located around the turn of the Century as gold prospects and were patented in 1913. No records exist as to any production from the property, but it is known that copper-gold ore was shipped to the Wabuska Smelter during World War 1, and that gold ore was milled at various times during the period 1930-1950, as evidenced by the mill foundations remaining at the mine.

It is not possible to estimate with any degree of certainty total tonnage of ore which may have been produced, but from the stoping indications on the surface and on the 90' and 130' levels, it would appear that any such production was probably less than 5,000 tons in the aggregate, plus an additional 5,000 tons resulting from development drifts on the underground levels as indicated on the underground map.

The gold stope or 'glory hole' which was stoped to the surface from the tunnel level in a section that measures 60' along strike by 20' in width suggests ore of good gold content was milled, and this has been well confirmed by drill holes vertically below this point.

#### UNDERGROUND WORKINGS

Approximately 2,500 feet of drifting has been done in the mine; 230 feet on the 90' level; 670 feet on the 130' level; possibly 200 feet on the 225' level and 1,500 feet in the surface level. Practically all of this work has been done along and within the Buckskin Lode and it is to be noted that well over half of this footage was in good ore as is indicated on the assay map enclosed. The 225 level has not been visited by the writer, but it is represented by an 'old timer' to show the widest and highest grade ore of all the levels. Confirmation of this is indicated by diamond drill holes driven below the level.

Water stands in the main shaft at about the 90 foot point. When the 130' level was unwatered in 1955 for the purpose of sampling, the mine made less than 20 gallons per minute so this will probably never be a problem. All underground workings were then in good condition as was the timber in the main shaft. The ground holds well and should present no mining problem.

#### PRESENT OPERATOR

After many years of unsuccessful effort, the property was acquired from the Owner in 1970 by Lion Hill Mines, a mining partnership of James D. And Ruth T. Williams, under a purchase agreement with stipulated yearly payments to 1976. All payments have been made and the agreement is in good standing.

During the Fall of 1970 a field crew reestablished the corners of the patented mining claims which had been obliterated over the years, found and set the Section corners, and plotted surface geology; all with plane table control. The surface tunnel was also mapped.

During 1971, six diamond drill holes were driven for a total of 2,661 feet of NX core in an easterly-westerly direction along the strike of the Buckskin Lode, designed to cut the ore zone well below the bottom level. This drilling program was most successful in establishing the continuity of the ore zone.

During 1972, three diamond drill holes were driven for a total of 1,900 feet to explore the lateral area down dip from the initial drilling. While this series of holes produced more questions than answers it did demonstrate the continuance of the ore zone and mineral structure down the southerly dip. The coring was Nx and Bx.

During 1973, three additional holes were driven for a total of 1,104 feet of NC core for the purpose of establishing the boundary of the central ore block having a sufficient tonnage of good grade to justify immediate mining and milling operations. The result of this drilling was most successful.

Thus, in the three year period, 1970-1973, twelve diamond drill holes were driven for a total footage of 5,665 feet. To date the overall cash expenditures on the Buckskin Project has been approximately \$125,000 which includes property payments, engineering & geology, travel & mileage, assaying, legal, map & report printing and office expense.

All pertinent data from this drilling program is represented by comprehensive 40 scale plans and sections along with the underground assay map and assay certificates and are available upon request.

#### TONNAGE AND GRADE

The attached engineering report by Louis W. Cramer well states the grade and tonnage established from underground assays and drill core assays of the central ore block thus established. A reasonable projection of this ore block an additional 100 feet down dip from the bottom of the drill holes will add approximately 25% to the tonnage thus demonstrated. The very regular down dip continuity of this ore block from the surface suggests the propriety of such a projection.

#### FUTURE EXPLORATION

The property affords many additional exploration targets once the mine is in operation and a full understanding of the geological framework of the Buckskin Lode has been understood. The copper-gold mineralization continues to the west and east of the central ore block along the strike of the structure, and, as mentioned, continues vertically. The surface expression of the Lode to the west is well defined by intense alteration

and an apparent gossan of iron oxide which may be traced to the west side line of the property, some 1,000 feet.

A similar situation exists to the east; however, in this area the Lode is covered with talus approximately 100 feet deep and thus exploration of this area must be planned carefully. Approximately 1,200 feet is open to the east side line of the patents.

To the north of the Buckskin Lode, some 700 feet, is a well mineralized fissure trending east-west with a steep south dip. It was presumably mined for gold in the early days and random dump material assays 0.07 oz. gold. Remnants of an old arrastre nearby appears to confirm this observation. The workings appear to be open sufficiently for underground examination.

#### GENERAL INFORMATION

The writer was on the 130 foot level in the Fall of 1955 when extensive sampling of the ore zone was being conducted for an associated group. At that time the water level had been lowered to about 40 feet above the bottom level (either 225' or 250'; reports vary). The shaft timber was in splendid condition and the quality of the timbering was professional. The mine was making about 15-20 gallons per minute. The vertical shaft has two compartments; 4' x 4' hoisting and 4' x 3' manway. The shaft is now open to the water level at 90 feet and in good condition.

The levels were open with very little sloughing except in some of the stope areas and in crosscuts into the hanging wall; none of which should present any problem whatever in rehabilitating the levels. Very little is known about the bottom level except that it is there. It is our best judgement that the mine could be placed on production at the rate of 100-200 tons per day with a minimum expenditure of time and money.

#### ECONOMICS

The value of the ore in the central block is \$37 plus per ton based upon \$0.60 copper, \$2.50 silver and \$100 gold. At current prices this would increase to \$42 per ton, and, if we anticipate the increase in copper price which is indicated for the near future, the ore value could increase to about \$50 per ton. Thus, a 200 ton per day mining and milling operation could have a net operating profit in excess of \$1,500,000 per year for a minimum of about ten years, based upon present indicated ore reserves. Future exploration and development might well increase this life to twenty years.

JDW:s  
July 10, 1973.

*James D. Williams*  
James D. Williams, for  
Lion Hill Mines

REPORT ON  
BUCKSKIN MINE  
DOUGLAS COUNTY, NEVADA  
May 1973

LOUIS W. CRAMER

LOUIS W. CRAMER  
*Geologist*  
514 ATLAS BUILDING  
SALT LAKE CITY, UTAH 84101

REPORT ON BUCKSKIN MINE  
DOUGLAS COUNTY, NEVADA

CONCLUSIONS

It is calculated that in the Center Block are 391,300 tons of ore in the hanging wall zone with a grade of Au 0.20 oz. Ag 0.5 oz. Cu 1.3%. A foot-wall zone in this block contains 125,200 tons of ore, having a grade of Au 0.12 oz. Ag 0.5 oz. Cu 1.3%.

Note: The values on the 90 foot level and Tunnel level show much higher values.

There are approximately 162,800 tons of ore in the East Block with an assay value of Au 0.05 oz. Ag 0.3+ oz. Cu 1.3%.

The West Block contains a sizeable tonnage of ore in the upper levels, of a grade similar to the ore in the hanging wall zone of the Center Block.

There is no indication that the ore has been bottomed and deeper ore should develop especially in the Center Block area as indicated by the greater amount of brecciation, quartz, silification, and mineralization. Much more magnetite, which is widespread, also indicates better ore conditions. The West Block is open on to the West. Possibilities exist east of the East Block.

LOCATION

The Buckskin Mine is located in Douglas County, Nevada, some 8 miles west of Yerrington, Nevada, (17 miles by road.) It is 6 miles west of Anaconda's open pit mine. The mine is in the south end of the Buckskin Range.

HISTORY

Little is known of the history of the mine. It is known that the area was worked for gold in the early part of the century. During World War I, the main shaft was opened to the 130 foot level and gold-copper ore was trucked to the Wabuska Smelter, some 18 miles northeasterly. During the 'thirties' and 'forties' desultory gold mining and milling operations were conducted on the property.

LOUIS W. CRAMER  
*Geologist*  
514 ATLAS BUILDING  
SALT LAKE CITY, UTAH 84101

MAPS

- 1 - 40' scale surface map
- 1 - 40' scale underground map
- 10 - drill hole and cross-section maps, 40' scale
- 1 - assay map 25' scale
- 1 - 100' surface map, showing the property, etc.
- 1 - set of assay sheets of drill holes.

PROPERTY

The property consists of 6 patented claims and 1 patented fraction.

GEOLOGY

A surface map, plane table control, was made for the Lion Hill Mines, Co. in 1970. Diamond core drilling was done in 1971, 1972, and 1973.

The surface rocks are andesites flows, with a rhyo-dacite flow from the tunnel cut and trending N N E at the base of the Buckskin Range. These rocks are classified as Triassic in age.

Drilling was mostly in the andesite rocks of different types with some tongues (?) of the more porphyritic rhyo-dacite type. The deeper rocks in Hole 3-1 were of the dacite type as was the rock in Hole No. 6 below elevation 4820. Below the gravel in Hole No. 7 an iron oxide gossan type deposit was drilled below which a siliceous dacitic type of flow was cored. The 'Lode' in this Hole was a series of gouge streaks, some quartz and traces of chalcopyrite. The gossan is in line with a series of iron springs trending northeasterly, along the base of the range. Hole No. 10 cut a fault at approximately the position of the hanging wall of the Lode. The structural situation here is not fully known and interpretation would be conjecture.

N W of the East Shaft is exposed a strong E W fault, with an area of Rhyo-dacite in the footwall. It carries quartz and is strongly and favorably altered. It appears to be intrusive.

The surface expression of the Lode is a series of E-W quartz-silica veins with iron oxide, and with considerable alteration. The zone over the East and West Blocks is about 30 feet wide; over the Center Block the Lode is 60-80 feet wide with intense alteration, especially on the footwall. Drilling shows more quartz and silification, also much more brecciation in this block. Holes 3, 5 and 8 reflect these widths at depth. Holes 3 and 8 show ore widths of 50-55 feet.

LOUIS W. CRAMER  
*Geologist*  
514 ATLAS BUILDING  
SALT LAKE CITY, UTAH 84101

### DEVELOPMENT

A tunnel is driven westerly at elevation 4990.

A-23 Shaft, elevation 5014 develops the 90 foot level to the west. It is inaccessible.

The Main Shaft, elevation 4985 from which a short level is run west on the 225 level. The 130 Level develops the hanging wall section to the west and some to the east. Water stands in the shaft a short distance above this level. A connection was made to the A23 Shaft from which the footwall segment is developed a short distance to the west, and a raise runs to the A 23 90 foot level.

Other numerous shallow shafts have been dug and many surface prospect holes have been made. An open stope (Glory Hole) exists in the Center Block from which the ore was mined through a short tunnel, elevation 5028. The Stope is 60 feet long and 20 feet wide. The above work must have been done in the earlier period, with gold ore as the objective.

### DRILLING DATA

Twelve holes were drilled totaling 5665 feet. The cross-sections show the nature of the rock drilled, and the mineral intercept cored. The Lode has been developed to an elevation of 4640 (Hole 3) in the Center Block and the ore block has been projected to the 4600 level.

### ASSAY DATA AND SAMPLING METHOD

A representative sample was taken the length of the core assayed by taking pieces of the core at approximately 4 inches apart. The average sample weighed 6 to 10 pounds depending on the length sampled.

The ore on the Tunnel Level, the only underground workings accessible, was checked by responsible personnel confirming the sampling done in 1955. The assays shown on the 25 scale assay map were in 1955. Mr. Williams and Mr. Earl Young confirmed this work when they check sampled this mine in 1955.

