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Hinton Ranch Molybdenum Prospect

Summary Report

Frank J. Nelson
Freeport Exploration Company
May 27, 1968

Hinton Ranch Molybdenum Prospect

Summary Report

Location

Approximately 28 miles northwest of Safford, Arizona, in the Santa Teresa Mountains. The area covered includes parts of Sections 19, 20, 28, 29, 30, 31, 32 and 33, Township 5 South, Range 21 East, Graham County, Arizona.

History

This area was first brought to the attention of Freeport Exploration Company by Mr. Dan Hinton of Ft. Thomas, Arizona, and Mr. Leslie West of Safford, Arizona, on September 27, 1967. Mr. Hinton had uncovered a "ledge" of molybdenite-bearing granite porphyry while bulldozing in the northeast quarter of Section 32. This rock was shown to me by Mr. Hinton while I was visiting the area on an examination of other nearby prospects. Two samples, subsequently cut from exposures of the molybdenite-bearing rock assayed 0.400% and 0.230% total Mo.

Reconnaissance of the surrounding area and geochemical sampling were conducted through October. A letter of intent, setting forth the general form of a lease-option agreement was signed on October 15th. Staking of 110 claims and application for State Prospecting Permits began on November 15th and continued until December 14th. A severe snow storm and subsequent flooding made the prospect inaccessible until January 9th, at which time an I.P. survey was started. Drilling began on January 24th. Principally due to renewed flooding, it took until April 11th to complete three diamond drill holes. Exploration efforts on the prospect terminated on May 14th.

Geology

The prospect is located in the eastern edge of a large granitic intrusive (approximately 20 x 10 miles in area) located in the west-central part of Graham County. This intrusive stock consists basically of equigranular and porphyritic biotite granite, cut by dikes and masses of aplite, rhyolite and diabase.

In the immediate area of the Hinton Prospect, the granite is in contact with an andesitic volcanic vent and related flows and dikes. The granite explored is quite variable in texture, though mainly porphyritic, and is generally strongly weathered. Random dikes of aplite and veins of massive milky quartz are common. Jointing and fracturing are locally well-developed, trending mainly to the northwest. Intense shearing of the granite occurs in scattered zones, most notably in the northwest quarter of Section 28.

Patches of highly feldspathized and kaolin-sericite altered granite are found throughout the area of the prospect, both as surface exposures and in drill holes. Granite not affected by this type of alteration is generally fresh, once the surface-weathered crust is penetrated. Some silicification and locally strong clay alteration occur in the zones of highly sheared rock.

Anomalous molybdenum mineralization was found in 14 separate locations, contained within a roughly circular area approximately 6,000 feet in diameter, centering around the claim, "Chula #57." Disseminated molybdenite, pyrite and minor chalcopryite were found in all the textural types of granite encountered on the surface or in drill holes (porphyry, porphyritic, equigranular, aplitic and pegmatitic). Aplite dikes encountered were barren, except for magnetite and traces of pyrite. The "feldspathized rock" is barren of molybdenum mineralization.

Geochemical Data

In general, geochemical prospecting seemed to be ineffective on this area. Enclosed are three maps showing some of the results of this survey. The 14 places in which anomalous molybdenum assays were gathered were:

| | | <u>Highest Assay</u> | |
|-------------------------------------|------|----------------------|--------|
| DDH-1 | 419' | 0.275% Mo | |
| DDH-2 | 863' | 160 | PPM Mo |
| DDH-3 | 900' | 340 | " " |
| Rotary Hole A | | 20 | " " |
| | B | 120 | " " |
| | C | 30 | " " |
| | G | 20 | " " |
| | J | 330 | " " |
| | N | 35 | " " |
| S.W. corner Chula #40 | | 85 | " " |
| On road near Rotary Hole A | | 70 | " " |
| N.W. $\frac{1}{4}$ Chula #58 | | 35 | " " |
| Original MoS ₂ discovery | | 0.400% Mo | |
| Near DDH-2 in outcrop | | 0.230% Mo | |

Geophysical Data

The induced polarization survey consisted of five northeast-trending lines, and was conducted by Geoscience Inc. under contract. A weak, subtle northwest-southeast trending anomalous zone was developed, and tested by the drilling of DDH-3. The report from Geoscience is attached.

Drill Hole Data

A total of 19 holes was drilled on the prospect. Three of these were diamond drill holes that went 419, 863 and 900 feet respectively. Geologic logs with assay data from these holes are attached to this report. The remaining 16 holes were rotary air-blast drilled, and used both for exploration and claim validation purposes. The deepest of these holes went 205 feet (Hole "I"). Assay results from these holes are attached.

Conclusions

The molybdenum mineralization found on the Hinton Prospect, while widespread, did not prove to be of economic grade.

The only rock containing molybdenite encountered on the surface or in drilling was the granite, in all its textural varieties. Discrete grains of molybdenite are found enclosed within crystals of feldspar and quartz, and commonly in flakes of biotite. The host rock is mainly fresh, with glassy feldspars and bright, black biotite.

It is probable, therefore, that the MoS_2 was first formed as one of the primary minerals of the granite, concentrated somewhat near the edges of the intrusive stock. Later tectonic deformation of the granite in this "fringe" of higher-than-background MoS_2 might have resulted in locally increased concentrations of the sulphides. This would account for the somewhat higher percentage of MoS_2 in the sheared and broken portions of the drill core.

Any further prospecting for suitable tonnages of economic grade MoS_2 mineralization should, therefore, be conducted along the fringes of the intrusive stock, in areas of intense fracturing and deformation.

Frank J. Nelson/bk
May 27, 1968

GEOSCIENCE INCORPORATED

1988

11.1.17

A PRELIMINARY REPORT OF
THE INDUCED POLARIZATION SURVEY
AT BLACK ROCK, SAFFORD, ARIZONA

FREEPORT SULPHUR COMPANY

HILTON AREA A

GEOSCIENCE
INCORPORATED
REPORT

GEOSCIENCE INCORPORATED

FORWARD:

This induced polarization survey was performed for and under the direction of Freeport Sulphur Company. The areas surveyed were in the state of Arizona. An enclosed map shows the general location of the field sites. There were 6 setups run on 3 lines with a total coverage in excess of 22,000 feet.

A dipole-dipole electrode array using 500 and 250 foot dipole spacings was chosen for the survey.

The induced polarization lines are discussed set-up by set-up in numerical order of the field work. Overall comparisons and recommendations have been made in the conclusion of this report.

The interpretations in this report are based on the geophysical data only. As yet, no attempt has been made to relate the geophysical data to geologic information.

GEOSCIENCE INCORPORATED

DISCUSSION:

Line A1:

· This line was the first to be run in this program.

The apparent resistivity profile displays a somewhat high overall appearance, marked by some lower resistivity contrasts.

A gradual decrease in near surface values is noted in a SW direction. A major contrast in values appear near to station 6 to 7. It would appear that a higher resistive rock underlays this line and might come closer to the surface at or about station 6 to 7.

The frequency effect profile displays some changes in value from a background of +2.0% to over 3.0%, which are displayed over 20% of this line. A normal increase in percent frequency effect occurs at or about positions 7-8 and continues to the northeast end of the line.

GEOSCIENCE INCORPORATED

Line A2:

This line was the second to be run in this program.

The apparent resistivity profile displays a somewhat high appearance between positions 1-2 to 7-8, marked by some lower resistivity contrasts, suggesting a feature or contact at these locations. The resistivities decrease to the northeast end of the line but no limit is given because of lack of data. *to A1*

The frequency effect profile displays changes in value from a background of $\pm 1.0\%$ to over 4.0% .

INCORPORATED

REPORT

GEOSCIENCE INCORPORATED

Line B1:

This line was the third to be run in this program.

The apparent resistivity profile displays in general a very similar trend as noted in Line A1. An increase in value occurs until about position 6 to 7, where the higher resistivity come very close to surface. It would appear that a major contact or feature exists between stations 3 and 6.

The frequency effect profile displays changes from 2.0% to 5.0%.

There are two percent frequency effect features on Line B1. The first feature is located between positions 1 thru 4. The second feature is the build up of frequency effects between positions 9 and 10.

GEOSCIENCE INCORPORATED

Line B2:

This line was the fourth to be run in this program.

The apparent resistivity profile displays a high appearance from positions 2 thru 6, suggesting a contact or feature at two locations, position 3 to 4 and positions 6 to 7.

The frequency effect profile displays changes from a background of 2.0% to over 4.0%.

A very definite increase in value is noted between positions 1 to 4.

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INCORPORATED

REPORT

GEOSCIENCE INCORPORATED

Line DB:

This line utilized 250 foot dipole as opposed to the 500 foot dipole used on lines A & B. It was placed to ascertain the near surface response on Line B.

The apparent resistivity profile displays major contrasts in value. A high resistive zone is noted at or about location 1 to 2 and at or about location 8 to 10. A lower resistive zone is centered near location 3 to 4.

The PFE data displays an increasing trend between stations 2 to 5. The increase in values is from less than 2% to over 4%.

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INCORPORATED

REPORT

GEOSCIENCE INCORPORATED

Line C:

This line was the second check-out line to be run.

The apparent resistivity profile displays rather large contrasts in value. A high resistive feature is noted between station 1 to 3. A low resistive zone lies close to the NE of the resistive feature.

The frequency effect data displays a very definite increase in value between stations 5 to 7.

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REPORT

GEOSCIENCE INCORPORATED

CONCLUSION:

Certain features are apparent as a result of this survey. On line A it would appear that a slight increase in PFE value occurs between two zones of higher resistivity. The actual change is very slight. This feature is also apparent on Line B. This line displays though a stronger zone of higher PFE values. (On setup B₂).

It would appear that the high resistive zone on the NE portion of both lines ^{cut to both lines} nearly perpendicular to the lines, and that a definite cut-off in PFE values occurs at this point.

A second perpendicular high resistive feature is noted near to position 6 to 7 on both lines. This feature does not display the low PFE value noted on the other feature. This fact suggests even though the apparent resistivity values are similar a different rock type might occur.

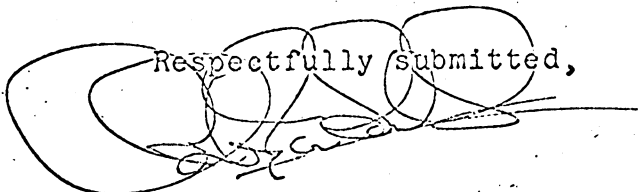
The two check out lines confirmed the locations of the higher responses noted on Line B setup B₂. Lines DB and C displays the feature noted on Lines A and B, namely the higher PFE values associated with the higher resistive zone in the center of the line and the lower response associated with the high resistive feature on the NE portion of the lines.

GEOSCIENCE INCORPORATED

This report can be regarded only as a preliminary report of the work to date. Due to hurried preparation the format and contents of the report are subject to change.

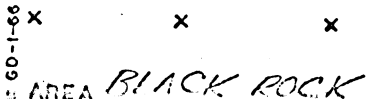
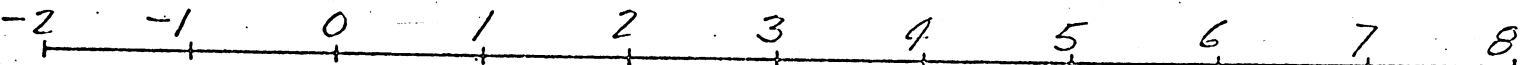
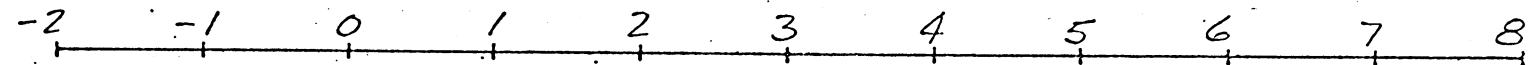
The survey has been continued to ascertain the regional changes within the ^{staked} ~~stated~~ area. Comparison of this data, upon its completion, to the data contained within this report, will allow definite comparisons to be made of the general area relative to the area of ^{intent} ~~intent~~.

Respectfully submitted,

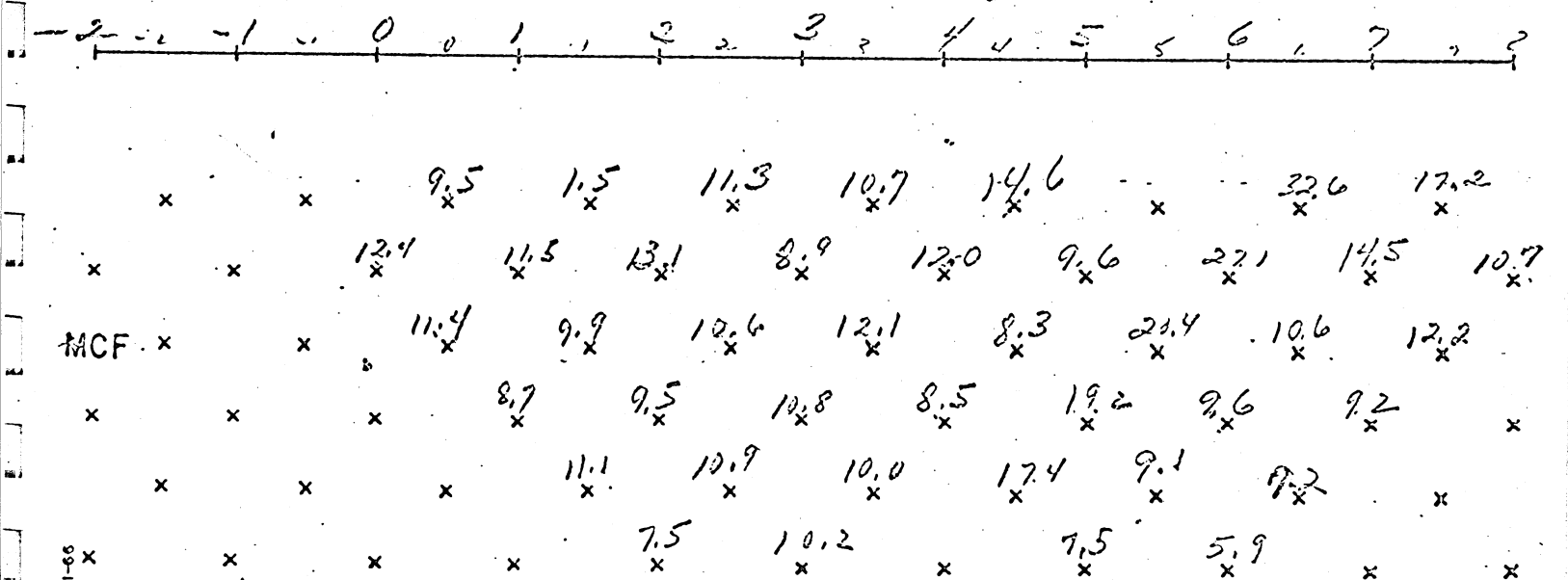
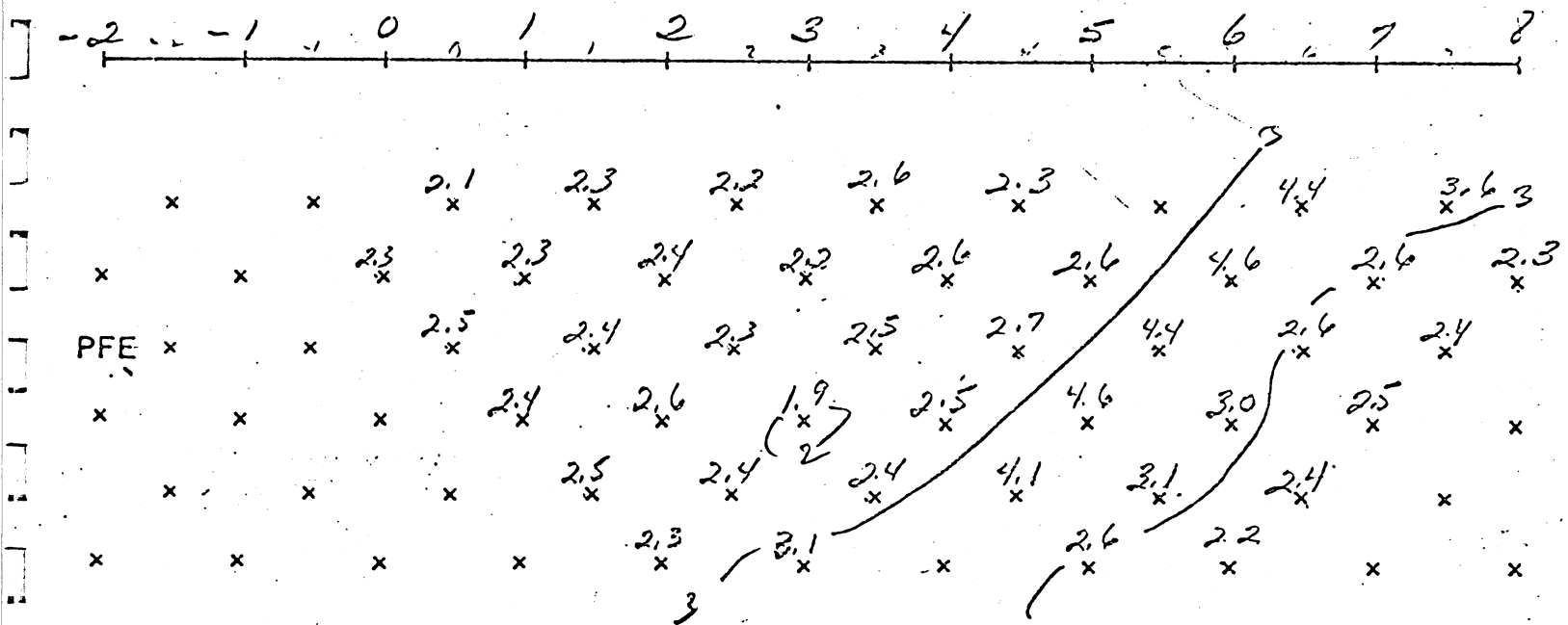
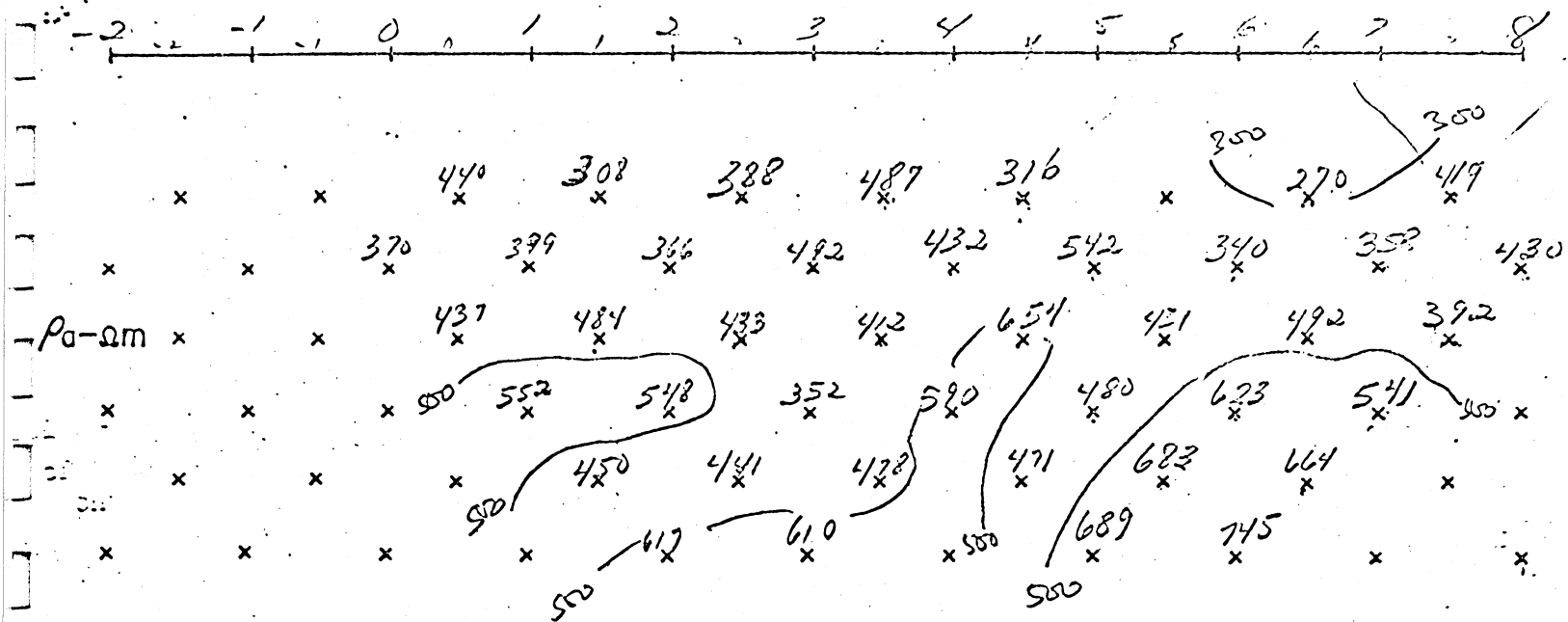


Antony Ivan Smith
Regional Manager
Western Division

AIS/dla



GEOSCIENCE INCORPORATED
INDUCED POLARIZATION PROFILE WORK SHEET



SCALE: 1"=1000'

155

GRANDE TRAIL

LINE B

LINE A

LINE C

LINE D

LINE E

LINE D

R21E

Zone 23 West
1000000

GEOSCIENCE INCORPORATED
Induced Polarization Survey

Job No: 515

Client: PIERCE SOUTHERN COMPANY

Location: BLACK ROCK

Sheet: 1 of 1

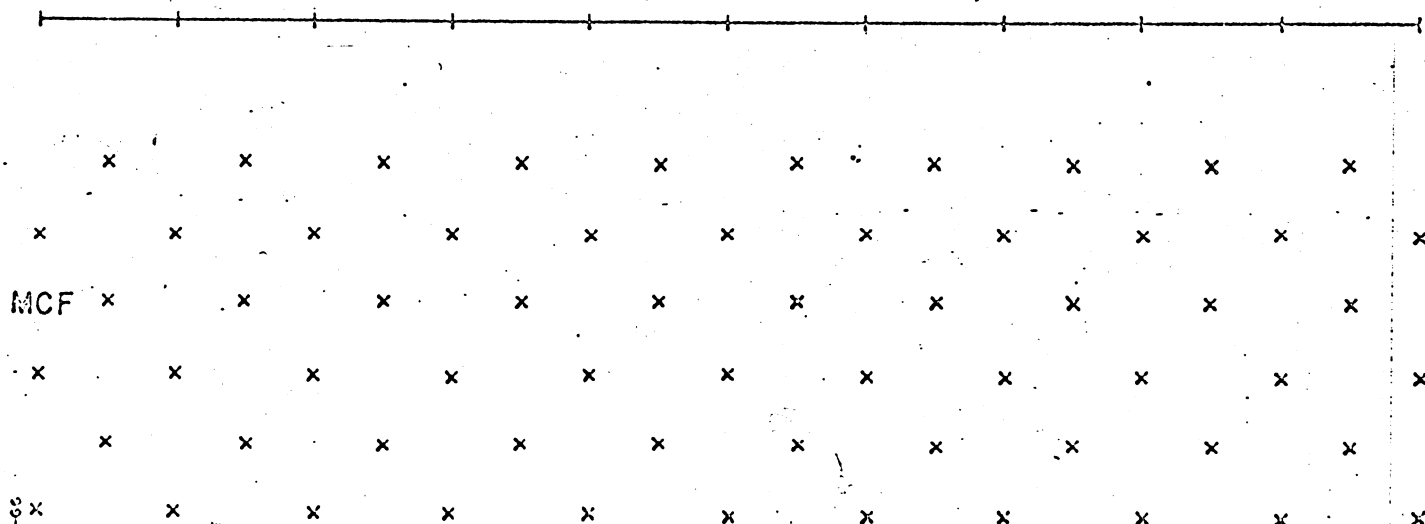
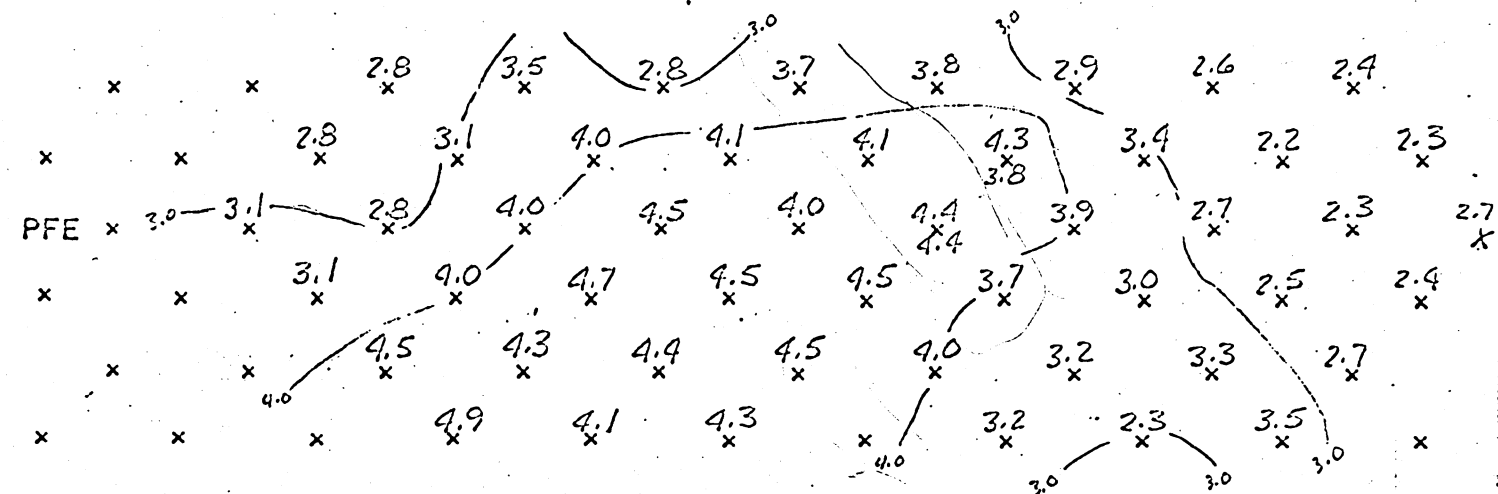
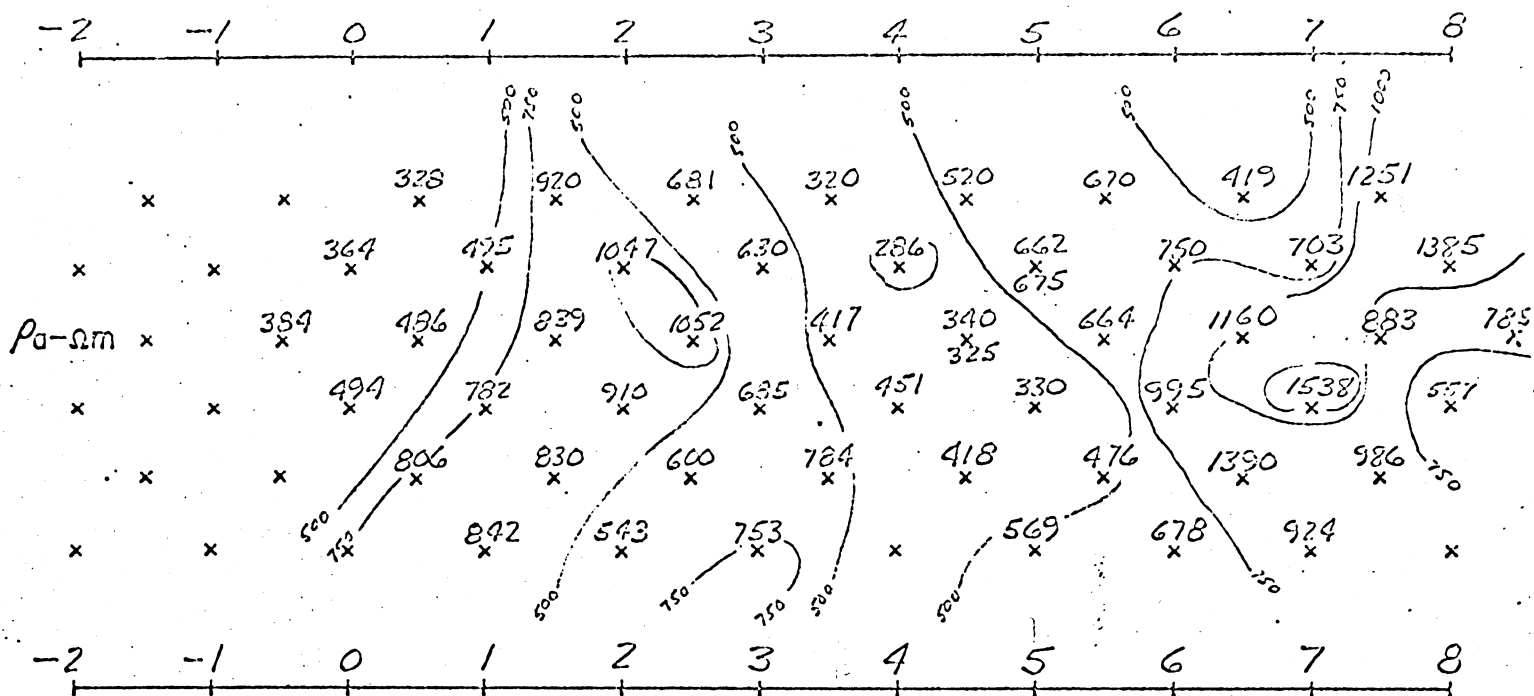
Date: JANUARY 1968

Line No: ADDITIONAL

Revisions:

Drawn By: KAL Approved: AHS

INDUCED POLARIZATION PROFILE WORK SHEET

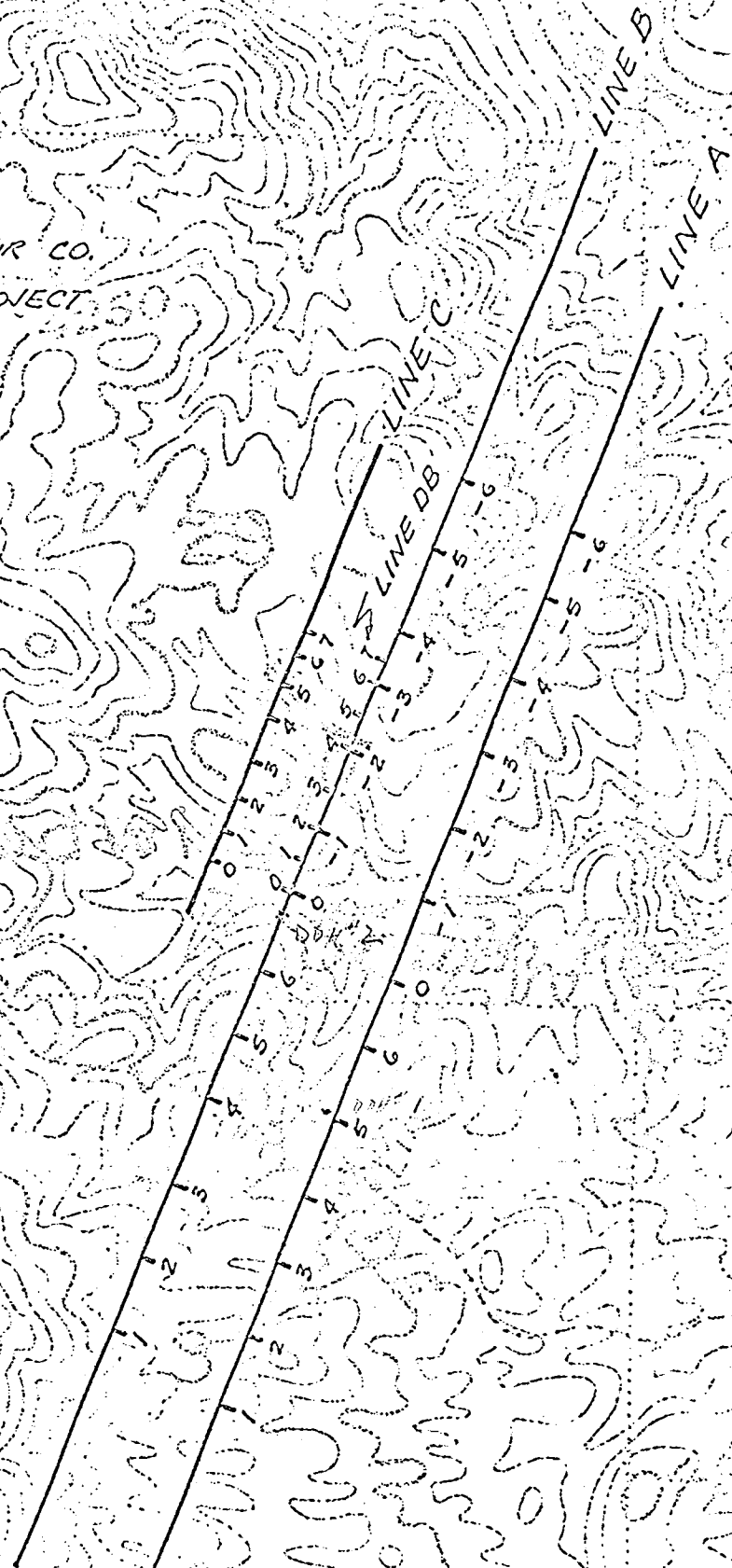
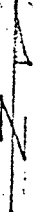


FORM 60-100
 AREA BLACK ROCK STATE ARIZ. LINE NO. DB DATA BY DATE JAN. 1968
 TRANS. REC. , DIPOLE - DIPOLE ARRAY, 1: cpts, c=1 250' FEET

JOB 546

FREEPORT SULFUR CO.

