

# ASSESSMENT REPORTS

WHITEHORSE M.D.

**MAP No.** 105 K 6 **TYPE OF WORK:** DIAMOND DRILLING

091610

|                           |                                 |          |                                      |
|---------------------------|---------------------------------|----------|--------------------------------------|
| <b>REPORT FILED UNDER</b> | Cyprus Anvil Mining Corporation |          |                                      |
| <b>DATE PERFORMED</b>     | March 20 - April 12, 1984       |          | <b>DATE FILED:</b> February 11, 1985 |
| <b>LOCATION -</b>         | <b>LAT.</b>                     | 62°22'N  |                                      |
|                           | <b>LONG.</b>                    | 133°23'W |                                      |
| <b>CLAIM Nos.</b>         | FARO 40                         | 92226    |                                      |
|                           | FARO 66                         | 92354    |                                      |
|                           |                                 |          |                                      |
|                           |                                 |          |                                      |
| <b>WORK DONE BY</b>       | R.S. Tolbert                    |          |                                      |
| <b>WORK DONE FOR</b>      | Cyprus Anvil Mining Corporation |          |                                      |
| <b>REMARKS</b>            |                                 |          |                                      |
| <b>091610</b>             |                                 |          |                                      |
|                           |                                 |          |                                      |
|                           |                                 |          |                                      |
|                           |                                 |          |                                      |
|                           |                                 |          |                                      |

Diamond drilling during 1984 consisted of 1050m of NQ drilling in four vertical holes testing a (3,443 Pt) southwesterly extension of the main FARO ore body. One 107m vertical hole was also drilled to define ore reserves in FARO ZONE III.

Using a 4% combined lead-zinc cutoff the following proven and possible geological reserves have been added to the southwest of FARO Zone III.

FROM: Mining Recorder at ..... WHITEHORSE .....

Date Fwd. 21/2/85

091610

TO: Regional Manager, Mineral Rights at Whitehorse, Y.T.

FOR ACTION ARE:

☐ NEW APPL'N for PLACER LEASE to PROSPECT : Name:

☐ RENEWAL APPL'N PLACER LEASE to PROSPECT: Name:

☐ AFFIDAVIT of EXPENDITURE on PLACER LEASE. Name:

☐ SECURITY DEPOSIT

☐ FINANCIAL ABILITY

☐ ASSIGNMENT of PLACER LEASE No. ....

From:

To:

☐ GROUPING APPL'N UNDER SEC.52(2) PLACER MINING ACT.

Owner:

☒ DIAMOND DRILL LOGS: (for your information only)

Claims: FARO 62, 66

Claim sheet no: 105-K-6

☐ QUARTZ ASSESSMENT REPORT:

Claims:

Claim sheet no:

Type of report:

Submitted by:

Cls. work performed on

§ Req. for ren. application

Signature 

REPLY ACTION.

Date Ret.

Canada

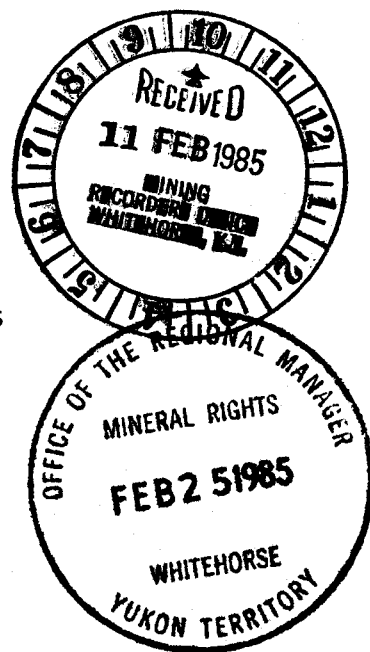
Signature

Cyprus Anvil Mining Corporation

P.O. Box 1000  
Faro Yukon Territory  
Canada Y0B 1K0  
Telephone (403-994-2600)

Telex 036-8-208

Assessment Report On  
Diamond Drilling Carried  
Out On The Faro 40 And Faro 66 Quartz Claims  
Grant Number 92226 and 92354 Respectively



N.T.S.: 105K-6  
Mining District: Whitehorse  
Longitude: 133° 23' East  
Latitude: 62° 22' North  
Dates of work: March 20 - May 3, 1984 and June 28 - July 18, 1984  
Owner: Cyprus Anvil Mining Corporation  
Report by: R.S. Tolbert  
Date: January 23, 1985

**091610**

**CYPRUS ANVIL**

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## FIGURES

### Following Page

- Figure 1 Map showing location of Faro 1
- Figure 2 Map showing location of Diamond Drill Holes 2  
83F-22, 84F-02, 84F-04 and 84F-09 on Faro  
66 Quartz Claim and Diamond Drill Hole  
84F-28 on Faro 40 Quartz Claim

## APPENDICES

|               |                                                              |
|---------------|--------------------------------------------------------------|
| Appendix I    | Description of Lithologic Units and Codes                    |
| Appendix II   | Diamond Drill Logs                                           |
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| Appendix V    | Statement of Expenditures on Faro 40 Quartz Claim            |
| Appendix VI   | Statement of Expenditures on Faro 66 Quartz Claim            |
| Appendix VII  | Statement of Qualifications                                  |
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## LOCATION AND ACCESS

The Faro 66 and Faro 40 Quartz Claims, Grant Nos. 92354 and 92226 respectively are located near Rose Creek, adjacent to the Faro mine 190 kilometers northeast of Whitehorse. The mine and claims are accessible via the mine access road 20 kilometers northwest of the town of Faro. (Figure 1).

## PURPOSE OF THE DRILLING PROGRAM

The diamond drilling of four holes - 83F-22, 84F-02, 84F-04 and 84F-09 on Faro 66 Quartz Claim totalling 3,443 feet (Figure 2) filed in this report for assessment and carried out between March 20 - April 12, 1984 was part of a program to explore for and determine the potential of a geologically inferred extension of the main Faro orebody to the southwest of the open pit area (Figure 2). All holes were drilled at  $-90^{\circ}$  inclination ( $180^{\circ}$  zenith).

The diamond drilling of 84F-28 on Faro 40 Quartz Claim totalling 350 feet (Figure 2), also filed in this report for assessment and carried out between June 28 and 30, 1984, was part of a program to better drill define ore reserves in Faro Zone III. No ore was intersected in this hole which was drilled at  $-90^{\circ}$  inclination ( $180^{\circ}$  zenith).

## DETAIL OF WORK

The diamond drilling was contracted to E. Caron Diamond Drilling Ltd., 7 Roundel Road, Whitehorse, Yukon. The drilling was carried out utilizing a Longyear Super 38 diesel drill retrieving NQ core. All drilling was carried out using mud circulation. The drill crew of four persons worked on 12 hour shifts from 7 am to 7 pm.

The drill crew was boarded at a trailer camp at the minesite with Cyprus Anvil providing fuel, power and water.