The assay value used in the Tonnage Reserve Section, below, is a weighted average of all the sampling. It is thought to be the minimum value of the ore in these blocks.

LOUIS W. CRAMER  
*Geologist*  
 514 ATLAS BUILDING  
 SALT LAKE CITY, UTAH 84101

TONNAGE AND GRADE

CENTER BLOCK

Hanging Wall Zone

$$450 \times 400 \times 25 \div 11.5 = 391,300 \text{ tons}$$

Au 0.20 oz. - Ag 0.5 oz. - Cu 1.3%

Footwall Zone

$$450 \times 400 \times 8 \div 11.5 = 125,200 \text{ tons}$$

Au 0.12 oz. - Ag 0.5 oz. - Cu 1.3%

Note: The assays on the 90 level and Tunnel Level show much higher values.

This segment is from 30 feet west of the ore in Hole 3 to 70 feet east of Hole 9.

EAST BLOCK

$$400 \times 350 \times 15 \div 11.5 = 182,600 \text{ tons}$$

Au 0.05 oz. - Ag 0.3 oz. - Cu 1.3%

This segment is from 70 feet east of Hole 9 to 100 feet east of Hole 6.

WEST BLOCK

The assay map shows two segments sampled in this block on the Tunnel Level which averaged 7.0 feet wide, Au 0.22 oz. - Cu 1.8%. It is therefore indicated that considerable ore exists from the Center Block to west of Hole 4, particularly in the upper levels.

*Louis W. Cramer*  
 \_\_\_\_\_  
 Louis W. Cramer

A.I.Ch.E.

A.I.M.E.

**JAMES D. WILLIAMS**  
CHEMICAL ENGINEER  
MINERALS EXPLORATION & DEVELOPMENT

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SALT LAKE CITY, UTAH 84110

April 29, 1972

Mr. J. Kenneth Jones  
Chief Geologist  
Essex International, Inc.  
1704 West Grant Road  
Tucson, Arizona 85705

Dear Mr. Jones:

I have finally returned to "home base" after a most pleasant and rewarding trip and think it a good time to thank you for the time you dedicated to my presentation of the Buckskin venture in Douglas County, Nevada. The conference was most enjoyable.

I shall be in the office during the next two weeks, usually between the hours of 10:00-12:00 in the mornings and 1:00-3:00 in the afternoons, and should be happy to hear from you when convenient.

Kindest regards.

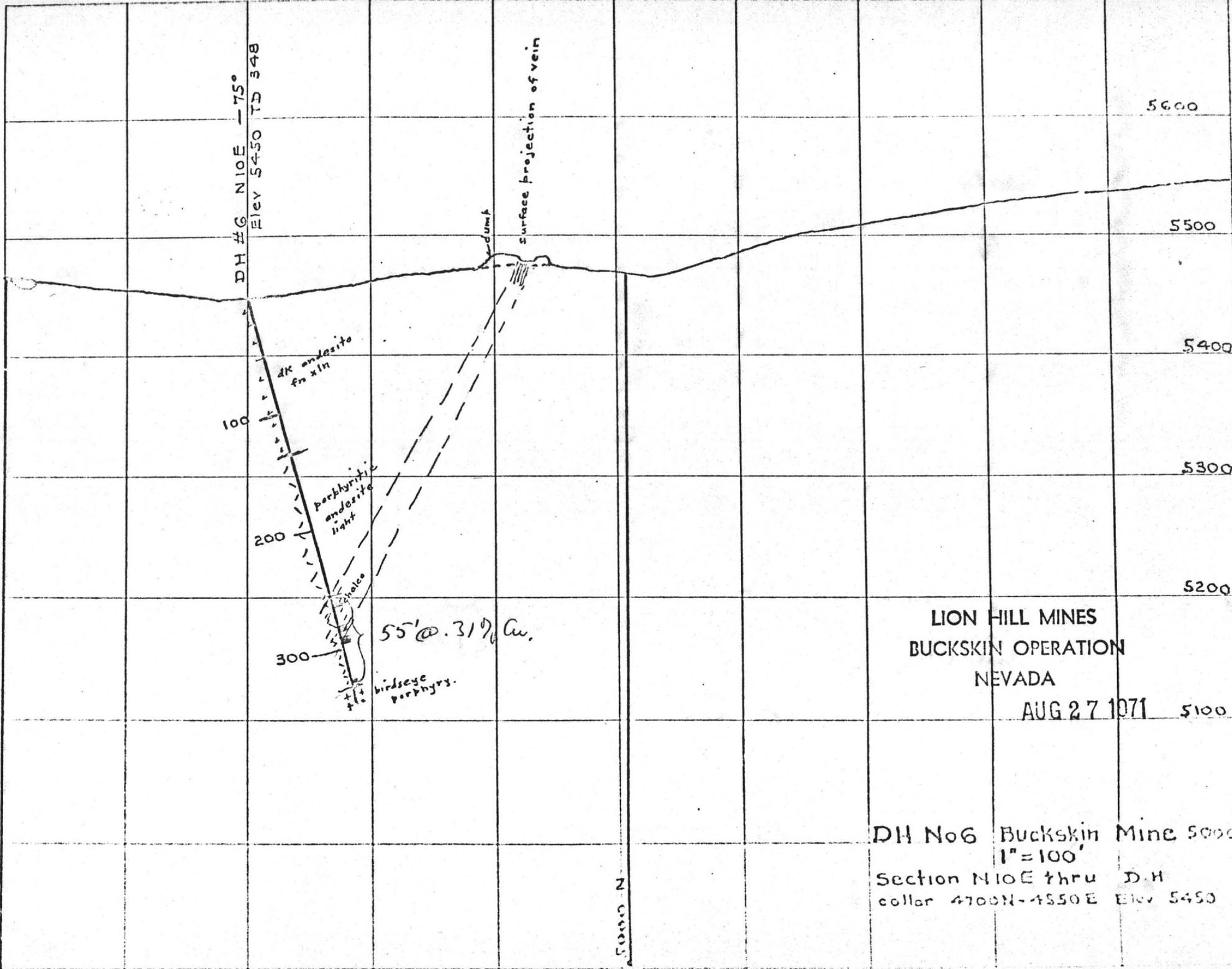
Sincerely yours,

*James D. Williams*  
James D. Williams

JDW:s

SALT LAKE BLUE

5450 N

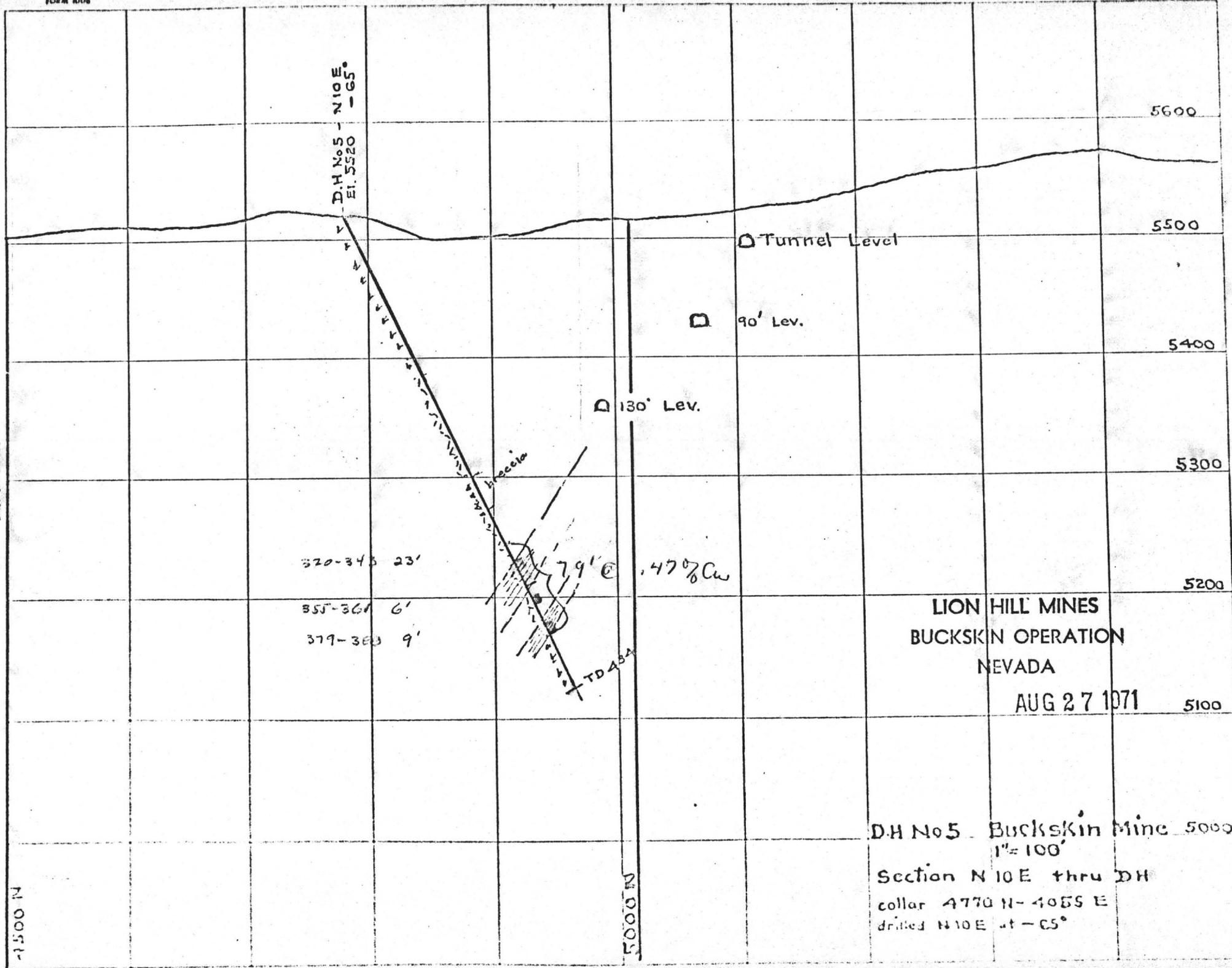


LION HILL MINES  
 BUCKSKIN OPERATION  
 NEVADA

AUG 27 1971 5100

DH No6 Buckskin Mine 5000  
 1"=100'  
 Section N10E thru D.H.  
 collar 4700N-4850E Elev 5450