BLACK ROCK PROJECT



GEOSCIENCE INCORPORATED

A SUBSIDIARY OF AMPEX CORPORATION

199 BENT STREET, CAMBRIDGE, MASSACHUSETTS 02147

26 February, 1968

WESTERN GEOPHYSICAL EXPLOREATION DIVISION
P.O. BOX 1470
TUCSON, ARIZONA 85710
TELEPHONE: 602-885-6171

| | | |
|-----|----|------|
| MA | 11 | 1968 |
| FKW | | |
| CMS | 4 | 1/2 |
| JER | | |
| DEF | 2 | |
| AL | | |
| VW | 3 | 1/2 |
| FIN | 1 | |
| GLC | 5 | |

Hunter Ranch

Mr. Frank Nelson
Freeport Sulphur Company
161 East 42nd Street
New York, New York 10017

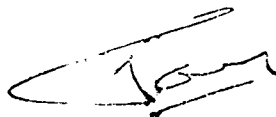
Dear Mr. Nelson:

I have added a few words on the two line as well as a brief summary to the other report I gave you.

I am still waiting for the field sheets to come back from the blueprinters, so I will hope to have the final report out by the end of the week.

I hope the weather is not too cool.

Sincerely,



Antony Ivan Smith
Regional Manager
Western Division

AIS/dla

Enclosure

GEOSCIENCE INCORPORATED

A SUPPLEMENTARY REPORT OF
THE INDUCED POLARIZATION SURVEY
AT BLACK ROCK, SAFFORD, ARIZONA

FREEPORT SULPHUR COMPANY

A

GEOSCIENCE

INCORPORATED

REPORT

Since the last preliminary report two additional lines have been completed. Namely lines D and E. Enclosed map shows field location of all lines.

LINE D.

This line utilized 500 foot dipole and a single 7 electrode setup.

The apparent resistivity profile display lower values than was found in other lines. This fact suggest some change between this line and line E. The overall appearance of the line shows relatively little contrast.

The PFE profile displays values in the order of +2%. A change is noted between dipoles 7 to 8 where the values increase to over 4%.

LINE E.

This line also utilized 500 foot dipole spacing and a single 7 electrode spread.

The apparent resistivity profile displays larger contrast in values than was found on line D. It would appear that a lower resistivity zone between position 1 to 3 (4) is bordered by higher resistivity zones.

The PFE profile displays a range in values from 2% to 4%. The higher values are noted between stations 6 to 7. The overall change in value appears quite small.

SUMMARY

It would appear that the major difference between lines D & E is the marked change in the resistivity profiles. Lower values appear on line D and the overall contrast is much less intense. These facts suggest that a contact might exist close to line D. It's exact location would be difficult to define due to the orientation of the lines.

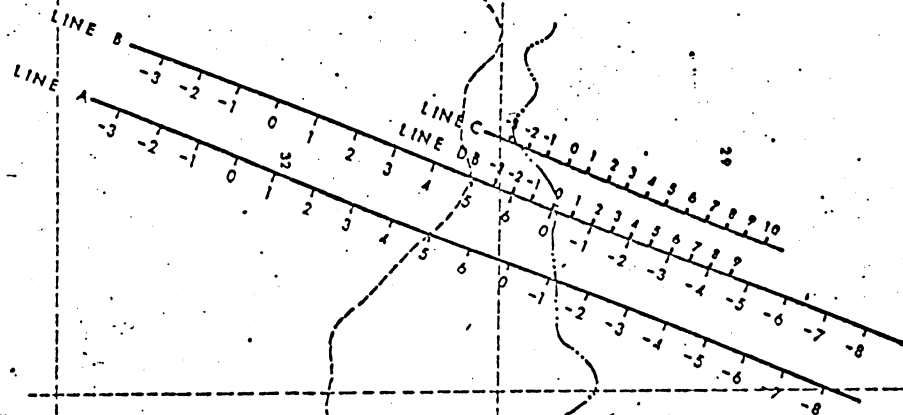
The most interesting feature in this survey to date is a very weak increase in PFE value which trends NNW to SSE through all the lines. The completion of an additional line between A and E would have clarified this point. Inclement weather though prevented the completion of this line.

Enclosed is a copy of the map with a rough outline of this zone. The final report will further define this zone in relationship to the whole area.

SCALE: 1"=1000'

155

GRANDE TRAIL



LINE E -2 -1 0 1 2 3 4 5 6 7 8 9 10

LINE D -2 -1 0 1 2 3 4 5 6 7 8 9 10

R21E

GEOSCIENCE INCORPORATED Induced Polarization Survey

Job No.: 316

Date: JANUARY 1963

Client: FREEPORT SULPHUR COMPANY

Line No.: A52C123

Location: BLACK ROCK

Revisions:

Sheet: 1 OF 1 Drafted by: KAL Approved: ALS

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002133
RECEIVED 2-21-68
REPORTED 2-22-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % ppm |
|------------------|--------------|----------------|-----------|-------------|-----------|--|------------------------|
| A- 12 | | | | | | | 10 |
| 13 | | | | | | | 15 |
| 14 | | | | | | | 10 |
| 15 | | | | | | | 15 |
| 16 | | | | | | | < 5 |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | 20 |
| 19 | | | | | | | < 5 |
| 20 | | | | | | | 20 |
| 21 (2' of hole) | | | | | | | 10 |

29 E. Evans
1st floor
3/25/68

CHARGE \$25.00

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

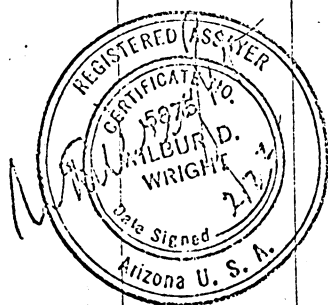
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE C02-294-5911

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002134
RECEIVED 2-21-68
REPORTED 2-22-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|-------------|-----------|-------------------|
| B- 1 | | | | | | < 5 |
| 2 | | | | | | < 5 |
| 3 | | | | | | < 5 |
| 4 | | | | | | < 5 |
| 5 | | | | | | N.D. |
| 6 | | | | | | 120 |
| 7 | | | | | | 30 |
| 8 | | | | | | < 5 |
| 9 | | | | | | 10 |
| 10 | | | | | | 10 |
| 11 | | | | | | 10 |
| 12 | | | | | | 20 |
| 13 | | | | | | 10 |
| 14 | | | | | | < 5 |
| 15 | | | | | | < 5 |
| 16 | | | | | | < 5 |
| 17 | | | | | | 10 |
| 18 | | | | | | 15 |
| 19 | | | | | | 10 |
| 20 | | | | | | 15 |
| 21 | | | | | | 20 |
| 22 | | | | | | 80 |



CHARGE \$ 55.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

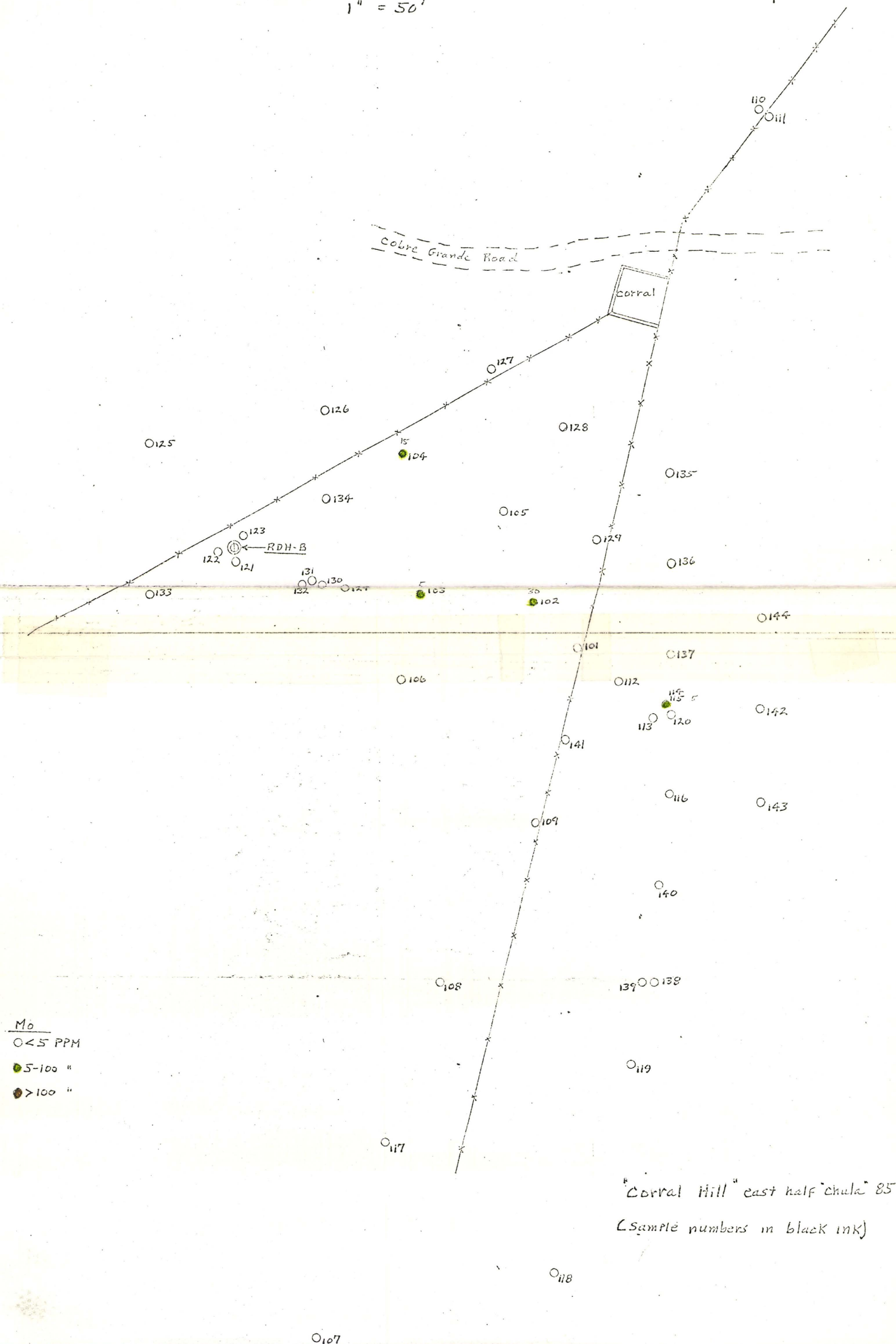
INVOICE

Rotary Drill-"B" area - Geochemical Sampling

Hinton Moly Prospect

1" = 50'

N



MAR 27 1966

Hinton Prospect - DDH - #3

| Sample # | Interval | | Mo ppm | Cu ppm |
|----------|----------|-----|--------|--------|
| | From | To | | |
| - DDH-3 | | | | |
| # | | | | |
| 1 | 20 | 25 | < 5 | 36 |
| 2 | 50 | 55 | 10 | 92 |
| 3 | 55 | 60 | < 5 | 152 |
| 4 | 60 | 65 | 5 | 132 |
| 5 | 65 | 70 | 20 | 140 |
| 6 | 70 | 75 | 260 | 188 |
| 7 | 75 | 80 | | 192 |
| 8 | 80 | 85 | < 5 | 172 |
| 9 | 125 | 130 | Nil | 48 |
| 10 | 165 | 170 | 55 | 44 |
| 11 | 170 | 175 | 70 | 32 |
| 12 | 175 | 180 | < 5 | 24 |
| 13 | 210 | 215 | < 5 | 24 |

FKW

CMG

JEB

DET

AL

BEK

BEK

GIC

Hinton Prospect - DDH-3

| <u>Sample No</u> | <u>Interval</u> | | <u>Mo ppm</u> | <u>Cu ppm</u> |
|------------------|-----------------|-----------|---------------|---------------|
| | <u>From</u> | <u>To</u> | | |
| DDH-3 | | | | |
| 34 | 385 | - 390 | 10 | 84 |
| 35 | 390 | - 395 | 45 | 48 |
| 36 | 435 | - 440 | 45 | 52 |
| 37 | 475 | - 480 | 30 | 40 |
| 38 | 490 | - 495 | 5 | 24 |
| 39 | 510 | - 515 | 45 | 16 |

Note:

| | | |
|-----------------|---------------------|---------------------|
| Sample # SW-40: | <u>Mo ppm</u> 85 | <u>Cu ppm</u> 80 |
|-----------------|---------------------|---------------------|

This is a surface chip-sample taken in the extreme south-west corner of claim Chula #40. The rock is a highly sheared, iron-oxide stained granite, with rare, minute specks of visible MoS_2 . The extent of this altered and stained rock is hard to determine, as it only outcrops in the floor of a gully where erosion has reached it.

Hinton Ranch Prospect

| Sample # | Interval | | Mo ppm | Cu ppm |
|----------|----------|-----|--------|--------|
| | From | To | | |
| 1-DDH-3 | | | | |
| 40 | 555 | 560 | < 5 | 480 |
| 41 | 625 | 630 | 5 | 44 |
| 42 | 655 | 660 | N.I | 36 |
| 43 | 700 | 705 | N.I | 28 |
| 44 | 725 | 730 | 30 | 48 |
| 45 | 755 | 760 | < 5 | 47 |
| 46 | 830 | 835 | < 5 | 40 |
| 47 | 890 | 900 | N.I | 20 |

(End of Hole - 900 feet.)

REPORT EXPLORATION COMPANY

- MoS₂
- FeS₂
- FeO

DIAMOND DRILL RECORD
SCALE 1" = 10'

DIRECTION _____ HOLE NO. DDP-1
INCLINATION Vertical PROPERTY Hunter Ranch, Inc.
STARTED Jan 24, 1968 LOCATION NE 1/4 Sec 32, T2N, R2E
COMPLETED Feb. 7, 1968 COLLAR COORD. N. _____ E. _____
DEPTH 41.9 feet COLLAR ELEV. 422.5
NOTES BY E. J. Nelson SHEET 1 OF 5

| ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|------------------|------------------|-----|---------|--------|--|--|
| MoS ₂ | FeS ₂ | FeO | | | | |
| | | | | | 0' | |
| 0.275 | | | 4.0 | | Very abund. MoS ₂ | "Granite Porphyry" - white to pink felds. phen. set in v. fine gndms.; rare biot. very abund. disseminated. MoS ₂ FeS ₂ . Felds. Fresh Glassy. |
| 40 | | | 8.0 | | Granite weathered | |
| 20 | | | 12.8 | | Rare speck FeS ₂ MoS ₂ | |
| | | | 21.7 | | | Biotite Granite - mainly equigran; grades loc. to porphyritic; mostly fresh, some minor silicif; rare to no FeS ₂ below 15'; few narrow aplitic dikes. |
| 5 | | | 26.5 | | | |
| | | | 46.8 | | | |
| 10 | | | 50.0 | | | |
| | | | 68.0 | | | |
| <5 | | | 72.7 | | | Aplitic dike, minor FeS ₂ |
| | | | | | | |

REPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-1
INCLINATION _____ PROPERTY Horton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 2 OF 5

| ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------|-----|--|--|---------|--------|--|--|
| Mo | PPH | | | | | 90' | |
| | | | | 92.2 | | | |
| <5 | | | | 94.6 | | | |
| <5 | | | | 99.2 | | | |
| Nil | | | | 109.2 | | | Egularan. Biotite Granite (as above) |
| <5 | | | | 116.0 | | strong shearing at contact | 112.0 |
| | | | | 134.8 | | | |
| 5 | | | | 144.8 | | V. ST. shearing - random many slicks and chlorite - serpentine seams; clots and schlieren of mafics; abund. red FeO | Porphyrific Biotite Granite - numerous large zoned K-Star Phens, pink to white, in matrix of fine to med. gr. felds + qtz.; v. wk. to rare FeS ₂ , WK FeSO ₄ ; |
| | | | | 166.0 | | | |
| Nil | | | | 172.4 | | shears less common than above. Felds. highly alt'd - hard white to chalky - clotted mafics (secondary biotite?) Some chlor. + serpentine | |

REPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. 101-1
INCLINATION _____ PROPERTY Winter
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 3 OF 5

| ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------|----|--|---------|----------|--|--|
| Mo | TM | | | | | |
| | | | | | 180' as above | |
| | | | 191.4 | | | |
| N.I. | | | 199.5 | | intense shearing; very fine close seams; cut indiv. min. grains; chlor and serp. v. abund.; mafics in schlieren; some flooding by pink K-spar. rare FeS ₂ | Porphyritic Biotite Granite (as above) |
| | | | 218.0 | | | |
| N.I. | | | 222.0 | | | |
| | | | 231.5 | | | |
| N.I. | | | 236.0 | | | |
| | | | 239.5 | NX BX | | |
| | | | | | Felds fresh glassy, biotite bright Tr. FeS ₂ | |
| | | | 257.0 | | | |
| 10 | | | 266.0 | | | |
| | | | | | v. intense shearing | |

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DBH-1
INCLINATION _____ PROPERTY Horton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 4 OF 5

| ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------|----|-----|--|---------|--------|--|--|
| | Mo | 111 | | | | 270' | |
| | | | | | | very intense shearing | Porphyritic Biotite Granite (as above) |
| | | | | | | Fresh to weakly clay-alt. felds. | |
| | 5 | | | 293.0 | | | |
| | | | | | | | |
| | | | | 304.7 | | | |
| | <5 | | | 312.1 | | Felds. gen. fresh; loc. chalky. Biot loc. chlor. Rare to trace FeSz. | |
| | | | | 332.2 | | | |
| | <5 | | | 346.0 | | | |
| | | | | | | locally strongly sheared | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____
INCLINATION Vertical
STARTED Jan 24, 1968
COMPLETED Feb 7, 1968
DEPTH 419 Feet
NOTES BY F.J. Nelson

HOLE NO. DDH-1
PROPERTY Hinton Prospect
LOCATION Graham Co., Arizona
COLLAR COORD. N. _____ E. _____
COLLAR ELEV. ± 4825
SHEET 5 OF 5

| REC'D | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-------|--------|-----|--|--|---------|--------|--|---|
| | Mo | PPM | | | | | | |
| | | | | | | | 360' | |
| | 5 | | | | | | Aplite dike | |
| | | | | | 367.0 | | Aplite dike | |
| | 25 | | | | | | Occas. rare speck MoS ₂ , Py | |
| | | | | | 377.0 | | | |
| | 25 | | | | | | Aplite dike | |
| | | | | | 382.0 | | | |
| | 10 | | | | | | Locally strongly sheared. Chlorite and serpentine abundant in sheared zones. Feldspars mainly hard white or chalky. | |
| | | | | | 392.0 | | | |
| | | | | | | | rare FeS ₂ No MoS ₂ visible | |
| | | | | | 412.0 | | | |
| | Nil | | | | | | | |
| | | | | | 419.0 | | | |
| | | | | | | | | End of hole - 419 Feet Feb. 7, 1968 F.J. Nelson |

FREEPORT EXPLORATION COMPANY

MoS₂
FeS₂
FeO

DIAMOND DRILL RECORD
SCALE 1" = 10'

DIRECTION _____
INCLINATION Vertical
STARTED Feb 7, 1968
COMPLETED Mar 4, 1968
DEPTH 863 feet
NOTES BY F.J. Nelson

HOLE NO. DDH-2
PROPERTY Hinton Prospect, Arizona
LOCATION NW 1/4 Chula 57
COLLAR COORD. N. _____ E. _____
COLLAR ELEV. ± 9175'
SHEET 1 OF 10

| RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|------|-----------|-----------|--|---------|--------|--|---|
| | Mo PPM | Cu PPM | | | | | |
| | 40 | | | 10.0 | | Strong FeO staining / v. minor Mo oxides (Chematite, Goethite) | "Porphyry" - Pink to white orth Phens. Set in matrix of sugary, fine-grained, Qtz and felds. Abund "clots" of greenish epidote and poss. Tourmaline. Dissent. FeS ₂ generally abundant. Rare, minute specks MoS ₂ . Biotite essentially absent. Patchy silicification - generally the feldspars are hard, white. (Calbitized?) |
| | 30 | | | 15.8 | | mottled patches FeO | |
| | <5 | | | 20.8 | | 5° aplite like | |
| | <5 | | | 28.7 | | abrupt contact, approx 70° to core axis. | "Biotite Granite" - medium grained, equigranular, abundant fresh black biotite books, interlocked quartz and orthoclase. Moderate to locally weak Fe ₂ O ₃ . Rare to trace FeS ₂ , except in a few scattered patches |
| | 10 | | | 36.0 | | | |
| | <5 | | | 45.3 | | | |
| | | | | 56.0 | | mod. abund. FeS ₂ | |
| | 10 | | | 75.0 | | Abundant steep fractures with specularite coated, slickensided faces. | |
| | | | | 88.0 | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 2 OF 10

| % RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------|--------|--------|--|---------|--------|---|--|
| | Mo PPM | Cu PPM | | | | | |
| | | | | | | 90' | |
| | | | | 93.0 | | Some smeared chlorite, Few thin shears | Very fine-grained, sugary, white; highly altered by clay and sericite; some granular quartz. Trace FeS ₂ |
| | 15 | | | 99.8 | | Very fine grained, "aplitic" | |
| | 60 | | | 102.8 | | Few small grains MoS ₂ Trace CuFeS ₂ | |
| | 15 | | | 113.2 | | weak MoS ₂ | |
| | 10 | | | 130.1 | | | "Biotite Granite" - variably textured. Generally medium grained euhedral. Grading into zones more porphyritic and locally to fine-grained, "aplitic" textures. MoS ₂ generally rare - locally mod. - in clusters of minute grains and rosettes. The MoS ₂ usually occurs in zones where the fresh black biotite is absent or considerably less abundant. Magnetite is very common and Pyrite erratic - from abundant to v. weak. Alteration is weak - mostly bleaching of biotite and some clay alt. of feldspars. |
| | 10 | | | 137.8 | | Strong, fine-grained MoS ₂ . Very strong FeS ₂ in large clots | |
| | | | | 153.0 | | many spec. coated shears | |
| | 50 | 72 | | 164.2 | | moderate MoS ₂ and FeS ₂ . | |
| | 10 | 44 | | 173.0 | | weak MoS ₂ | |
| | 20 | 48 | | | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 3 OF 10

| RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|------|-----------|-----------|--|---------|--------|---|-------------------|
| | Mo PPM | Cu PPM | | | | | |
| | 25 | 52 | | 184.9 | | 180' | |
| | | | | 184.9 | | | |
| | | | | 195.0 | | Aplite dike | |
| | | | | 195.0 | | | |
| | 30 | 44 | | 205.1 | | | |
| | | | | 205.1 | | | |
| | 56 | 40 | | 215.8 | | Mod MoS ₂ , Tr. CuFeS ₂ | |
| | | | | 215.8 | | | |
| | | | | | | Silicified zone | |
| | | | | | | Scattered discrete grains MoS ₂ | |
| | | | | 232.0 | | Silicified zone | |
| | | | | 232.0 | | | |
| | 48 | 10 | | 242.0 | | 6" Patch of almost Pure Pink orthoclase | |
| | | | | 242.0 | | | |
| | 52 | 70 | | 252.0 | | Few large grains MoS ₂ | |
| | | | | 252.0 | | | |

"Biotite Granite" (as above)

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 1 OF 10

| E RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-----------|-----------|-----------|--|---------|--------|--|---|
| | Mo PPM | Cu PPM | | | | 270' | |
| | | | | 272.0 | | - silicified zone | |
| | 53 | 10 | | 280.0 | | | |
| | | | | 297.5 | | | |
| | 10 | 32 | | 306.0 | | | "Biotite Granite" (as above) Essentially barren - no MoS ₂ , rare FeS ₂ . magnetite still common. |
| | | | | 324.1 | | Highly sheared zone, abundant chlorite, FeO | |
| | 5 | 28 | | 334.4 | | | |
| | | | | 351.0 | | Strong shears, specularite coated | |
| | | | | | | Fine-grained aplitic dike | Aplitic |
| | 20 | 40 | | | | | Texture obscured - mostly pinkish orthoclase + biotite |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hudon
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 5 OF 10

| % FeO | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------|-----------|-----------|--|---------|--------|--|---|
| | Mo PPM | Cu PPM | | | | | |
| | | | | 363.0 | | | "Biotite Granite" (as above) |
| | | | | | | Granodiorite with some biotite granite | 365' "Granodiorite" - fine grained; dark grey; abund. shreddy biotite; very little to no quartz. Feldspars appear to be mostly Plagioclase. Trace MoS ₂ , FeS ₂ . Few short intervals of biotite granite. |
| | 50 | 96 | | 373.0 | | | |
| | | | | 381.0 | | | |
| | 120 | 60 | | | | Few steep shears | |
| | | | | 387.5 | | | |
| | 150 | 64 | | | | | |
| | | | | 392.8 | | | |
| | 140 | 80 | | | | | |
| | | | | 398.0 | | | |
| | 110 | 64 | | | | | Biotite Granite - texture and composition as above. FeS ₂ moderately abundant, persistent. MoS ₂ finely disseminated and in local clusters of grains. This interval appears to have more quartz than above. Magnetite common. |
| | | | | 405.0 | | | |
| | 160 | 72 | | | | | Rock generally fresh - biotite bright black - feldspars glassy to locally weakly clay-sericite altered. Few minor patches of silicification. |
| | | | | 416.0 | | | |
| | 90 | 56 | | | | | |
| | | | | 426.0 | | | |
| | 140 | 68 | | | | | |
| | | | | 436.0 | | | |
| | 70 | 56 | | | | | |
| | | | | 448.0 | | | |
| | | | | | | | MoS ₂ decreases FeS ₂ increases somewhat |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 7 OF 10

| REC'D | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-------|-----------|-----------|--|---------|--------|--|---|
| | Pb PPH | Cu PPH | | | | | |
| | 10 | 72 | | 546.0 | | 540' | |
| | | | | 556.0 | | | |
| | 30 | 68 | | 566.0 | | V. st. chlorite + FeO | |
| | | | | 576.0 | | Strong Shearing. Abund. FeO stain + specularite Some chlorite | "Biotite Granite" (as above) Very rare to no MoS ₂ Very weak FeS ₂ , magnetite common |
| | 5 | 56 | | 586.0 | | | |
| | | | | 606.0 | | | |
| | Nil | 60 | | 616.0 | | | |
| | | | | | | | |

REEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hintex
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 8 OF 10

| RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|------|-----------|-----------|--|---------|--------|--------------|-------------------|
| | Fe PPM | Cu PPM | | | | | |
| | | | | | | 630' | |
| | | | | 631.7 | | | |
| | Nil | 56 | | | | | |
| | | | | 644.7 | | | |
| | | | | | | | |
| | | | | 662.0 | | | |
| | Nil | 52 | | | | | |
| | | | | 678.4 | | | |
| | | | | | | | |
| | | | | 687.0 | | | |
| | | | | | | | |
| | Nil | 84 | | | | | |
| | | | | 697.0 | | | |
| | | | | | | | |
| | | | | 710.0 | | | |
| | Nil | 68 | | | | | |

Biotite Granite (as above)
Fresh, barren, rare FeS₂, no MoS₂

COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
 INCLINATION _____ PROPERTY Hinton
 STARTED _____ LOCATION _____
 COMPLETED _____ COLLAR COORD. N. _____ E. _____
 DEPTH _____ COLLAR ELEV. _____
 NOTES BY _____ SHEET 9 OF 10

| No. | RECD | ASSAYS | | SECTION | E. COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-----|------|-----------|-----------|---------|-----------|--------------|-------------------|
| | | Mo PPM | Cu PPM | | | | |
| | | | | | | | |
| | | | | 735.0 | | | |
| | | Nil | 60 | 735.0 | | | |
| | | | | | | | |
| | | | | 745.0 | | | |
| | | Nil | 64 | 745.0 | | | |
| | | | | 775.0 | | | |
| | | | | | | | |
| | | | | 795.0 | | | |
| | | | | | | | |
| | | | | 801.0 | | | |

720'

Biotite Granite (as above)
Fresh, essentially barren
minor shears w. FeO stain

Few specks MoS₂

FREEPORT EXPLORATION
COMPANY

DIAMOND DRILL RECORD
SCALE 1" = 10'

DIRECTION Vertical HOLE NO. DDH-2
INCLINATION Vertical PROPERTY Hunter Prospect, Arizona
STARTED Feb. 7, 1965 LOCATION NW 1/4 Chula 51
COMPLETED Mar 4, 1965 COLLAR COORD. N. _____ E. _____
DEPTH 81.3 Feet COLLAR ELEV. ±4175'
NOTES BY F.J. Nelson SHEET 10 OF 10

| ASSAYS | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-----------|-----------|---------|--------|---|---|
| Mo PPM | Cu PPM | | | | |
| | | 816.0 | | minute specks MoS ₂ | <p>"Biotite Granite" Las above</p> <p>Fresh, essentially barren</p> |
| | | 826.0 | | | |
| | | 836.0 | | Few specks MoS ₂ weak FeS ₂ | |
| | | 846.0 | | | |
| | | 856.0 | | | |
| | | 863.0 | | | |
| | | | | <p>Bottom of hole - 863 Feet</p> <p>Mar. 4, 1968</p> <p>F.J. Nelson</p> | |

FREEPORT EXPLORATION COMPANY

DIRECTION Vertical
INCLINATION Vertical
STARTED 6 March, 1968
COMPLETED 11 April, 1968
DEPTH 900 feet
NOTES BY F. J. Nelson

HOLE NO. DDH-3
PROPERTY Hunter Moly. Prospect
LOCATION NW Corner Chula 57
COLLAR COORD. N. E.
COLLAR ELEV. ± 4150'
SHEET 1 OF 10

DIAMOND DRILL RECORD
SCALE 1" = 10'

| FEED % RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-------------------|-----------|------------|--|---------|--------|---|---|
| | Mo PPM | Cu. PPM | | | | | |
| | | | | 20 | | | |
| | 45 | 36 | | 25 | | | |
| | | | | | | Rare to no MoS ₂ V. wk FeS ₂ . Occas. shear zones w. Serpentine Felds. Gen. Fresh | Porphyritic Biotite Granite: some intervals more equigranular; texture variably, subtly changes from med. to fine to loc. coarse grained; Numerous large orth. Phens, commonly zoned; quartz 5-10%, abund. biotite, occas. hornblnd; few narrow dikes of aplite. |
| | | | | 50 | | | |
| | 10 | 92 | | 55 | | MoS Flakes visible | |
| | <5 | 152 | | 60 | | | |
| | 5 | 132 | | 65 | | | |
| | 20 | 140 | | 70 | | | |
| | 260 | 188 | | 75 | | Moderate MoS ₂ as Flakes rosettes and smears on minor Fract. Mod. FeS ₂ , tr CuFeS ₂ . | |
| | 390 | 192 | | 80 | | | |
| | 45 | 172 | | 85 | | | |

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-3
 INCLINATION _____ PROPERTY Hunter
 STARTED _____ LOCATION _____
 COMPLETED _____ COLLAR COORD. N. _____ E. _____
 DEPTH _____ COLLAR ELEV. _____
 NOTES BY _____ SHEET 3 OF 10

| FILE REC'D | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|---------------|-----------|-----------|--|---------|--------|--|--|
| | Mo PPM | Cu PPM | | | | | |
| | | | | | | | |
| | | | | 210 | | | |
| | 45 | 24 | | 215 | | Very rare specks MoS ₂ , FeS ₂ . Rock generally "fresh". | Porphyritic Biotite Granite (as above) |
| | | | | | | | |
| | | | | 255 | | | |
| | 50 | 40 | | 260 | | Moderate to locally v. st. shearing. Some silicification. Mafics commonly in smeared clots. MoS ₂ , FeS ₂ occurs in shears. | |

PORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE

DIRECTION _____ HOLE NO. 1271
INCLINATION _____ PROPERTY 1271
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 1 OF 10

| ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-----------|-----------|--|--|---------|--------|--------------|-------------------|
| Mo PPM | Cu PPM | | | | | 270' | |
| | | | | 280 | | | |
| 30 | 32 | | | 285 | | | |
| 35 | 24 | | | 290 | | | |
| 100 | 40 | | | 295 | | | |
| 20 | 24 | | | 300 | | | |
| 10 | 32 | | | 305 | | | |
| 5 | 33 | | | 310 | | | |
| 165 | 41 | | | 315 | | | |
| 35 | 34 | | | 320 | | | |
| 80 | 16 | | | 325 | | | |
| 5 | 25 | | | 330 | | | |
| 5 | 24 | | | 335 | | | |
| 10 | 30 | | | 340 | | | |
| 20 | 32 | | | 345 | | | |
| 100 | 20 | | | 350 | | | |
| 50 | 40 | | | 355 | | | |
| 15 | 32 | | | 360 | | | |

Weak to loc. mod.
MoS₂ as dissem. flakes,
rosettes and streaks
on sheared fractures.
Some CuFeS₂ as
erratic grains. Abund
FeS₂. Rock mostly
sheared highly alt.
abund chlorite and
ser. fine Feldspars
alay alt. - some patchy
silicification - mafics
in "schlieren".

Porphyritic Biotite Granite (as above)

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-3
 INCLINATION _____ PROPERTY Hinton
 STARTED _____ LOCATION _____
 COMPLETED _____ COLLAR COORD. N. _____ E. _____
 DEPTH _____ COLLAR ELEV. _____
 NOTES BY _____ SHEET 5 OF 10

| RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|------|-----------|-----------|--|---------|--------|---|--|
| | Mo PPM | Cu PPM | | | | | |
| | 30 | 16 | | 365 | | Strongly sheared (as above) | |
| | 30 | 32 | | 370 | | | |
| | 10 | 34 | | 375 | | | |
| | | | | 385 | | | |
| | 10 | 84 | | 390 | | | |
| | 45 | 48 | | 395 | | Generally sound Felds Fresh, biotite chloritized. V. wk FeS ₂ , no visible MoS ₂ | Porphyritic Biotite Granite (as above) |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | 435 | | | |
| | 45 | 52 | | 440 | | | |
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FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DM113
INCLINATION _____ PROPERTY Hutton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY F. J. Nelson SHEET 6 OF 10

| FE RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|------------|-----------|-----------|--|--|---------|--------|---|--|
| | Mo PPM | Cu PPM | | | | | | |
| | | | | | | | 450' | |
| | | | | | | | Generally sound (as above) Rare specks MoS ₂ , FeS ₂ . | Porphyritic Biotite Granite (as above) |
| | | | | | 475 | | | |
| | 30 | 40 | | | 480 | | | |
| | | | | | | | | |
| | | | | | 490 | | | |
| | 5 | 24 | | | 495 | | Intense shearing | |
| | | | | | | | | |
| | | | | | | | | Obscured by intense alteration. Texture and composition masked by feldspathization, Kaolin and sericite. white to pink color |
| | | | | | 510 | | | |
| | <5 | 16 | | | 515 | | | |
| | | | | | | | Moderate shearing Rare FeS ₂ ; felds mostly "fresh" | Mainly equigranular biotite Granite Some porphyritic intervals. |

REPORT EXPLORATION
COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. 1017-3
INCLINATION _____ PROPERTY ELIOT
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 7 OF 10

[illegible]

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-3
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 8 OF 10

[illegible]

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-3
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 9 OF 10

| % RECD | ASSAYS | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------|--------|--------|---------|--------|--|---|
| | Mo PPM | Cu PPM | | | | |
| | | | | | 720 | |
| | | | 725 | | Strong clay-serv. alt. No MoS ₂ ; rare FeS ₂ . | Biotite Granite - equigranular and Porphyritic (as above) |
| | 30 | 48 | 730 | | | |
| | | | | | "Fresh" feldspars and bright black biotite st. magnetite. | Dike of "dacite Porphyry"; fresh; abund. Fe3O4 |
| | | | 755 | | | |
| | 45 | 47 | 760 | | | |
| | | | | | Generally fresh, mafics in clots (secondary?). Few minor sheared zones. Rare MoS ₂ , FeS ₂ . | Porphyritic Biotite Granite (as above) |

FREEPORT EXPLORATION
COMPANY

DIAMOND DRILL RECORD
SCALE 1" = 10'

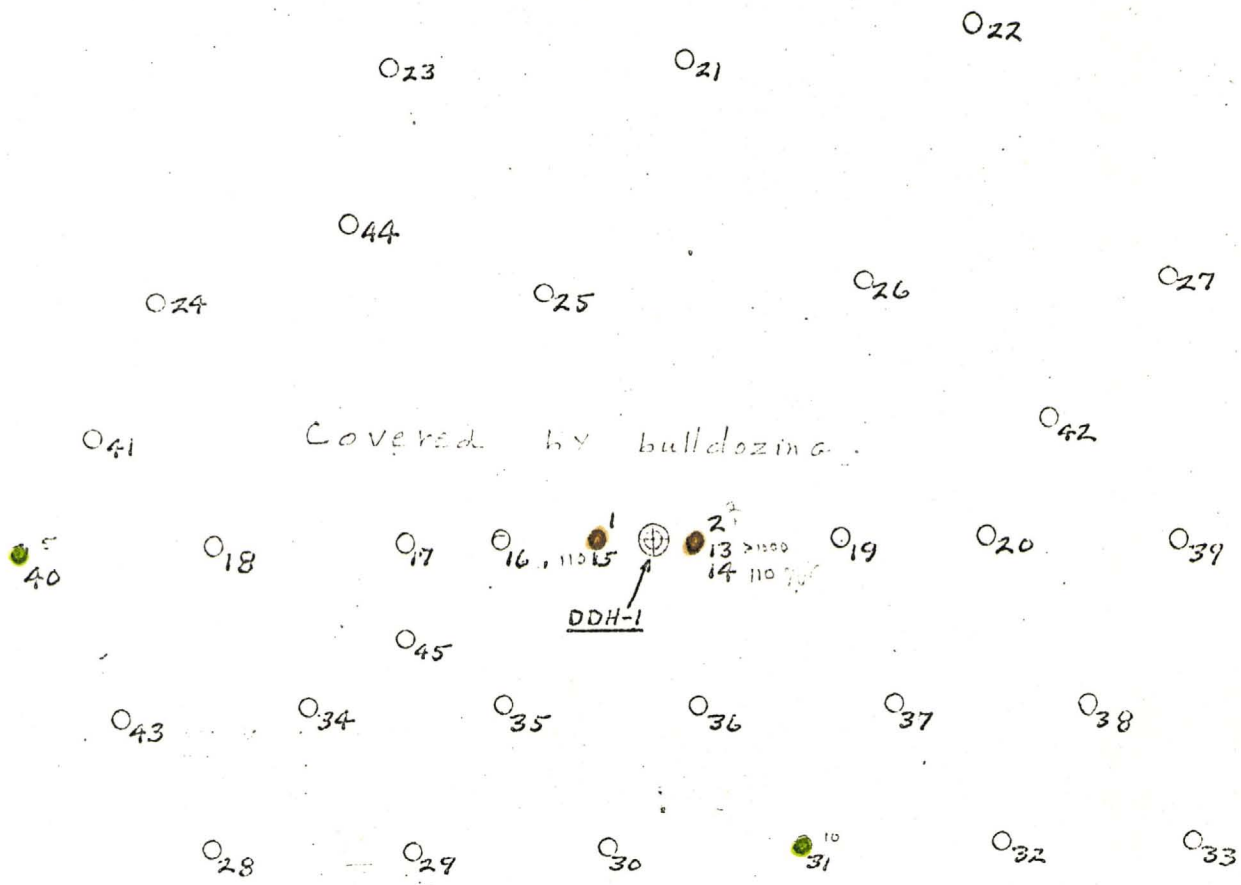
DIRECTION _____ HOLE NO. DDH-3
INCLINATION Vertical PROPERTY Hinton Ranch
STARTED 6 Mar. '68 LOCATION 11 W. Cor Chula 57
COMPLETED 11 Apr. '68 COLLAR COORD. N. _____ E. _____
DEPTH 900 f' COLLAR ELEV. ± 4150'
NOTES BY F. J. Nelson SHEET 10 OF 10

[illegible]

FEB 20 1968

Diamond Drill Hole #1 area - Geochemical Sampling
 Clinton Moly Prospect
 Scale 1" = 20'

~~CHS~~
~~DEB~~
~~GLC~~
 Copied for
 C.F.

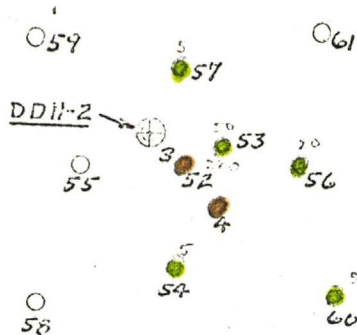
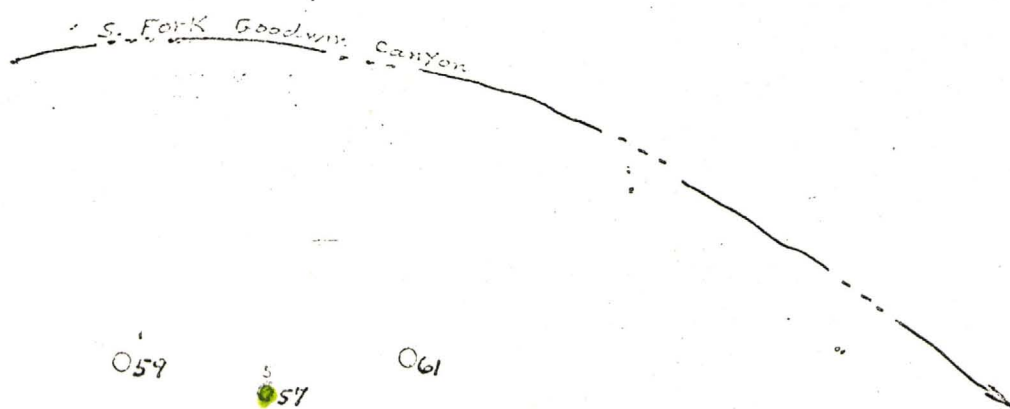
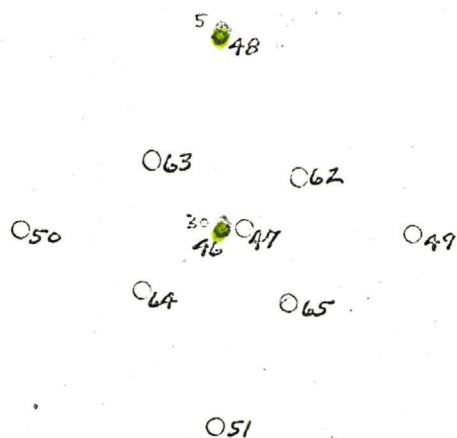


Mo
 0 < 5 PPM
 ● 5-100 "
 ● > 100 "

"Discovery Knoll"

(Sample numbers in black ink)

Diamond Drill Hole #2 area — Geochemical Sampling
 Hinton Moly Prospect
 Scale 1" = 50'



Mo
 < 5 PPM
 ● 5-100 "
 ● > 100 "

South Fork Goodwin Canyon
 N.W. corner "Chula" #59
 (Sample Numbers in black ink)

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

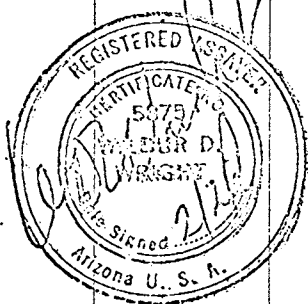
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002145
RECEIVED 2-23-68
REPORTED 2-26-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| C- 1 | | | | | | | 10 |
| 2 | | | | | | | 5 |
| 3 | | | | | | | 5 |
| 4 | | | | | | | 5 |
| 5 | | | | | | | < 5 |
| 6 | | | | | | | < 5 |
| 7 | | | | | | | 10 |



L E F
Horton
2/25/68

CHARGE \$ 17.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company

JOB # 002154
RECEIVED 2-25-68
REPORTED 2-25-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM PPM |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-------------------|
| C - 8 | | | | | | | 10 |
| 9 | | | | | | | 20 |
| 10 | | | | | | | 30 |
| 11 | | | | | | | 25 |
| 12 | | | | | | | 15 |
| 13 | | | | | | | 5 |
| 14 | | | | | | | 5 |
| 15 | | | | | | | < 5 |
| 16 | | | | | | | < 5 |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | 15 |
| 19 | | | | | | | 10 |
| 20 | | | | | | | < 5 |
| 21 | | | | | | | < 5 |
| 22 | | | | | | | < 5 |

[Handwritten Signature]
Hester
3/25/68

CHARGE \$ 37.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

Rotary Drill Hole "C" — Hinton Ranch

| <u>Sample No.</u> | <u>Interval</u> | <u>Mo ppm</u> |
|-------------------|-----------------|---------------|
| C-1 | 0 - 5 feet | 10 |
| C-2 | 5 - 10 | 5 |
| C-3 | 10 - 15 | 5 |
| C-4 | 15 - 20 | 5 |
| C-5 | 20 - 25 | <5 |
| C-6 | 25 - 30 | <5 |
| C-7 | 30 - 35 | 10 |
| C-8 | 35 - 40 | 10 |
| C-9 | 40 - 45 | 20 |
| C-10 | 45 - 50 | 30 |
| C-11 | 50 - 55 | 25 |
| C-12 | 55 - 60 | 15 |
| C-13 | 60 - 65 | 5 |
| C-14 | 65 - 70 | 5 |
| C-15 | 70 - 75 | <5 |
| C-16 | 75 - 80 | <5 |
| C-17 | 80 - 85 | <5 |
| C-18 | 85 - 90 | 15 |
| C-19 | 90 - 95 | 10 |
| C-20 | 95 - 100 | <5 |
| C-21 | 100 - 105 | <5 |
| C-22 | 105 - 110 | <5 |

This hole was bottomed at 110 feet, and validated:
Chula #11

12

34

35

36

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 578

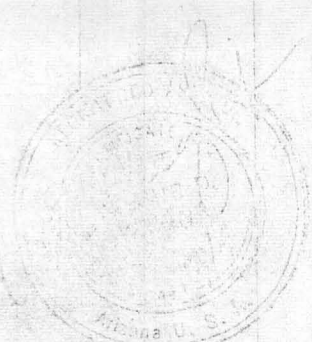
P.O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-2545811

Freeport Exploration Company

002192
RECEIVED 3-5-68
REPORTED 3-8-68

| SAMPLE NUMBER | GOLD OZ. | SILVER OZ. | COPPER % | IRON % | ZINC % | NICKEL % | MOLYBDENUM % |
|------------------|-------------|---------------|-------------|-----------|-----------|-------------|-----------------|
| D-1 | | | | | | | N.D. |
| 2 | | | | | | | 5 |
| 3 | | | | | | | 5 |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |



Handwritten signature and date:
1/25/68

CHARGE \$ 32.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

Rotary Drill Hole "D" - Hinton Ranch

| Sample No. | Interval | Mo ppm |
|------------|-----------|--------|
| D-1 | 0-5' feet | Nil |
| D-2 | 10 | 5 |
| D-3 | 15 | 5 |
| D-4 | 20 | 5 |
| D-5 | 25 | Nil |
| D-6 | 30 | Nil |
| D-7 | 35 | Nil |
| D-8 | 40 | Nil |
| D-9 | 45 | Nil |
| D-10 | 50 | Nil |
| D-11 | 55 | Nil |
| D-12 | 60 | Nil |
| D-13 | 65 | Nil |
| D-14 | 70 | Nil |
| D-15 | 75 | Nil |
| D-16 | 80 | Nil |

This hole bottomed at 81 feet - had to be abandoned at this depth due to caving.

This hole validates: Chula # 7

8

9

10

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

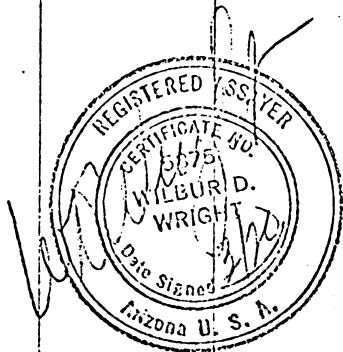
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
Route 2 Box # 731 West
Tucson, Arizona

JOB # 002241
RECEIVED 3-15-68
REPORTED 3-20-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| E- 1 | | | | | | | N., D. |
| 2 | | | | | | | N. D. |
| 3 | | | | | | | N. D. |
| 4 | | | | | | | N. D. |
| 5 | | | | | | | N. D. |
| 6 | | | | | | | N. D. |
| 7 | | | | | | | N. D. |
| 8 | | | | | | | N. D. |
| 9 | | | | | | | N. D. |
| 10 | | | | | | | N. D. |
| 11 | | | | | | | N. D. |
| 12 | | | | | | | N. D. |
| 13 | | | | | | | N. D. |
| 14 | | | | | | | N. D. |
| 15 | | | | | | | N. D. |
| 16 | | | | | | | N. D. |
| 17 | | | | | | | N. D. |
| 18 | | | | | | | N. D. |
| 19 | | | | | | | N. D. |
| 20 | | | | | | | N. D. |
| 21 | | | | | | | N. D. |
| 22 | | | | | | | N. D. |
| 23 | | | | | | | N. D. |
| 24 | | | | | | | N. D. |
| 25 | | | | | | | N. D. |
| 26 | | | | | | | N. D. |
| 27 | | | | | | | N. D. |
| 28 | | | | | | | N. D. |



*OK Gold Flint
(Charge Kirtland)
3 22.00*

CHARGE \$ 70.00

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

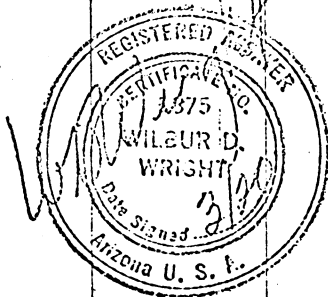
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Route 2 Box # 731 West
Tucson, Arizona

JOB # 002242
RECEIVED 3-15-68
REPORTED 3-20-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|-----------------|
| F-1 | | | | | | N.D. |
| 2 | | | | | | N.D. |
| 3 | | | | | | N.D. |
| 4 | | | | | | N.D. |
| 5 | | | | | | N.D. |
| 6 | | | | | | N.D. |
| 7 | | | | | | N.D. |
| 8 | | | | | | < 5 |
| 9 | | | | | | < 5 |
| 10 | | | | | | < 5 |
| 11 | | | | | | N.D. |
| 12 | | | | | | < 5 |
| 13 | | | | | | < 5 |
| 14 | | | | | | < 5 |
| 15 | | | | | | < 5 |
| 16 | | | | | | < 5 |
| 17 | | | | | | N.D. |
| 18 | | | | | | < 5 |
| 19 | | | | | | < 5 |
| 20 | | | | | | N.D. |
| 21 | | | | | | N.D. |
| 22 | | | | | | N.D. |
| 23 | | | | | | N.D. |
| 24 | | | | | | N.D. |
| 25 | | | | | | N.D. |
| 26 | | | | | | N.D. |



OK J. L. Flint
(Houston)
3-27-68

CHARGE \$ 65.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE C02-294-5811

Freeport Exploration Company
Route 2 Box # 731 West
Tucson, Arizona

JOB# 002243
RECEIVED 3-15-68
REPORTED 3-20-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| G- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | < 5 |
| 19 | | | | | | | 15 |
| 20 | | | | | | | 10 |
| 21 | | | | | | | < 5 |
| 22 | | | | | | | 10 |
| 23 | | | | | | | 15 |
| 24 | | | | | | | < 5 |
| 25 | | | | | | | N.D. |
| 26 | | | | | | | N.D. |
| 27 | | | | | | | N.D. |
| 28 | | | | | | | N.D. |
| 29 | | | | | | | < 5 |
| 30 | | | | | | | < 5 |
| 31 | | | | | | | < 5 |

*OK D. L. Hart
(Horton)*

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

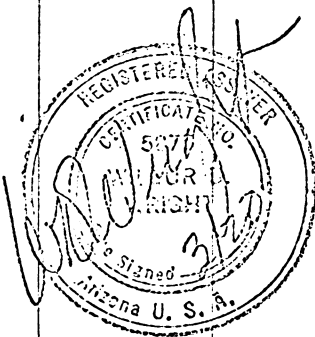
Freeport Exploration Company

JOB # 002243 Continued

RECEIVED _____

REPORTED _____

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| G-32 | | | | | | | 10 |
| 33 | | | | | | | N.D. |
| 34 | | | | | | | < 5 |
| 35 | | | | | | | < 5 |
| 36 | | | | | | | 5 |
| 37 | | | | | | | 5 |
| 38 | | | | | | | 15 |
| 39 | | | | | | | 20 |
| 40 | | | | | | | 20 |



CHARGE \$100.00

OK *John Hunt*
(Kinton)
3-27-68

INVOICE

| | | |
|-------------|---|----|
| MAR 27 1968 | | |
| FKW | | |
| CHS | T | 0 |
| JED | | |
| DET | 2 | |
| AL | | |
| WIK | 5 | |
| BEK | 4 | |
| STC | 4 | ny |
| GLC | 5 | |

Rotary holes - E, F, G:

All samples on 5-foot intervals,
at 0-5 feet.

These holes for location validation only.