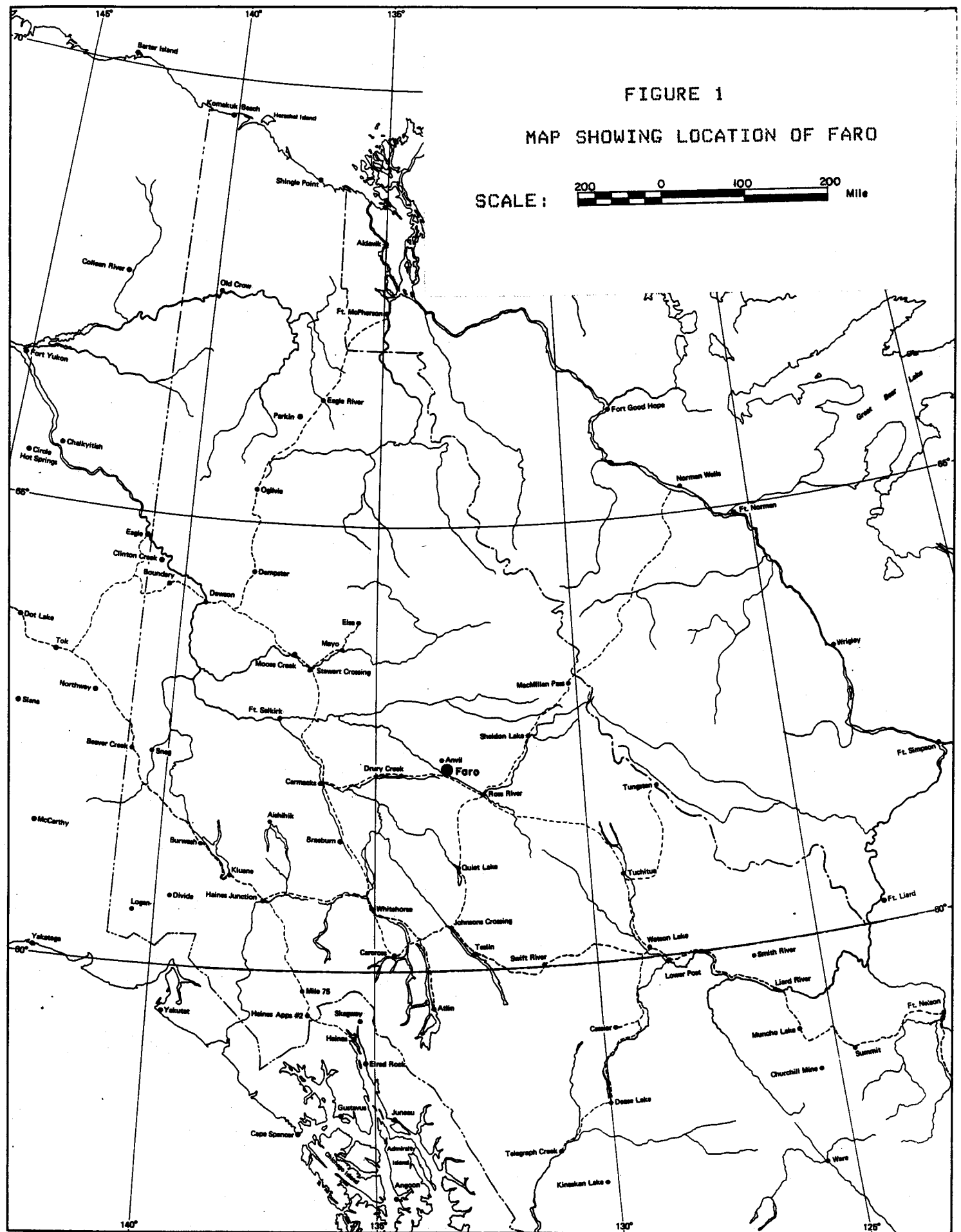
All fuel for the drills and water pumps were provided by and at the expense of Cyprus Anvil.

The moving of the drill and mud shack between holes and pad preparation was completed by a Komatsu 355A bulldozer owned, operated and at the expense of Cyprus Anvil.

The deviation of the drill holes from vertical was measured utilizing a Sperry Sun Single Shot Down Hole camera. These measurements are recorded in the Drill Logs Appendix II. This was completed by Cyprus Anvil.

The drill hole collars were also surveyed by Cyprus Anvil using Mine Grid Coordinates and elevations. The mine elevation is 109.24 feet higher than mean sea level elevation measurements.

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The core was logged and sawn at the minesite and is stored in coreshacks at the Faro minesite.

The ore intervals of the core were analyzed for S.G. (specific gravity), Cu, Pb, Zn, Ag, BaO, Mn, Fe(sol), Fe(insol.) at the Cyprus Anvil laboratory at the Faro minesite while gold was analyzed at Chemex Labs. Ltd., 212 Brooksbank Avenue, North Vancouver, B.C.

### CORE LOGGING

The core retrieved from the five drill holes was logged by Messrs. G. Lynch (Geologist), J. Keir and A. Chevalier (Mine Geologists) and R. Tolbert (District Geologist) between March 28 and April 6, 1984, May 1-3, 1984 and July 17-18, 1984.

The core was logged, using an alphanumeric computer compatible format to determine Lithology, Down Hole Structure (fold cleavages), Down Hole Faults (brittle deformation fabrics and discontinuities). This was entered into a drill hole database, verified and printouts were made of all drill hole data. This is reported for the five drill holes 83F-22, 84F-02, 84F-04, 84F-09 and 84F-28 in Appendix II.

### Lithologic Logging

The formations and units penetrated by drilling are in order of increasing depth as follows:

| <u>Age</u>           | <u>Formation</u> | <u>Unit</u> |
|----------------------|------------------|-------------|
| Cambro/Ordovician    | Vangorda         | 3           |
| Hadrynian/Cambrian ) | Mt. Mye          | 1           |
|                      | ) ore            | 2           |
|                      | ) Mt. Mye        | 1           |