SALT LAKE BLUE



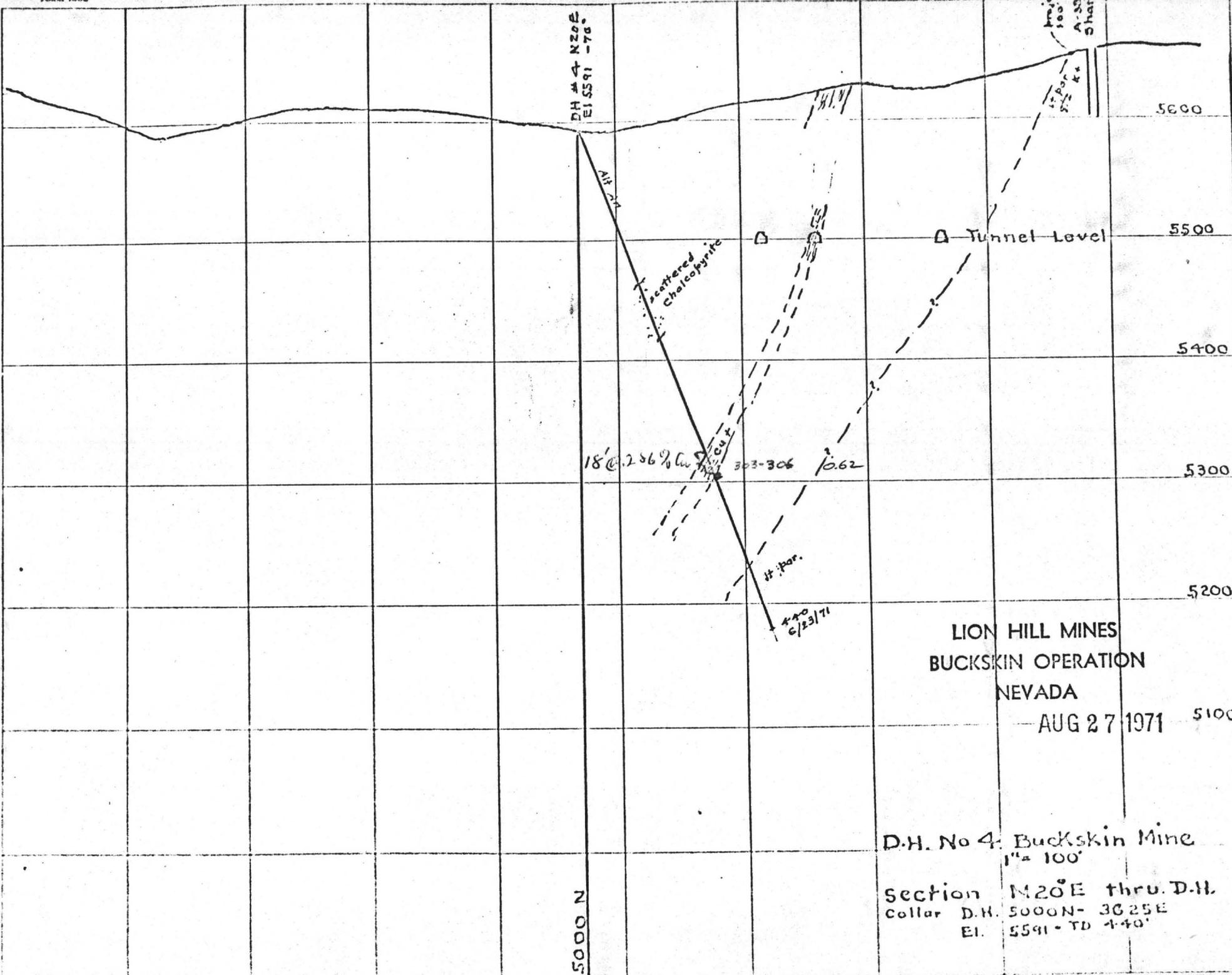
LION HILL MINES  
 BUCKSKIN OPERATION  
 NEVADA

AUG 27 1971

DH No 5 - Buckskin Mine 5000  
 1" = 100'

Section N10E thru DH  
 collar 4770 N - 4055 E  
 drilled N10E at - 65°

SALT LAKE BLUE



LION HILL MINES  
BUCKSKIN OPERATION  
NEVADA

AUG 27 1971

D.H. No 4 Buckskin Mine  
1" = 100'

Section N20°E thru D.H.  
Collar D.H. 5000N-3025E  
El. 5591 - TD 440'

5000 N

SALT LAKE BLUE

4500 N

5000 N

D.H. #3 - N20E  
El. 5550 -65°

Andesite

374-400' 26'

420-430

64'

.58%

Li  
475-TO  
615/71  
It porphyry.

90' Lev proj. 90° N70W

130' Lev proj. 120° N70W

Tunnel Level

sur. slope proj  
90° W

strike to sur.

thy  
Por.

5600

5500

5400

5300

5200

5100

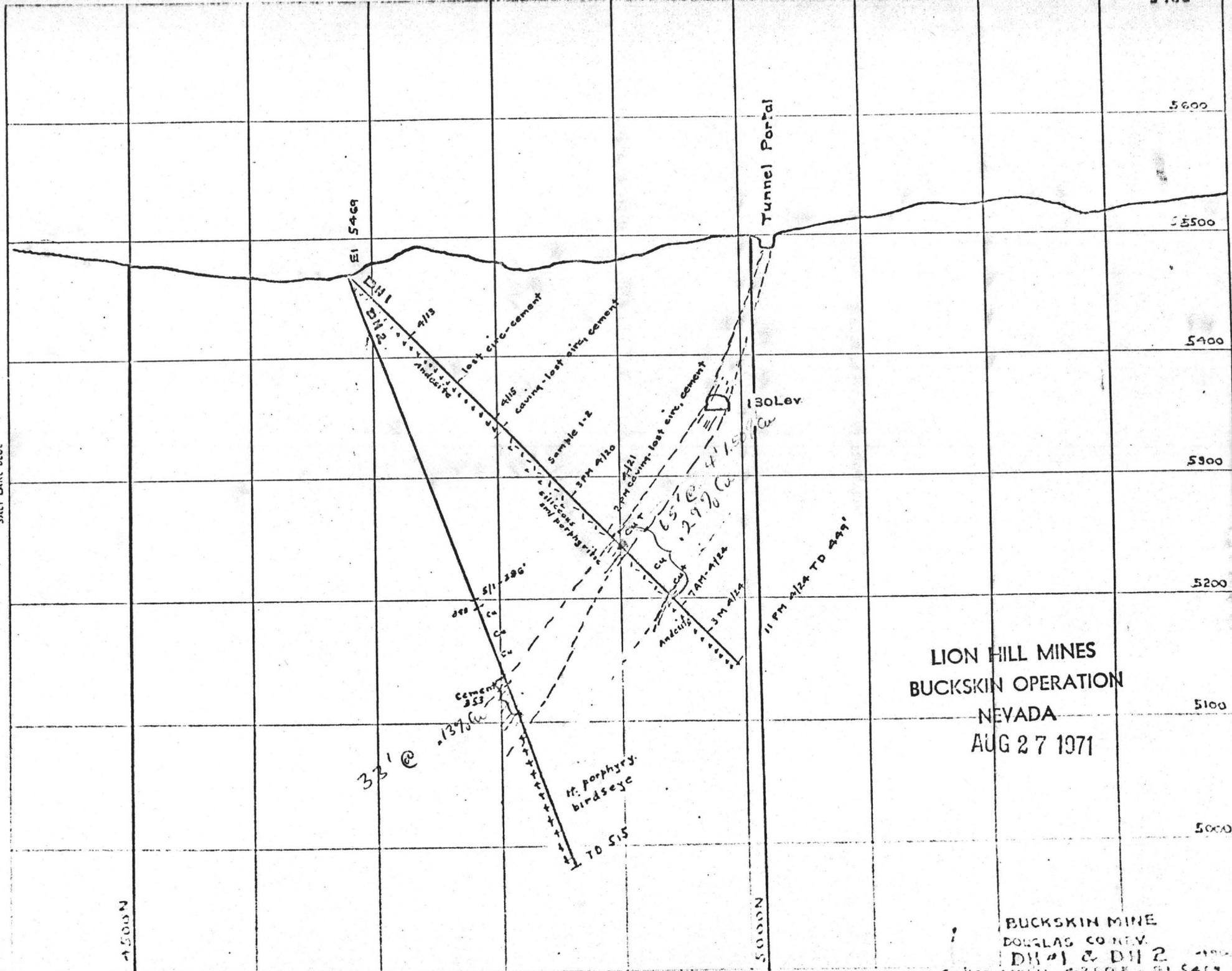
LION HILL MINES  
BUCKSKIN OPERATION  
NEVADA  
AUG 27 1971

D.H. No 3 Buckskin Mine 5000  
1" = 100'  
Section N20E Thru. D.H  
collar 4800N-3825E El. 5550  
drilled N20E at -65° to TD 475

El  
4000

42  
1075  
130  
130

SALT LAKE BLUE



LION HILL MINES  
 BUCKSKIN OPERATION  
 NEVADA  
 AUG 27 1971

BUCKSKIN MINE  
 DOUGLAS CONEV.  
 DH #1 & DH #2  
 Coliar 46754 4200E - El 5469  
 1110 E Section

# PETROGRAPHIC ANALYSIS

Date 11/2/71 Sample Location Bucks km Nev. 1-142

Submitted by: LHB Petrographer SAW

| Probable<br>Original<br>Mode | Present<br>Mode       | Notes                  |
|------------------------------|-----------------------|------------------------|
| %                            | 33% orthoclase/albite | (complex intergrowths) |
| %                            | 27% epidote           |                        |
| %                            | 3% pyrite             | (in fractures)         |
| %                            | 1% magnetite          |                        |
| %                            | 22% calcite           |                        |
| %                            | 13% pyroxene          |                        |
| %                            | 1/2% sphene           |                        |

Rock Name ..... Original Rock intermediate igneous ?

# PETROGRAPHIC ANALYSIS

Date 11/2/71 Sample Location Buckskin Nev. 1-225

Submitted by: LHB Petrographer JAW

| Probable<br>Original<br><u>Mode</u> | <u>Present<br/>Mode</u> | <u>Notes</u> |
|-------------------------------------|-------------------------|--------------|
| %                                   | 13% quartz              | .....        |
| %                                   | 6% orthoclase           | .....        |
| %                                   | 53% plagioclase         | .....        |
| 1% tourmaline                       | 7% pyrite               | .....        |
| 4% sericite                         | 2% calcite              | .....        |
| only on fractures = % gypsum        | 14% rutile              | .....        |
| 1/2% apatite                        |                         |              |

Rock Name

Original Rock ammodiortite (hypobasalt?)

# PETROGRAPHIC ANALYSIS

Date 11/2/71 Sample Location Buckskin, Nev. 4-320

Submitted by: LHB Petrographer SAW

Probable

Original

Mode

%

%

%

%

%

1/2% epidote

7% calcite

Present

Mode

17% biotite

5% prochlorite

1% quartz

64% plagioclase

1/2% pyrite

2% apatite

3% magnetite

Notes

Rock Name

Original Rock diabase or andesite (hyp.)

# PETROGRAPHIC ANALYSIS

Date 11/2/71 Sample Location Buckskin, Nev. 4-348

Submitted by: LHB Petrographer SAW

| Probable Original Mode | Present Mode    | Notes |
|------------------------|-----------------|-------|
| %                      | 16% quartz      | ..... |
| %                      | 40% plagioclase | ..... |
| %                      | 17% perthite    | ..... |
| %                      | 7% calcite      | ..... |
| %                      | 2% Pyrite       | ..... |
| 10% sericite           | 1/2% apatite    | ..... |
| 7% ilmenite            | 1/4% leucosane  | ..... |

Rock Name rhyodacite var. Original Rock .....