"E" validates: Chula # 21, 22, 23, 24, 25, 26

"F" validates: Chula # 18, 19, 20, 27, 28, 29

"G" validates: Chula # 14, 15, 16, 17, 30, 31, 32, 33, 34

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 4 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

BEK
DEF

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002268

RECEIVED 3-23-68

REPORTED 3-29-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| H- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |
| 21 | | | | | | | N.D. |
| 22 | | | | | | | N.D. |
| 23 | | | | | | | N.D. |
| 24 | | | | | | | N.D. |
| 25 | | | | | | | N.D. |
| 26 | | | | | | | N.D. |
| 27 | | | | | | | N.D. |
| 28 | | | | | | | N.D. |
| 29 | | | | | | | N.D. |
| 30 | | | | | | | N.D. |
| 31 | | | | | | | N.D. |

CHARGE

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

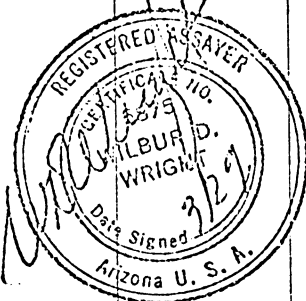
Freeport Exploration Comapny

JOB # 002258 Continued

RECEIVED _____

REPORTED _____

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| H- 32 | | | | | | | N.D. |
| 33 | | | | | | | N.D. |
| 34 | | | | | | | N.D. |
| 35 | | | | | | | N.D. |
| 36 | | | | | | | N.D. |
| 37 | | | | | | | N.D. |
| 38 | | | | | | | N.D. |
| 39 | | | | | | | N.D. |
| 40 | | | | | | | N.D. |



*OK - Livingston
Charge Hamilton Mining
4-4-68*

CHARGE \$ 100.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 4 1968

CHS
BEK
DEE

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 Northf Soldiers Trail
Tucson, Arizona

JOB # 002269
RECEIVED 3-23-68
REPORTED 3-29-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|-----------------|
| I- 1 | | | | | | N.D. |
| 2 | | | | | | N.D. |
| 3 | | | | | | N.D. |
| 4 | | | | | | N.D. |
| 5 | | | | | | N.D. |
| 6 | | | | | | N.D. |
| 7 | | | | | | N.D. |
| 8 | | | | | | N.D. |
| 9 | | | | | | N.D. |
| 10 | | | | | | N.D. |
| 11 | | | | | | N.D. |
| 12 | | | | | | N.D. |
| 13 | | | | | | N.D. |
| 14 | | | | | | N.D. |
| 15 | | | | | | N.D. |
| 16 | | | | | | 5 |
| 17 | | | | | | 5 |
| 18 | | | | | | 10 |
| 19 | | | | | | 5 |
| 20 | | | | | | 5 |
| 21 | | | | | | N.D. |
| 22 | | | | | | N.D. |
| 23 | | | | | | N.D. |
| 24 | | | | | | N.D. |
| 25 | | | | | | N.D. |
| 26 | | | | | | N.D. |
| 27 | | | | | | N.D. |
| 28 | | | | | | N.D. |
| 29 | | | | | | N.D. |
| 30 | | | | | | N.D. |
| 31 | | | | | | N.D. |

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

APR 4 1968

~~CMS~~
BEK
DEF

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002270
RECEIVED 3-23-68
REPORTED 3-29-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|-----------------|
| J- 1 | | | | | | N.D. |
| 2 | | | | | | N.D. |
| 3 | | | | | | N.D. |
| 4 | | | | | | N.D. |
| 5 | | | | | | N.D. |
| 6 | | | | | | N.D. |
| 7 | | | | | | N.D. |
| 8 | | | | | | N.D. |
| 9 | | | | | | N.D. |
| 10 | | | | | | N.D. |
| 11 | | | | | | N.D. |
| 12 | | | | | | N.D. |
| 13 | | | | | | N.D. |
| 14 | | | | | | N.D. |
| 15 | | | | | | N.D. |
| 16 | | | | | | N.D. |
| 17 | | | | | | N.D. |
| 18 | | | | | | N.D. |
| 19 | | | | | | N.D. |
| 20 | | | | | | N.D. |
| 21 | | | | | | N.D. |
| 22 | | | | | | N.D. |
| 23 | | | | | | N.D. |
| 24 | | | | | | N.D. |
| 25 | | | | | | N.D. |
| 26 | | | | | | N.D. |
| 27 | | | | | | 85 |
| 28 | | | | | | 5 |
| 29 | | | | | | <5 |
| 30 | | | | | | 5 |
| 31 | | | | | | 330 |

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

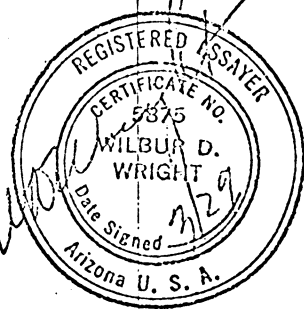
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company

JOB# 002270 Continued
RECEIVED 3-23-68
REPORTED

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| J- 32 | | | | | | | 110 |
| 33 | | | | | | | 115 |
| 34 | | | | | | | 30 |
| 35 | | | | | | | 5 |
| 36 | | | | | | | 30 |
| 37 | | | | | | | 5 |
| 38 | | | | | | | 5 |
| 39 | | | | | | | 35 |
| 40 | | | | | | | <5 |



*OK - Check
Charge Unit
4-4-68*

CHARGE \$ 100.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 4 1968

CIT
BEK

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002271
RECEIVED 3-23-68
REPORTED 3-29-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| K- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |
| 21 | | | | | | | N.D. |
| 22 | | | | | | | N.D. |



OK. Ch. Durazo
Chas. Wright
4-4-68

CHARGE \$ 55.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

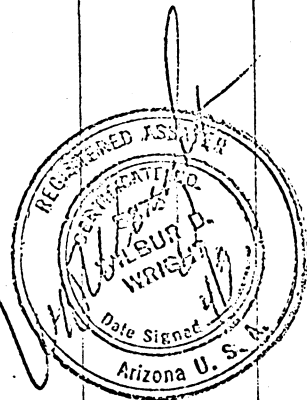
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002314
RECEIVED 4-1-68
REPORTED 4-3-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| L- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |



*OK for Payment
Charged to Mr. J. J. [unclear]
4-1-68*

CHARGE \$ 50.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

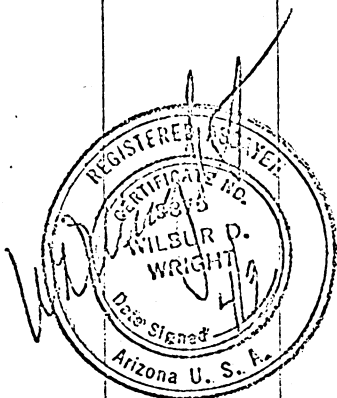
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002315
RECEIVED 4-1-68
REPORTED 4-3-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| N 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |
| 21 | | | | | | | N.D. |
| 22 | | | | | | | N.D. |
| 23 | | | | | | | N.D. |
| 24 | | | | | | | N.D. |
| 25 | | | | | | | N.D. |
| 26 | | | | | | | N.D. |



*Chlorine peroxide
Chlorine dioxide
Oxidation 4-9-68*

CHARGE \$ 55.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 Northf Soldiers Trail
Route 2 Box # 731 West, Tucson, Arizona

JOB # 002316
RECEIVED 4-2-68
REPORTED 4-4-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | SELENIUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|---------------|
| N- 1 | | | | | | N.D. |
| 2 | | | | | | N.D. |
| 3 | | | | | | N.D. |
| 4 | | | | | | N.D. |
| 5 | | | | | | <5 |
| 6 | | | | | | <5 |
| 7 | | | | | | 5 |
| 8 | | | | | | <5 |
| 9 | | | | | | <5 |
| 10 | | | | | | <5 |
| 11 | | | | | | N.D. |
| 12 | | | | | | N.D. |
| 13 | | | | | | N.D. |
| 14 | | | | | | N.D. |
| 15 | | | | | | N.D. |
| 16 | | | | | | N.D. |
| 17 | | | | | | N.D. |
| 18 | | | | | | 5 |
| 19 | | | | | | N.D. |
| 20 | | | | | | N.D. |
| 21 | | | | | | N.D. |
| 22 | | | | | | N.D. |
| 23 | | | | | | N.D. |
| 24 | | | | | | N.D. |
| 25 | | | | | | N.D. |
| 26 | | | | | | 20 |
| 27 | | | | | | 35 |
| 28 | | | | | | 5 |
| 29 | | | | | | 10 |
| 30 | | | | | | 25 |

[Handwritten signature and circular stamp]
U.S. DEPT. OF COMMERCE
BUREAU OF MINES
TUCSON, ARIZONA

CHARGE 75.00

* Gold and Silver reported in Troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 9 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

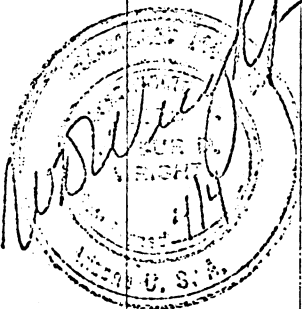
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002317
RECEIVED 4-2-68
REPORTED 4-4-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| 0- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |



*OK for payment
Change to 1000 Tons
Consolidation 4-11-68*

CHARGE \$ 20.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

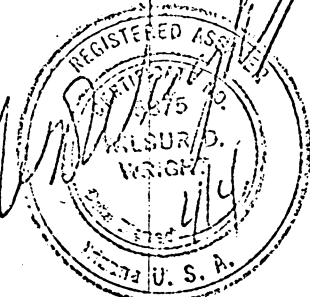
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002326
RECEIVED 4-2-68
REPORTED 4-4-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DH 1-1-1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | < 5 |
| 16 | | | | | | | < 5 |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | < 5 |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |


*copy prepared by
Chase Winston
4-4-68*

CHARGE \$ 50.00

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

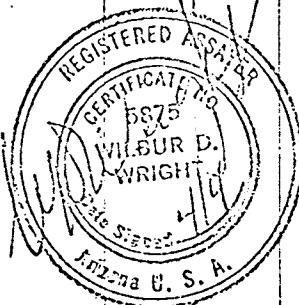
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002327
RECEIVED 4-2-68
REPORTED 4-4-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DH: 1-2- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | 30 |
| 13 | | | | | | | 10 |
| 14 | | | | | | | 5 |
| 15 | | | | | | | < 5 |
| 16 | | | | | | | 45 |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | < 5 |
| 19 | | | | | | | < 5 |
| 20 | | | | | | | < 5 |



CHARGE \$ 50.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

ELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

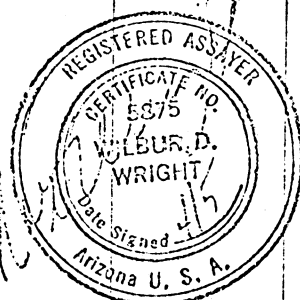
P. O. BOX 757
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002328
RECEIVED 4-1-68
REPORTED 4-5-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| 1-3- 1 | | | | | | | N.D.G. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |



*Release All for
Analysis
Approved
WRIGHT
PAID 5/1/68*

CHARGE \$ 47.50

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc. *PEI FILE 10-1958* *etc ME File*

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

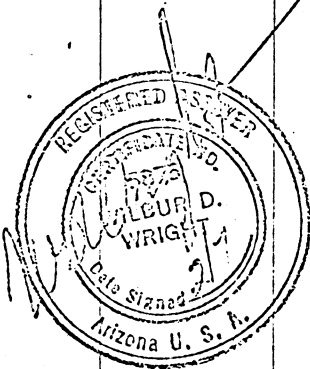
Freeport Exploration
4249 North Soldiers Trail
Rt.# 2 Box 731 W, Tucson, Arizona

Hinton Ranch

JOB # 002053
RECEIVED 2-6-68
REPORTED 2-7-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|-----------------|
| DDH-DDH-1 | | | | | | |
| # 1 | | | | | | 0.275 % |
| 2 | | | | | | 40 ppm |
| 3 | | | | | | 20 ppm |
| 4 | | | | | | 5 ppm |
| 5 | | | | | | 10 ppm |
| 6 | | | | | | < 5 ppm |
| 7 | | | | | | < 5 ppm |
| 8 | | | | | | < 5 ppm |
| 9 | | | | | | N.D. |
| 10 | | | | | | < 5 ppm |
| 11 | | | | | | 5 ppm |
| 12 | | | | | | N.D. |
| 13 | | | | | | N.D. |
| 14 | | | | | | N.D. |
| 15 | | | | | | N.D. |

Limits of detectability is about 2.5 ppm. If N.D.
is reported it is below this level. < 5 ppm indicated
the presence of some Mo. but not enough to semi-quantitate.



SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration
Mr. Frank Nelson
4249 N. Soldiers Trail Rt # 2 Box 731 W
Tucson, Arizona

JOB # 002078
RECEIVED 2-8-68
REPORTED 2-11-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM PPM |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-------------------|
| DH-DDH-1 | | | | | | | |
| # 16 | | | | | | | 10 |
| 17 | | | | | | | 5 |
| 18 | | | | | | | <5 |
| 19 | | | | | | | <5 |
| 20 | | | | | | | 5 |
| 21 | | | | | | | <5 |
| 22 | | | | | | | <5 |
| 23 | | | | | | | 10 |
| 24 | | | | | | | N.D. |
| A- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | <5 |
| 8 | | | | | | | <5 |
| 9 | | | | | | | <5 |
| 10 | | | | | | | <5 |
| 11 | | | | | | | 15 |



CHARGE \$ 50.00

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

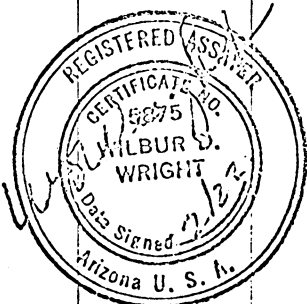
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5911

Freeport Exploration Company
4249 North Soldfies Trail
Tucson, Arizona

JOB # 002132
RECEIVED 2-21-68
REPORTED 2-22-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-------------------|
| DH-DDH 2: | | | | | | | |
| # 1 | | | | | | | 40 |
| 2 | | | | | | | 30 |
| 3 | | | | | | | < 5 |
| 4 | | | | | | | < 5 |
| 5 | | | | | | | 10 |
| 6 | | | | | | | < 5 |
| 7 | | | | | | | 10 |
| 8 | | | | | | | 15 |
| 9 | | | | | | | 60 |
| 10 | | | | | | | 15 |
| 11 | | | | | | | 10 |
| 12 | | | | | | | 10 |



Handwritten signature: O. J. Flint
Handwritten signature: Kenton
Handwritten date: 2/25/68

CHARGE \$ 30.00

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
W.L. WRIGHT
ARIZONA REG. NO. 5675

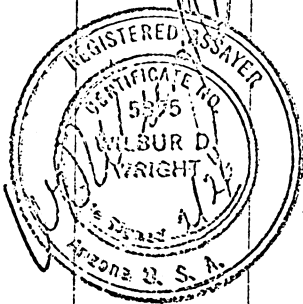
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4140 North Soldiers Trail
Tucson, Arizona

JOB# 002146
RECEIVED 2-23-68
REPORTED 2-26-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DH-DDH-2 | | | | | | | |
| # 13 | | | | 72 | | | 50 |
| 14 | | | | 44 | | | 10 |
| 15 | | | | 48 | | | 20 |
| 16 | | | | 52 | | | 25 |
| 17 | | | | 44 | | | 30 |
| 18 | | | | 56 | | | 40 |
| 19 | | | | 48 | | | 10 |
| 20 | | | | 52 | | | 70 |
| 21 | | | | 53 | | | 10 |



OK Depledge
Horton
2/25/68

\$ 31.50

CHARGE

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

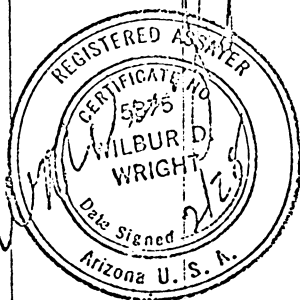
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002153
RECEIVED 2-25-68
REPORTED 2-28-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|-------------------|
| DH-DDH-2: | | | | | | |
| # 22 | | | | 32 | | 10 |
| 23 | | | | 28 | | 5 |
| 24 | | | | 40 | | 20 |
| 25 | | | | 96 | | 50 |
| 26 | | | | 60 | | 120 |
| 27 | | | | 64 | | 150 |
| 28 | | | | 80 | | 140 |
| 29 | | | | 64 | | 110 |
| 30 | | | | 72 | | 160 |
| 31 | | | | 56 | | 90 |
| 32 | | | | 68 | | 140 |
| 33 | | | | 56 | | 70 |
| 34 | | | | 40 | | 10 |
| 35 | | | | 40 | | 15 |



OK 297
Hunter
3/25/68

CHARGE \$ 49.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL. WRIGHT
ARIZONA REG. NO. 5875

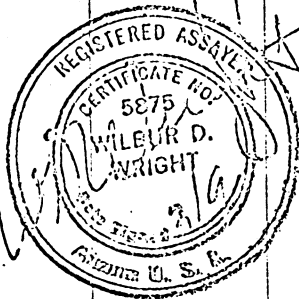
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Mister Frank Nelson
Freeport Exploration Company
Route 2 Box # 731 West Tucson, Arizona

JOB # 002191
RECEIVED 3-5-68
REPORTED 3-8-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DH-DDH-2 | | | | | | | |
| # 36 | | | | 120 | | | N.D. |
| 37 | | | | 68 | | | N.D. |
| 38 | | | | 72 | | | 20 |
| 39 | | | | 60 | | | 25 |
| 40 | | | | 72 | | | 10 |
| 41 | | | | 68 | | | 30 |
| 42 | | | | 56 | | | 5 |
| 43 | | | | 60 | | | N.D. |
| 44 | | | | 56 | | | N.D. |
| 45 | | | | 52 | | | N.D. |
| 46 | | | | 84 | | | N.D. |
| 47 | | | | 67 | | | N.D. |
| 48 | | | | 60 | | | N.D. |
| 49 | | | | 56 | | | N.D. |



Handwritten signature and date:
3/25/68

CHARGE \$ 56.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
Route 2 Box # 731 West
Tucson, Arizona

JOB # 002201
RECEIVED 3-7-63
REPORTED 3-11-63

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DH-DDH-2: | | | | | | | |
| # 50 | | | | 56 | | | 10 |
| 51 | | | | 44 | | | 15 |
| 52 | | | | 60 | | | 10 |
| 53 | | | | 52 | | | 10 |

Hinton Prospect - DDH #2

| Sample No. | Interval | | Mo ppm | Cu ppm |
|------------|----------|-------|--------|--------|
| | From | To | | |
| -DDH-2 #1 | 0.0 | 10.0 | 40 | |
| 2 | 10.0 | 15.8 | 30 | |
| 3 | 15.8 | 20.8 | 45 | |
| 4 | 20.8 | 28.7 | 45 | |
| 5 | 28.7 | 36.0 | 10 | |
| 6 | 36.0 | 45.3 | 45 | |
| 7 | 45.3 | 75.0 | 10 | |
| 8 | 75.0 | 99.8 | 15 | |
| 9 | 99.8 | 109.9 | 60 | |
| 10 | 109.9 | 119.9 | 15 | |
| 11 | 119.9 | 130.1 | 10 | |
| 12 | 130.1 | 137.8 | 10 | |
| 13 | 137.8 | 164.0 | 50 | 72 |
| 14 | 164.0 | 173.0 | 10 | 44 |
| 15 | 173.0 | 179.2 | 20 | 48 |
| 16 | 179.2 | 184.9 | 25 | 52 |
| 17 | 184.9 | 205.7 | 30 | 44 |
| 18 | 205.7 | 215.5 | 56 | 40 |
| 19 | 215.5 | 232.0 | 48 | 10 |
| 20 | 232.0 | 242.0 | 52 | 70 |
| 21 | 242.0 | 272.1 | 53 | 10 |
| 22 | 272.1 | 297.5 | 10 | 32 |
| 23 | 297.5 | 324.1 | 5 | 28 |
| 24 | 324.1 | 354.0 | 20 | 40 |
| 25 | 354.0 | 378.0 | 50 | 96 |
| 26 | 378.0 | 387.5 | 120 | 60 |
| 27 | 387.5 | 392.8 | 150 | 64 |
| 28 | 392.8 | 398.0 | 140 | 80 |
| 29 | 398.0 | 406.0 | 110 | 64 |
| 30 | 406.0 | 416.0 | 160 | 72 |
| 31 | 416.0 | 426.0 | 90 | 56 |
| 32 | 426.0 | 436.0 | 140 | 68 |
| 33 | 436.0 | 448.0 | 70 | 56 |
| 34 | 448.0 | 456.0 | 10 | 40 |
| 35 | 456.0 | 475.0 | 15 | 40 |

| Sample No. | Interval | | Mo ppm | Cu ppm |
|------------|----------|-------|--------|--------|
| | From | To | | |
| # 36 | 484.0 | 494.2 | Nil | 120 |
| 37 | 504.0 | 514.0 | Nil | 68 |
| 38 | 524.7 | 534.5 | 20 | 72 |
| 39 | 534.5 | 538.1 | 25 | 60 |
| 40 | 538.1 | 546.0 | 10 | 72 |
| 41 | 556.0 | 566.0 | 30 | 68 |
| 42 | 576.0 | 586.0 | 5 | 56 |
| 43 | 606.0 | 616.0 | Nil | 60 |
| 44 | 634.7 | 644.7 | Nil | 56 |
| 45 | 662.0 | 670.4 | Nil | 52 |
| 46 | 689.0 | 699.0 | Nil | 84 |
| 47 | 710.0 | 719.0 | Nil | 87 |
| 48 | 735.1 | 745.0 | Nil | 60 |
| 49 | 764.5 | 775.0 | Nil | 56 |
| 50 | 795.0 | 804.0 | | |
| 51 | 816.0 | 826.0 | | |
| 52 | 836.0 | 846.0 | | |
| 53 | 856.0 | 863.0 | | |

Bottom of hole - 863. feet

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

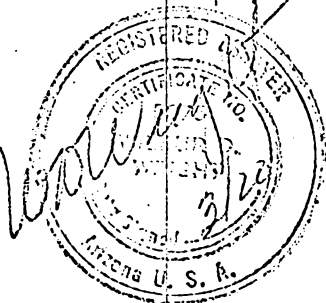
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Route 2 Box # 731 West
Tucson, Arizona

JOB # 002240
RECEIVED 3-14-68
REPORTED 3-20-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DH-DDH-3: | | | | | | | |
| # 1 | | | | 36 | | | < 5 |
| 2 | | | | 92 | | | 10 |
| 3 | | | | 152 | | | < 5 |
| 4 | | | | 132 | | | 5 |
| 5 | | | | 140 | | | 20 |
| 6 | | | | 188 | | | 260 |
| 7 | | | | 192 | | | 340 |
| 8 | | | | 172 | | | < 5 |
| 9 | | | | 48 | | | N.D. |
| 10 | | | | 44 | | | 55 |
| 11 | | | | 32 | | | 70 |
| 12 | | | | 24 | | | ≤ 5 |
| 13 | | | | 24 | | | < 5 |



CHARGE \$ 45.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

John D. Flint
(Hinton) 3-20-68
INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 1 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

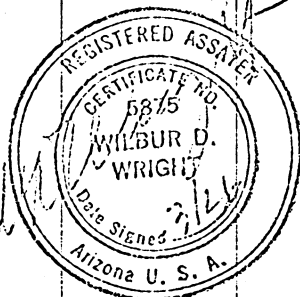
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Route 2 Box # 731 West
Tucson, Arizona

JOB # 002265
RECEIVED 3-21-68
REPORTED 3-25-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DE-DDH-3: | | | | | | | |
| # 14 | | | | 40 | | | 50 |
| 15 | | | | 32 | | | 30 |
| 16 | | | | 24 | | | 85 |
| 17 | | | | 40 | | | 100 |
| 18 | | | | 24 | | | 20 |
| 19 | | | | 32 | | | 10 |
| 20 | | | | 33 | | | 5 |
| 21 | | | | 41 | | | 165 |
| 22 | | | | 34 | | | 35 |
| 23 | | | | 16 | | | 80 |
| 24 | | | | 24 | | | 5 |
| 25 | | | | 24 | | | 5 |
| 26 | | | | 33 | | | 10 |
| 27 | | | | 32 | | | 20 |
| 28 | | | | 23 | | | 100 |
| 29 | | | | 40 | | | 50 |
| 30 | | | | 32 | | | 15 |
| 31 | | | | 16 | | | 30 |
| 32 | | | | 32 | | | 30 |
| 33 | | | | 34 | | | 10 |



*OK for payment
Charge 168
4-1
Wright, this
168*

CHARGE \$ 70.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

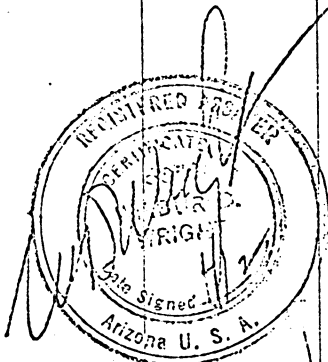
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002306
RECEIVED 3-29-68
REPORTED 4-2-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DD DDH-3: | | | | | | | |
| # 34 | | | | 84 | | | 10 |
| 35 | | | | 48 | | | < 5 |
| 36 | | | | 52 | | | < 5 |
| 37 | | | | 40 | | | 30 |
| 38 | | | | 24 | | | 5 |
| 39 | | | | 16 | | | < 5 |
| SW-40 | | | | 80 | | | 85 |



*OK - pay to - 4-6-68
Charge 12.50
AM 4-6-68*

CHARGE \$ 24.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 24 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

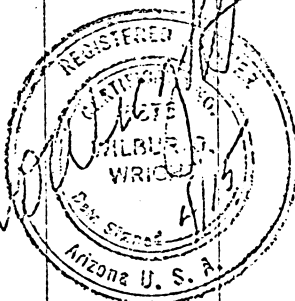
710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 Northf Soldiers Trail
Tucson, Arizona

JOB# 002375
RECEIVED 4-12-68
REPORTED 4-15-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|-------------------|
| DH:DDH#3: | | | | | | |
| # 40 | | | | 480 | | < 5 |
| 41 | | | | 44 | | 5 |
| 42 | | | | 36 | | N.D. |
| 43 | | | | 28 | | N.D. |
| 44 | | | | 448 48 | | 30 |
| 45 | | | | 47 | | < 5 |
| 46 | | | | 40 | | < 5 |
| 47 | | | | 20 | | N.D. |

Note: No charge for the Coppers.



*OK for payment
Charge Hunter Mundy
Chamberlain 4-26-68*

CHARGE \$ 20.00

INVOICE

HINTON RANCH - ARIZ.

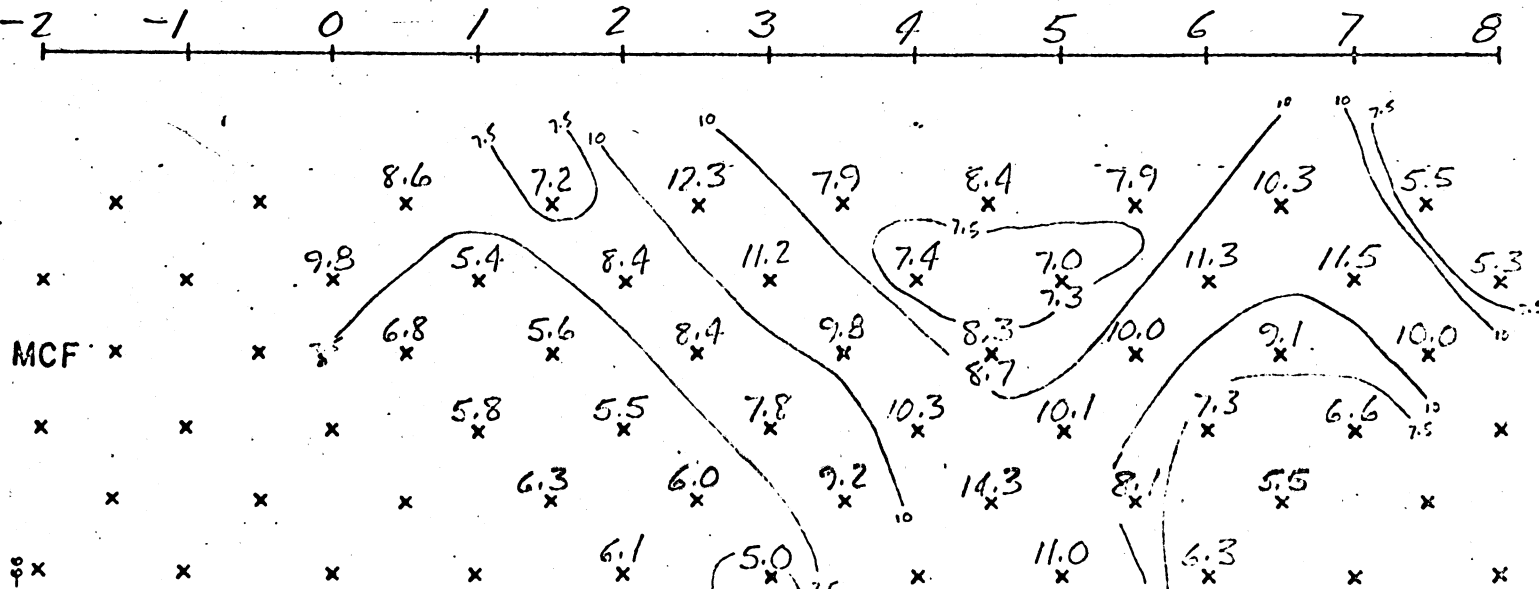
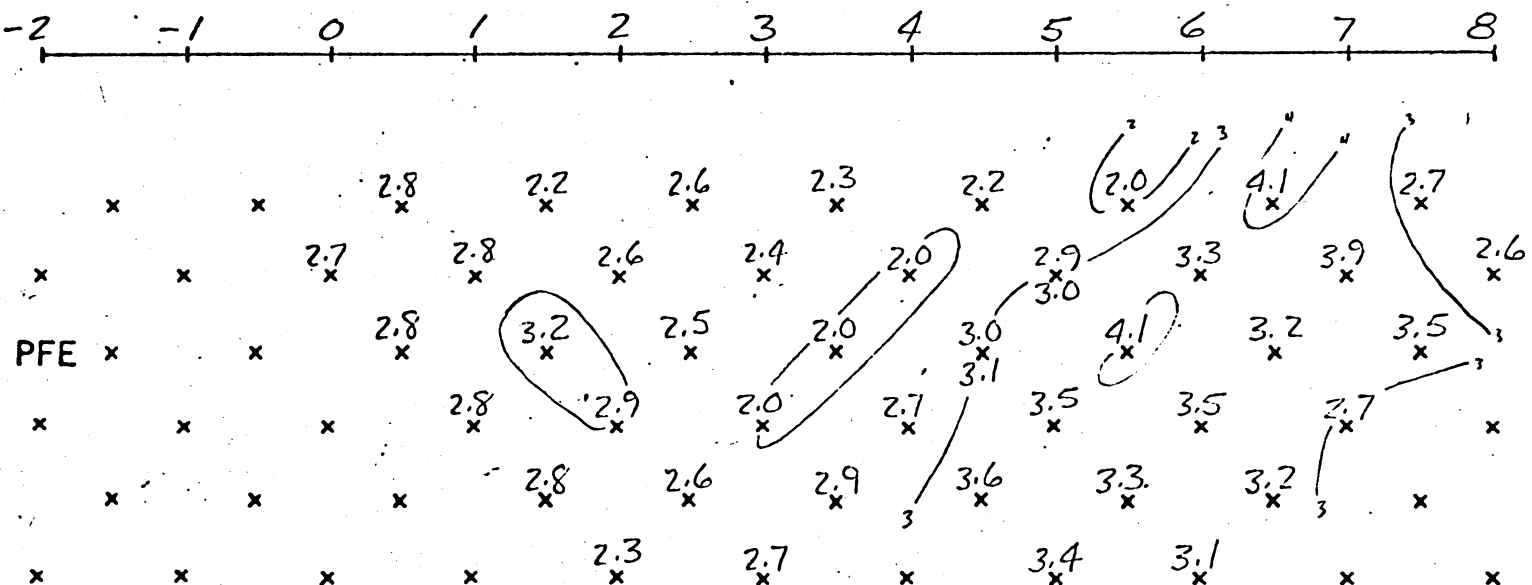
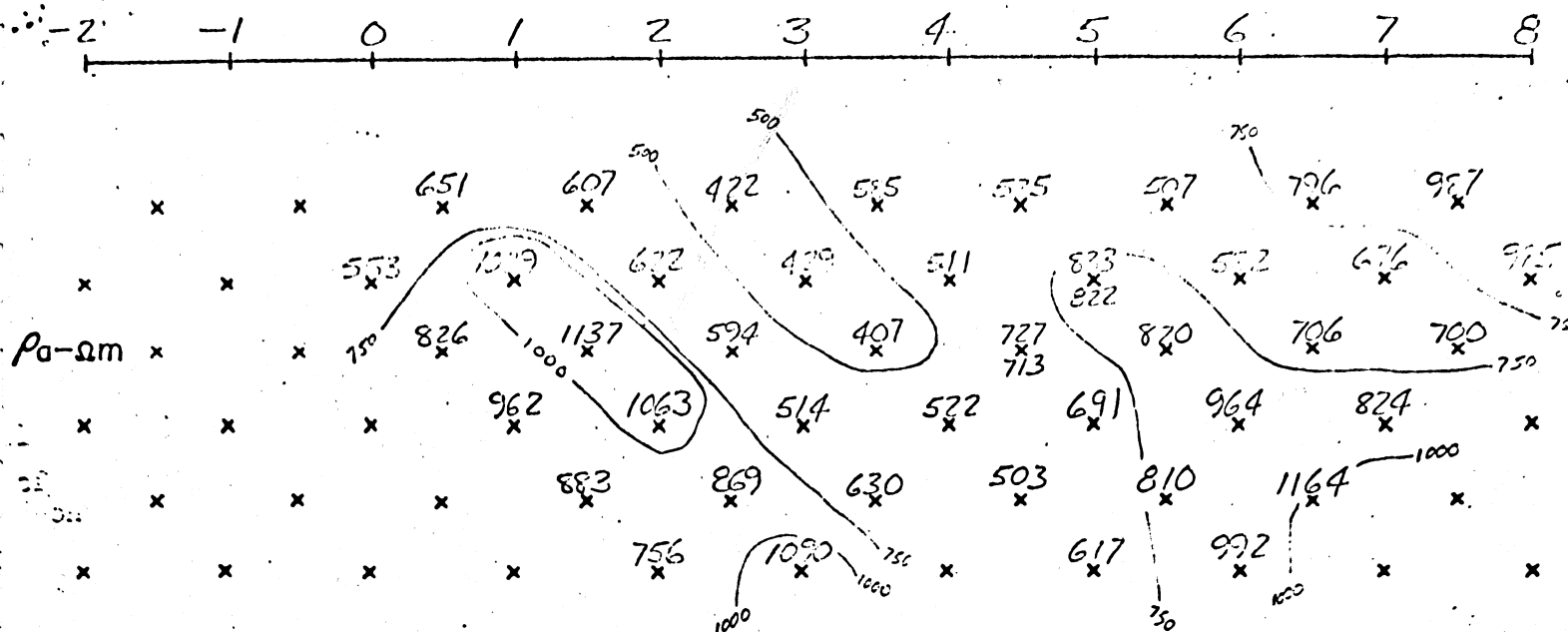
HINTON RANCH
MOLY PROSPECT REPORT
SAFFORD, ARIZ.
Graham Co.
FREEPORT EXPLORATION CO.