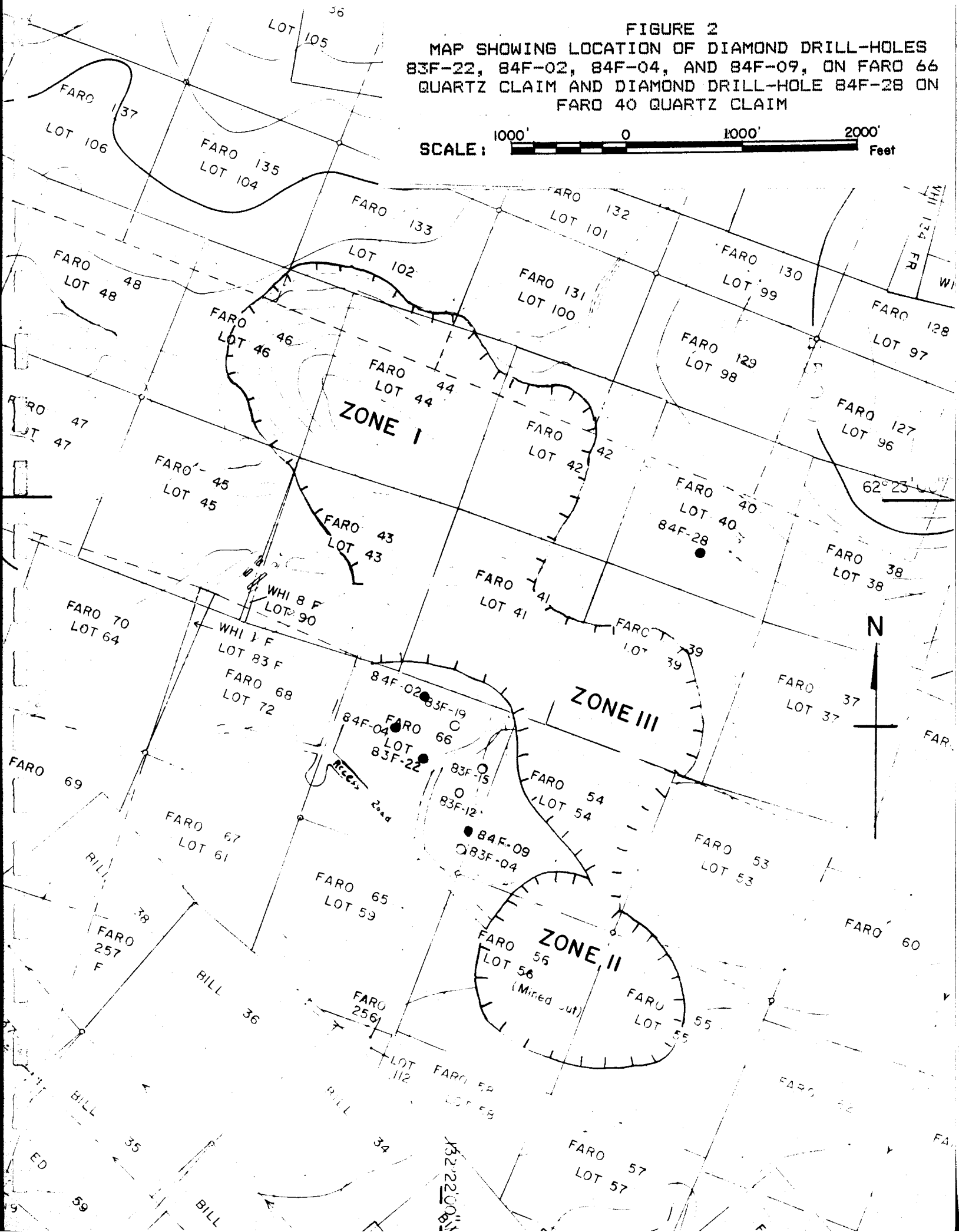
A detailed description of the lithologic units and alphanumeric modifiers is reported in Appendix I and a detailed description of the DOWN-HOLE LITHOLOGY logs of the five drill holes is reported in Appendix II.

### Structural Logging

The Down Hole Structure was also recorded in a computer comparable format. With reference to the drill hole logs in Appendix II it can be seen that either a zone measurement (F DEPTH to T DEPTH) or point measurement (T DEPTH) was recorded.

FIGURE 2  
 MAP SHOWING LOCATION OF DIAMOND DRILL-HOLES  
 83F-22, 84F-02, 84F-04, AND 84F-09, ON FARO 66  
 QUARTZ CLAIM AND DIAMOND DRILL-HOLE 84F-28 ON  
 FARO 40 QUARTZ CLAIM

SCALE: 1000' 0 1000' 2000' Feet



The features (FEAT) recorded were as follows:

| <u>FEAT</u> | <u>DESCRIPTION</u>                                                                                                      |
|-------------|-------------------------------------------------------------------------------------------------------------------------|
| PS 2        | Pervasive S2 foliation                                                                                                  |
| CS 2        | Crenulated S2. S2 foliation transposes, S0 and S1 foliation. Symmetry (SYMTRY) of transposed S1 is recorded.            |
| CS 4        | Crenulated S4 foliation which crenulates S0, S1, S2 foliation. Symmetry of S2 foliation with respect to S4 is recorded. |

The azimuth direction of S2 and S4 dips in the Faro mine area are an average 210° true and 220° true respectively as taken from surface measurements.

The latest deformation fabric (either S2 or S4 foliation in these drill holes) is termed the reference fabric element (R.F.E.) and its angle with respect to the core axis and its direction (either 210° or 220° as stated above) is recorded in the S2/S4 column of the DOWN HOLE STRUCTURE log of each drill hole (Appendix II).

All other fabrics are measured with respect to this R.F.E. The angle of the earlier fabric is measured with respect to the core axis and the direction is measured with respect to the appropriate R.F.E. by looking down the drilled direction of the core and measuring in a clockwise direction round the core the angle from the lowest point on the R.F.E. to the lowest point on the plane being measured. The ANGLE and DIRECTION (from 0-359) of this earlier fabric is recorded in the S1/S2 column.

In the case of these drill holes 83F-22, 84F-02, 84F-04, 84F-09 and 84F-28, it is S2 that is being measured with respect to R.F.E. S4 and recorded in the S1/S2 column of the DOWN HOLE STRUCTURE logs.

### Brittle Fabric Logging

The DOWN HOLE FAULT logs (Appendix II) records for each drill hole, in a similar manner to the DOWN HOLE STRUCTURE logs, zones or point measurements of discontinuities. The type of discontinuity is recorded in the feature (FEAT) column. The feature code is described in Appendix III.

The upper, lower or any internal plane of discontinuity, e.g. upper and lower fault surfaces, are recorded in a similar manner to the foliation surfaces in the DOWN HOLE STRUCTURE log.

The angle (0°-90°) of the discontinuity surface is measured with respect to the core axis and the direction (0-359°) is measured with respect to the nearest R.F.E.

A measurement of 99999 indicates the measured discontinuity is parallel in angle and direction to the R.F.E.

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## ASSAYING

### Sample Collection

The core within the ore zones was split according to ore type and in such a manner as to minimize samples exceeding five feet in length. The split out intervals of core were then sawn along their lengths into two equal halves. One half was retained in the core box and the second half was collected in a plastic bag and numbered. Assay markers were also placed in the core boxes. No ore was intersected in 84F-28.

A total of 41 samples were collected.

### Sample Preparation

The samples were individually dried then crushed to 1/2", rolled and riffled into two equal portions. One portion was airsealed and stored as a reject.

The second split portion was pulverized to -100 mesh, rolled and split. Five hundred grams were taken for assaying and the remaining pulp was stored.

Crushed and pulp rejects are stored at Faro minesite.

### Assaying Techniques

The analyses for Cu, Pb, Zn, Ag, soluble Fe, insoluble Fe, Mn, BaO, and Specific Gravity (S.G.) was carried out at the Cyprus Anvil laboratory at the Faro minesite.