# PETROGRAPHIC ANALYSIS

Date 11/3/71 Sample Location Buckskin, Nev. 4-383

Submitted by: LHB Petrographer SAW

Probable  
Original  
Mode

Present  
Mode

Notes

|               |                 |  |
|---------------|-----------------|--|
| %             | 48% plagioclase |  |
| %             | 3% quartz       |  |
| %             | 15% calcite     |  |
| %             | 22% pyroxene    |  |
| %             | tr% leucosyne   |  |
| %             | 1% magnetite    |  |
| 6% orthoclase | 4% hydronium    |  |

Rock Name ryodacite Original Rock

# PETROGRAPHIC ANALYSIS

Date 11/3/71 Sample Location Buckskin, Nev. 5-323

Submitted by: LHB Petrographer JAW

Probable  
Original  
Mode

Present  
Mode

Notes

%  
%  
%  
%  
%  
%  
%

32% quartz  
9% sericite  
42% plagioclase  
12% calcite  
3% pyrite  
1% hematite  
1/2% apatite

.....  
.....  
.....  
.....  
.....  
.....  
.....

Rock Name ..... Original Rock brecciated andesite

# PETROGRAPHIC ANALYSIS

Date 11/3/71 Sample Location Budshon, Nev. 5-309  
 Submitted by: LHB Petrographer SAW

| Probable<br>Original<br>Mode | Present<br>Mode             | Notes |
|------------------------------|-----------------------------|-------|
| %                            | 29% plagioclase             |       |
| %                            | 17% sericite / hydrothermal |       |
| %                            | 14% calcite                 |       |
| %                            | 22% feldspar                |       |
| %                            | 1/2% pyrite                 |       |
| %                            | 1/2% apatite                |       |
| 16% quartz                   | 1/2% rutile                 |       |

Rock Name dacite Original Rock

# PETROGRAPHIC ANALYSIS

Date 11/3/71 Sample Location Buckskin Nev. 5-317

Submitted by: LHB Petrographer JAW

| <u>Probable</u><br><u>Original</u><br><u>Mode</u> | <u>Present</u><br><u>Mode</u> | <u>Notes</u> |
|---|-------------------------------|--------------|
| %   | 52% quartz                    | .....        |
| %   | 36% sericite                  | .....        |
| %   | 4% pyrite                     | .....        |
| %   | 7% calcite                    | .....        |
| %   | 1% rutile                     | .....        |
| %   | 1/2% apatite                  | .....        |
| %   | %                             | .....        |

Rock Name ..... Original Rock reworked volc.

# PETROGRAPHIC ANALYSIS

Date 11/3/71 Sample Location Buckskin, Nev. G-148

Submitted by: LHB Petrographer SAW

Probable

Original

Mode

Present

Mode

Notes

%

56 % quartz

%

35 % sericite

%

3 % pyrite

%

3 % calcite

%

1/2 % rutile

%

1/2 % apatite

%

2 % amesite

Rock Name

Original Rock

qtz latite xenophyre or similar

OFFICE PHONE 322-0841

RES. PHONE 467-6952

LOUIS W. CRAMER  
*Geologist*  
514 ATLAS BUILDING  
SALT LAKE CITY, UTAH 84101

REPORT ON  
DRILLING PROJECT  
ON  
BUCKSKIN MINE  
DOUGLAS COUNTY, NEVADA

Louis W. Cramer  
August 1971

LOUIS W. CRAMER  
*Geologist*  
 514 ATLAS BUILDING  
 SALT LAKE CITY, UTAH 84101  
 August 23, 1971

Report on the Buckskin Mine  
 Douglas County, Nevada

Company

This report is made for Lion Hill Mines at the request of Mr. James D. Williams, Managing Partner. Lion Hill Mines has an option to purchase the mine consisting of six patented mining claims and a patented fraction.

Location and Property

The property is located in the eastern part of Douglas County, in Section 13, T. 13 S., R. 23 E., Mt. Diablo Meridian. It is in the south end of the Buckskin Range and is about eight miles west of Anaconda's Yerrington Copper pit, although by road over Mason Pass, it is 17 miles from the town of Yerrington.

There are six patented mining claims and one fraction in the Buckskin group as follows:

| <u>Name</u>      | <u>Pat. Survey No.</u> |
|------------------|------------------------|
| Buckskin         | 3810                   |
| Red Top          | 3810                   |
| Red Top No. 1    | 3810                   |
| Red Top No. 2    | 3810                   |
| Red Top No. 3    | 3810                   |
| Eava             | 3810                   |
| Red Top Fraction | 3810                   |

Maps

1. A 100 scale surface map of the geology, plane table control.
2. A 100 scale Drill Hole map, showing location and elevation of holes drilled and the underground workings.

### Maps, Continued

3. A 20 scale cross - section and log map showing the rock types drilled and the assay results obtained from the core samples.
4. 100 scale cross-sections, through the drill holes.
5. Assay map.

### History and Production

These claims were surveyed for patent in December of 1909, so it is assumed that several years prior to this the property was held by the locators, who did the required assessment work. No mention is made in the patent notes of a mill and the tunnel on the Red Top is described as being driven a distance of 139 feet to the face.

It is therefore thought that most of the development occurred prior and during World War I.

No record of the production could be had. However, it is quite likely that some ore had been shipped during the World War I period, and remaining mill foundations indicate that some ore had been milled.

### Development

On the attached 100 scale Drill Hole map the several shafts are shown and also the composit level map.

### Tunnel

The portal of this tunnel is 5013 N - 4320 E, elevation 5490, it is driven about N 65 W 370 feet, where it cuts the vein and is then turned N 85 W on the vein where two small stopes reach the surface. Fifty feet south of these stopes in the hanging wall of the vein is a stope to the surface, where the dimensions of the glory hole is about 25 feet wide and 90

Development, Continued

feet long. The tunnel is accessible and it appears that ore mined above it must have been for the gold content. About 1400 feet of work was done on the tunnel level.

A-22 Shaft

Seventy feet west of the portal of the tunnel a working shaft was dug, about a 100 feet deep. A 100 foot north cross-cut was run on the 70 foot level. On the 90 foot level a drift was run westerly on the vein some 220 feet. These workings are now inaccessible, the above description is from an assay map furnished by the owner.

Mine Shaft

This shaft is located S 22 E 165 feet from the portal of the tunnel. The above referred to assay map shows a cross-cut driven north some 100 feet to the vein which was drifted upon easterly and westerly. These workings are on the 130 foot level. Water is now standing in the shaft about 30 feet above this level. Mr. Williams was on this level in the summer of 1955 when a small company had the property under lease. At the time of his visit this company was sampling the level and his observations indicated that the sampling being done was of good calibre. He also stated the mine was making very little water.

Assay Data

As stated before, the mine was leased to a small company in the 1950's and this company de-watered the mine and conducted a complete sampling project. It is thought that the results shown on the attached assay map are reliable.

The averages are as follows:

1. Sampling in the west end of the tunnel.
2. Sampling on the 90 foot level.
3. Sampling on the 130 foot level.

Assay Data, Continued

| <u>No.</u>  | <u>Number<br/>of Samples</u> | <u>Avg. Width<br/>Feet</u> | <u>Cu %</u> | <u>Au oz.</u> |
|-------------|------------------------------|----------------------------|-------------|---------------|
| 1           | 36                           | 6.8                        | 1.34        | .17           |
| 2           | 26                           | 7.9                        | 2.02        | .27           |
| 3           | 104                          | 8.7                        | 1.96        | .15           |
| All Samples | 166                          | 8.0                        | 1.81        | .17           |

The high gold values on the 90 foot level sampling is due to high gold values in samples No. 44 and No. 45. From the above values, it would appear the copper may be getting somewhat better at depth and also wider. Gold values dropped considerably in the drill holes.

Drilling Data

The drilling program started April 9 and continued until August 7, 1971. Six angle holes were drilled varying in length from 350 to 515 feet. The cross-section drill log map shows the various depths and the type of rocks penetrated and the assay results of the samples taken from the cores.

DDH No. 1

This hole was drilled in a N 10 E direction at a minus 45 degree angle. It cored dark gray, finely crystalline andesite to a depth of 225 feet; then cored a light gray porphyritic andesite to 372; then the dark andesite to the bottom of the hole, 449 feet. The hanging wall of the vein structure was cut at 307 feet, where circulation was lost. The footwall was cut at 372 feet. This data indicates a mineral structure of some 60 feet wide, with better values on the hanging-wall 16 feet, where one 4 foot section assayed 1.50% copper.

DDH No. 2

This hole was drilled at the same location and direction as the No. 1 hole but at a minus 70° angle. Dark, finely crystalline andesite was cored to 330 feet, then the light porphyritic type to 398, then a typical birdseye porphyry was cored to 515 feet, the bottom of the hole. This porphyry has a fine, bluish ground mass, with the large feldspar crystals generally altered to clay and calcite.

The hanging wall was cut at 353 feet and the footwall at 395. Because of the steep angle of the hole the above depths indicate a vein structure of 38 feet in width. At this point the mineralization in the vein structure was low grade.

DDH No. 3

This hole is located N 75 W 450 feet from Hole No. 1. It was drilled in a N 20 E direction at a minus 65 degree angle. It cored the dense, finely x/n, dark andesite to 283 feet; then the lighter porphyritic andesite to 420; then the dark andesite to 463 feet; then into the "birdseye porphyry" to 475, the depth of the hole. The hanging wall of the vein structure was cut at 368 feet and good mineralization ended at 438 feet. Thus, the width of the vein zone here is 61 feet. As in hole No. 1 the hanging wall segment of 22 feet is better mineralized, averaging 0.93%. Some 15 feet of breccia was cut at the hanging wall.

DDH No. 4

This hole is N 45 W 290 feet from No. 3. It is drilled in a N 20 E direction at a minus 70 degree angle. It cored the dark, fine andesite to 137 feet; then the light porphyritic andesite to 381 feet; then the "birdseye porphyry" to T. D. of 440 feet. The hanging wall of the vein was cut at 285 and the footwall at 306, making the vein structure width of 16 feet. Values were low, one 3 foot section assayed 0.62% copper. This is the farthest westerly hole and indicates a strong, mineral vein extending west.

DDH No. 5

This hole is between holes No. 1 and No. 3. It is drilled in a N 10 E direction, at a minus 65 degree angle. It cored the fine dark andesite to 154 feet; then light porphyritic andesite to 240 feet; then breccia to 270 feet; then dark andesite to 303 feet; then breccia to 308; then the light porphyritic andesite 387; then quartz to 392; then dark andesite to TD, 434 feet. The hanging wall was cut at 320 feet and the footwall at 388, making a width of 59 feet indicated. As in Holes 1 and 3 the hanging wall segment is better mineralized.

DDH No. 6

This hole is 295 feet N 85 E from Hole No. 1. It is drilled in a N 10 E direction at a minus 75 degrees. It cored the dark fine andesite to 150 feet; then the light porphyritic andesite to 332 feet; then the "birdseye porphyry" to TD 348. The hanging wall was cut at 253 and the footwall at 298, indicating a width of vein structure of 32 feet. In this case the footwall segment of 12 feet carried the better values.

Geology

The surface and tunnel level were mapped in September 1970 using a plane-table for control. The elevations are believed to be accurate to one foot and the horizontal position of the stations and rod shots accurate to about 3 feet. There are three rock types in the Buckskin area as determined by mapping and drilling.

The rocks are volcanic in origin and are part of the thick series of volcanics of Triassic Age, as determined by geologists of the U. S. Geological Survey. A dense, finely crystalline, dark gray andesite covers most of the three west claims of the property. Starting at the tunnel cut and trending NNE is the contact between dark andesite and the light porphyritic andesite (thought to be dacite at the time of the 1970 mapping). The contact appears to dip west but the drilling indicates a more complex situation. The base of the light

Geology, Continued

andesite is nowhere exposed, since alluvium covers the east part of the property.