Hinton Ranch Molybdenum Prospect

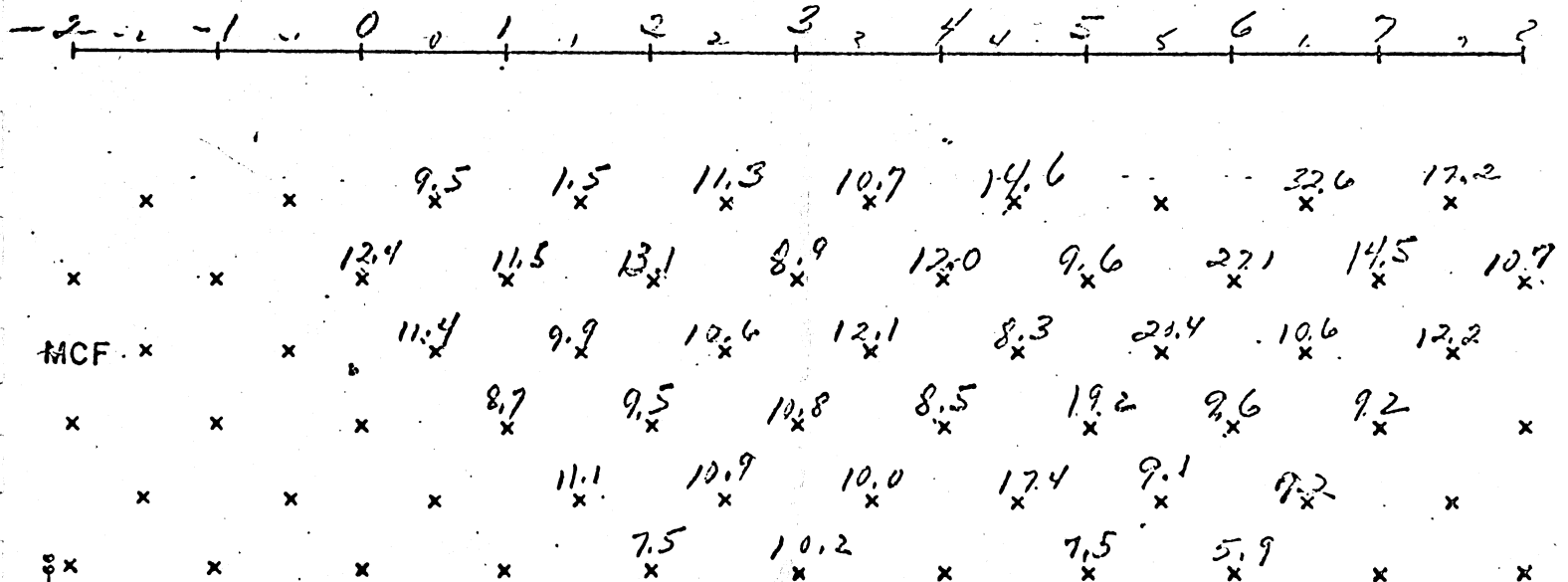
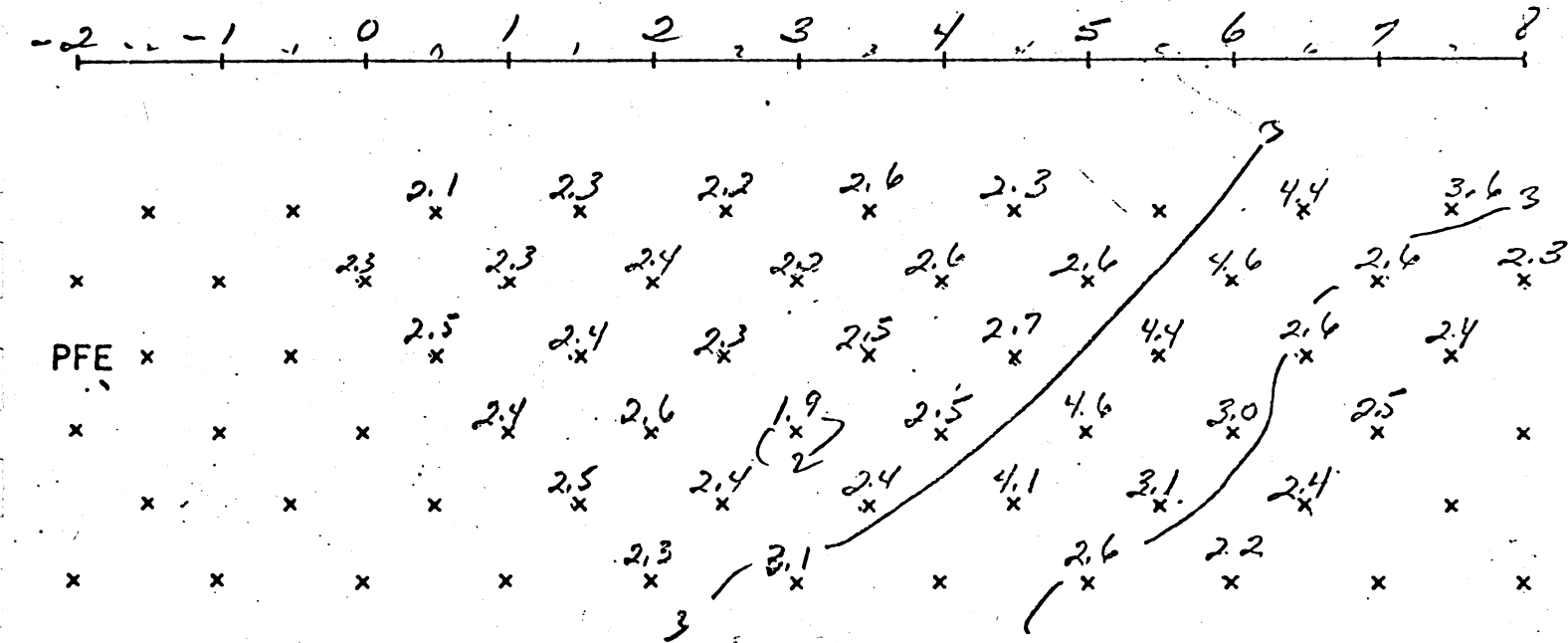
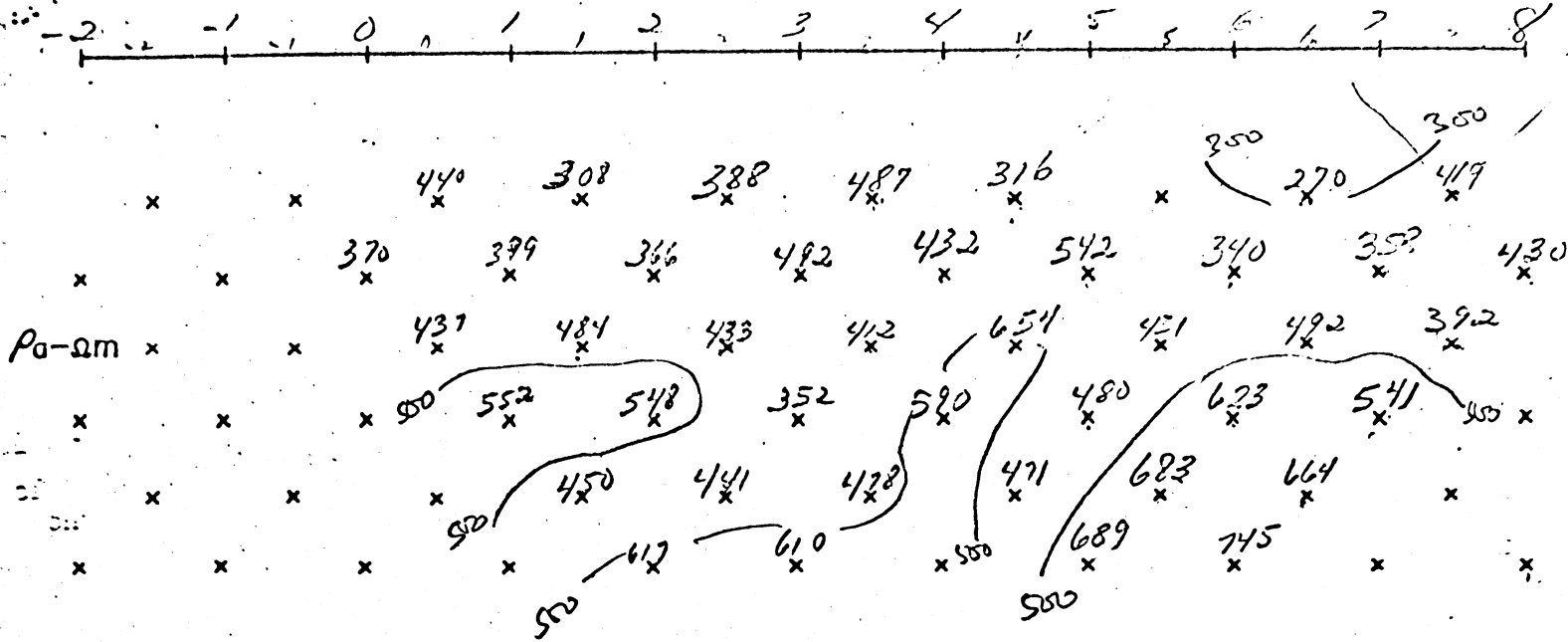
Summary Report

Frank J. Nelson
Freeport Exploration Company
May 27, 1968

GEOSCIENCE INCORPORATED
INDUCED POLARIZATION PROFILE WORK SHEET



GEOSCIENCE INCORPORATED
INDUCED POLARIZATION PROFILE WORK SHEET



GEOSCIENCE
Induced Polarization

Job No.: 515
Client: PREPONT SULPHUR COMPANY
Location: BLACK ROCK
Sheet: 1 of 1

R21E

LINE A
LINE B
LINE C
LINE D
LINE E

GRANDE TRAIL

20 30 40 50 60 70 80 90 100

10 9 8 7 6 5 4 3 2 1 0 -1 -2 -3 -4 -5 -6 -7 -8

| | |
|----------------------------------|-------------------------------|
| Job No.: 315 | Date: JANUARY 1963 |
| Client: WREPOINT SULPHUR COMPANY | Line No.: A10C1212D |
| Location: BLACK ROCK | Revisions: |
| Sheet: 1 of 1 | Drafted By: KAL Approved: A13 |

SCALE: 1:1000.

153

Hinton Ranch Molybdenum Prospect

Summary Report

Location

Approximately 28 miles northwest of Safford, Arizona, in the Santa Teresa Mountains. The area covered includes parts of Sections 19, 20, 28, 29, 30, 31, 32 and 33, Township 5 South, Range 21 East, Graham County, Arizona.

History

This area was first brought to the attention of Freeport Exploration Company by Mr. Dan Hinton of Ft. Thomas, Arizona, and Mr. Leslie West of Safford, Arizona, on September 27, 1967. Mr. Hinton had uncovered a "ledge" of molybdenite-bearing granite porphyry while bulldozing in the northeast quarter of Section 32. This rock was shown to me by Mr. Hinton while I was visiting the area on an examination of other nearby prospects. Two samples, subsequently cut from exposures of the molybdenite-bearing rock assayed 0.400% and 0.230% total Mo.

Reconnaissance of the surrounding area and geochemical sampling were conducted through October. A letter of intent, setting forth the general form of a lease-option agreement was signed on October 15th. Staking of 110 claims and application for State Prospecting Permits began on November 15th and continued until December 14th. A severe snow storm and subsequent flooding made the prospect inaccessible until January 9th, at which time an I.P. survey was started. Drilling began on January 24th. Principally due to renewed flooding, it took until April 11th to complete three diamond drill holes. Exploration efforts on the prospect terminated on May 14th.

Geology

The prospect is located in the eastern edge of a large granitic intrusive (approximately 20 x 10 miles in area) located in the west-central part of Graham County. This intrusive stock consists basically of equigranular and porphyritic biotite granite, cut by dikes and masses of aplite, rhyolite and diabase.

In the immediate area of the Hinton Prospect, the granite is in contact with an andesitic volcanic vent and related flows and dikes. The granite explored is quite variable in texture, though mainly porphyritic, and is generally strongly weathered. Random dikes of aplite and veins of massive milky quartz are common. Jointing and fracturing are locally well-developed, trending mainly to the northwest. Intense shearing of the granite occurs in scattered zones, most notably in the northwest quarter of Section 28.

Patches of highly feldspathized and kaolin-sericite altered granite are found throughout the area of the prospect, both as surface exposures and in drill holes. Granite not affected by this type of alteration is generally fresh, once the surface-weathered crust is penetrated. Some silicification and locally strong clay alteration occur in the zones of highly sheared rock.

Anomalous molybdenum mineralization was found in 14 separate locations, contained within a roughly circular area approximately 6,000 feet in diameter, centering around the claim, "Chula #57." Disseminated molybdenite, pyrite and minor chalcopyrite were found in all the textural types of granite encountered on the surface or in drill holes (porphyry, porphyritic, equigranular, aplitic and pegmatitic). Aplite dikes encountered were barren, except for magnetite and traces of pyrite. The "feldspathized rock" is barren of molybdenum mineralization.

Geochemical Data

In general, geochemical prospecting seemed to be ineffective on this area. Enclosed are three maps showing some of the results of this survey. The 14 places in which anomalous molybdenum assays were gathered were:

| | | <u>Highest Assay</u> |
|-------------------------------------|------|----------------------|
| DDH-1 | 419' | 0.275% Mo |
| DDH-2 | 863' | 160 PPM Mo |
| DDH-3 | 900' | 340 " " |
| Rotary Hole A | | 20 " " |
| | B | 120 " " |
| | C | 30 " " |
| | G | 20 " " |
| | J | 330 " " |
| | N | 35 " " |
| S.W. corner Chula #40 | | 85 " " |
| On road near Rotary Hole A | | 70 " " |
| N.W. $\frac{1}{4}$ Chula #58 | | 35 " " |
| Original MoS ₂ discovery | | 0.400% Mo |
| Near DDH-2 in outcrop | | 0.230% Mo |

Geophysical Data

The induced polarization survey consisted of five northeast-trending lines, and was conducted by Geoscience Inc. under contract. A weak, subtle northwest-southeast trending anomalous zone was developed, and tested by the drilling of DDH-3. The report from Geoscience is attached.

Drill Hole Data

A total of 19 holes was drilled on the prospect. Three of these were diamond drill holes that went 419, 863 and 900 feet respectively. Geologic logs with assay data from these holes are attached to this report. The remaining 16 holes were rotary air-blast drilled, and used both for exploration and claim validation purposes. The deepest of these holes went 205 feet (Hole "I"). Assay results from these holes are attached.

Conclusions

The molybdenum mineralization found on the Hinton Prospect, while widespread, did not prove to be of economic grade.

The only rock containing molybdenite encountered on the surface or in drilling was the granite, in all its textural varieties. Discrete grains of molybdenite are found enclosed within crystals of feldspar and quartz, and commonly in flakes of biotite. The host rock is mainly fresh, with glassy feldspars and bright, black biotite.

It is probable, therefore, that the MoS_2 was first formed as one of the primary minerals of the granite, concentrated somewhat near the edges of the intrusive stock. Later tectonic deformation of the granite in this "fringe" of higher-than-background MoS_2 might have resulted in locally increased concentrations of the sulphides. This would account for the somewhat higher percentage of MoS_2 in the sheared and broken portions of the drill core.

Any further prospecting for suitable tonnages of economic grade MoS_2 mineralization should, therefore, be conducted along the fringes of the intrusive stock, in areas of intense fracturing and deformation.

Frank J. Nelson/bk
May 27, 1968

GEOSCIENCE INCORPORATED

Dr. J. C. C.
FEB 1 1968 *4-100*

M.E. Fite

A PRELIMINARY REPORT OF
THE INDUCED POLARIZATION SURVEY
AT BLACK ROCK, SAFFORD, ARIZONA

FREEPORT SULPHUR COMPANY

HINTON AREA A

GEOSCIENCE
INCORPORATED
REPORT

GEOSCIENCE INCORPORATED

FORWARD:

This induced polarization survey was performed for and under the direction of Freeport Sulphur Company. The areas surveyed were in the state of Arizona. An enclosed map shows the general location of the field sites. There were 6 setups run on 3 lines with a total coverage in excess of 22,000 feet.

A dipole-dipole electrode array using 500 and 250 foot dipole spacings was chosen for the survey.

The induced polarization lines are discussed set-up by set-up in numerical order of the field work. Overall comparisons and recommendations have been made in the conclusion of this report.

The interpretations in this report are based on the geophysical data only. As yet, no attempt has been made to relate the geophysical data to geologic information.

DISCUSSION:

Line A1:

This line was the first to be run in this program.

The apparent resistivity profile displays a somewhat high overall appearance, marked by some lower resistivity contrasts.

A gradual decrease in near surface values is noted in a SW direction. A major contrast in values appear near to station 6 to 7. It would appear that a higher resistive rock underlays this line and might come closer to the surface at or about station 6 to 7.

The frequency effect profile displays some changes in value from a background of +2.0% to over 3.0%, which are displayed over 20% of this line. A normal increase in percent frequency effect occurs at or about positions 7-8 and continues to the northeast end of the line.

GEOSCIENCE INCORPORATED

Line A2:

This line was the second to be run in this program.

The apparent resistivity profile displays a somewhat high appearance between positions 1-2 to 7-8, marked by some lower resistivity contrasts, suggesting a feature or contact at these locations. The resistivities decrease to the northeast end of the line but no limit is given because of lack of data. *to A1*

The frequency effect profile displays changes in value from a background of +1.0% to over 4.0%.

INCORPORATED

REPORT

Line B1:

This line was the third to be run in this program.

The apparent resistivity profile displays in general a very similar trend as noted in Line A1. An increase in value occurs until about position 6 to 7, where the higher resistivity come very close to surface. It would appear that a major contact or feature exists between stations 3 and 6.

The frequency effect profile displays changes from 2.0% to 5.0%.

There are two percent frequency effect features on Line B1. The first feature is located between positions 1 thru 4. The second feature is the build up of frequency effects between positions 9 and 10.

Line B2:

This line was the fourth to be run in this program.

The apparent resistivity profile displays a high appearance from positions 2 thru 6, suggesting a contact or feature at two locations, position 3 to 4 and positions 6 to 7.

The frequency effect profile displays changes from a background of 2.0% to over 4.0%.

A very definite increase in value is noted between positions 1 to 4.

GEOSCIENCE
INCORPORATED

REPORT

Line DB:

This line utilized 250 foot dipole as opposed to the 500 foot dipole used on lines A & B. It was placed to ascertain the near surface response on Line B.

The apparent resistivity profile displays major contrasts in value. A high resistive zone is noted at or about location 1 to 2 and at or about location 8 to 10. A lower resistive zone is centered near location 3 to 4.

The PFE data displays an increasing trend between stations 2 to 5. The increase in values is from less than 2% to over 4%.

GEOSCIENCE
INCORPORATED
REPORT

GEOSCIENCE INCORPORATED

Line C:

This line was the second check-out line to be run.

The apparent resistivity profile displays rather large contrasts in value. A high resistive feature is noted between station 1 to 3. A low resistive zone lies close to the NE of the resistive feature.

The frequency effect data displays a very definite increase in value between stations 5 to 7.

GEOSCIENCE INCORPORATED REPORT

CONCLUSION:

Certain features are apparent as a result of this survey. On line A it would appear that a slight increase in PFE value occurs between two zones of higher resistivity. The actual change is very slight. This feature is also apparent on Line B. This line displays though a stronger zone of higher PFE values. (On setup B₂).

It would appear that the high resistive zone on the NE portion of both lines ^{cuts both lines} nearly perpendicular to the lines, and that a definite cut-off in PFE values occurs at this point.

A second perpendicular high resistive feature is noted near to position 6 to 7 on both lines. This feature does not display the low PFE value noted on the other feature. This fact suggests even though the apparent resistivity values are similar a different rock type might occur.

The two check out lines confirmed the locations of the higher responses noted on Line B setup B₂. Lines DB and C displays the feature noted on Lines A and B, namely the higher PFE values associated with the higher resistive zone in the center of the line and the lower response associated with the high resistive feature on the NE portion of the lines.

GEOSCIENCE INCORPORATED

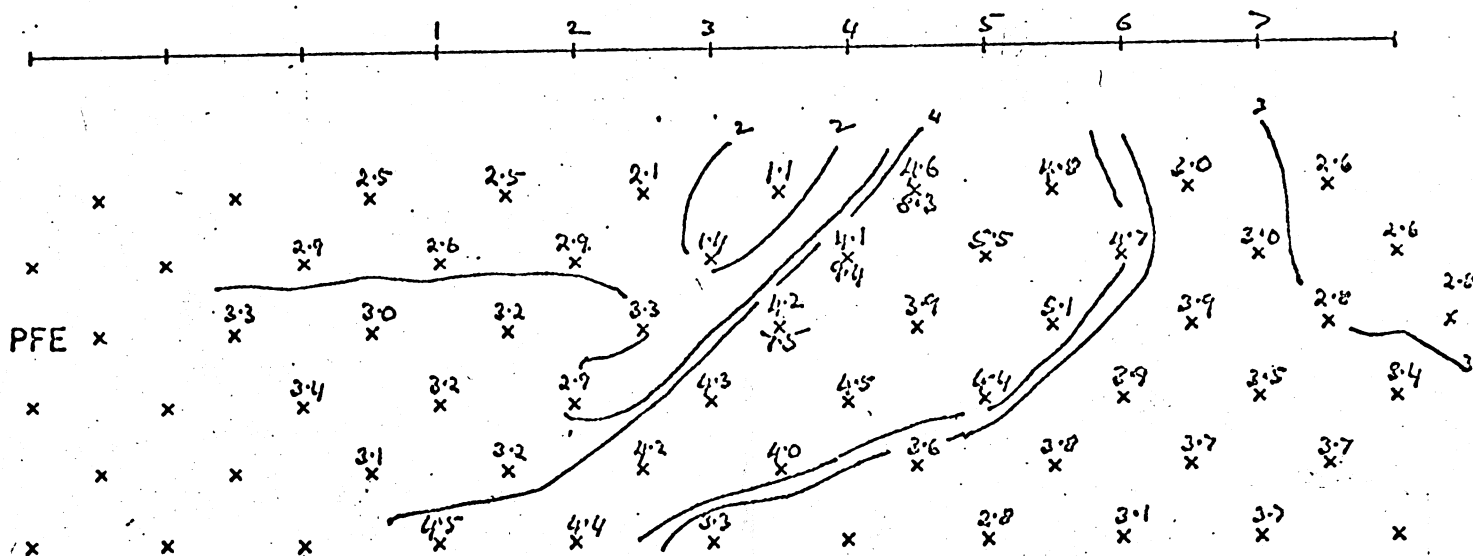
This report can be regarded only as a preliminary report of the work to date. Due to hurried preparation the format and contents of the report are subject to change.

The survey has been continued to ascertain the regional changes within the ^{staked} stated area. Comparison of this data, upon its completion, to the data contained within this report, will allow definite comparisons to be made of the general area relative to the area of ^{interest} intent.