The Cu, Pb, Zn, Ag, soluble Fe, insoluble Fe, and Mn were analyzed using Atomic Absorption. The BaO was analyzed using X-ray Fluorescence and the S.G. was measured using the Le Chatelier Flask technique.

Gold (Au) analyses was carried out by Chemex Labs. Ltd., 212 Brooksbank Avenue, North Vancouver, B.C. using Fire Assay with Atomic Absorption finish.

The assay results of the 41 samples analyzed are displayed in the ORE SAMPLES AND ASSAYS Logs in Appendix II. Soluble Fe is reported as Po and insoluble Fe as Py.

It is estimated that the analyses carried out by Cyprus Anvil cost \$70.50 per sample.

The invoice from Chemex Labs Ltd. for gold analyses is presented in Appendix IV.

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## PERSONNEL

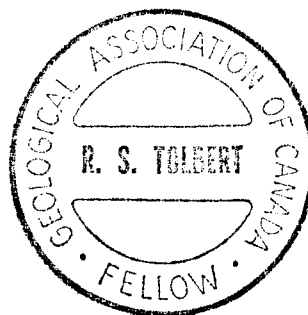
Down hole surveying and collar surveying of the diamond drill holes, hauling and sawing of the core was carried out by Mr. Carl Cureatz (Geological Technician) and Mr. Fintain Young (Core Splitter).

Logging of the core was carried out by Messrs. Greg Lynch (Geologist), Jim Keir and Alain Chevalier (Mine Geologists) and Robin Tolbert (District Geologist) who also supervised the program.

## EXPENDITURES

The total cost of drilling the 84F-28 diamond drill hole on the Faro 40 Quartz Claim, Grant Number 92226, is estimated at \$10,956.03 and is detailed in Appendix V.

The total cost of drilling the 84F-22, 84F-02, 84F-04 and 84F-09 diamond drill holes on the Faro 66 Quartz Claim, Grant Number 92354, is estimated at \$91,142.01 and is detailed in Appendix VI.



A handwritten signature in dark ink, appearing to read "R.S. Tolbert", written over a horizontal line.

R.S. Tolbert,  
District Geologist  
CYPRUS ANVIL MINING CORPORATION

RST/DBC  
encls.

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APPENDIX I  
DESCRIPTION OF LITHOLOGIC UNITS AND CODES

# APPENDIX I LITHOLOGIC DESCRIPTION

| FORMATION<br>***** | UNIT<br>**** | DESCRIPTION<br>*****                                          |
|--------------------|--------------|---------------------------------------------------------------|
| MT. MYE            | 1H           | CHLORITIC SCHIST                                              |
|                    | 1F           | METABASITE                                                    |
|                    | 1E           | GRAPHITIC SCHIST                                              |
|                    | 1D           | VARIABLY CARBONACEOUS-BIOTITE-<br>MUSCOVITE-ANDALUSITE SCHIST |
|                    | 1CD          | TRANSITIONAL BETWEEN 1D AND 1C                                |
|                    | 1C           | QUARTZO-FELDSPATHIC, BIOTITE-<br>MUSCOVITE SCHIST/GNEISS      |

## MODIFIERS

\*\*\*\*\*

- 1 SILICEOUS
- 2 CARBONACEOUS
- 3 CALCAREOUS
- 4 ALTERED
- 5 BANDED
- 6 CLOTTED
- 7 STAUROLITIC
- 8 CHLORITIC
- 9 SULPHIDE-BEARING
- 0 NORMAL

- & MINOR/VARIABLE COMPONENT
- > TRANSITIONAL TO
- ( ) DEFINES MINOR INTERBANDS
- [ ] INTERPRETIVE ALTERNATIVE

## EXAMPLES:

- 1D2 > 1E0 CARBONACEOUS 1D, TRANSITIONAL TO  
GRAPHITIC SCHIST
- 1D63 (1D2) CALCAREOUS, CLOTTED 1D WITH INTER-  
BANDS OF CARBONACEOUS 1D

APPENDIX I (CONTD)  
LITHOLOGIC DESCRIPTION

| FORMATION<br>***** | UNIT<br>**** | DESCRIPTION<br>*****                                        |
|--------------------|--------------|-------------------------------------------------------------|
| ORE UNITS          | 2H           | PYRROTITIC FACIES, MASSIVE SULFIDES                         |
|                    | 2G           | BARITIC FACIES, MASSIVE SULFIDES/<br>SULPHATES (>10% BASO4) |
|                    | 2F           | BUCKSHOT FACIES, MASSIVE SULFIDES                           |
|                    | 2E           | MASSIVE PYRITIC SULFIDES                                    |
|                    | 2D           | BASE-METAL BEARING, PYRITIC QUARTZ-<br>ITE                  |
|                    | 2C           | BASE-METAL POOR, PYRITIC QUARTZITE                          |
|                    | 2B           | PYRITE-FREE QUARTZITE (MAY CONTAIN<br>BASE METALS)          |
|                    | 2A           | SULFIDE-BEARING, RIBBON-BANDED,<br>GRAPHITIC QUARTZITE      |

MODIFIERS

\*\*\*\*\*

- 1 SILICEOUS
- 2 COURSE, PORPHYROBLASTIC, PYRITE-BEARING
- 3 FINE, PYRITE/MARCASITE-BEARING
- 4 FOR 2A,2B,2C,2E MEANS >4% PB+ZN; FOR 2D,  
2F, 2G MEANS >10% PB+ZN
- 5 CARBONACEOUS
- 6 BARITE-BEARING (<10% BASO4)
- 7 PYRRHOTITE-BEARING
- 8 MAGNETITE-BEARING
- 9 CHALCOPYRITE-BEARING
- 0 NORMAL
- \* CARBONATE-BEARING
- @ ANKERITE-BEARING
- & MINOR/VARIABLE COMPONENT
- ) TRANSITIONAL TO
- ( ) DEFINES MINOR INTERBANDS
- [ ] INTERPRETIVE ALTERNATIVE

EXAMPLES:

2D64 (2A49)

BASEMETAL-BEARING, BARITE-BEARING(<10%  
BASO4) PYRITIC QUARTZITE WITH >10% PB+ZN  
AND INTERBAND(S) OF RIBBON-BANDED,  
GRAPHITIC QUARTZITE WITH >4% PB+ZN  
WHICH IS CHACOPYRITE BEARING.