In several of the holes a porphyry, with a bluish fine grained ground mass and large altered feldspar crystals, was cut. Its relationship to the other rocks is not known.

There are two mineral structures on the property. On the north part of the Red Top No. 3 claim is a narrow fissure which strikes S70 W and dips 80 degrees to the north. Apparently a few tons of gold ore were produced from the three shallow shafts sunk on it.

The other fissure is the Buckskin located on the Red Top claim. It is exposed in the cut near the portal of the tunnel where it is about 15 feet wide of silicified andesite with considerable iron oxides. It is developed by two shallow shafts on S 80 E 200 feet where it is covered by alluvium. There is a gap northwest of the tunnel cut exposure for about 300 feet, then the vein shows again. Two small stopes occur to the west of this point, and the vein carries on N 85 W for about 450 feet where it is covered with alluvium. A zone of kaolinic alteration on west of the property indicates that the vein continues on westerly.

The expression of the vein on the surface is not impressive, there are no secondary copper minerals showing in any of the numerous cuts. The 130 foot level indicates, however, that the vein is getting stronger at depth as do the drilling results. All mineralization is primary and is chalcopyrite, no other copper sulfide minerals were noted.

The dark andesite contains considerable disseminated pyrite in the drill holes as does the light porphyritic andesite. No mineralization was noted in the "birdseye porphyry." Also, considerable magnetite was noted in the dark and light andesites.

Conclusions

The six core holes have proved ore and good mineralization over widths of 25 to 60 feet for a strike length of 1000 feet. Because the six penetrations of the vein structure by the drilling cannot possibly give an accurate grade of the ore, it is thought that the grade of 1.96% Cu established on the 130 foot level by the 104 samples taken more nearly represents the tenor of the ore. Therefore, it is believed that the next step in the development of this ore zone would be a shaft and drifting on the hanging wall segment at elevation 5200, which is 200 feet down dip from the 130 foot level. This program should develop about 350-400,000 tons of ore up to the 130 foot level, and make accessible the considerable indicated ore above the 130 level.

Holes 3 and 5 indicate a stronger structural and channel condition in this area and deep drilling is warranted to explore this structural situation.

Drilling on to the east of Hole No. 6 is recommended, not only to develop the vein to the east but to evaluate the possibility of a strong intersectional feature of the Buckskin Vein and an indicated north-south fault.

*Louis W. Cramer*  
Louis W. Cramer

Mr. Williams:-

I shall notify Louis Grabil that I have asked you, in wase of Decpaymanet to let the check be makde out as

of Jan. 1, 1972

AMENDMENT OF AGREEMENT

Just date the Check as as of that date and thank you kindly,

H. E. Brunson.

On December 1, 1970, Louis L. Grabil and Chrystal L. Grabil, his Wife, H.E. Brunson and Laura Brunson, his Wife, parties of the first part referred to as OWNER and James D. Williams and Ruth T. Williams, his Wife, dba. Lion Hill Mines, parties of the second part, referred to as OPERATOR, entered into an Agreement for the sale and purchase of certain patented mining claims in Douglas County, Nevada. The parties thereto desire to amend said Agreement as hereinafter set forth:

Amend Section 2, Work Requirements, of said Agreement, on page two thereof, by deleting and substituting in lieu thereof the following:

"Operator agrees to perform not less than 2,500 linear feet of diamond drilling upon said property during the callendar year 1971, at locations selected solely by Operator. Owner grants unto Operator the right to enter upon the property immediately and to remain thereon, so long as this Agreement is in effect, for the purpose of exploration, development and/or mining."

Except as specifically hereinabove amended, The Agreement shall remain in full force and effect exactly as executed by the parties on December 1, 1970.

Dated this twentieth day of August, 1971.

James D. Williams  
James D. Williams

Ruth T. Williams  
Ruth T. Williams

Louis L. Grabil  
Louis L. Grabil

Chrystal L. Grabil  
Chrystal L. Grabil

H.E. Brunson  
H.E. Brunson

Laura Brunson  
Laura Brunson

## AGREEMENT

THIS AGREEMENT made and entered into in triplicate as of this first day of December, 1970, by and between Louis L. Grabil and Chrystal L. Grabil, his wife, Avila Beach, California, and H. E. Brunson and Laura Brunson, his wife, Baytown, Texas, parties of the first part, hereinafter referred to as OWNER, and James D. Williams and Ruth T. Williams, Salt Lake City, Utah, as joint tenants with right of survivorship and not tenants in common, dba. Lion Hill Mines, parties of the second part, hereinafter referred to as OPERATOR.

### WITNESSETH

#### Recitals

The property the subject matter of this Agreement, situate in the Pine Nut Mining District (also commonly referred to as Buckskin Mining District), Douglas County, Nevada, consists of six patented lode mining claims and one patented lode fraction mining claim, with buildings, structures and materials of sundry description situate thereon, water and water rights (if any), together with all other rights, appurtenances, hereditaments, franchises, tenements and privileges there to.

The seven patented lode mining claims are as follows:

| <u>Name of Claim</u> | <u>Survey No.</u> | <u>Patent No.</u> |
|----------------------|-------------------|-------------------|
| Buckskin             | 3810              | 327792            |
| Eva                  | 3810              | 327792            |
| Red Top              | 3810              | 327792            |
| Red Top No. 1        | 3810              | 327792            |
| Red Top No. 2        | 3810              | 327792            |
| Red Top No. 3        | 3810              | 327792            |
| Red Top Fraction     | 3810              | 327792            |

More specifically, said patented lode mining claims are situate in Section 13, Township 13 North, Range 23 East, and Section 18, Township 13 North, Range 24 East, Mt. Diablo Meridian, Douglas County, Nevada, and reference is hereby made to the recorded patents of said seven patented lode mining claims in the office of the County Recorder, Douglas County, Nevada, for a more detailed description thereof.

Owner represents that it has a good and marketable title free and clear of any and all liens and encumbrances of every kind and character, to said seven patented lode mining claims.

The parties hereto desire to enter into this Agreement to provide the Operator a period of time for the exploration and development of said property and for the purchase of same on an installment basis as hereinafter set forth.

NOW, THEREFORE, in consideration of the premises as recited, and the terms, conditions and covenants herein stated to be kept and performed by the parties hereto, respectively, it is agreed:

#### Section 1. Purchase Price

The Owner grants unto Operator, during the term hereof, the exclusive right to purchase the property the subject matter of this Agreement, for the sum of \$50,000, current lawful money of the United States of America in accordance with the following schedule of six installment payments to be made timely by Operator unto Owner:

|                 |                                |
|-----------------|--------------------------------|
| \$2,000         | on or before January 10, 1971  |
| \$3,000         | on or before June 30, 1971     |
| \$5,000         | on or before December 31, 1971 |
| \$10,000        | on or before December 31, 1972 |
| \$15,000        | on or before December 31, 1973 |
| \$15,000        | on or before December 31, 1974 |
| <u>\$50,000</u> | Total Purchase Price           |

Owner grants Operator the right to prepay any remaining balance of said purchase price at any time, during the term hereof, and thereby complete the purchase of said property as herein contemplated.

#### Section 2. Work Requirements

Operator agrees to perform not less than 5,000 linear feet of diamond drilling upon said property during the calendar year 1971, at locations selected solely by Operator. Owner grants unto Operator the right to enter upon the property immediately and to remain thereon, so long as this Agreement is in effect, for the purpose of exploration, development and/or mining.

### Section 3. Taxes and Assessments

Owner represents that all taxes on said property have been paid to date. Operator agrees that it will pay any and all taxes which may be levied during the calendar year of 1971, as and when due and payable, and any and all other taxes and/or assessments levied and/or assessed during the term of this Agreement; subject, however, to the right of Operator as herein provided to terminate this Agreement and relinquish the premises. Owner shall provide Operator with such a statement of taxes and/or assessments levied in sufficient time to allow Operator to make the payment thereof before the due date, or Owner may pay same before the due date and bill Operator therefor.

### Section 4. Owner's Inspection

Throughout the term of this Agreement Owner shall at all times have free access to the property for the purpose of investigating fully the work being conducted thereon by Operator and Operator agrees to furnish Owner copies of all maps, drilling information and assays resulting from its work being performed upon the said property.

### Section 5. Labor and Material Liens

Operator shall indemnify and defend Owner and said property against and hold them and each of them harmless from all mechanic's and materialmen's liens by reason of operations by Operator upon said property. Owner may post upon said property non-responsibility notices but failure to so post and record such notices shall not relieve Operator from his obligations under this Section.

### Section 6. Compliance with Laws

In its operations upon said property, and in particular in connection with Workmen's Compensation on account of injuries to employees arising out of and in the course of their employment, Operator shall fully and faithfully comply with all laws, ordinances, rules and regulations of competent governmental authority governing such operations or pertaining thereto.

### Section 7. Royalty Payment to Owner

Owner grants unto Operator the right, at any time during the term hereof, to mine and market ores from said property. Operator shall sell such ores in its own name, upon competitive bidding to obtain the

best net prices obtainable. Upon any such ores sold, Operator shall pay unto Owner, as herein provided, a 10% royalty based upon "net smelter or mill" returns, which "net return" shall mean the gross payment made by the purchaser of the ores, less treatment, sampling and assay charges, hauling from mine to railroad, railroad freight, and an agreed mining allowance of \$10.00 per ton. Any such royalty shall be paid on each individual final lot settlement and remitted by the purchaser of such ore direct to the Owner.

Operator agrees to execute the necessary assignments of said royalty to Owner and direct the purchaser of such ore to make such royalty payment direct to Owner. All such royalty payments made unto Owner shall apply on the purchase of said property and be a credit to the installment payment to become due during the period in which such royalty shall have been paid. In the event such royalties shall exceed the installment payment due for any such period, the excess shall be a credit against the installment payment next due.

#### Section 8. Forfeiture Provisions

Upon any failure or default by the Operator in any of its obligations hereunder and his failure to rectify thereof within ten (10) days after receipt of written notice from the Owner so to do, then at the option of the Owner this Agreement shall forthwith cease and determine, and all rights of Operator in, to and upon the property covered herein shall be at an end. It is agreed further that, upon termination of Operator's rights hereunder, by forfeiture or otherwise, all installment payments made pursuant to Section 1, hereof, and all royalty payments made pursuant to Section 7, hereof, made to Owner by Operator, shall be retained by Owner as liquidated damages, time being of the essence of this Agreement.

#### Section 9. Relinquishment by Operator and Removal of its Property

Should Operator elect at any time during the term of this Agreement, prior to the due date of any installment payment, as set forth in Section 1, hereof, to terminate its rights and privileges and subsequently accruing duties and obligations hereunder, it may do so upon notice in writing timely delivered to Owner. In any such event, or in event of forfeiture or other termination of this Agreement, it may, and within sixty (60) days after receiving written notice from the Owner so to do, it shall commence the removal from said premises all property placed thereon by it which may be removed without physical damage to the property of the Owner, and thereafter Operator shall

prosecute said removal continuously and with diligence until all of its said property has been removed; provided that upon any such relinquishment or other termination of this Agreement, Operator shall pay, or cause to be paid, to the Owner such (if any) unpaid royalty as the Owner may be entitled to under the provisions of Section 7 hereof.