Respectfully submitted,

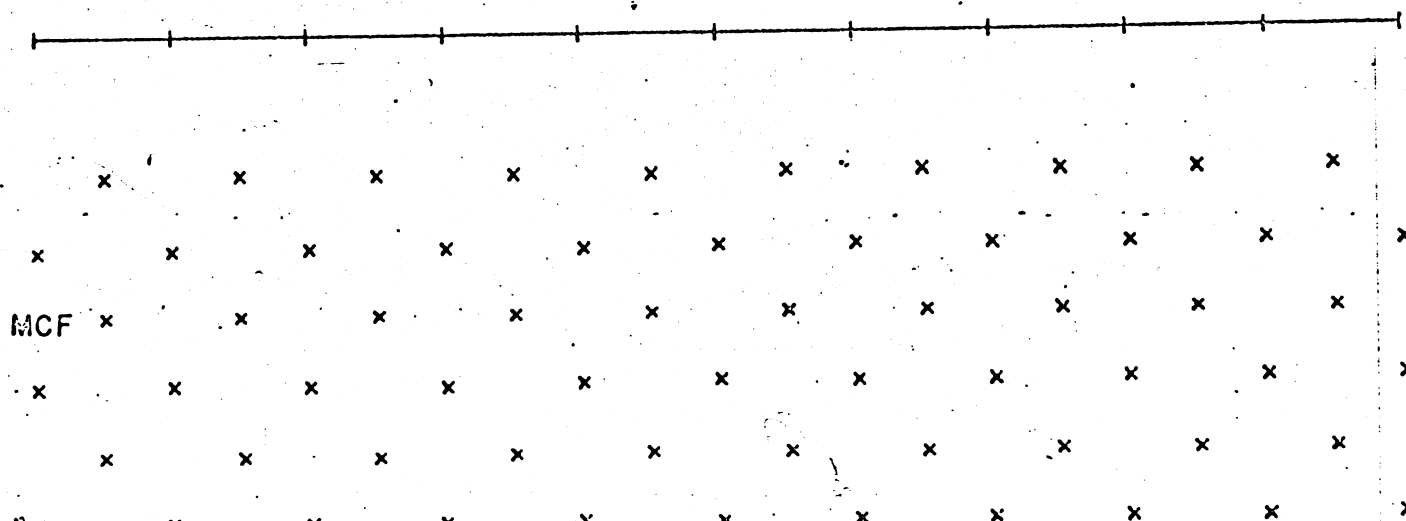
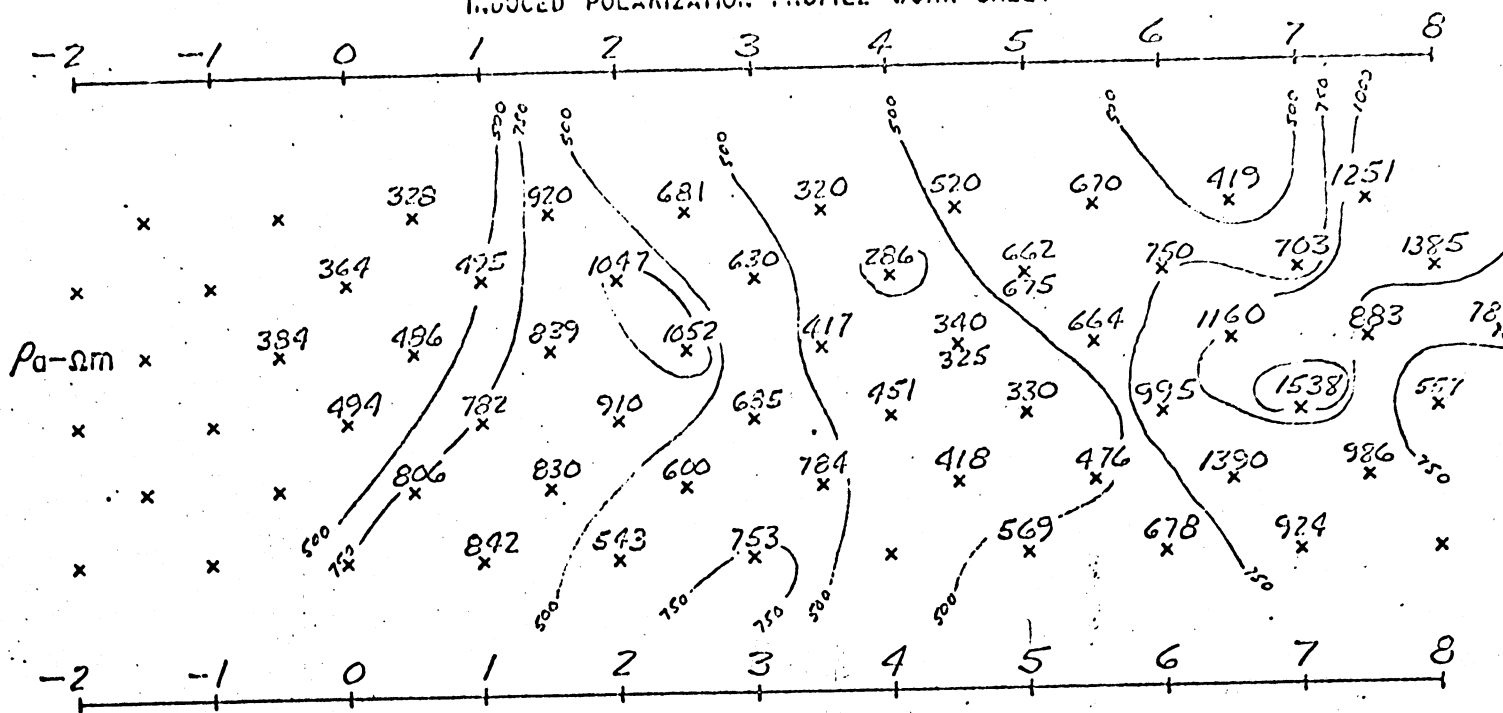
Antony Ivan Smith
Regional Manager
Western Division

AIS/dla



MCF

INDUCED POLARIZATION PROFILE WORK SHEET



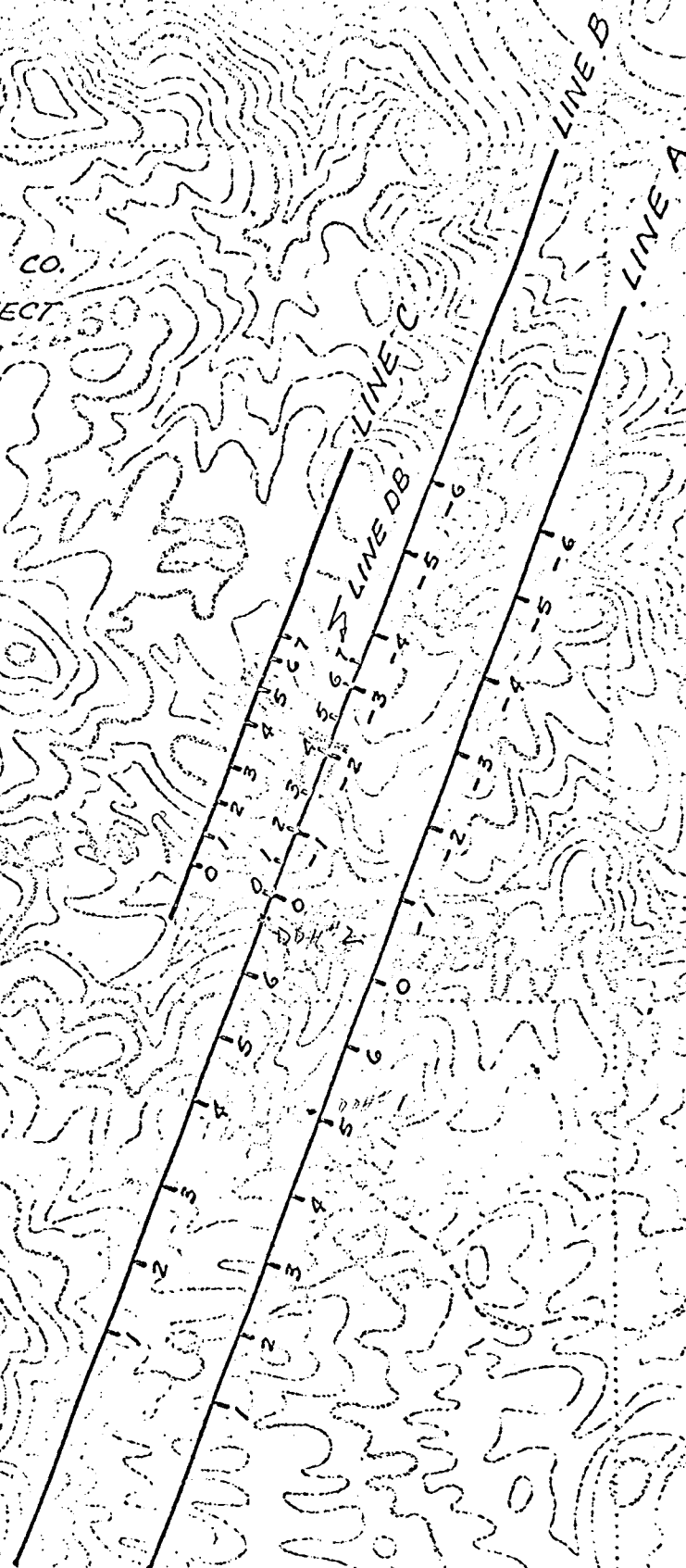
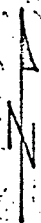
FORM GD-100

AREA BLACK ROCK STATE ARIZ. LINE NO. DB DATA BY DATE JAN. 1968
 TRANS. _____ REC. _____, DIPOLE - DIPOLE ARRAY, 1. _____ 250' 17227

JOB 546

FREEPORT SULFUR CO.

BLACK ROCK PROJECT





GEOSCIENCE INCORPORATED

A SUBSIDIARY OF AMPLEX CORPORATION

199 BENT STREET, CAMBRIDGE, MASSACHUSETTS 02141

26 February, 1968

WESTERN GEOPHYSICAL EXPLORATION DIVISION

P. O. BOX 1470

TUCSON, ARIZONA 85719

TELEPHONE: 602-805-2071

| | |
|------------|-------|
| MAR 1 1968 | |
| FKW | |
| CMS | 4-500 |
| JER | |
| DEF | 2 |
| AL | |
| VK | 3-4K |
| FJA | 1 |
| GLC | 5 |

Hinton Ranch

Mr. Frank Nelson
Freeport Sulphur Company
161 East 42nd Street
New York, New York 10017

*copied
for*

Dear Mr. Nelson:

Enclosed you will find the additional field sheets for the two extra lines. I have added a few brief words on the two lines as well as a brief summary to the other report I gave you.

I am still waiting for the field sheets to come back from the blueprinters, so I will hope to have the final report out by the end of the week.

I hope the weather is not too cool.

Sincerely,

Antony Ivan Smith
Regional Manager
Western Division

AIS/dla

Enclosure

GEOSCIENCE INCORPORATED

A SUPPLEMENTARY REPORT OF
THE INDUCED POLARIZATION SURVEY
AT BLACK ROCK, SAFFORD, ARIZONA

FREEPORT SULPHUR COMPANY

A

GEOSCIENCE

INCORPORATED

REPORT

Since the last preliminary report two additional lines have been completed. Namely lines D and E. Enclosed map shows field location of all lines.

LINE D.

This line utilized 500 foot dipole and a single 7 electrode setup.

The apparent resistivity profile display lower values than was found in other lines. This fact suggest some change between this line and line E. The overall appearance of the line shows relatively little contrast.

The PFE profile displays values in the order of +2%. A change is noted between dipoles 7 to 8 where the values increase to over 4%.

LINE E.

REPORT

This line also utilized 500 foot dipole spacing and a single 7 electrode spread.

The apparent resistivity profile displays larger contrast in values than was found on line D. It would appear that a lower resistivity zone between position 1 to 3 (4) is bordered by higher resistivity zones.

The PFE profile displays a range in values from 2% to 4%. The higher values are noted between stations 6 to 7. The overall change in value appears quite small.

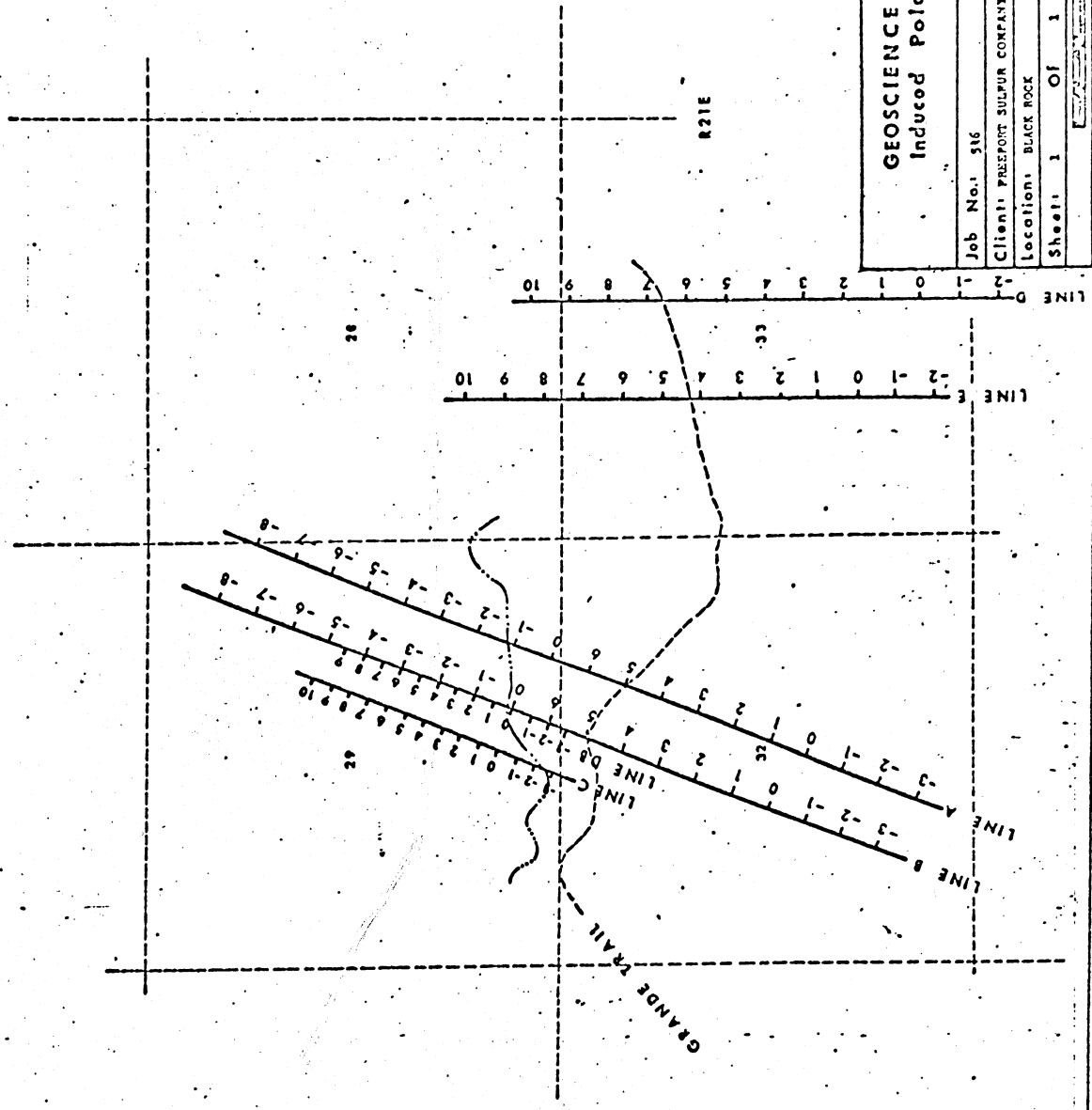
SUMMARY

It would appear that the major difference between lines D & E is the marked change in the resistivity profiles. Lower values appear on line D and the overall contrast is much less intense. These facts suggest that a contact might exist close to line D. It's exact location would be difficult to define due to the orientation of the lines.

The most interesting feature in this survey to date is a very weak increase in PFE value which trends NWW to SEE through all the lines. The completion of an additional line between A and E would have clarified this point. Inclement weather though prevented the completion of this line.

Enclosed is a copy of the map with a rough outline of this zone. The final report will further define this zone in relationship to the whole area.

| | |
|------------------------------------|---------------------|
| GEOSCIENCE INCORPORATED | |
| Induced Polarization Survey | |
| Job No.: 516 | Date: JANUARY 1963 |
| Client: PREPOT SULPHUR COMPANY | Line No.: A-B-C-D-E |
| Location: BLACK ROCK | Revisions: |
| Sheet: 1 | Of 1 |
| Drafted By: KAL Approved: ALB | |



TSS

SCALE: 1"=1000'

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL. WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002133
RECEIVED 2-21-63
REPORTED 2-22-63

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-------------------|
| A- 12 | | | | | | | 10 |
| 13 | | | | | | | 15 |
| 14 | | | | | | | 10 |
| 15 | | | | | | | 15 |
| 16 | | | | | | | < 5 |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | 20 |
| 19 | | | | | | | < 5 |
| 20 | | | | | | | 20 |
| 21 (2' of hole) | | | | | | | 10 |

W. Wright
1/25/63

CHARGE \$ 25.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002134
RECEIVED 2-21-68
REPORTED 2-22-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|-------------|-----------|-------------------|
| B- 1 | | | | | | < 5 |
| 2 | | | | | | < 5 |
| 3 | | | | | | < 5 |
| 4 | | | | | | < 5 |
| 5 | | | | | | N.D. |
| 6 | | | | | | 120 |
| 7 | | | | | | 30 |
| 8 | | | | | | < 5 |
| 9 | | | | | | 10 |
| 10 | | | | | | 10 |
| 11 | | | | | | 10 |
| 12 | | | | | | 20 |
| 13 | | | | | | 10 |
| 14 | | | | | | < 5 |
| 15 | | | | | | < 5 |
| 16 | | | | | | < 5 |
| 17 | | | | | | 10 |
| 18 | | | | | | 15 |
| 19 | | | | | | 10 |
| 20 | | | | | | 15 |
| 21 | | | | | | 20 |
| 22 | | | | | | 80 |



Handwritten signature and date:
2/25/68

CHARGE \$ 55.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

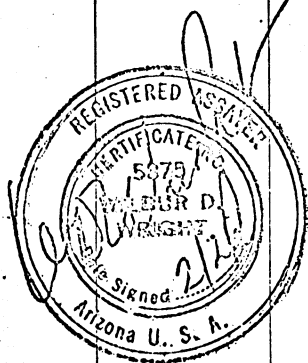
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002145
RECEIVED 2-23-68
REPORTED 2-26-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| C- 1 | | | | | | | 10 |
| 2 | | | | | | | 5 |
| 3 | | | | | | | 5 |
| 4 | | | | | | | 5 |
| 5 | | | | | | | < 5 |
| 6 | | | | | | | < 5 |
| 7 | | | | | | | 10 |



L E F
Horton
3/25/68

CHARGE \$ 17.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5878

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company

JOB # 002154
RECEIVED 2-25-68
REPORTED 2-28-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-------------------|
| C - 8 | | | | | | | 10 |
| 9 | | | | | | | 20 |
| 10 | | | | | | | 30 |
| 11 | | | | | | | 25 |
| 12 | | | | | | | 15 |
| 13 | | | | | | | 5 |
| 14 | | | | | | | 5 |
| 15 | | | | | | | < 5 |
| 16 | | | | | | | < 5 |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | 15 |
| 19 | | | | | | | 10 |
| 20 | | | | | | | < 5 |
| 21 | | | | | | | < 5 |
| 22 | | | | | | | < 5 |

D. E. Hinton
Hinton
3/25/68

CHARGE \$ 37.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

Rotary Drill Hole "C" — Hinton Ranch

| <u>Sample No.</u> | <u>Interval</u> | <u>Mo ppm</u> |
|-------------------|-----------------|---------------|
| C-1 | 0 - 5 feet | 10 |
| C-2 | 5 - 10 | 5 |
| C-3 | 10 - 15 | 5 |
| C-4 | 15 - 20 | 5 |
| C-5 | 20 - 25 | <5 |
| C-6 | 25 - 30 | <5 |
| C-7 | 30 - 35 | 10 |
| C-8 | 35 - 40 | 10 |
| C-9 | 40 - 45 | 20 |
| C-10 | 45 - 50 | 30 |
| C-11 | 50 - 55 | 25 |
| C-12 | 55 - 60 | 15 |
| C-13 | 60 - 65 | 5 |
| C-14 | 65 - 70 | 5 |
| C-15 | 70 - 75 | <5 |
| C-16 | 75 - 80 | <5 |
| C-17 | 80 - 85 | <5 |
| C-18 | 85 - 90 | 15 |
| C-19 | 90 - 95 | 10 |
| C-20 | 95 - 100 | <5 |
| C-21 | 100 - 105 | <5 |
| C-22 | 105 - 110 | <5 |

This hole was bottomed at 110 feet, and validated:
chula #11

12
34
35
36

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

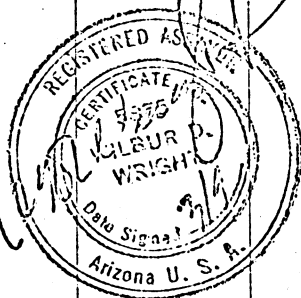
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-234-5311

Freeport Exploration Company

JOB# 002192
RECEIVED 3-5-68
REPORTED 3-8-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-------------------|
| D-1 | | | | | | | N.D. |
| 2 | | | | | | | 5 |
| 3 | | | | | | | 5 |
| 4 | | | | | | | 5 |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |



Handwritten signature: D. F. Hunt
Handwritten date: 3/25/68

CHARGE \$ 32.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

Rotary Drill Hole "D" - Hinton Ranch

| Sample No. | Interval | Mo ppm |
|------------|-----------|--------|
| D-1 | 0-5' feet | Nil |
| D-2 | 10 | 5 |
| D-3 | 15 | 5 |
| D-4 | 20 | 5 |
| D-5 | 25 | Nil |
| D-6 | 30 | Nil |
| D-7 | 35 | Nil |
| D-8 | 40 | Nil |
| D-9 | 45 | Nil |
| D-10 | 50 | Nil |
| D-11 | 55 | Nil |
| D-12 | 60 | Nil |
| D-13 | 65 | Nil |
| D-14 | 70 | Nil |
| D-15 | 75 | Nil |
| D-16 | 80 | Nil |

This hole bottomed at 81 feet - had to be abandoned at this depth due to caving.

This hole validates: Chula # 7

8

9

10

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

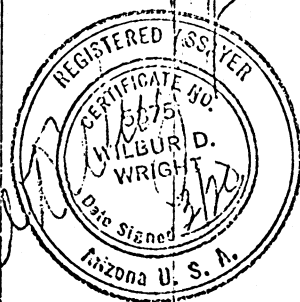
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
Route 2 Box # 731 West
Tucson, Arizona

JOB # 002241
RECEIVED 3-15-68
REPORTED 3-20-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| E- 1 | | | | | | | N., D. |
| 2 | | | | | | | N. D. |
| 3 | | | | | | | N. D. |
| 4 | | | | | | | N. D. |
| 5 | | | | | | | N. D. |
| 6 | | | | | | | N. D. |
| 7 | | | | | | | N. D. |
| 8 | | | | | | | N. D. |
| 9 | | | | | | | N. D. |
| 10 | | | | | | | N. D. |
| 11 | | | | | | | N. D. |
| 12 | | | | | | | N. D. |
| 13 | | | | | | | N. D. |
| 14 | | | | | | | N. D. |
| 15 | | | | | | | N. D. |
| 16 | | | | | | | N. D. |
| 17 | | | | | | | N. D. |
| 18 | | | | | | | N. D. |
| 19 | | | | | | | N. D. |
| 20 | | | | | | | N. D. |
| 21 | | | | | | | N. D. |
| 22 | | | | | | | N. D. |
| 23 | | | | | | | N. D. |
| 24 | | | | | | | N. D. |
| 25 | | | | | | | N. D. |
| 26 | | | | | | | N. D. |
| 27 | | | | | | | N. D. |
| 28 | | | | | | | N. D. |



*OK to Ship Flint
(Charge Kirtland)
3-22-68*

CHARGE \$ 70.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO

WIL WRIGHT

ARIZONA REG. NO. 5875

Freeport Exploration Company

4249 North Soldiers Trail

Route 2 Box # 731 West

Tucson, Arizona

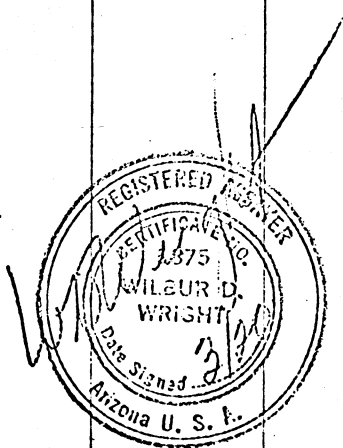
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.

PHONE 602-294-5311

JOB# 002242
RECEIVED 3-15-68
REPORTED 3-20-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|-----------------|
| F-1 | | | | | | N.D. |
| 2 | | | | | | N.D. |
| 3 | | | | | | N.D. |
| 4 | | | | | | N.D. |
| 5 | | | | | | N.D. |
| 6 | | | | | | N.D. |
| 7 | | | | | | N.D. |
| 8 | | | | | | < 5 |
| 9 | | | | | | < 5 |
| 10 | | | | | | < 5 |
| 11 | | | | | | N.D. |
| 12 | | | | | | < 5 |
| 13 | | | | | | < 5 |
| 14 | | | | | | < 5 |
| 15 | | | | | | < 5 |
| 16 | | | | | | < 5 |
| 17 | | | | | | N.D. |
| 18 | | | | | | < 5 |
| 19 | | | | | | < 5 |
| 20 | | | | | | N.D. |
| 21 | | | | | | N.D. |
| 22 | | | | | | N.D. |
| 23 | | | | | | N.D. |
| 24 | | | | | | N.D. |
| 25 | | | | | | N.D. |
| 26 | | | | | | N.D. |



OK J. Lee Flint
(Hinton)
3-22-68

CHARGE \$ 65.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 002-294-5811

Freeport Exploration Company
Route 2 Box # 731 West
Tucson, Arizona

JOB# 002243
RECEIVED 3-15-68
REPORTED 3-20-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| G- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | < 5 |
| 19 | | | | | | | 15 |
| 20 | | | | | | | 10 |
| 21 | | | | | | | < 5 |
| 22 | | | | | | | 10 |
| 23 | | | | | | | 15 |
| 24 | | | | | | | < 5 |
| 25 | | | | | | | N.D. |
| 26 | | | | | | | N.D. |
| 27 | | | | | | | N.D. |
| 28 | | | | | | | N.D. |
| 29 | | | | | | | < 5 |
| 30 | | | | | | | < 5 |
| 31 | | | | | | | < 5 |

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

*OK Delia Hart
(Horton)
3-22-68*

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

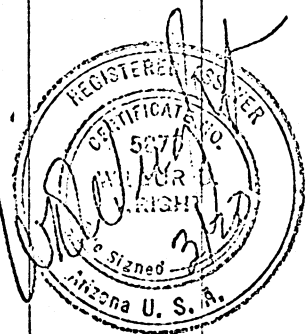
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company

JOB # 002243 Continued
RECEIVED _____
REPORTED _____

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| G-32 | | | | | | | 10 |
| 33 | | | | | | | N.D. |
| 34 | | | | | | | < 5 |
| 35 | | | | | | | < 5 |
| 36 | | | | | | | 5 |
| 37 | | | | | | | 5 |
| 38 | | | | | | | 15 |
| 39 | | | | | | | 20 |
| 40 | | | | | | | 20 |



CHARGE \$ 100.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

OK *Golden Hunt*
(Kinton)
3-27-68

INVOICE

| | | |
|-------------|---|-----|
| MAR 27 1958 | | |
| FRW | | |
| CHB | 1 | 0 |
| AL | | |
| GLC | 2 | |
| BEK | 4 | |
| 5 feet | | sig |
| GLC | 5 | |

Rotary holes - E, F, G:

All samples on 5-foot intervals,
at 0-5 feet.

These holes for location validation only.

"E" validates: Chula # 21, 22, 23, 24, 25, 26

"F" validates: Chula # 18, 19, 20, 27, 28, 29

"G" validates: Chula # 14, 15, 16, 17, 30, 31, 32, 33, 34

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 4 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

BEK
DEF

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002263
RECEIVED 3-23-68
REPORTED 3-29-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| H- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |
| 21 | | | | | | | N.D. |
| 22 | | | | | | | N.D. |
| 23 | | | | | | | N.D. |
| 24 | | | | | | | N.D. |
| 25 | | | | | | | N.D. |
| 26 | | | | | | | N.D. |
| 27 | | | | | | | N.D. |
| 28 | | | | | | | N.D. |
| 29 | | | | | | | N.D. |
| 30 | | | | | | | N.D. |
| 31 | | | | | | | NED. |

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

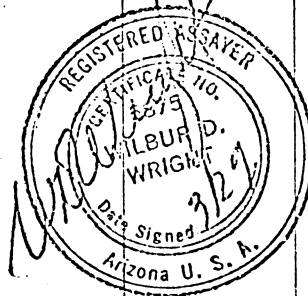
Freeport Exploration Company

JOB # 002268 Continued

RECEIVED _____

REPORTED _____

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| H- 32 | | | | | | | N.D. |
| 33 | | | | | | | N.D. |
| 34 | | | | | | | N.D. |
| 35 | | | | | | | N.D. |
| 36 | | | | | | | N.D. |
| 37 | | | | | | | N.D. |
| 38 | | | | | | | N.D. |
| 39 | | | | | | | N.D. |
| 40 | | | | | | | N.D. |



CHARGE \$ 100.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 4 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 Northf Soldiers Trail
Tucson, Arizona

JOB # 002269
RECEIVED 3-23-68
REPORTED 3-29-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| I- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | 5 |
| 17 | | | | | | | 5 |
| 18 | | | | | | | 10 |
| 19 | | | | | | | 5 |
| 20 | | | | | | | 5 |
| 21 | | | | | | | N.D. |
| 22 | | | | | | | N.D. |
| 23 | | | | | | | N.D. |
| 24 | | | | | | | N.D. |
| 25 | | | | | | | N.D. |
| 26 | | | | | | | N.D. |
| 27 | | | | | | | N.D. |
| 28 | | | | | | | N.D. |
| 29 | | | | | | | N.D. |
| 30 | | | | | | | N.D. |
| 31 | | | | | | | N.D. |

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5011

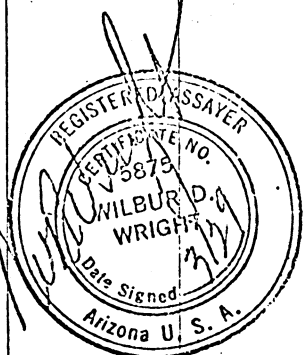
Freeport Exploration Company

JOB# 002269 Continued

RECEIVED _____

REPORTED _____

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| I-32 | | | | | | | N.D. |
| 33 | | | | | | | N.D. |
| 34 | | | | | | | N.D. |
| 35 | | | | | | | N.D. |
| 36 | | | | | | | N.D. |
| 37 | | | | | | | N.D. |
| 38 | | | | | | | N.D. |
| 39 | | | | | | | N.D. |



*On for payment
Chas. H. Wright
4-4-68*

CHARGE \$ 97.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 4 1968

~~CMS~~
BEK

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002270
RECEIVED 3-23-68
REPORTED 3-29-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|-----------------|
| J- 1 | | | | | | N.D. |
| 2 | | | | | | N.D. |
| 3 | | | | | | N.D. |
| 4 | | | | | | N.D. |
| 5 | | | | | | N.D. |
| 6 | | | | | | N.D. |
| 7 | | | | | | N.D. |
| 8 | | | | | | N.D. |
| 9 | | | | | | N.D. |
| 10 | | | | | | N.D. |
| 11 | | | | | | N.D. |
| 12 | | | | | | N.D. |
| 13 | | | | | | N.D. |
| 14 | | | | | | N.D. |
| 15 | | | | | | N.D. |
| 16 | | | | | | N.D. |
| 17 | | | | | | N.D. |
| 18 | | | | | | N.D. |
| 19 | | | | | | N.D. |
| 20 | | | | | | N.D. |
| 21 | | | | | | N.D. |
| 22 | | | | | | N.D. |
| 23 | | | | | | N.D. |
| 24 | | | | | | N.D. |
| 25 | | | | | | N.D. |
| 26 | | | | | | N.D. |
| 27 | | | | | | 85 |
| 28 | | | | | | 5 |
| 29 | | | | | | <5 |
| 30 | | | | | | 5 |
| 31 | | | | | | 330 |

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 8875

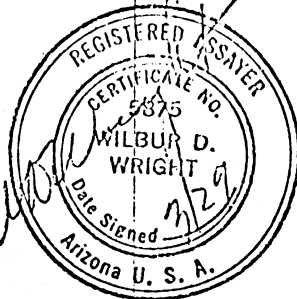
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company

JOB# 002270 Continued
RECEIVED 3-23-68
REPORTED _____

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| J- 32 | | | | | | | 110 |
| 33 | | | | | | | 115 |
| 34 | | | | | | | 30 |
| 35 | | | | | | | 5 |
| 36 | | | | | | | 30 |
| 37 | | | | | | | 5 |
| 38 | | | | | | | 5 |
| 39 | | | | | | | 35 |
| 40 | | | | | | | <5 |