APPENDIX I (CONTD)  
LITHOLOGIC DESCRIPTION

| FORMATION<br>***** | UNIT<br>**** | DESCRIPTION<br>*****                                       |
|--------------------|--------------|------------------------------------------------------------|
| ALTERATION<br>HALO | 2L           | BLEACHED SERICITE> CHLORITE-QUARTZ-<br>BIOTITE-TALC SCHIST |

MODIFIERS

\*\*\*\*\*

|     |                                                 |
|-----|-------------------------------------------------|
| 1   | SILICEOUS                                       |
| 2   | PYRITE-BEARING                                  |
| 3   | TALC/KAOLINITE-BEARING                          |
| 4   | SPHALERITE AND/OR GALENA BEARING (>2%<br>PB+ZN) |
| 5   | CARBONATE-BEARING                               |
| 6   | CHLORITE> SERICITE-BIOTITE                      |
| 7   | PYRRHOTITE-BEARING                              |
| 8   | MAGNETITE-BEARING                               |
| 9   | CHALCOPYRITE-BEARING (>0.2% CU)                 |
| 0   | NORMAL                                          |
| *   | DOLOMITE-BEARING                                |
| @   | ANKERITE-BEARING                                |
| &   | MINOR/VARIABLE COMPONENT                        |
| >   | TRANSITIONAL TO                                 |
| ( ) | DEFINES MINOR INTERBANDS                        |
| [ ] | INTERPRETIVE ALTERNATIVE                        |

EXAMPLES:

2L14 [2B0]

SILICEOUS 2L WITH >2% PB+ZN, WHICH MIGHT  
BE INTERPRETED AS NORMAL 2B0 ORE.

APPENDIX I (CONTD)  
LITHOLOGIC DESCRIPTION

| FORMATION<br>***** | UNIT<br>**** | DESCRIPTION<br>*****                                                                                                                     |
|--------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------|
| VANGORDA           | 3F           | MARBLE AND SILICATED MARBLE                                                                                                              |
|                    | 3E           | GRAPHITIC PHYLLITE/SCHIST                                                                                                                |
|                    | 3D           | CALC-SILICATE PHYLLITE/SCHIST                                                                                                            |
|                    | 3C           | METABASITE                                                                                                                               |
|                    | 3B           | CHLORITIC PHYLLITE/SCHIST                                                                                                                |
|                    | 3A           | TRANSITION ZONE WITH UNIT 1<br>(INTERBANDED CHLORITIC PHYLLITE,<br>GRAPHITIC PHYLLITE AND PELITES<br>OF VANGORDA AND MT. MYE FORMATIONS) |

MODIFIERS

\*\*\*\*\*

FOR 3D THE FOLLOWING FIRST MODIFIERS APPLY:-

|     |                                      |
|-----|--------------------------------------|
| 3D0 | NORMAL                               |
| 3D2 | ]                                    |
| 3D5 | ] > TENDING TOWARDS MARBLE           |
| 3D7 | ]                                    |
| 3D4 | ]                                    |
| 3D6 | ] > TENDING TOWARDS PHYLLITE         |
| 3D7 | ]                                    |
| 3D1 |                                      |
| 3D3 | ALMOST TOTALLY CALCSILICATE MINERALS |

ADDITIONAL MODIFIERS FOR 3D FOLLOWING THOSE ABOVE AND  
ALSO USED FOR ALL OTHER UNIT 3 ROCK-TYPES ARE AS  
DESCRIBED BELOW :-

|     |                           |
|-----|---------------------------|
| 1   | SILICEOUS                 |
| 2   | NON-CALCAREOUS            |
| 3   | CALCAREOUS                |
| 4   | ALTERED                   |
| 5   | BANDED/LAMINATED          |
| 6   | SULPHIDE-BEARING          |
| 7   | CHLORITE LAMINATIONS      |
| 8   | CHLORITIC                 |
| 9   | CARBONACEOUS              |
| 0   | NORMAL                    |
| &   | MINOR/VARIABLE COMPONENT  |
| >   | TRANSITIONAL TO           |
| ( ) | DEFINES MINOR INTERBANDED |
| [ ] | INTERPRETIVE ALTERNATIVE  |

EXAMPLES:

|              |                                                                                               |
|--------------|-----------------------------------------------------------------------------------------------|
| 3D69         | CALCSILICATE TENDING TOWARDS PHYLLITE<br>AND IS CARBONACEOUS                                  |
| 3B46         | SULPHIDE-BEARING, ALTERED, CHLORITIC<br>PHYLLITE                                              |
| 3D03&7 (000) | NORMAL CALCSILICATE WITH CALCITE AND<br>MINOR CHLORITE LAMINATIONS AND MINOR<br>QUARTZ VEINS. |

APPENDIX II  
DIAMOND DRILL LOGS

|                |   |          |
|----------------|---|----------|
| DRILL HOLE     | : | 83F-22   |
| NORTHING       | : | 7,143.7  |
| EASTING        | : | 13,992.6 |
| ELEVATION      | : | 3,989.6  |
| TOTAL DEPTH    | : | 917.0    |
| SECTION        | : | 122+600  |
| R.F.E.         | : | S2       |
| RFE DIRECTION: |   | 210      |
| PLUNGE ANGLE : |   | 0        |
| PLUNGE DIRECT: |   | 0        |
| DHD CALC:      |   | 0        |
| SS CALC:       |   | 0        |

## DETAIL RECORD COUNTS:

|                       |    |
|-----------------------|----|
| NOS ORE-SAMPLES:      | 11 |
| NOS DOWN-H-SURVEYS:   | 10 |
| NOS DOWN-H-LITHOLOGY: | 59 |
| NOS DOWN-H-STRUCTURE: | 87 |
| NOS DOWN-H-FAULTS:    | 64 |
| NOS DOWN-H-SPLINES:   | 0  |
| NOS COMPOSITES:       | 0  |

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## ORE SAMPLES &amp; ASSAYS (DH020)