Section 10. Deed and Escrow

Owner, on or before thirty (30) days next following written request therefor by Operator, agrees to place in escrow with such a Reno, Nevada, Bank as may be designated by Operator, a good and sufficient grant deed, or deeds, and/or bills of sale, conveying said property to Operator free and clear of any liens or encumbrances, and when all installment payments pursuant to Section 1, hereof, plus all royalty payments pursuant to Section 7, hereof, shall equal the sum of \$50,000 (which being the agreed purchase price of said property), said bank shall deliver said deed, or deeds and/or bills of sale to Operator, his heirs or assigns, as directed by Operator. In the event of termination of Operator's rights, by forfeiture or otherwise, as provided in this Agreement, said bank shall, upon request of Owner, return said deed, or deeds and/or bills of sale, to Owner. The expense of the escrow shall be borne and paid by the Operator.

Section 11. Arbitration

10/2  
In the event of a dispute between Owner and Operator over any provisions of this Agreement, the parties hereto expressly agree to have such a dispute arbitrated by a Board of three Arbitrators; one of whom shall be selected by the Owner, one by the Operator, and a third by the two so selected. A majority decision by said Board of Arbitrators shall bind the parties hereto. All expenses of said arbitration shall be borne equally by Owner and Operator.

Section 12. Payment and Notices

All money payments pursuant to Sections 1 and 7, of this Agreement, and all notices herein provided for to be given by either party to the other shall be in writing, sent by registered or certified United States mail, postage prepaid, return receipt requested, addressed as follows--

Owner: H. E. Brunson and Laura Brunson  
Louis L. Grabil and Chrystal L. Grabil  
c/o Louis L. Grabil  
P. O. Box 133  
Avila Beach, California 93424

Operator: James D. Williams and Ruth T. Williams  
dba. Lion Hill Mines  
c/o James D. Williams  
P. O. Box 1446  
Salt Lake City, Utah 84110

Either party may change the address to which such payments and notices are to be mailed by giving written notice thereof to the other party as provided in this Section 12.

Section 13. Successors and Assigns

This Agreement shall be binding upon and inure to the benefit of the respective heirs; administrators, executors, successors and assigns of the parties hereto; provided, however, that no assignment or transfer of any rights, privileges, duties or obligations herein contained shall be effective for any purpose until and unless prompt written notice thereof shall be given to the other party as provided in Section 12 hereof.

IN WITNESS WHEREOF this Agreement is executed in triplicate counterparts on the date herein first written.

OWNER:

*Louis L. Grabil*  
\_\_\_\_\_  
Louis L. Grabil

*Chrystal L. Grabil*  
\_\_\_\_\_  
Chrystal L. Grabil

*H. E. Brunson*  
\_\_\_\_\_  
H. E. Brunson

*Laura Brunson*  
\_\_\_\_\_  
Laura Brunson

OPERATOR:

*James D. Williams*  
\_\_\_\_\_  
James D. Williams

*Ruth T. Williams*  
\_\_\_\_\_  
Ruth T. Williams

State of California )  
 : ss  
County of Santa Barbara )

On this 23<sup>rd</sup> day of November, 1970, personally appeared before me, Louis L. Grabil and Chrystal L. Grabil, his wife, who, being by me duly sworn, did acknowledge that the within and foregoing Agreement was executed by them.

(seal)

My commission expires:  
\_\_\_\_\_

State of Texas )  
 : ss  
County of Harris )

On this 17<sup>th</sup> day of November, 1970, personally appeared before me, H. E. Brunson and Laura Brunson, his wife, who, being by me duly sworn, did acknowledge that the within and foregoing Agreement was executed by them.

(seal)

My commission expires:  
1971

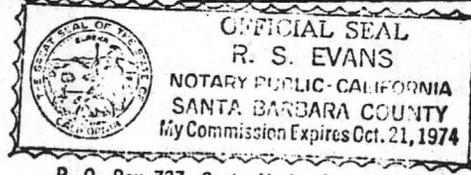
State of Utah )  
 : ss  
County of Salt Lake )

On this 30<sup>th</sup> day of November, 1970, personally appeared before me, James D. Williams and Ruth T. Williams, his wife, who, being by me duly sworn, did acknowledge that the within and foregoing Agreement was executed by them.

(seal)

My commission expires:  
Feb. 6, 1972

R. S. Evans  
Notary Public  
Residing at Santa Maria, Cal 93454



P. O. Box 737, Santa Maria, Calif. 93454

Gayle Gentry  
Notary Public  
Residing at 2100 Cedar Brook, Baytown, Tex

Marlene B. Perkins  
Notary Public  
Residing at Salt Lake City, Utah

**LION HILL MINES**

403 FELT BUILDING  
SALT LAKE CITY, UTAH 84111

FIRST SECURI BANK OF UTAH  
NATIONAL ASSOCIATION  
SALT LAKE CITY, UTAH

No 2239

JAN 5 1971

31-1  
1240

PAY The sum of 2000 Dollars 00 Cts DOLLARS \$ 2,000.00

TO THE  
ORDER  
OF

H.E. Brunson & Laura Brunson  
Louis L. Grabil & Chrystal L. Grabil  
c/o Louis L. Grabil  
P.O. Box 133  
Avila Beach, California 93424

LION HILL MINES

NOT NEGOTIABLE  
BY *James D. Williams*  
AUTHORIZED SIGNATURE

⑆1240⑉0001⑆ 61 01591 13⑈

REMITTANCE ADVICE

LION HILL MINES, SALT LAKE CITY, UTAH

DETACH BEFORE DEPOSITING

| DATE   | INVOICE NO. | DESCRIPTION  | GROSS AMOUNT | DEDUCTIONS | NET AMOUNT |
|--------|-------------|--|--------------|------------|------------|
| 1/5/71 |             | January 10, 1971, installment payment pursuant to the provision of Section 1 of the agreement by and between H.E. Brunson and Laura Brunson, his wife and Louis L. Grabil and Chrystal L. Grabil, his wife and James D. Williams and Ruth I. Williams, his wife, dba. Lion Hill Mines, dated December 1, 1970. |              |            | \$2,000.00 |

NOT NEGOTIABLE

**LION HILL MINES**  
 403 FELT BUILDING  
 SALT LAKE CITY, UTAH 84111

FIRST SECUR. BANK OF UTAH  
 NATIONAL ASSOCIATION  
 SALT LAKE CITY, UTAH

NO. 2291

JUN 16 1971 12 31-1  
 1240

PAY The sum of 3000 and 00/100ths DOLLARS \$ 3,000.00

TO THE  
 ORDER  
 OF

H.E. Brunson & Laura Brunson  
 Louis L. Grabil & Chrystal L. Grabil  
 c/o Louis L. Grabil  
 P.O. Box 133  
 Avila Beach, California 93424

LION HILL MINES

NOT NEGOTIABLE  
 BY *James D. Williams*  
 AUTHORIZED SIGNATURE

⑆1240⑈000⑆ ⑆1 0159⑆ 13⑆

| REMITTANCE ADVICE |             | LION HILL MINES, SALT LAKE CITY, UTAH  |              | DETACH BEFORE DEPOSITING |            |
|-------------------|-------------|--|--------------|--------------------------|------------|
| DATE              | INVOICE NO. | DESCRIPTION  | GROSS AMOUNT | DEDUCTIONS               | NET AMOUNT |
| 6/16/71           |             | June 30, 1971, installment payment pursuant to the provision of Section 1 of the Agreement by and between H.E. Brunson and Laura Brunson, his wife, and Louis L. Grabil and Chrystal L. Grabil, his wife and James D. Williams and Ruth T. Williams, his wife, dba. Lion Hill Mines, dated December 1, 1970. |              |                          | \$3,000.00 |
| NOT NEGOTIABLE    |             |  |              |                          |            |

LION HILL MINES  
 400 FELT BUILDING  
 SALT LAKE CITY, UTAH 84111

FIRST SECUR BANK OF UTAH  
 NATIONAL ASSOCIATION  
 SALT LAKE CITY, UTAH

NO - 2343

JAN 5 1972

31-1  
 1240

PAY The sum of 5000.00 Dots DOLLARS \$5,000.00

TO THE  
 ORDER  
 OF

H.E. Brunson & Laura Brunson  
 Louis L. Grabil & Chrystal L. Grabil  
 c/o Louis L. Grabil  
 P.O. Box 133  
 Avila Beach, California 93424

LION HILL MINES

~~NOT NEGOTIABLE~~  
 BY *[Signature]*  
 AUTHORIZED SIGNATURE

⑆1240⑉0001⑆ ⑆1 01591 13⑆

REMITTANCE ADVISE

LION HILL MINES, SALT LAKE CITY, UTAH

DETACH BEFORE DEPOSITING

| DATE   | INVOICE NO. | DESCRIPTION  | GRGGS AMOUNT | DEDUCTIONS | NET AMOUNT |
|--------|-------------|--|--------------|------------|------------|
| 1/5/72 | Contract    | December 31, 1971, installment payment pursuant to the provisions of Section 1 of the Agreement by and between H.E. Brunson and Laura Brunson, his wife, Louis L. Grabil and Chrystal L. Grabil, his wife, and James D. Williams and Ruth T. Williams, his wife, dba, Lion Hill Mines, Dated December 1, 1970. This payment made as of January 5, 1972, as per written request of selling parties thereto. |              |            | \$5,000.00 |

~~NOT NEGOTIABLE~~

P. M. CRISMON, PRES.  
**CRISMON & NICHOLS**  
 ASSAYERS AND CHEMISTS  
 229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

PHONE 363-7417

**REPORT OF ASSAY**

BALT LAKE CITY, UTAH 84110

April 16, 1971

Lion Hill Mines - Mr. James D. Williams

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

| DESCRIPTION | NO. | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSOL. | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|-------------|-----|-------------------|---------------------|---------------|-----------------|---------------|-----------------|---------------|----------|-----------------------|
| Buckskin    | 1-1 | Trace             | Trace               |               | 0.05            |               |                 |               |          |                       |

LION HILL MINES  
 BUCKSKIN OPERATION  
 NEVADA

REMARKS:

CHARGES \$ 5.50

CRISMON & NICHOLS

BY *[Signature]*

R. R. CASTO

P. M. CRISMON

ORRIN FISHER

HAROLD E. CULVER

**CRISMON & NICHOLS**  
 ASSAYERS AND CHEMISTS  
 229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

PHONE EM 3-7417

**REPORT OF ASSAY**

BALT LAKE CITY, UTAH April 29, 1971

Lion Hill Mines - James D. Williams

WE HAVE ASSAYED YOUR 11 Buckskin DDH SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

| DESCRIPTION | NO.  | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSOL. | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|-------------|------|-------------------|---------------------|---------------|-----------------|---------------|-----------------|---------------|----------|-----------------------|
| 225' - 236' | 1-2  | Trace             | Trace               |               | 0.02            |               |                 |               |          |                       |
| 333' - 338' | 1-3  | Trace             | Trace               |               | 0.05            |               |                 |               |          |                       |
| 324' - 333' | 1-4  | Trace             | 0.10                |               | 0.02            |               |                 |               |          |                       |
| 246' - 263' | 1-5  | Trace             | Trace               |               | 0.05            |               |                 |               |          |                       |
| 306' - 312' | 1-6  | 0.01              | Trace               |               | 0.30            |               |                 |               |          | 35¢                   |
| 312' - 316' | 1-7  | Trace             | 0.30                |               | 1.50            |               |                 |               |          |                       |
| 316' - 324' | 1-8  | Trace             | Trace               |               | 0.32            |               |                 |               |          |                       |
| 338' - 346' | 1-9  | Trace             | Trace               |               | 0.15            |               |                 |               |          |                       |
| 346' - 354' | 1-10 | Trace             | Trace               |               | 0.27            |               |                 |               |          |                       |
| 354' - 367' | 1-11 | Trace             | Trace               |               | 0.30            |               |                 |               |          |                       |
| 367' - 371' | 1-12 | Trace             | Trace               |               | 0.25            |               |                 |               |          |                       |