*6-11 - Chubbington
Chubbington Mining
4-4-68*

CHARGE \$ 100.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

APR 4 1968

CM
BEK
DEL

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002271
RECEIVED 3-23-68
REPORTED 3-29-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| K- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |
| 21 | | | | | | | N.D. |
| 22 | | | | | | | N.D. |



OK. Clearing
4-4-68

CHARGE \$ 55.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

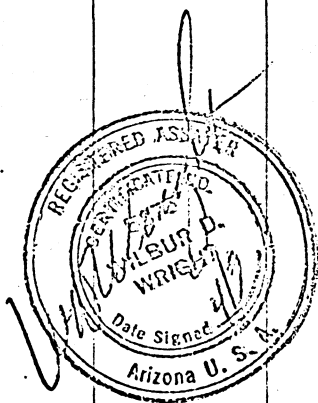
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002314
RECEIVED 4-1-68
REPORTED 4-3-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| L- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |



*Officer prepared
Charged with the duty
4-3-68*

CHARGE \$ 50.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

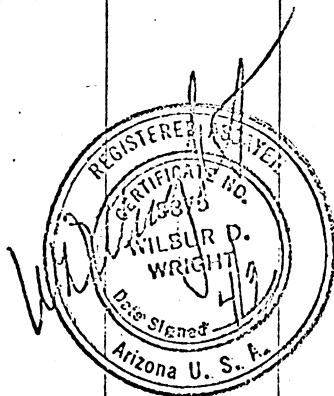
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002315
RECEIVED 4-1-68
REPORTED 4-3-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|-----------------|
| N 1 | | | | | | N.D. |
| 2 | | | | | | N.D. |
| 3 | | | | | | N.D. |
| 4 | | | | | | N.D. |
| 5 | | | | | | N.D. |
| 6 | | | | | | N.D. |
| 7 | | | | | | N.D. |
| 8 | | | | | | N.D. |
| 9 | | | | | | N.D. |
| 10 | | | | | | N.D. |
| 11 | | | | | | N.D. |
| 12 | | | | | | N.D. |
| 13 | | | | | | N.D. |
| 14 | | | | | | N.D. |
| 15 | | | | | | N.D. |
| 16 | | | | | | N.D. |
| 17 | | | | | | N.D. |
| 18 | | | | | | N.D. |
| 19 | | | | | | N.D. |
| 20 | | | | | | N.D. |
| 21 | | | | | | N.D. |
| 22 | | | | | | N.D. |
| 23 | | | | | | N.D. |
| 24 | | | | | | N.D. |
| 25 | | | | | | N.D. |
| 26 | | | | | | N.D. |



*Charges for 26 samples
Charge for 26 samples
4-9-68*

CHARGE \$ 55.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Route 2 Box # 731 West, Tucson, Arizona

JOB# 002316
RECEIVED 4-2-68
REPORTED 4-4-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| N- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | < 5 |
| 6 | | | | | | | < 5 |
| 7 | | | | | | | 5 |
| 8 | | | | | | | < 5 |
| 9 | | | | | | | < 5 |
| 10 | | | | | | | < 5 |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | 5 |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |
| 21 | | | | | | | N.D. |
| 22 | | | | | | | N.D. |
| 23 | | | | | | | N.D. |
| 24 | | | | | | | N.D. |
| 25 | | | | | | | N.D. |
| 26 | | | | | | | 20 |
| 27 | | | | | | | 35 |
| 28 | | | | | | | 5 |
| 29 | | | | | | | 10 |
| 30 | | | | | | | 25 |

[Handwritten signature and stamp]
[Circular stamp: U.S. ASSAYERS]
[Handwritten: 4/14]
[Handwritten: 4/14]
[Handwritten: 4/14]

CHARGE \$ 75.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 9 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

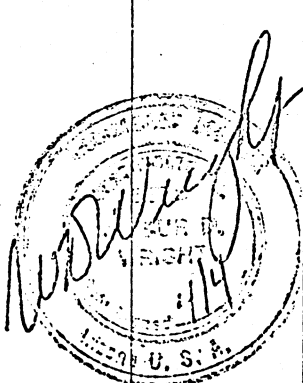
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002317
RECEIVED 4-2-68
REPORTED 4-4-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|-----------------|
| 0- 1 | | | | | | N.D. |
| 2 | | | | | | N.D. |
| 3 | | | | | | N.D. |
| 4 | | | | | | N.D. |
| 5 | | | | | | N.D. |
| 6 | | | | | | N.D. |
| 7 | | | | | | N.D. |
| 8 | | | | | | N.D. |



*OK for Payment
Chas. Hamilton
Chas. Hamilton*

CHARGE \$ 20.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

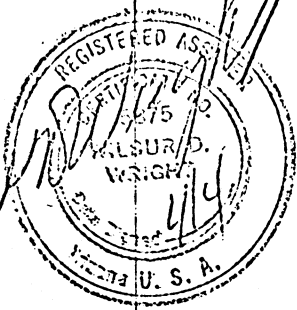
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002326
RECEIVED 4-2-68
REPORTED 4-4-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DH 1-1-1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | < 5 |
| 16 | | | | | | | < 5 |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | < 5 |
| 19 | | | | | | | N.D. |
| 20 | | | | | | | N.D. |



*Charge Freeport
4-4-68*

CHARGE \$ 50.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

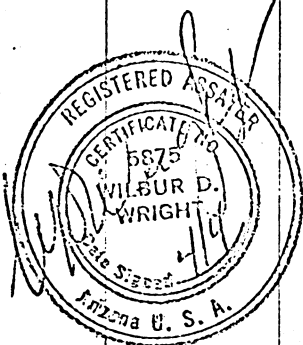
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002327
RECEIVED 4-2-68
REPORTED 4-4-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DH: 1-2- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | 30 |
| 13 | | | | | | | 10 |
| 14 | | | | | | | 5 |
| 15 | | | | | | | < 5 |
| 16 | | | | | | | 45 |
| 17 | | | | | | | < 5 |
| 18 | | | | | | | < 5 |
| 19 | | | | | | | < 5 |
| 20 | | | | | | | < 5 |



Charge to Freeport Exploration Co. 4/9-68

CHARGE \$ 50.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

ELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

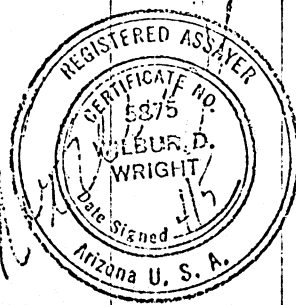
P. O. BOX 7577
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-234-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002328
RECEIVED 4-1-68
REPORTED 4-5-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| 1-3- 1 | | | | | | | N.D.G. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | N.D. |
| 8 | | | | | | | N.D. |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | N.D. |
| 11 | | | | | | | N.D. |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |
| 16 | | | | | | | N.D. |
| 17 | | | | | | | N.D. |
| 18 | | | | | | | N.D. |
| 19 | | | | | | | N.D. |



*Placed in file
attached original
HNTW
paid 5/1/68*

CHARGE \$ 47.50

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration
4249 North Soldiers Trail
Rt.# 2 Box 731 W, Tucson, Arizona

Hinton Ranch

JOB # 002053
RECEIVED 2-5-68
REPORTED 2-7-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DH-DDH-1 | | | | | | | |
| # 1 | | | | | | | 0.275 % |
| 2 | | | | | | | 40 ppm |
| 3 | | | | | | | 20 ppm |
| 4 | | | | | | | 5 ppm |
| 5 | | | | | | | 10 ppm |
| 6 | | | | | | | < 5 ppm |
| 7 | | | | | | | < 5 ppm |
| 8 | | | | | | | < 5 ppm |
| 9 | | | | | | | N.D. |
| 10 | | | | | | | < 5 ppm |
| 11 | | | | | | | 5 ppm |
| 12 | | | | | | | N.D. |
| 13 | | | | | | | N.D. |
| 14 | | | | | | | N.D. |
| 15 | | | | | | | N.D. |

Limits of detectability is about 2.5 ppm. If N.D.
is reported it is below this level. < 5 ppm indicated
the presence of some Mo. but not enough to semi-quantitate.



CHARGE \$ 37.50

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5911

Freeport Exploration

Mr. Frank Nelson

4249 N. Soldiers Trail Rt # 2 Box 731 W

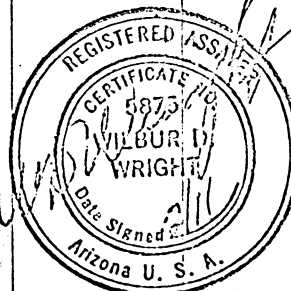
Tucson, Arizona

JOB # 002078

RECEIVED 2-8-68

REPORTED 2-11-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM PPM |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-------------------|
| DH-DDH-1 | | | | | | | |
| # 16 | | | | | | | 10 |
| 17 | | | | | | | 5 |
| 18 | | | | | | | <5 |
| 19 | | | | | | | <5 |
| 20 | | | | | | | 5 |
| 21 | | | | | | | <5 |
| 22 | | | | | | | <5 |
| 23 | | | | | | | 10 |
| 24 | | | | | | | N.D. |
| A- 1 | | | | | | | N.D. |
| 2 | | | | | | | N.D. |
| 3 | | | | | | | N.D. |
| 4 | | | | | | | N.D. |
| 5 | | | | | | | N.D. |
| 6 | | | | | | | N.D. |
| 7 | | | | | | | <5 |
| 8 | | | | | | | <5 |
| 9 | | | | | | | <5 |
| 10 | | | | | | | <5 |
| 11 | | | | | | | 15 |



CHARGE \$ 50.00

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

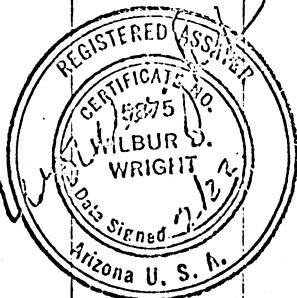
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldfies Trail
Tucson, Arizona

JOB# 002132
RECEIVED 2-21-68
REPORTED 2-22-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-------------------|
| DH-DDH 2: | | | | | | | |
| # 1 | | | | | | | 40 |
| 2 | | | | | | | 30 |
| 3 | | | | | | | < 5 |
| 4 | | | | | | | < 5 |
| 5 | | | | | | | 10 |
| 6 | | | | | | | < 5 |
| 7 | | | | | | | 10 |
| 8 | | | | | | | 15 |
| 9 | | | | | | | 60 |
| 10 | | | | | | | 15 |
| 11 | | | | | | | 10 |
| 12 | | | | | | | 10 |



OK J. S. Flint
Ken Lora 2/22/68

CHARGE \$ 30.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
W.L. WRIGHT
ARIZONA REG. NO. 5875

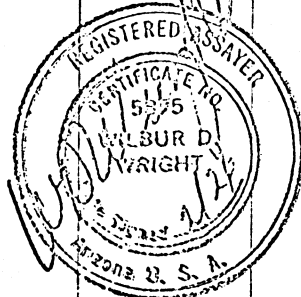
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4149 North Soldiers Trail
Tucson, Arizona

JOB # 002146
RECEIVED 2-23-68
REPORTED 2-26-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DH-DDH-2 | | | | | | | |
| # 13 | | | | 72 | | | 50 |
| 14 | | | | 44 | | | 10 |
| 15 | | | | 48 | | | 20 |
| 16 | | | | 52 | | | 25 |
| 17 | | | | 44 | | | 30 |
| 18 | | | | 56 | | | 40 |
| 19 | | | | 48 | | | 10 |
| 20 | | | | 52 | | | 70 |
| 21 | | | | 53 | | | 10 |



OK Depledge
Horton
3/25/68

\$ 31.50

✓ CHARGE

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

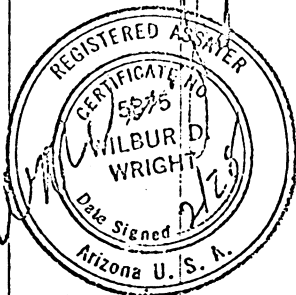
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5211

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002153
RECEIVED 2-25-68
REPORTED 2-23-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DH-DDH-2: | | | | | | | |
| # 22 | | | | 32 | | | 10 |
| 23 | | | | 28 | | | 5 |
| 24 | | | | 40 | | | 20 |
| 25 | | | | 96 | | | 50 |
| 26 | | | | 60 | | | 120 |
| 27 | | | | 64 | | | 150 |
| 28 | | | | 80 | | | 140 |
| 29 | | | | 64 | | | 110 |
| 30 | | | | 72 | | | 160 |
| 31 | | | | 56 | | | 90 |
| 32 | | | | 68 | | | 140 |
| 33 | | | | 56 | | | 70 |
| 34 | | | | 40 | | | 10 |
| 35 | | | | 40 | | | 15 |



OK 2976
Wright
3/25/68

CHARGE \$ 49.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL. WRIGHT
ARIZONA REG. NO. 5875

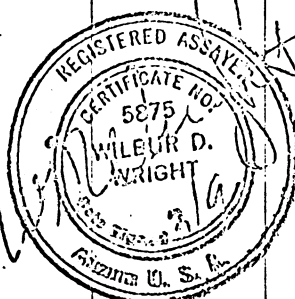
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Mister Frank Nelson
Freeport Exploration Company
Route 2 Box # 731 West Tucson, Arizona

JOB# 002191
RECEIVED 3-5-68
REPORTED 3-8-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DH-DDH-2 | | | | | | | |
| # 36 | | | | 120 | | | N.D. |
| 37 | | | | 68 | | | N.D. |
| 38 | | | | 72 | | | 20 |
| 39 | | | | 60 | | | 25 |
| 40 | | | | 72 | | | 10 |
| 41 | | | | 68 | | | 30 |
| 42 | | | | 56 | | | 5 |
| 43 | | | | 60 | | | N.D. |
| 44 | | | | 56 | | | N.D. |
| 45 | | | | 52 | | | N.D. |
| 46 | | | | 84 | | | N.D. |
| 47 | | | | 67 | | | N.D. |
| 48 | | | | 60 | | | N.D. |
| 49 | | | | 56 | | | N.D. |



Handwritten signature and date:
3/25/68

CHARGE \$ 56.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
Route 2 Box # 731 West
Tucson, Arizona

JOB# 002201
RECEIVED 3-7-63
REPORTED 3-11-63

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DH-DDH-2: | | | | | | | |
| # 50 | | | | 56 | | | 10 |
| 51 | | | | 44 | | | 15 |
| 52 | | | | 60 | | | 10 |
| 53 | | | | 52 | | | 10 |

CHARGE \$ 14.00

INVOICE

Hinton Prospect - DDH #2

| <u>Sample No.</u> | <u>Interval</u> | | <u>Mo ppm</u> | <u>Cu ppm</u> |
|-------------------|-----------------|-----------|---------------|---------------|
| | <u>From</u> | <u>To</u> | | |
| DDH-DDH-2 #1 | 0.0 | 10.0 | 40 | |
| 2 | 10.0 | 15.8 | 30 | |
| 3 | 15.8 | 20.8 | 45 | |
| 4 | 20.8 | 28.7 | 45 | |
| 5 | 28.7 | 36.0 | 10 | |
| 6 | 36.0 | 45.3 | 45 | |
| 7 | 46.0 | 75.0 | 10 | |
| 8 | 73.0 | 99.8 | 15 | |
| 9 | 99.8 | 109.9 | 60 | |
| 10 | 109.9 | 119.9 | 15 | |
| 11 | 119.9 | 130.1 | 10 | |
| 12 | 130.1 | 137.8 | 10 | |
| 13 | 153.0 | 164.0 | 50 | 72 |
| 14 | 164.0 | 173.0 | 10 | 44 |
| 15 | 173.0 | 179.2 | 20 | 48 |
| 16 | 179.2 | 184.9 | 25 | 52 |
| 17 | 195.9 | 205.7 | 30 | 44 |
| 18 | 205.7 | 215.5 | 56 | 40 |
| 19 | 232.0 | 242.0 | 48 | 10 |
| 20 | 242.0 | 252.0 | 52 | 70 |
| 21 | 272.1 | 280.0 | 53 | 10 |
| 22 | 292.5 | 306.0 | 10 | 32 |
| 23 | 324.1 | 334.4 | 5 | 28 |
| 24 | 354.0 | 363.0 | 20 | 40 |
| 25 | 378.0 | 381.0 | 50 | 96 |
| 26 | 381.0 | 387.5 | 120 | 60 |
| 27 | 387.5 | 392.8 | 150 | 64 |
| 28 | 392.8 | 398.0 | 140 | 80 |
| 29 | 398.0 | 406.0 | 110 | 64 |
| 30 | 406.0 | 416.0 | 160 | 72 |
| 31 | 416.0 | 426.0 | 90 | 56 |
| 32 | 426.0 | 436.0 | 140 | 68 |
| 33 | 436.0 | 448.0 | 70 | 56 |
| 34 | 448.0 | 456.0 | 10 | 40 |
| 35 | 465.0 | 475.0 | 15 | 40 |

| Sample No. | Interval | | Mo ppm | Cu ppm |
|------------|----------|-------|--------|--------|
| | From | To | | |
| # 36 | 484.0 | 494.2 | Nil | 120 |
| 37 | 504.0 | 514.0 | Nil | 68 |
| 38 | 524.7 | 534.5 | 20 | 72 |
| 39 | 534.5 | 538.1 | 25 | 60 |
| 40 | 538.1 | 546.0 | 10 | 72 |
| 41 | 556.0 | 566.0 | 30 | 68 |
| 42 | 576.0 | 586.0 | 5 | 56 |
| 43 | 606.0 | 616.0 | Nil | 60 |
| 44 | 634.7 | 644.7 | Nil | 56 |
| 45 | 662.0 | 670.4 | Nil | 52 |
| 46 | 689.0 | 699.0 | Nil | 84 |
| 47 | 710.0 | 719.0 | Nil | 87 |
| 48 | 735.1 | 745.0 | Nil | 60 |
| 49 | 764.5 | 775.0 | Nil | 56 |
| 50 | 795.0 | 804.0 | | |
| 51 | 816.0 | 826.0 | | |
| 52 | 836.0 | 846.0 | | |
| 53 | 856.0 | 863.0 | | |

Bottom of hole - 863. feet

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Route 2 Box # 731 West
Tucson, Arizona

JOB # 002240
RECEIVED 3-14-68
REPORTED 3-20-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DM-DDH-3: | | | | | | | |
| # 1 | | | | 36 | | | < 5 |
| 2 | | | | 92 | | | 10 |
| 3 | | | | 152 | | | < 5 |
| 4 | | | | 132 | | | 5 |
| 5 | | | | 140 | | | 20 |
| 6 | | | | 188 | | | 260 |
| 7 | | | | 192 | | | 340 |
| 8 | | | | 172 | | | < 5 |
| 9 | | | | 48 | | | N.D. |
| 10 | | | | 44 | | | 55 |
| 11 | | | | 32 | | | 70 |
| 12 | | | | 24 | | | ≤ 5 |
| 13 | | | | 24 | | | < 5 |



CHARGE \$ 45.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

Ok *John Flint*
(Hinton) 3-20-68

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 1 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

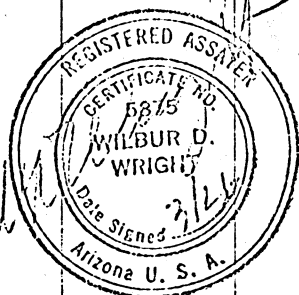
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Route 2 Box # 731 West
Tucson, Arizona

JOB # 002265
RECEIVED 3-21-68
REPORTED 3-25-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER % | ZINC % | | MOLYBDENUM % |
|------------------|--------------|----------------|-----------|-------------|-----------|--|-----------------|
| DE-DDH-3: | | | | | | | |
| # 14 | | | | 40 | | | 50 |
| 15 | | | | 32 | | | 30 |
| 16 | | | | 24 | | | 85 |
| 17 | | | | 40 | | | 100 |
| 18 | | | | 24 | | | 20 |
| 19 | | | | 32 | | | 10 |
| 20 | | | | 33 | | | 5 |
| 21 | | | | 41 | | | 165 |
| 22 | | | | 34 | | | 35 |
| 23 | | | | 16 | | | 80 |
| 24 | | | | 24 | | | 5 |
| 25 | | | | 24 | | | 5 |
| 26 | | | | 33 | | | 10 |
| 27 | | | | 32 | | | 20 |
| 28 | | | | 23 | | | 100 |
| 29 | | | | 40 | | | 50 |
| 30 | | | | 32 | | | 15 |
| 31 | | | | 16 | | | 30 |
| 32 | | | | 32 | | | 30 |
| 33 | | | | 34 | | | 10 |



*OK for payment
Charge Wilbur Wright, Ariz.
4-1-68 [Signature]*

CHARGE \$ 70.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

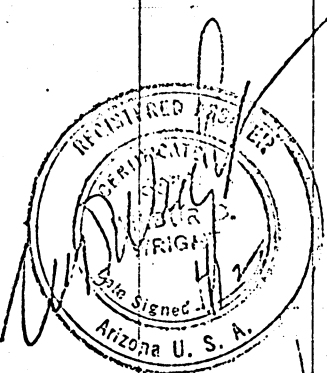
FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB# 002306
RECEIVED 3-29-68
REPORTED 4-2-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|--|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DD DDH-3: | | | | | | | |
| # 34 | | | | 84 | | | 10 |
| 35 | | | | 48 | | | < 5 |
| 36 | | | | 52 | | | < 5 |
| 37 | | | | 40 | | | 30 |
| 38 | | | | 24 | | | 5 |
| 39 | | | | 16 | | | < 5 |
| SW-40 | | | | 80 | | | 85 |
|  <p style="font-size: 2em; transform: rotate(-15deg); display: inline-block;">OK - paying - to the Company - 12-1-68 AM 12-1-68</p> | | | | | | | |

CHARGE \$ 24.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

APR 24 1968

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

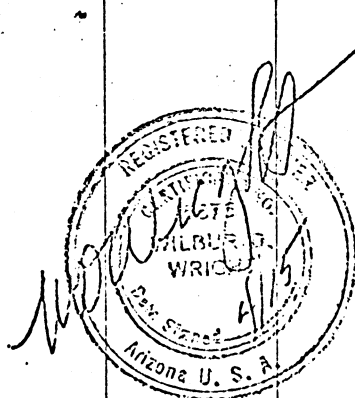
710 E. EVANS BLVD.
PHONE 602-294-5311

Freeport Exploration Company
4249 North Soldiers Trail
Tucson, Arizona

JOB # 002375
RECEIVED 4-12-68
REPORTED 4-15-68

| SAMPLE NUMBER | GOLD OZ.* | SILVER OZ.* | LEAD % | COPPER ppm | ZINC % | | MOLYBDENUM ppm |
|------------------|--------------|----------------|-----------|---------------|-----------|--|-------------------|
| DH:DDH#3: | | | | | | | |
| # 40 | | | | 480 | | | < 5 |
| 41 | | | | 44 | | | 5 |
| 42 | | | | 36 | | | N.D. |
| 43 | | | | 28 | | | N.D. |
| 44 | | | | 418 48 | | | 30 |
| 45 | | | | 47 | | | < 5 |
| 46 | | | | 40 | | | < 5 |
| 47 | | | | 20 | | | N.D. |

Note: No charge for the Coppers.



OK for payment
 Charge Hunter Mandy
 4-26-68

CHARGE \$ 20.00

INVOICE

Hinton Prospect - DDH - #3

APR 21 1966

FKW

CHS

JEB

DET

AL

BEK

BEK

GLC

7

2

2

4

5

15

1

3

5

36

92

152

132

140

188

192

172

48

44

32

24

24

Sample #

Interval

Mo ppm

Cal PPM

From To

D.D. - DDH-3

#

1

20 - 25

< 5

2

50 - 55

10

3

55 - 60

< 5

4

60 - 65

5

5

65 - 70

20

6

70 - 75

260

7

75 - 80

340

8

80 - 85

< 5

9

125 - 130

Nil

10

165 - 170

55

11

170 - 175

70

12

175 - 180

< 5

13

210 - 215

< 5

APR 1 1968

CMS

BER

AEP

WY

Hinton Prospect - DDH-3

| <u>Sample No.</u> DH- DDH-3 # | <u>Interval</u> | | <u>Mo ppm</u> | <u>Cu ppm</u> |
|-------------------------------------|-----------------|-----------|---------------|---------------|
| | <u>From</u> | <u>to</u> | | |
| 14 | 255 | 260 | 50 | 40 |
| 15 | 280 | 285 | 30 | 32 |
| 16 | 285 | 290 | 85 | 24 |
| 17 | 290 | 295 | 100 | 40 |
| 18 | 295 | 300 | 20 | 24 |
| 19 | 300 | 305 | 10 | 32 |
| 20 | 305 | 310 | 5 | 33 |
| 21 | 310 | 315 | 165 | 41 |
| 22 | 315 | 320 | 35 | 34 |
| 23 | 320 | 325 | 80 | 16 |
| 24 | 325 | 330 | 5 | 24 |
| 25 | 330 | 335 | 5 | 24 |
| 26 | 335 | 340 | 10 | 33 |
| 27 | 340 | 345 | 20 | 32 |
| 28 | 345 | 350 | 100 | 23 |
| 29 | 350 | 355 | 50 | 40 |
| 30 | 355 | 360 | 15 | 32 |
| 31 | 360 | 365 | 30 | 16 |
| 32 | 365 | 370 | 30 | 32 |
| 33 | 370 | 375 | 10 | 40 |

Hinton Prospect - DDH-3

| <u>Sample No</u> I. 4-DDH-3 # | <u>Interval</u> | | <u>Mo ppm</u> | <u>Cu ppm</u> |
|-------------------------------------|-----------------|-----------|---------------|---------------|
| | <u>From</u> | <u>To</u> | | |
| 34 | 385 | - 390 | 10 | 84 |
| 35 | 390 | - 395 | <5 | 48 |
| 36 | 435 | - 440 | <5 | 52 |
| 37 | 475 | - 480 | 30 | 40 |
| 38 | 490 | - 495 | 5 | 24 |
| 39 | 510 | - 515 | <5 | 16 |

Note:

Sample # SW-40:

| | |
|---------------|---------------|
| <u>Mo ppm</u> | <u>Cu ppm</u> |
| 85 | 80 |

This is a surface chip-sample taken in the extreme south-west corner of claim Chula #40. The rock is a highly sheared, iron-oxide stained granite, with rare, minute specks of visible MoS_2 . The extent of this altered and stained rock is hard to determine, as it only crops in the floor of a gully where erosion has reached it.

Hinton Ranch Prospect

| <u>Sample #</u> DH-DDH-3 | <u>Interval</u> | | <u>Mo ppm</u> | <u>Cu ppm</u> |
|-----------------------------|-----------------|-----------|---------------|---------------|
| | <u>From</u> | <u>To</u> | | |
| # 40 | 555 | 560 | < 5 | 480 |
| 41 | 625 | 630 | 5 | 44 |
| 42 | 655 | 660 | N.I | 36 |
| 43 | 700 | 705 | N.I | 28 |
| 44 | 725 | 730 | 30 | 48 |
| 45 | 755 | 760 | < 5 | 47 |
| 46 | 830 | 835 | < 5 | 40 |
| 47 | 890 | 900 | N.I | 20 |

(End of Hole - 900 feet.)