PAGE: 2

DDH: 83F-22 UTM-N: 7,143.7 UTM-E: 13,992.6 UTM-ELEV: 3,989.6 TOTAL DEPTH: 917.0 SECTION: 122+600  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| ---DEPTHS--- |       | -----ASSAYS----- |      |      |           |           |      |      |       |             |             |             |      |      |        |       |      |      |      |      |           |
|--------------|-------|------------------|------|------|-----------|-----------|------|------|-------|-------------|-------------|-------------|------|------|--------|-------|------|------|------|------|-----------|
| FROM         | TO    | SAMPLE NO.       | INT. | REC. | ROCK UNIT | S.G. PULP | Cu % | Pb % | Zn %  | Ag(AA) g/mT | Ag(FA) g/mT | Au(FA) g/mT | Po % | Py % | TOT Fe | BaO % | Hg % | Mn % | As % | Ba % | S.G. W.R. |
| 834.4        | 838.0 | 33501            | 3.6  | 3.3  | 2A41      | 2.87      | .03  | 2.16 | 2.94  | 27.37       |             | .10         | 4    | 3    | 7      | .14   |      | .05  |      |      |           |
| 838.0        | 842.4 | 33502            | 4.4  | 3.4  | 2A1       | 2.93      | .06  | 1.16 | 2.77  | 25.02       |             | .10         | 4    | 4    | 8      | .18   |      | .03  |      |      |           |
| 842.4        | 843.0 | 33503            | .6   | .6   | 2D4       | 3.45      | .11  | 6.96 | 11.03 | 118.02      |             | .10         | 8    | 5    | 13     | .09   |      | .09  |      |      |           |
| 843.0        | 845.3 | 33504            | 2.3  | 2.0  | 2H41      | 3.91      | .20  | 4.65 | 7.85  | 94.24       |             | .10         | 20   | 6    | 26     | .20   |      | .09  |      |      |           |
| 845.3        | 846.3 | 33505            | 1.0  | 1.0  | 2A41      | 3.17      | .06  | 2.57 | 4.46  | 37.95       |             | .10         | 10   | 3    | 13     | .28   |      | .06  |      |      |           |
| 846.3        | 848.9 | 33506            | 2.6  | 2.5  | 2F44      | 4.41      | .09  | 3.50 | 7.70  | 46.66       |             | .10         | 10   | 21   | 32     | .10   |      | .03  |      |      |           |
| 848.9        | 851.8 | 33507            | 2.9  | 2.9  | 2D05      | 2.99      | .06  | 1.58 | 3.51  | 25.50       |             | .10         | 4    | 2    | 7      | .25   |      | .02  |      |      |           |
| 851.8        | 855.4 | 33508            | 3.6  | 3.6  | 2A14      | 2.85      | .05  | .80  | 2.26  | 17.42       |             | .20         | 4    | 2    | 6      | .14   |      | .02  |      |      |           |
| 855.4        | 860.0 | 33509            | 4.6  | 4.6  | 2A14      | 2.81      | .04  | 1.03 | 2.41  | 18.66       |             | .20         | 3    | 3    | 6      | .11   |      | .02  |      |      |           |
| 860.0        | 865.1 | 33510            | 5.1  | 4.9  | 2A14      | 2.99      | .07  | .97  | 2.79  | 23.64       |             | .30         | 3    | 4    | 7      | .16   |      | .02  |      |      |           |
| 865.1        | 868.1 | 33511            | 3.0  | 3.0  | 2Q0       | 3.05      | .13  | 1.65 | 2.58  | 53.19       |             | .80         | 5    | 4    | 10     | .14   |      | .03  |      |      |           |

## WEIGHTED AVERAGE

834.4 868.1 33.7 31.8 3.12 .07 1.82 3.65 34.48 .21 6 5 11 .15 .03

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DOWN-HOLE SURVEYS (DH020)

PAGE: 3

DDH: 83F-22 UTM-N: 7,143.7 UTM-E: 13,992.6 UTM-ELEV: 3,989.6 TOTAL DEPTH: 917.0 SECTION: 122+600  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH   | ZENITH  | AZIMUTH |
|---------|---------|---------|
| 0.000   | 179.000 | 25.000  |
| 104.000 | 178.500 | 10.000  |
| 204.000 | 178.100 | 8.000   |
| 304.000 | 177.800 | 23.000  |
| 404.000 | 176.900 | 33.000  |
| 504.000 | 176.000 | 37.000  |
| 604.000 | 173.000 | 22.000  |
| 704.000 | 171.900 | 29.000  |
| 804.000 | 170.000 | 22.000  |
| 904.000 | 169.300 | 24.000  |

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 4

DDH: 83F-22 UTM-N: 7,143.7 UTM-E: 13,992.6 UTM-ELEV: 3,989.6 TOTAL DEPTH: 917.0 SECTION: 122+600  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH | UNIT | CODE | DESC            | RECOVERY | IND |
|-------|------|------|-----------------|----------|-----|
| 21.0  | 0001 | *    |                 | 0.0      | 0   |
| 62.8  | 0002 | 3D53 |                 | 0.0      | 0   |
| 86.2  | 0003 | 3D0  |                 | 0.0      | 0   |
| 111.9 | 0004 | 3D44 | 8               | 0.0      | 0   |
| 128.5 | 0005 | 3D33 |                 | 0.0      | 0   |
| 203.0 | 0006 | 3D63 |                 | 0.0      | 0   |
| 208.4 | 0007 | 3D43 |                 | 0.0      | 0   |
| 228.4 | 0008 | 3D3  |                 | 0.0      | 0   |
| 236.8 | 0009 | 3D63 |                 | 0.0      | 0   |
| 259.0 | 0010 | 3D3  | (3D63)          | 0.0      | 0   |
| 273.5 | 0011 | 3D63 |                 | 0.0      | 0   |
| 285.0 | 0012 | 3D43 | 48              | 0.0      | 0   |
| 305.2 | 0013 | 3D34 | 3               | 0.0      | 0   |
| 376.0 | 0014 | 3D63 | (0Q0)           | 0.0      | 0   |
| 389.6 | 0015 | 3D63 |                 | 0.0      | 0   |
| 396.0 | 0016 | 3D43 | 48              | 0.0      | 0   |
| 405.6 | 0017 | 3D43 | 846             | 0.0      | 0   |
| 415.4 | 0018 | 3D63 | 946>1E49(3D648) | 0.0      | 0   |
| 417.0 | 0019 | 3C3  |                 | 0.0      | 0   |
| 441.4 | 0020 | 3D63 | 48(3C3)         | 0.0      | 0   |
| 457.5 | 0021 | 3D43 | 48              | 0.0      | 0   |
| 462.6 | 0022 | 3D6  |                 | 0.0      | 0   |
| 486.4 | 0023 | 3A0  |                 | 0.0      | 0   |
| 537.0 | 0024 | 1D6  |                 | 0.0      | 0   |
| 546.0 | 0025 | 1D43 |                 | 0.0      | 0   |
| 552.0 | 0026 | 1F3  |                 | 0.0      | 0   |
| 569.4 | 0027 | 1D46 |                 | 0.0      | 0   |
| 575.6 | 0028 | 1D83 | >(3D6)          | 0.0      | 0   |
| 583.6 | 0029 | 1D48 | 3               | 0.0      | 0   |
| 592.0 | 0030 | 1D0  |                 | 0.0      | 0   |
| 600.8 | 0031 | 1D84 | 3               | 0.0      | 0   |
| 666.0 | 0032 | 1D0  |                 | 0.0      | 0   |
| 673.0 | 0033 | 1D04 | 29              | 0.0      | 0   |
| 700.6 | 0034 | 1D0  |                 | 0.0      | 0   |
| 702.8 | 0035 | 0Q49 | (1D2)           | 0.0      | 0   |
| 710.6 | 0036 | 1D0  |                 | 0.0      | 0   |
| 716.0 | 0037 | 1CD4 |                 | 0.0      | 0   |
| 727.9 | 0038 | 1D29 | (0Q049,1E0)     | 0.0      | 0   |
| 761.7 | 0039 | 1D04 | 2               | 0.0      | 0   |
| 768.6 | 0040 | 0Q04 | 9               | 0.0      | 0   |
| 785.0 | 0041 | 1D04 | 9>1CD49         | 0.0      | 0   |
| 795.5 | 0042 | 1CD4 | 9<0Q049)        | 0.0      | 0   |
| 810.6 | 0043 | 1CD4 | 49              | 0.0      | 0   |
| 812.0 | 0044 | 1C4  |                 | 0.0      | 0   |
| 819.5 | 0045 | 1C4  | (1D2)           | 0.0      | 0   |
| 827.0 | 0046 | 2L04 | 4<1D2>1E0)      | 0.0      | 0   |
| 829.6 | 0047 | 2L0  | (0Q049)         | 0.0      | 0   |
| 834.4 | 0048 | 1E04 | 9               | 0.0      | 0   |
| 841.7 | 0049 | 2A41 |                 | 0.0      | 0   |
| 843.0 | 0050 | 2D4  |                 | 0.0      | 0   |
| 845.2 | 0051 | 2H41 | 9               | 0.0      | 0   |