LION HILL MINES  
 BUCKSKIN OPERATION  
 NEVADA

REMARKS:

CHARGES \$ 60.50

LION HILL MINES  
 BUCKSKIN OPERATION  
 NEVADA

CRISMON & NICHOLS

BY *[Signature]*

AUG 27 1971

**CRISMON & NICHOLS**

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 383-7417

**REPORT OF ASSAY**

SALT LAKE CITY, UTAH 84110 May 20, 1971

Lion Hill Mines - James D. Williams

WE HAVE ASSAYED YOUR twenty-seven SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

| DESCRIPTION   | NO.  | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSOUL | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|---------------|------|-------------------|---------------------|---------------|-----------------|---------------|-----------------|---------------|----------|-----------------------|
| TAC           | 1    |                   |                     |               | 0.53            |               |                 |               |          |                       |
| Composite DDH | 1    | Trace             | Trace               |               |                 |               |                 |               |          |                       |
| DDH-1 372-380 | 1-13 |                   |                     |               | 0.07            |               |                 |               |          |                       |
| " 380-390     | 1-14 |                   |                     |               | 0.05            |               |                 |               |          |                       |
| " 390-398     | 1-15 |                   |                     |               | 0.07            |               |                 |               |          |                       |
| " 398-406     | 1-16 |                   |                     |               | 0.05            |               |                 |               |          |                       |
| " 406-415     | 1-17 |                   |                     |               | 0.10            |               |                 |               |          |                       |
| " 415-424     | 1-18 |                   |                     |               | 0.14            |               |                 |               |          |                       |
| " 424-433     | 1-19 |                   |                     |               | 0.07            |               |                 |               |          |                       |
| " 433-443     | 1-20 |                   |                     |               | 0.18            |               |                 |               |          |                       |
| " 443-449     | 1-21 |                   |                     |               | 0.08            |               |                 |               |          |                       |
| Composite DDH | 2    | Trace             | Trace               |               |                 |               |                 |               |          |                       |
| DDH-2 275-284 | 2-1  |                   |                     |               | 0.04            |               |                 |               |          |                       |
| " 284-292     | 2-2  |                   |                     |               | 0.04            |               |                 |               |          |                       |
| " 292-302     | 2-3  |                   |                     |               | 0.03            |               |                 |               |          |                       |
| " 302-310     | 2-4  |                   |                     |               | 0.04            |               |                 |               |          |                       |
| " 310-319     | 2-5  |                   |                     |               | 0.03            |               |                 |               |          |                       |
| " 319-327     | 2-6  |                   |                     |               | 0.05            |               |                 |               |          |                       |
| " 327-336     | 2-7  |                   |                     |               | 0.07            |               |                 |               |          |                       |
| " 336-345     | 2-8  |                   |                     |               | 0.07            |               |                 |               |          |                       |
| " 345-353     | 2-9  |                   |                     |               | 0.09            |               |                 |               |          |                       |
| " 353-368     | 2-10 |                   |                     |               | 0.13            |               |                 |               |          |                       |
| " 368-377     | 2-11 |                   |                     |               | 0.05            |               |                 |               |          |                       |
| " 377-386     | 2-12 |                   |                     |               | 0.24            |               |                 |               |          |                       |
| " 386-395     | 2-13 |                   |                     |               | 0.13            |               |                 |               |          |                       |
| " 395-404     | 2-14 |                   |                     |               | 0.05            |               |                 |               |          |                       |
| " 404-415     | 2-15 |                   |                     |               | 0.04            |               |                 |               |          |                       |

LION HILL MINES  
BUCKSKIN OPERATION  
NEVADA  
AUG 27 1971

REMARKS: Samples received May 19th

CHARGES \$ 57.00

CRISMON & NICHOLS

*[Signature]*

**CRISMON & NICHOLS**

ASSAYERS AND CHEMISTS  
229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

**REPORT OF ASSAY**

Lion Hill Mines - James D. Williams

SALT LAKE CITY, UTAH 84110 June 2, 1971

WE HAVE ASSAYED YOUR SAMPLES AND FIND TO CONTAIN AS FOLLOWS:

| DESCRIPTION     | NO.    | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSO. | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|-----------------|--------|-------------------|---------------------|---------------|-----------------|---------------|----------------|---------------|----------|-----------------------|
| Composite       | 2      | 0.01              | Trace               |               |                 |               |                |               |          | 35¢                   |
| 349 - 353       | 2 16-2 |                   |                     |               | 0.44            |               |                |               |          |                       |
| 360 - 374       | 2 17-2 |                   |                     |               | 0.05            |               |                |               |          |                       |
| 374 - 387       | 2 18-2 |                   |                     |               | 0.21            |               |                |               |          |                       |
| 387 - 395       | 2 19-2 |                   |                     |               | 0.13            |               |                |               |          |                       |
| Composite DDH   | 3      | 0.02              | Trace               |               |                 |               |                |               |          | 70¢                   |
| DDH-3 195 - 202 | 3-1    |                   |                     |               | 0.10            |               |                |               |          |                       |
| " 321 - 329     | 3-2    |                   |                     |               | 0.05            |               |                |               |          |                       |
| " 351 - 369     | 3-3    |                   |                     |               | 0.08            |               |                |               |          |                       |
| " 369 - 374     | 3-4    |                   |                     |               | 0.08            |               |                |               |          |                       |
| " 374 - 379     | 3-5    |                   |                     |               | 0.62            |               |                |               |          |                       |
| " 379 - 385     | 3-6    |                   |                     |               | 0.75            |               |                |               |          |                       |
| " 385 - 390     | 3-7    |                   |                     |               | 0.54            |               |                |               |          |                       |
| " 390 - 395     | 3-8    |                   |                     |               | 0.88            |               |                |               |          |                       |
| " 395 - 400     | 3-9    |                   |                     |               | 1.86            |               |                |               |          |                       |
| " 400 - 407     | 3-10   |                   |                     |               | 0.18            |               |                |               |          |                       |
| " 407 - 409     | 3-11   |                   |                     |               | 0.10            |               |                |               |          |                       |

LION HILL MINES  
BUCKSKIN OPERATION  
NEVADA  
AUG 27 1971

REMARKS:

CHARGES \$ 37.00

CRISMON & NICHOLS

*[Signature]*

P. M. CRISMON, PRES.

# CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

## REPORT OF ASSAY

Lion Hill Mines - James D. Williams

BALT LAKE CITY, UTAH 84110 June 4, 1971

WE HAVE ASSAYED YOUR one SAMPLES AND FIND it TO CONTAIN AS FOLLOWS:

| DESCRIPTION                 | NO.   | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSOL. | PER CENT IRON | PER CENT MOLYBDENUM | VALUE OF GOLD PER TON |
|-----------------------------|-------|-------------------|---------------------|---------------|-----------------|---------------|-----------------|---------------|---------------------|-----------------------|
| Composite Samples 5,6,7,8,9 | DDH-3 | 0.03              | Trace               |               |                 |               |                 |               | Trace               | \$ 1.05               |

REMARKS:

CHARGES \$ 9.50

CRISMON & NICHOLS

BY *[Signature]*

R. R. CASTO

P. CRISMON

ORRIN FISHER

HAROLD E. CULVER

# CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

## REPORT OF ASSAY

Lion Hill Mines - James D. Williams

BALT LAKE CITY, UTAH June 14, 1971

WE HAVE ASSAYED YOUR eight SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

| DESCRIPTION              | NO.  | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSOL. | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|--------------------------|------|-------------------|---------------------|---------------|-----------------|---------------|-----------------|---------------|----------|-----------------------|
| ALL DDH-3                |      |                   |                     |               |                 |               |                 |               |          |                       |
| 409-420                  | 3-12 |                   |                     |               | 0.05            |               |                 |               |          |                       |
| 420 - 438                | 3-13 |                   |                     |               | 0.62            |               |                 |               |          |                       |
| 438 - 451                | 3-14 |                   |                     |               | 0.08            |               |                 |               |          |                       |
| 451 - 463                | 3-15 |                   |                     |               | 0.05            |               |                 |               |          |                       |
| Composite 3-12 thru 3-15 |      | 0.01              | Trace               |               |                 |               |                 |               |          | 35¢                   |
| 463 - 470                | 3-16 |                   |                     |               | 0.07            |               |                 |               |          |                       |
| 470 - 475                | 3-17 |                   |                     |               | 0.04            |               |                 |               |          |                       |
| Composite 3-16 & 3-17    |      | Trace             | Trace               |               |                 |               |                 |               |          |                       |

REMARKS:

CHARGES \$ 19.00

CRISMON & NICHOLS

BY *[Signature]*

LION HILL MINES  
BUCKSKIN OPERATION  
NEVADA  
AUG 27 1971

P. M. CRISMON, PRES.

# CRISMON & NICHOLS

ASSAYERS AND CHEMISTS  
229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

PHONE 363-7417

## REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 July 1, 1971

Lion Hill Mines - James D. Williams

WE HAVE ASSAYED YOUR seven SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

| DESCRIPTION                          | NO. | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSO. | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|--------------------------------------|-----|-------------------|---------------------|---------------|-----------------|---------------|----------------|---------------|----------|-----------------------|
| 285-288 DDH-4                        | 4-1 |                   |                     |               | 0.10            |               |                |               |          |                       |
| 288-291 "                            | 4-2 |                   |                     |               | 0.23            |               |                |               |          |                       |
| 291-296 "                            | 4-3 |                   |                     |               | 0.10            |               |                |               |          |                       |
| 296-301 "                            | 4-4 |                   |                     |               | 0.31            |               |                |               |          |                       |
| 301-303 "                            | 4-5 |                   |                     |               | 0.28            |               |                |               |          |                       |
| 303-306 "                            | 4-6 |                   |                     |               | 0.62            |               |                |               |          |                       |
| Composite above 6 Samples 4-1 to 4-6 |     | Trace             | Trace               |               |                 |               |                |               |          |                       |

REMARKS:

CHARGES \$ 15.50

CRISMON & NICHOLS

BY *[Signature]*

R. R. CASTO

CRISMON

ORRIN F. ORR

HAROLD E. CULVER

# CRISMON & NICHOLS

ASSAYERS AND CHEMISTS  
229-231 SOUTH WEST TEMPLE STREET

P. O. Box 1708

PHONE EM 3-7417

## REPORT OF ASSAY

SALT LAKE CITY, UTAH July 27, 1971

Lion Hill Mines - James D. Williams

WE HAVE ASSAYED YOUR eight SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

| DESCRIPTION       | NO. | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSO. | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|-------------------|-----|-------------------|---------------------|---------------|-----------------|---------------|----------------|---------------|----------|-----------------------|
| ALL SAMPLES DDH-5 |     |                   |                     |               | .....           |               |                |               |          |                       |
| 94 - 97           | S-1 | Trace             | Trace               |               | 0.33            |               |                |               |          |                       |
| Composite S-2,3   |     | 0.02              | Trace               |               |                 |               |                |               |          | 70¢                   |
| 303 - 309         | S-2 |                   |                     |               | 0.08            |               |                |               |          |                       |
| 309 - 315         | S-3 |                   |                     |               | 0.10            |               |                |               |          |                       |
| Composite S-4,5,6 |     | Trace             | Trace               |               |                 |               |                |               |          |                       |
| 315 - 320         | S-4 |                   |                     |               | 0.10            |               |                |               |          |                       |
| 320 - 329         | S-5 |                   |                     |               | 1.26            |               |                |               |          |                       |
| 329 - 334         | S-6 |                   |                     |               | 0.44            |               |                |               |          |                       |