FREEPORT EXPLORATION COMPANY

MoS₂
FeS₂
FeO

DIAMOND DRILL RECORD
SCALE 1" = 10'

DIRECTION _____
INCLINATION Vertical
STARTED Jan 28, 1968
COMPLETED Feb. 7, 1968
DEPTH 419 feet
NOTES BY F. J. Nelson
HOLE NO. 1111
PROPERTY Union Pacific
LOCATION NE 1/4 Sec. 32
COLLAR COORD. N. _____ E. _____
COLLAR ELEV. 4225
SHEET 1 OF 5

| % CORE RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------------------|-----------------------|----------|--|---------|--------|--|---|
| | MoS ₂ % | FeS ₂ % | FeO % | | | | | |
| | 0.275 | | | | 0.0 | | Very abund. MoS ₂ | <p>"Granite Porphyry" - white to pink felds. phen. set in v. fine andms. rare biot. Very abund disseminated MoS₂ FeS₂. Felds. Fresh Glassy.</p> |
| | 40 | | | | 8.0 | | Granite weathered | |
| | 20 | | | | 12.8 | | Rare speck FeS ₂ MoS ₂ | |
| | | | | | 21.7 | | | |
| | 5 | | | | 26.5 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | 46.8 | | | <p>Biotite Granite - mainly equigran; grades loc. to porphyritic; mostly fresh, some minor silicif; rare to no FeS₂ below 15'; few narrow aplitic dikes.</p> |
| | 10 | | | | 50.0 | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | 68.0 | | | |
| | <5 | | | | 72.7 | | | |
| | | | | | | | | |
| | | | | | | | Aplitic dike, minor FeS ₂ | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. 1011 /
INCLINATION _____ PROPERTY Union
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 2 OF 5

| % CORE RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES 90' | GENERALIZED NOTES |
|----------------|--------|-----|--|--|---------|--------|--|---|
| | Mo | PTN | | | | | | |
| | | | | | 92.2 | | | |
| | <5 | | | | 94.6 | | | |
| | <5 | | | | 99.2 | | | |
| | Nil | | | | | | | Egularan. Biotite Granite (as above) |
| | | | | | 109.2 | | | |
| | <5 | | | | | | strong shearing at contact | 112.0 |
| | | | | | 116.0 | | | |
| | | | | | | | | |
| | | | | | 134.8 | | | |
| | 5 | | | | | | V. st. shearing - random many slicks and chlorite serpentine seams; clots and schlieren of mafics; abund. red FeO | Porphyritic Biotite Granite - numerous large zoned K-Spar Phens, pink to white, in matrix of fine to med. gr. felds + qtz.; v. wk. to rare FeS ₂ , wk FeSO ₄ ; |
| | | | | | 144.8 | | | |
| | | | | | | | | |
| | | | | | 166.0 | | | |
| | Nil | | | | | | shears less common than above. Felds highly alt'd - hard white to chalky - clotted mafics (secondary biotite?) Some chlor. + serpentine | |
| | | | | | 172.4 | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. 1071-1
INCLINATION _____ PROPERTY Hunter
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 3 OF 5

| % CORE RECOVERED | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|---------------------|--------|----|----|-------|---------|--------|---|-------------------|
| | Mo | Si | Fe | Other | | | | |
| | 17.1 | | | | | | 180' as above | |
| | | | | | 191.4 | | | |
| | N.I. | | | | 199.5 | | | |
| | | | | | | | Intense shearing; very fine close seams; cut indiv. min. grains; chlor and SERP. V. abund; mafics in schlieren; some flooding by pink K-Spar. rare FeS ₂ | |
| | | | | | 218.0 | | | |
| | N.I. | | | | 222.0 | | | |
| | | | | | | | | |
| | | | | | 231.5 | | | |
| | N.I. | | | | 236.0 | | | |
| | | | | | | | 239.5 NX BX | |
| | | | | | | | Felds fresh glassy, biotite bright Tr. FeS ₂ | |
| | | | | | 257.0 | | | |
| | 10 | | | | | | | |
| | | | | | 266.0 | | | |
| | | | | | | | V. intense shearing | |

Porphyritic Biotite Granite (as above)

FREEMPORT EXPLORATION
COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-1
INCLINATION _____ PROPERTY Hunter
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 4 OF 5

| % CORE RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|--------|----|--|--|---------|--------|--|-------------------|
| | Mo | MM | | | | | | |
| | | | | | | | very intense shearing | |
| | | | | | | | Fresh to weakly clay- alt. felds. | |
| | | | | | 299.0 | | | |
| | 5 | | | | 293.0 | | | |
| | | | | | | | | |
| | | | | | 304.7 | | | |
| | <5 | | | | 312.1 | | Felds. gen. fresh; loc. chalky. Biot loc. chlor. Rare to trace FeSz. | |
| | | | | | | | | |
| | | | | | 332.2 | | | |
| | <5 | | | | 340.0 | | | |
| | | | | | | | | |
| | | | | | 358.4 | | locally struct sheared | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD SCALE _____

DIRECTION _____ HOLE NO. DDH-1
 INCLINATION Vertical PROPERTY Hinton Pass
 STARTED Jan 24 1968 LOCATION Graham Co. Arizona
 COMPLETED Feb 7, 1968 COLLAR COORD. N. _____ E. _____
 DEPTH 419 Feet COLLAR ELEV. ± 4225
 NOTES BY F.J. Nelson SHEET 5 OF 5

| % CORE RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|--|--|---------|--------|--|---|
| | Mo ppm | | | | | | |
| | | | | | | 360' | |
| | 5 | | | | | Aplite dike | |
| | | | | 367.0 | | Aplite dike | |
| | 25 | | | | | Occas. rare speck MoS ₂ , Py | |
| | | | | 377.0 | | | |
| | 25 | | | | | Aplite dike | |
| | | | | 382.0 | | | |
| | 10 | | | | | Locally strongly sheared. Chlorite and serpentine abundant in sheared zones. Feldspars mainly hard white or chalky. | |
| | | | | 392.0 | | | |
| | | | | | | rare FeS ₂ No MoS ₂ visible | |
| | | | | 412.0 | | | |
| | Nil | | | | | | |
| | | | | 419.0 | | | |
| | | | | | | | End of hole - 419 Feet Feb. 7, 1968 F.J. Nelson |

Porphyritic Biotite Granite (as above)

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE 1" = 10'

DIRECTION Vertical HOLE NO. D-111
INCLINATION Vertical PROPERTY Freeport, Inc.
STARTED Feb 7, 1968 LOCATION NW 1/4 Sec 57
COMPLETED Mar 4, 1968 COLLAR COORD. N. E.
DEPTH 863 feet COLLAR ELEV. 917.5'
NOTES BY F. J. Nelson SHEET 1 OF 10

| RE COR'D | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-------------|-----------|-----------|--|---------|--------|--|---|
| | Mo PPM | Cu PPM | | | | | |
| | 40 | | | 10.0 | | Strong FeO staining / v. minor Mo oxides (Chematite, Goethite) | "Porphyry" - Pink to white orth Phens set in matrix of sugary, fine-grained, Qtz and felds. Abund "clots" of greenish epidote and poss. tourmaline. Dissen. FeS ₂ generally abundant. Rare, minute specks MoS ₂ . Biotite essentially absent. Patchy silicification - generally the feldspars are hard, white. (Calbitized?) |
| | 30 | | | 15.8 | | mottled patches FeO | |
| | <5 | | | 20.8 | | 5" aplite dike | |
| | <5 | | | 28.7 | | abrupt contact, approx 70° to core axis. | 19.0' "Biotite Granite" - medium grained, equigranular, abundant fresh black biotite books, interlocked quartz and orthoclase. Moderate to locally weak Fe ₂ O ₃ . Rare to trace FeS ₂ , except in a few scattered patches |
| | 10 | | | 36.0 | | | |
| | <5 | | | 45.3 | | | |
| | | | | | | mod. abund. FeS ₂ | |
| | 10 | | | 76.0 | | Abundant steep fractures with specularite coated, slickensided faces. | |
| | | | | 75.0 | | | |
| | | | | | | obscured | 58.0' Very highly altered - texture and composition obscured |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Clinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 2 OF 10

| % CORE RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|-----------|--|--|---------|--------|--|---|
| | Mo PPH | Cu PPH | | | | | | |
| | | | | | | | 90' | |
| | | | | | 93.0 | | Some smeared chlorite, Few thin shears | Very fine-grained, sugary, white, highly altered by clay and schistite; some granular quartz. Trace FeS ₂ |
| | 15 | | | | | | Very fine grained, "aplitic" | |
| | | | | | 99.8 | | | |
| | 60 | | | | | | Few small grains MoS ₂ Trace CuFeS ₂ | |
| | | | | | 103.8 | | | |
| | 15 | | | | | | weak MoS ₂ | |
| | | | | | 119.9 | | | "Biotite Granite" - variably textured. Generally medium grained equigranular grading into zones more porphyritic and locally to fine-grained "aplitic" textures. MoS ₂ generally rare - locally mod-st in clusters of minute grains and rosettes. The MoS ₂ usually occurs in zones where the fresh black biotite is absent or considerably less abundant. Magnetite is very common and Pyrite erratic - from abundant to v. weak. Alteration is weak - mostly bleaching of biotite and some clay alt. of feldspars. |
| | 10 | | | | | | | |
| | | | | | 130.1 | | | |
| | 10 | | | | | | | |
| | | | | | 137.8 | | | |
| | | | | | | | Strong, fine-grained MoS ₂ . Very strong- FeS ₂ in large clots | |
| | | | | | 153.0 | | many spec.-coated shears | |
| | 50 | 72 | | | | | moderate MoS ₂ and FeS ₂ . | |
| | | | | | 164.0 | | | |
| | 10 | 44 | | | | | weak MoS ₂ | |
| | | | | | 173.0 | | | |
| | 20 | 48 | | | | | | |
| | | | | | 179.2 | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 3 OF 10

| HOLE RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------------|-----------|-----------|--|---------|--------|--|------------------------------|
| | Mo PPM | Cu PPM | | | | | |
| | 25 | 52 | | 184.9 | | 180' | |
| | | | | 195.0 | | Arkite dike | |
| | 30 | 44 | | 205.1 | | | |
| | 56 | 40 | | 215.5 | | Mod. MoS ₂ , Tr. CuFeS ₂ | |
| | | | | | | silicified zone | |
| | | | | | | scattered discrete grains MoS ₂ | |
| | | | | 232.0 | | Silicified zone | |
| | 48 | 10 | | 242.0 | | 6" Patch of almost pure pink orthoclase. | |
| | 52 | 70 | | 252.0 | | Few large grains MoS ₂ | |
| | | | | | | | "Biotite Granite" (as above) |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. FDH-2
INCLINATION _____ PROPERTY Huntan
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 1 OF 10

| % CORE RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|-----------|--|--|---------|--------|--|---|
| | Mo PPM | Cu PPM | | | | | | |
| | | | | | 272.0 | | 270' - silicified zone | |
| | 53 | 10 | | | 280.0 | | | |
| | | | | | 297.5 | | | |
| | 10 | 32 | | | 306.0 | | | "Biotite Granite" (as above) Essentially barren - no MoS ₂ , rare FeS ₂ . magnetite still common. |
| | | | | | 324.1 | | Highly sheared zone, abundant chlorite, FeO | |
| | 5 | 28 | | | 334.4 | | | |
| | | | | | 351.0 | | Strong shears specularite coated Fine-grained aplite dike | Aplite |
| | 20 | 40 | | | | | | Texture obscured - mostly pinkish orthoclase + biotite |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-7
INCLINATION _____ PROPERTY Fluor
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 5 OF 10

| % CORE REC'D | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|-----------------|-----------|-----------|--|---------|--------|------------------|--|
| | Pb PPM | Cu PPM | | | | | |
| | | | | | | 360' | |
| | | | | 363.0 | | | "Biotite Granite" (as above) |
| | | | | | | 365' | |
| | | | | | | | "Granodiorite" - Fine grained; dark grey; abund. shreddy biotite; very little to no quartz. Feldspars appear to be mostly plagioclase. Trace MoS ₂ , FeS ₂ . Few short intervals of biotite granite. |
| | | | | 378.0 | | | |
| | 50 | 96 | | 381.0 | | | |
| | 120 | 60 | | | | Few steep shears | |
| | | | | 387.5 | | | |
| | 150 | 64 | | 392.8 | | | |
| | 140 | 80 | | 398.0 | | | |
| | | | | | | | Biotite Granite - texture and composition as above. FeS ₂ moderately abundant, persistent. MoS ₂ finely disseminated and in local clusters of grains. This interval appears to have more quartz than above. Magnetite common. Rock generally fresh - biotite bright black - feldspars glassy to locally weakly clay-sericite altered. Few minor patches of silicification. |
| | 110 | 64 | | 404.0 | | | |
| | | | | | | | |
| | 160 | 72 | | 416.0 | | | |
| | | | | | | | |
| | 90 | 56 | | 426.0 | | | |
| | | | | | | | |
| | 140 | 68 | | 436.0 | | | |
| | | | | | | | |
| | 70 | 56 | | | | | |
| | | | | 448.0 | | | MoS ₂ decreases FeS ₂ remains common |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 6 OF 10

| % CORE RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|-----------|--|---------|--------|--|---|
| | Mo PPM | Cu PPM | | | | | |
| | 10 | 40 | | 456.0 | | | |
| | | | | 465.0 | | | |
| | 15 | 40 | | 475.0 | | | "Granodiorite" (as above) |
| | | | | 489.0 | | | "Biotite Granite" (as above) Weak to trace FeS ₂ Rare speck to no MoS ₂ |
| | Nil | 120 | | 494.2 | | intensely sheared - Faces FeO stained | |
| | | | | 504.2 | | | "Granodiorite" (as above) |
| | Nil | 68 | | 514.0 | | | |
| | | | | 524.7 | | | |
| | 20 | 72 | | 534.5 | | | |
| | 25 | 60 | | 538.1 | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hinton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 7 OF 10

| % CORE RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|-----------|--|--|---------|--------|--|---|
| | Mo PPH | Cu PPH | | | | | | |
| | 10 | 72 | | | 546.0 | | 540' | |
| | | | | | 556.0 | | | |
| | 30 | 68 | | | 566.0 | | v. st. chlorite + FeO | |
| | | | | | 576.0 | | strong shearing. Abund FeO stain + specularite Some chlorite | |
| | 5 | 56 | | | 586.0 | | | "Biotite Granite" (as above) very rare to no MoS ₂ very weak FeS ₂ , magnetite common |
| | | | | | 606.0 | | | |
| | Nil | 60 | | | 616.0 | | | |
| | | | | | | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Winter
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 8 OF 10

| % CORE RECU | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|-----------|--|---------|--------|--------------|--|
| | Mo PPM | Cu PPM | | | | | |
| | | | | 631.7 | | 630' | Biotite Granite (as above) Fresh, barren, rare FeS ₂ , no MoS ₂ |
| | Nil | 56 | | 649.7 | | | |
| | | | | 662.0 | | | |
| | Nil | 52 | | 679.4 | | | |
| | | | | 687.0 | | | |
| | Nil | 84 | | 699.0 | | | |
| | | | | 710.0 | | | |
| | Nil | 68 | | 719.0 | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-2
INCLINATION _____ PROPERTY Hinter
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 9 OF 10

| % RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------|-----------|-----------|--|---------|--------|--------------|-------------------|
| | Mo PPM | Cu PPM | | | | | |
| | | | | | | 720' | |
| | | | | | | | |
| | Nil | 60 | | 735.0 | | | |
| | | | | | | | |
| | | | | 745.0 | | | |
| | | | | | | | |
| | | | | 764.5 | | | |
| | Nil | 64 | | | | | |
| | | | | 775.0 | | | |
| | | | | | | | |
| | | | | 795.0 | | | |
| | | | | | | | |
| | | | | 801.0 | | | |
| | | | | | | | |

Biotite Granite (as above)
Fresh, essentially barren
minor shears w. FeO stain

Few specks MoS₂

FREEPORT EXPLORATION
COMPANY

DIAMOND-DRILL RECORD
SCALE 1" = 10'

DIRECTION Vertical HOLE NO. DDH-2
INCLINATION Vertical PROPERTY Indian Prospects, Arizona
STARTED Feb. 7, 1965 LOCATION NW 1/4 Chula 57
COMPLETED Mar 4, 1965 COLLAR COORD. N. _____ E. _____
DEPTH 86.3 Feet COLLAR ELEV. #4175'
NOTES BY F.J. Nelson SHEET 10 OF 10

| % CORE RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|-----------|--|--|---------|--------|--|--|
| | Mo PPM | Cu PPM | | | | | | |
| | | | | | 816.0 | | | |
| | | | | | 826.0 | | minute specks MoS ₂ | |
| | | | | | 836.0 | | | |
| | | | | | 846.0 | | Few specks MoS ₂ weak FeS ₂ | |
| | | | | | 856.0 | | | |
| | | | | | 863.0 | | | |
| | | | | | | | | Bottom of hole - 863 feet Mar. 4, 1968 F.J. Nelson |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE 1" = 10'

DIRECTION _____ HOLE NO. 1001-1
INCLINATION Vertical PROPERTY Freeport McMoan
STARTED 6 March 1968 LOCATION 1140 Canyon Chula 57
COMPLETED 11 April 1968 COLLAR COORD. N. _____ E. _____
DEPTH 900 feet COLLAR ELEV. 4150'
NOTES BY F.J. Nelson SHEET 1 OF 10

| % RECD | ASSAYS | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------|--------|--------|---------|--------|---|---|
| | Mo PPM | Cu PPM | | | | |
| | | | | | | |
| | | | 20 | | | |
| | 45 | 36 | 25 | | | |
| | | | | | Rare to no MoS ₂ V. WK FeS ₂ . Occas. shear zones w. Serpentine Felds. Gen. Fresh | Porphyritic Biotite Granite: some intervals more equigranular; texture variably, subtly changes from med. to fine to loc. coarse grained; Numerous large orth. Phens, commonly zoned; quartz 5-10%, abund. biotite, occas. kinked; few narrow dikes of aplite. |
| | | | 50 | | | |
| | 10 | 92 | 55 | | MoS flakes visible | |
| | 45 | 152 | 60 | | | |
| | 5 | 132 | 65 | | | |
| | 20 | 140 | 70 | | | |
| | 260 | 183 | 75 | | Moderate MoS ₂ as flakes rosettes and smears on minor fract. Mod. FeS ₂ , tr CuFeS ₂ . | |
| | 390 | 192 | 80 | | | |
| | 45 | 172 | 85 | | | |

FREEPORT EXPLORATION
COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-3
INCLINATION _____ PROPERTY Union
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 3 OF 10

| CORE RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------------|-----------|-----------|--|---------|--------|--|--|
| | Mo PPM | Cu PPM | | | | | |
| | | | | | | | |
| | | | | 210 | | | |
| | 45 | 24 | | 215 | | Very rare specks MoS ₂ , FeS ₂ . Rock Generally "fresh". | Porphyritic Biotite Granite (as above) |
| | | | | | | | |
| | | | | 255 | | | |
| | 50 | 40 | | 260 | | Moderate to locally v. st. shearing. Some silicification. mafics commonly in smeared clots. MoS ₂ , FeS ₂ occurs in shears. | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-3
INCLINATION _____ PROPERTY Freeport
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 4 OF 10

| % COPE FeO | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|---------------|-----------|-----------|--|---------|--------|---|---|
| | Mo PPM | Cu PPM | | | | | |
| | | | | 280 | | <p>Weak to loc. mod. MoS₂ as dissem. flakes, rosettes and smears on sheared fractures. Some CuFeS₂ as crystalline grains. Abund. FeS₂. Rock mostly sheared highly alt, abund chlorite and serpentine. Feldspars alt. - some patchy silicification - mafics in "schlieren".</p> | <p>Porphyritic Biotite Granite (as above)</p> |
| | 30 | 32 | | 285 | | | |
| | 85 | 24 | | 290 | | | |
| | 100 | 40 | | 295 | | | |
| | 20 | 24 | | 300 | | | |
| | 10 | 32 | | 305 | | | |
| | 5 | 33 | | 310 | | | |
| | 165 | 41 | | 315 | | | |
| | 35 | 34 | | 320 | | | |
| | 80 | 16 | | 325 | | | |
| | 5 | 24 | | 330 | | | |
| | 5 | 24 | | 335 | | | |
| | 10 | 33 | | 340 | | | |
| | 20 | 32 | | 345 | | | |
| | 100 | 23 | | 350 | | | |
| | 50 | 40 | | 355 | | | |
| | 15 | 32 | | | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH 3
INCLINATION _____ PROPERTY Hutton
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 5 OF 10

| % CODE RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|-----------|--|---------|--------|---|--|
| | Mo PPM | Cu PPM | | | | | |
| | 30 | 16 | | 365 | | Strongly sheared (as above) | Porphyritic Biotite Granite (as above) |
| | 30 | 32 | | 370 | | | |
| | 10 | 34 | | 375 | | | |
| | | | | 385 | | | |
| | 10 | 84 | | 390 | | Generally sound Felds Fresh, biotite chloritized, V. wk FeS ₂ , no visible MoS ₂ | |
| | 45 | 48 | | 395 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | 435 | | | |
| | 45 | 52 | | 440 | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH 13
INCLINATION _____ PROPERTY Hunt
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY F. J. Nelson SHEET 6 OF 10

| % CORE RECD | ASSAYS | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|----------------|-----------|-----------|--|---------|--------|---|--|
| | Mo PPM | Cu PPM | | | | | |
| | | | | | | 450' | |
| | | | | | | Generally sound (as above) Rare specks MoS ₂ , FeS ₂ . | Porphyritic Biotite Granite (as above) |
| | | | | | | 475 | |
| | 30 | 40 | | | | 480 | |
| | | | | | | 490 | |
| | 5 | 24 | | | | 495 | |
| | | | | | | Intense shearing | |
| | | | | | | 510 | |
| | 25 | 16 | | | | 515 | |
| | | | | | | Moderate shearing Rare FeS ₂ ; felds mostly "fresh" | Mainly equigranular biotite Granite Some porphyritic intervals. |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DDH-3
INCLINATION _____ PROPERTY FL 1517 621
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 7 OF 10

| RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|------|-----------|-----------|--|--|---------|--------|--|--|
| | Mo PPM | Cu PPM | | | | | | |
| | | | | | | | 540' | |
| | | | | | | | | Equigranular Biotite Granite Some intervals more porphyritic. |
| | | | | | 555 | | | |
| | 45 | 480 | | | 560 | | Scattered blebs of CuFeS_2 . | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | Very rare specks of MoS_2 . V. wk. FeS_2 | "Feldspathized Rock" - texture and composition obscured by intense alteration. Some kaolin and sericite. |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | 625 | | | |
| | 5 | 44 | | | 630 | | | |

FREEPORT EXPLORATION COMPANY

DIAMOND DRILL RECORD
SCALE _____

DIRECTION _____ HOLE NO. DD11-3
INCLINATION _____ PROPERTY Horizon
STARTED _____ LOCATION _____
COMPLETED _____ COLLAR COORD. N. _____ E. _____
DEPTH _____ COLLAR ELEV. _____
NOTES BY _____ SHEET 9 OF 10

| % RECD | ASSAYS | | | | SECTION | COLUMN | DETAIL NOTES | GENERALIZED NOTES |
|--------|--------|--------|--|--|---------|--------|---|---|
| | Mo PPM | Cu PPM | | | | | | |
| | | | | | 725 | | Strong clay-serc alt. No MoS ₂ ; rare FeS ₂ . | Biotite Granite - equigranular and Porphyritic (as above) |
| | 30 | 48 | | | 730 | | | |
| | | | | | | | "Fresh" feldspars and bright black biotite st. magnetite. | Dike of "dacite Porphyry"; Fresh; abund. Fe3O4 |
| | | | | | 755 | | | |
| | 45 | 47 | | | 760 | | Generally fresh, mafics in clots (secondary?) Few minor sheared zones. Rare MoS ₂ , FeS ₂ . | Porphyritic Biotite Granite (as above) |

COMPANY

DIAMOND DRILL RECORD

SCALE 1" = 10'

DIRECTION _____

INCLINATION *Vertical*

STARTED 6 Mar. '68

COMPLETED 11 Apr. '65

DEPTH 900 f.

NOTES BY F. J. Nelson

HOLE NO. DDH-3

PROPERTY Whelan Ranch

LOCATION 1146 Oak Street E2

COLLAR COORD. N 1107 E 1107COLLAR ELEV. $\pm 41.50'$

SHEET 10 OF 10

[illegible]

FEB 20 1968

Diamond Drill Hole #1 area - Geochemical Sampling

Hinton Moly Prospect

Scale 1" = 20'

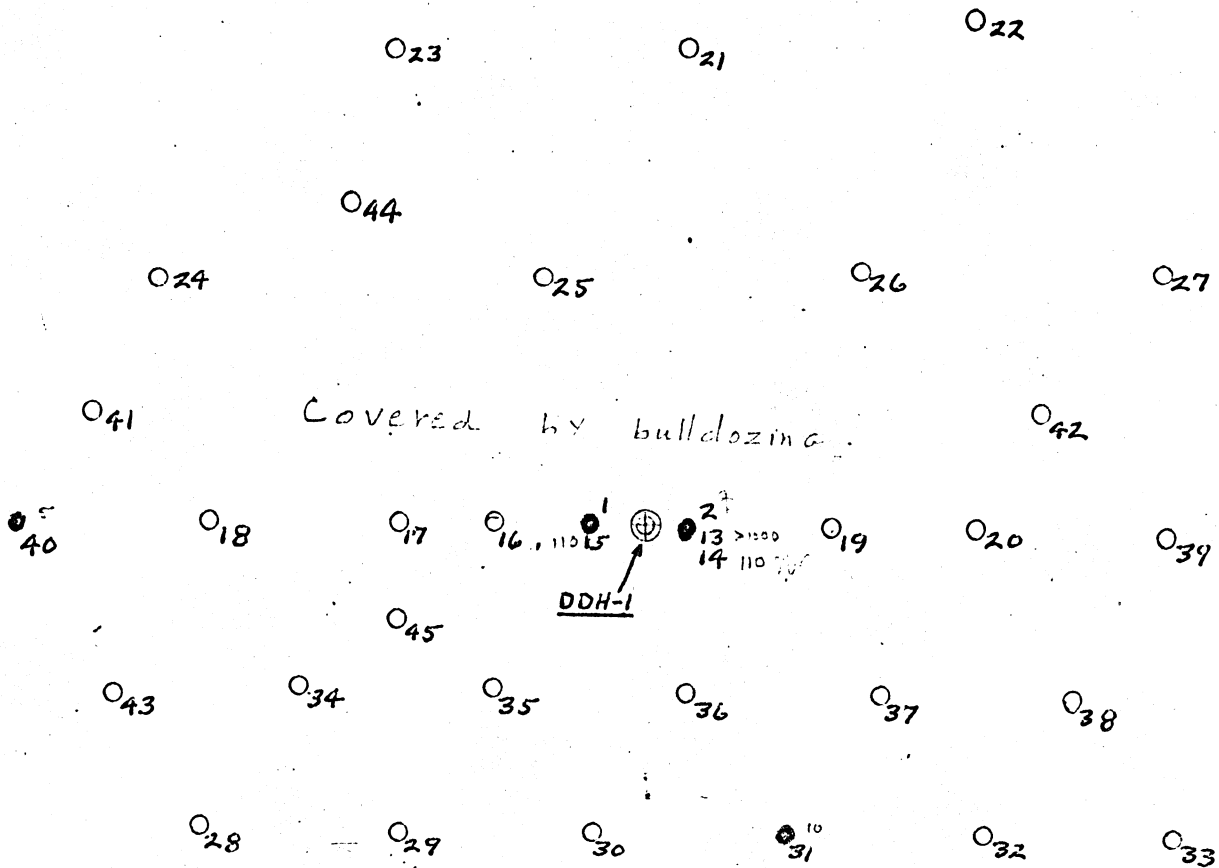
~~CHS~~

~~DE~~

~~GLC~~

Copied for

C.F.



Covered by bulldozing

DDH-1

Mo
○ < 5 PPM

● 5-100 "

⊗ > 100 "

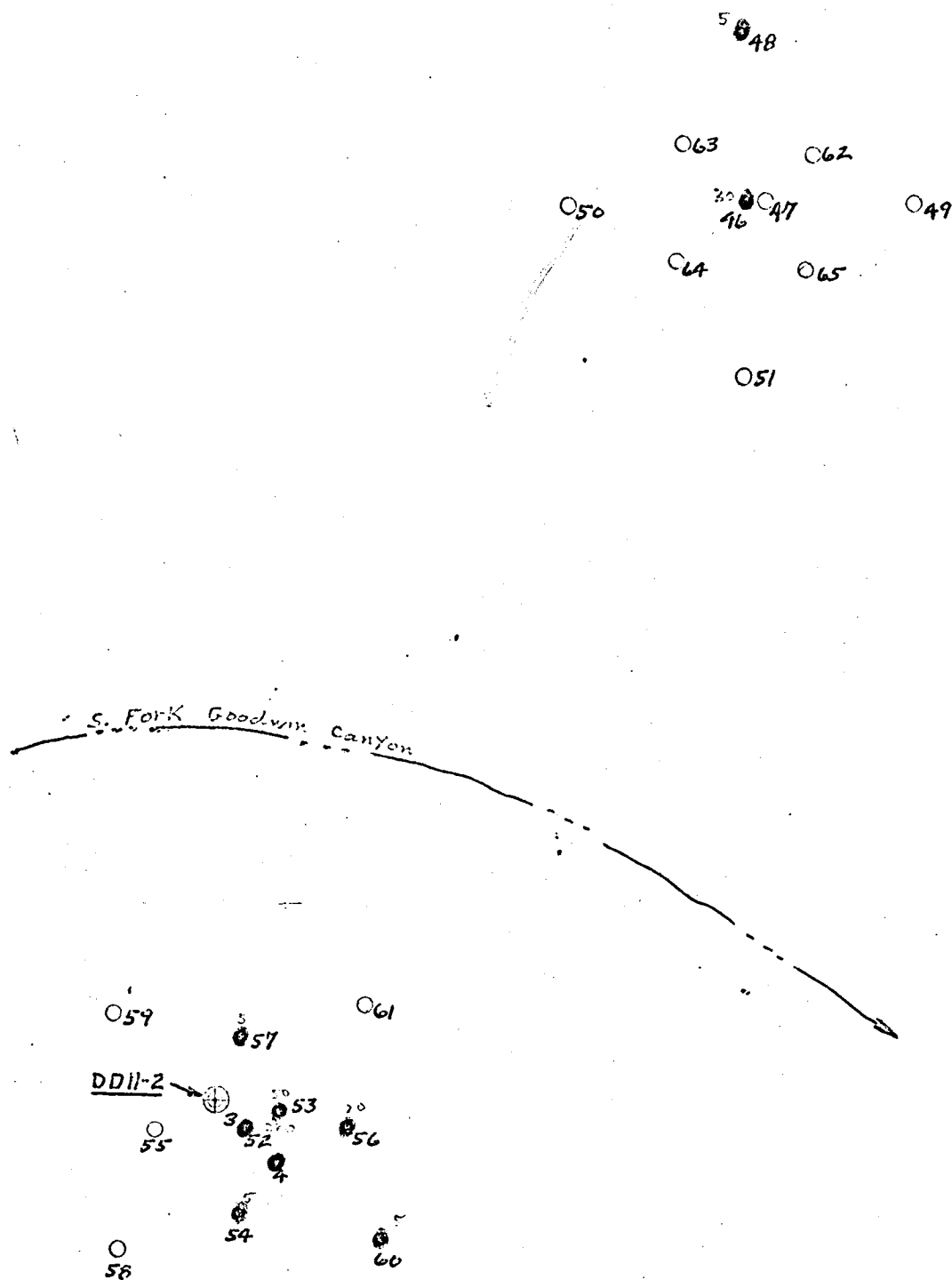
"Discovery Knoll"

(Sample numbers in black ink)

Diamond Drill Hole #2 area - Geochemical Sampling

Hinton Moly Prospect

Scale 1" = 50'



Mo
○ < 5 PPM
● 5-100 "
● > 100 "

South Fork Goodwin Canyon
N.W. corner "Chula" #59
(Sample Numbers in black ink)