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 5

DDH: 83F-22 UTM-N: 7,143.7 UTM-E: 13,992.6 UTM-ELEV: 3,989.6 TOTAL DEPTH: 917.0 SECTION: 122+600  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH | UNIT | CODE | DESC      | RECOVERY | IND |
|-------|------|------|-----------|----------|-----|
| 847.0 | 0052 | 2A41 |           | 0.0      | 0   |
| 849.7 | 0053 | 2F44 | 67        | 0.0      | 0   |
| 853.0 | 0054 | 2D05 | [2A41]    | 0.0      | 0   |
| 865.1 | 0055 | 2A14 | 4         | 0.0      | 0   |
| 868.1 | 0056 | 2Q0  | >2A0(2L0) | 0.0      | 0   |
| 869.2 | 0057 | 2L0  |           | 0.0      | 0   |
| 887.2 | 0058 | 1D04 | 4>1CD     | 0.0      | 0   |
| 917.0 | 0059 | 1CD  |           | 0.0      | 0   |

05FEB85 THE IMPERIAL ANVIL

DOWN-HOLE STRUCTURE (DH020)

PAGE: 6

DDH: 83F-22 UTM-N: 7,143.7 UTM-E: 13,992.6 UTM-ELEV: 3,989.6 TOTAL DEPTH: 917.0 SECTION: 122+600  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT SYMTRY | S0 ANGLE DIRECT | S1 ANGLE DIRECT | S2 ANGLE DIRECT | RFE CDE | DHDC | SDC | PROCESS |
|--------|---------|---------|-------------|-----------------|-----------------|-----------------|---------|------|-----|---------|
| 83F-22 | 0.0     | 26.5    | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 47.0    | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 56.0    | PS2         | 0               | 0               | 62              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 66.0    | PS2         | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 72.0    | PS2         | 0               | 0               | 63              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 77.0    | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 85.4    | PS2         | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 101.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 117.0   | PS2         | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 126.7   | PS2         | 0               | 0               | 55              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 140.3   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 149.9   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 160.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 170.5   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 180.5   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 197.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 206.5   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 216.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 227.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 237.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 247.5   | PS2         | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 257.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 267.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 273.5   | PS2         | 0               | 0               | 73              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 287.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 297.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 307.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 317.0   | PS2         | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 327.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 337.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 347.5   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 353.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 363.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 373.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 383.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 392.8   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 407.0   | PS2         | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 415.0   | PS2         | 0               | 0               | 55              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 428.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 432.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 440.0   | PS2         | 0               | 0               | 43              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 450.5   | PS2         | 0               | 0               | 35              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 461.5   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 471.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 481.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 491.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 507.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 517.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 527.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 537.0   | PS2         | 0               | 0               | 50              | 210     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 546.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |

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## DOWN-HOLE STRUCTURE (DH020)

PAGE: 7

DDH: 83F-22 UTM-N: 7,143.7 UTM-E: 13,992.6 UTM-ELEV: 3,989.6 TOTAL DEPTH: 917.0 SECTION: 122+600  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT | SYNTRY | S0 | ANGLE | DIRECT | S1 | ANGLE | DIRECT | S2 | ANGLE | DIRECT | RFE | CDE | DHDC | SDC | PROCESS |
|--------|---------|---------|------|--------|----|-------|--------|----|-------|--------|----|-------|--------|-----|-----|------|-----|---------|
| 83F-22 | 0.0     | 550.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 564.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 75 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 574.0   | CS4  | Z      | 0  |       | 0      | 85 |       | 180    | 65 |       | 220    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 583.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 593.2   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 70 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 607.4   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 618.9   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 55 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 627.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 60 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 637.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 75 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 642.5   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 70 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 655.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 55 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 662.8   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 674.4   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 70 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 677.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 60 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 687.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 697.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 45 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 706.4   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 717.7   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 50 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 733.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 743.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 760.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 70 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 771.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 75 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 779.8   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 50 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 792.0   | CS4  | Z      | 0  |       | 0      | 60 |       | 180    | 45 |       | 220    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 800.0   | CS4  | Z      | 0  |       | 0      | 65 |       | 180    | 45 |       | 220    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 807.2   | CS4  | Z      | 0  |       | 0      | 75 |       | 180    | 55 |       | 220    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 790.7   | 808.0   |      | Z      | 0  |       | 0      | 0  |       | 0      | 0  |       | 0      | 0   |     | 0    | 0   | 0       |
| 83F-22 | 808.0   | 817.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 55 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 826.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 45 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 837.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 850.8   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 65 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 859.5   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 75 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 876.3   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 70 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 885.4   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 75 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 895.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 80 |       | 210    | 0   |     | 0    | 0   | 1       |
| 83F-22 | 0.0     | 904.0   | PS2  |        | 0  |       | 0      | 0  |       | 0      | 80 |       | 210    | 0   |     | 0    | 0   | 1       |

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DOWN-HOLE FAULTS (DH020)