DDH. No 5.  
NOTE S- numbering should be 5-1 numbering. Error made by sample boy

REMARKS:

*[Signature]*

CHARGES \$ 22.50

CRISMON & NICHOLS

BY *[Signature]*

LION HILL MINES  
BUCKSKIN OPERATION  
NEVADA  
AUG. 27 1971

PHONE 363-7417

**CRISMON & NICHOLS**

ASSAYERS AND CHEMISTS  
229-231 SOUTH WEST TEMPLE STREET

**REPORT OF ASSAY**

SALT LAKE CITY, UTAH 84110 July 28, 1971

Lion Hill Mines - James D. Williams

WE HAVE ASSAYED YOUR thirteen SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

| DESCRIPTION                     | NO.  | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSOI. | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|---------------------------------|------|-------------------|---------------------|---------------|-----------------|---------------|-----------------|---------------|----------|-----------------------|
| All Samples DDH-5               |      |                   |                     |               |                 |               |                 |               |          |                       |
| Composite Sample S-7 thru S-10  |      | Trace             | Trace               |               |                 |               |                 |               |          |                       |
| 334 - 343                       | S-7  |                   |                     |               | 0.72            |               |                 |               |          |                       |
| 343 - 345                       | S-8  |                   |                     |               | 0.18            |               |                 |               |          |                       |
| 345 - 350                       | S-9  |                   |                     |               | 0.35            |               |                 |               |          |                       |
| 350 - 355                       | S-10 |                   |                     |               | 0.19            |               |                 |               |          |                       |
| Composite Sample S-11 thru S-13 |      | Trace             | Trace               |               |                 |               |                 |               |          |                       |
| 355 - 361                       | S-11 |                   |                     |               | 0.71            |               |                 |               |          |                       |
| 361 - 366                       | S-12 |                   |                     |               | 0.36            |               |                 |               |          |                       |
| 366 - 368                       | S-13 |                   |                     |               | 0.19            |               |                 |               |          |                       |
| Composite Sample S-14 thru S-17 |      | Trace             | Trace               |               |                 |               |                 |               |          |                       |
| 368 - 374                       | S-14 |                   |                     |               | 0.26            |               |                 |               |          |                       |
| 379 - 383                       | S-15 |                   |                     |               | 0.51            |               |                 |               |          |                       |
| 383 - 388                       |      |                   |                     |               | 0.64            |               |                 |               |          |                       |

**NOTE:**

DDH No. 5

S-numbering should be 5-1 numbering. Error made by sample box.

*Jaw*

LION HILL MINES  
BUCKSKIN OPERATION  
NEVADA  
AUG 27 1971

REMARKS:

CHARGES @ 30.50

CRISMON & NICHOLS

*[Signature]*

## CRISMON &amp; NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. Box 1708

## REPORT OF ASSAY

BALT LAKE CITY, UTAH 84110 August 11, 1971

Lion Hill Mines - James D. Williams

WE HAVE ASSAYED YOUR thirteen SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

| DESCRIPTION   | NO.   | OZS. GOLD<br>PER TON | OZS. SILVER<br>PER TON | PER CENT<br>LEAD | PER CENT<br>COPPER | PER CENT<br>ZINC | PER CENT<br>INSOL. | PER CENT<br>IRON | PER CENT | VALUE OF GOLD<br>PER TON |
|---|-------|----------------------|------------------------|------------------|--------------------|------------------|--------------------|------------------|----------|--------------------------|
| ALL DDH-6   |       |                      |                        |                  |                    |                  |                    |                  |          |                          |
| Samples of Aug. 10<br>Re-Crush, Re-<br>Divide, Re-<br>Pulverize and<br>Re-Assay |       |                      |                        |                  |                    |                  |                    |                  |          |                          |
| 254 - 257   | 6 - 1 |                      |                        |                  | 0.20               |                  |                    |                  |          |                          |
| 257 - 261   | 6-2   |                      |                        |                  | 0.72               |                  |                    |                  |          |                          |
| 261 - 265   | 6-3   |                      |                        |                  | 0.64               |                  |                    |                  |          |                          |
| 265 - 270   | 6-4   |                      |                        |                  | 0.20               |                  |                    |                  |          |                          |
| 270 - 274   | 6-5   |                      |                        |                  | 0.10               |                  |                    |                  |          |                          |
| 274 - 281   | 6-6   |                      |                        |                  | 0.06               |                  |                    |                  |          |                          |
| 281 - 285   | 6-7   |                      |                        |                  | 0.56               |                  |                    |                  |          |                          |
| 285 - 290   | 6-8   |                      |                        |                  | 0.33               |                  |                    |                  |          |                          |
| 290 - 293   | 6-9   |                      |                        |                  | 1.05               |                  |                    |                  |          |                          |
| 293 - 296   | 6-10  |                      |                        |                  | 0.56               |                  |                    |                  |          |                          |
| 296 - 300   | 6-11  |                      |                        |                  | 0.28               |                  |                    |                  |          |                          |
| 300 - 305   | 6-12  |                      |                        |                  | 0.15               |                  |                    |                  |          |                          |
| 304 - 328 (Fe)  | 6-13  |                      |                        |                  | 0.13               |                  |                    |                  |          |                          |

LION HILL MINES  
BUCKSKIN OPERATION  
NEVADA  
AUG 27 1971

REMARKS: We are re-sampling and re-assaying Sample 6-7 tomorrow

CHARGES \$ No additional charge

CRISMON &amp; NICHOLS

BY *[Signature]*

P. M. CRISMON, PRES.

# CRISMON & NICHOLS

ASSAYERS AND CHEMISTS

229-231 SOUTH WEST TEMPLE STREET

PHONE 363-7417

P. O. Box 1708

## REPORT OF ASSAY

SALT LAKE CITY, UTAH 84110 August 12, 1971

Lion Hill Mines - James D. Williams

WE HAVE ASSAYED YOUR two SAMPLES AND FIND them TO CONTAIN AS FOLLOWS:

| DESCRIPTION                             | NO. | OZS. GOLD PER TON | OZS. SILVER PER TON | PER CENT LEAD | PER CENT COPPER | PER CENT ZINC | PER CENT INSOL. | PER CENT IRON | PER CENT | VALUE OF GOLD PER TON |
|---|-----|-------------------|---------------------|---------------|-----------------|---------------|-----------------|---------------|----------|-----------------------|
| Samples of Aug. 10                      |     |                   |                     |               |                 |               |                 |               |          |                       |
| Composite Samples 6-2 & 6-3             |     | Trace             | 0.20                |               |                 |               |                 |               |          |                       |
| Composite Samples 6-7, 6-8, 6-9, & 6-10 |     | Trace             | 0.30                |               |                 |               |                 |               |          |                       |

REMARKS:

CHARGES \$ 7.00

CRISMON & NICHOLS

BY [Signature]

A.I.Ch.E.

A.I.M.E.

**JAMES D. WILLIAMS**

CHEMICAL ENGINEER

MINERALS EXPLORATION & DEVELOPMENT

TELEPHONE (801) 363-6566

409 FELT BUILDING

P. O. BOX 1446

SALT LAKE CITY, UTAH 84111

SALT LAKE CITY, UTAH 84110

BUCKSKIN MINE, Douglas County, Nevada

James D. Williams P.O. Box 1446, Salt Lake City, Utah  
84110

(includes \$10,000 property)

- 1) DOWN PAYMENT \$ 75,000 payment)
  - 2) Dec. 1972 PROPERTY PAYMENT 10,000
  - 3) ~~WORK COMMITMENT NEXT 12 MO. 125,000~~
  - 4) AFTER 11 MONTHS (enter 12th month) 75,000
  - 5) ✓ 23 ✓
  - 6) ✓ 35 ✓
  - 7) TWO PROPERTY PAYMENTS 15,000 EA.
- TOTAL COST \$ 340,000

WILLIAMS has option on 6 patented claims and a patented fraction. Also has a sales agreement on Three more patented claims to The South, minimum price is \$100,000 of which Williams gets a 10% commission. Anaconda is supposed to be drilling a deep hole just south of these claims.

See sketch map by Williams for general features of property.

Call on Tues April 25 or 26, 1972 if we are interested (801) 363-6566

JH 4-14-72

May 16, 1972 Talked to Williams on phone, he has decided to pursue further development of Buckskin mine himself and will drill several deeper holes from June 5 - July 5. No response from other companies on his mine.

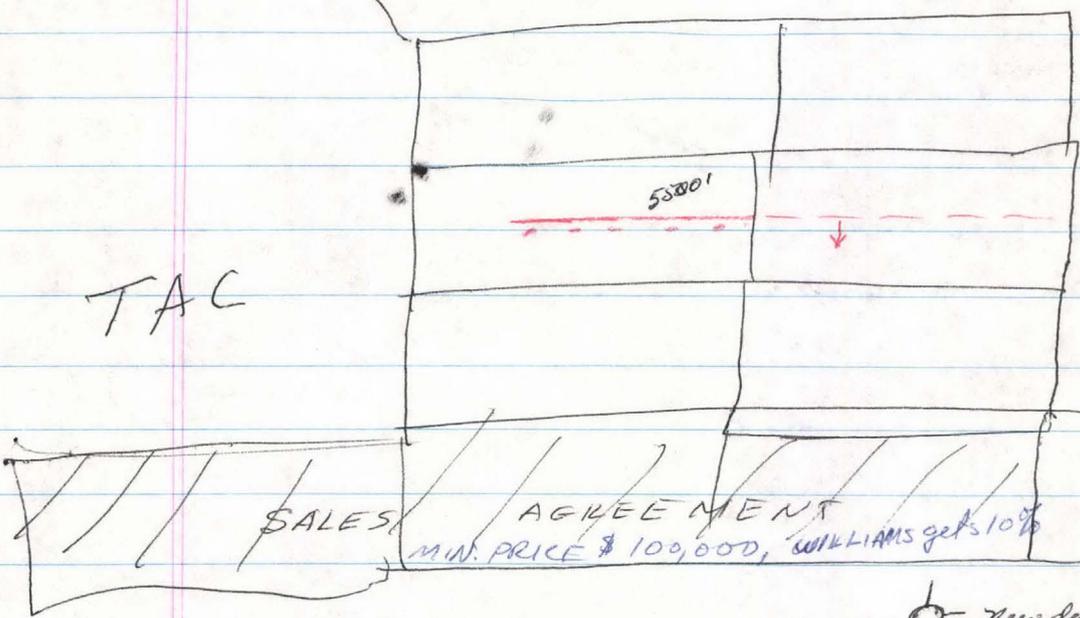
11

1 BU 219  
6200'

900'  
NW

TAC  
59 located \$590,000  
\$7,000/mo 124pp open end

TAC



PD

 New deep hole

TAC