PAGE: 8

DDH: 83F-22 UTM-N: 7,143.7 UTM-E: 13,992.6 UTM-ELEV: 3,989.6 TOTAL DEPTH: 917.0 SECTION: 122+600  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT | REC | CD | PARLL | UPPER PLANE | INTERNAL PLANE | LOWER PLANE | DHD |
|--------|---------|---------|------|-----|----|-------|-------------|----------------|-------------|-----|
| 83F-22 | 0.0     | 83.0    | J    |     |    |       | 30          | 180            | 0           | 0   |
| 83F-22 | 87.3    | 88.2    | 1BG  |     |    |       | 0           | 0              | 0           | 35  |
| 83F-22 | 0.0     | 97.0    | S    |     |    |       | 30          | 90             | 0           | 0   |
| 83F-22 | 0.0     | 98.2    | 1R   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 106.0   | 1G   |     |    |       | 50          | 90             | 0           | 0   |
| 83F-22 | 0.0     | 111.0   | 1S   |     |    |       | 40          | 20             | 0           | 0   |
| 83F-22 | 126.8   | 130.0   | 2RG  | 6   |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 141.0   | 1S   |     |    |       | 15          | 0              | 0           | 0   |
| 83F-22 | 148.0   | 149.9   | 1S   |     |    |       | 10          | 90             | 0           | 0   |
| 83F-22 | 167.0   | 170.5   | 1S   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 230.3   | 1G   |     |    |       | 99          | 999            | 0           | 0   |
| 83F-22 | 0.0     | 257.6   | 1S   |     |    |       | 25          | 90             | 0           | 0   |
| 83F-22 | 262.0   | 275.4   | 1J   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 275.4   | 277.6   | 2GX  |     |    |       | 0           | 0              | 0           | 15  |
| 83F-22 | 338.6   | 340.2   | 2V   |     |    |       | 99          | 999            | 0           | 0   |
| 83F-22 | 0.0     | 370.3   | 1G   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 379.1   | 381.2   | 2SX  |     |    |       | 99          | 999            | 30          | 40  |
| 83F-22 | 381.2   | 387.0   | 2J   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 387.0   | 389.4   | 2SX  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 396.1   | 405.6   | 3GX  |     |    |       | 15          | 270            | 0           | 0   |
| 83F-22 | 413.5   | 415.5   | 1BJ  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 421.8   | 423.0   | 8QS  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 425.0   | 427.0   | 2GS  |     |    |       | 10          | 0              | 0           | 0   |
| 83F-22 | 0.0     | 433.6   | 1V   |     |    |       | 0           | 0              | 0           | 20  |
| 83F-22 | 451.5   | 453.0   | XVG  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 455.0   | 1J   |     |    |       | 0           | 0              | 0           | 10  |
| 83F-22 | 456.0   | 458.0   | 1GX  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 462.0   | 1GX  |     |    |       | 0           | 0              | 0           | 99  |
| 83F-22 | 532.0   | 537.0   | 2QS  |     |    |       | 99          | 999            | 0           | 0   |
| 83F-22 | 537.0   | 540.0   | 3GX  |     |    |       | 0           | 0              | 0           | 99  |
| 83F-22 | 541.8   | 543.6   | 3XS  |     |    |       | 20          | 20             | 0           | 0   |
| 83F-22 | 543.6   | 546.0   | R    |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 561.6   | S    |     |    |       | 0           | 0              | 0           | 40  |
| 83F-22 | 0.0     | 605.1   | 1SG  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 617.0   | 633.0   | 1J   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 648.0   | 649.0   | 1B   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 652.0   | 656.5   | 2S   |     |    |       | 99          | 999            | 0           | 10  |
| 83F-22 | 666.0   | 668.8   | 3XG  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 697.9   | 1SX  |     |    |       | 0           | 0              | 0           | 30  |
| 83F-22 | 700.6   | 701.2   | 2Q   |     |    |       | 70          | 90             | 0           | 0   |
| 83F-22 | 0.0     | 702.3   | S    |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 715.9   | 716.6   | Q    |     |    |       | 0           | 0              | 0           | 99  |
| 83F-22 | 719.6   | 721.0   | Q    |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 721.5   | 725.0   | 2SG  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 740.6   | S    |     |    |       | 0           | 0              | 0           | 30  |
| 83F-22 | 761.7   | 768.6   | 3Q   |     |    |       | 60          | 20             | 0           | 20  |
| 83F-22 | 0.0     | 776.0   | 1S   |     |    |       | 0           | 0              | 0           | 40  |
| 83F-22 | 784.0   | 785.5   | 1BQ  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 787.7   | 788.9   | Q    |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 794.2   | 795.4   | Q    |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 798.5   | 2SG  |     |    |       | 0           | 0              | 0           | 0   |

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## DOWN-HOLE FAULTS (DH020)

PAGE: 9

DDH: 83F-22 UTM-N: 7,143.7 UTM-E: 13,992.6 UTM-ELEV: 3,989.6 TOTAL DEPTH: 917.0 SECTION: 122+600  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT | REC | CD | PARLL | UPPER PLANE | INTERNAL PLANE | LOWER PLANE | DHD |
|--------|---------|---------|------|-----|----|-------|-------------|----------------|-------------|-----|
| 83F-22 | 822.0   | 826.0   | 2S   |     |    |       | 99          | 999            | 0           | 0   |
| 83F-22 | 826.0   | 829.9   | 1R   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 833.6   | 3G   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 833.6   | 843.0   | 1BJ  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 843.0   | 845.2   | 2D   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 846.0   | 847.0   | 2XG  | 2   |    |       | 20          | 180            | 0           | 0   |
| 83F-22 | 0.0     | 849.7   | CNT  |     |    |       | 99          | 999            | 0           | 0   |
| 83F-22 | 853.0   | 861.0   | 1BJ  |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 865.1   | 1S   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 869.2   | 1S   |     |    |       | 0           | 0              | 99          | 999 |
| 83F-22 | 0.0     | 900.7   | 2S   |     |    |       | 0           | 0              | 0           | 0   |
| 83F-22 | 0.0     | 909.5   | 1S   |     |    |       | 0           | 0              | 99          | 999 |
| 83F-22 | 0.0     | 911.5   | 1S   |     |    |       | 0           | 0              | 99          | 999 |

|                |   |          |
|----------------|---|----------|
| DRILL HOLE     | : | 84F-02   |
| NORTHING       | : | 7,557.8  |
| EASTING        | : | 13,989.6 |
| ELEVATION      | : | 3,985.5  |
| TOTAL DEPTH    | : | 855.0    |
| SECTION        | : | 122+300E |
| R.F.E.         | : | 82       |
| RFE DIRECTION: |   | 210      |
| PLUNGE ANGLE : |   | 0        |
| PLUNGE DIRECT: |   | 0        |
| DHD CALC:      |   | 0        |
| SS CALC:       |   | 0        |

## DETAIL RECORD COUNTS:

|                       |    |
|-----------------------|----|
| NOS ORE-SAMPLES:      | 9  |
| NOS DOWN-H-SURVEYS:   | 7  |
| NOS DOWN-H-LITHOLOGY: | 61 |
| NOS DOWN-H-STRUCTURE: | 76 |
| NOS DOWN-H-FAULTS:    | 57 |
| NOS DOWN-H-SPLINES:   | 0  |
| NOS COMPOSITES:       | 0  |

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## ORE SAMPLES &amp; ASSAYS (DH020)

PAGE: 11

DDH: 84F-02 UTM-N: 7,557.8 UTM-E: 13,989.6 UTM-ELEV: 3,985.5 TOTAL DEPTH: 855.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| ---DEPTHS--- |       | SAMPLE NO. | INT. | REC. | ROCK UNIT | S.G. PULP | ASSAYS |      |      |             |             |             |      |      |        |       |      |      |      |
|--------------|-------|------------|------|------|-----------|-----------|--------|------|------|-------------|-------------|-------------|------|------|--------|-------|------|------|------|
| FROM         | TO    |            |      |      |           |           | Cu %   | Pb % | Zn % | Ag(AA) g/mT | Ag(FA) g/mT | Au(FA) g/mT | Po % | Py % | TOT Fe | BaO % | Hg % | Mn % | As % |
| 778.9        | 781.0 | 33550      | 2.1  | 2.1  | 2L12      | 2.88      | .03    | .17  | .24  | 5.60        |             | .10         | 2    | 2    | 4      | .24   |      | .06  |      |
| 781.0        | 786.7 | 33551      | 5.7  | 5.7  | 2A4       | 3.00      | .05    | 1.28 | 2.73 | 26.44       |             | .10         | 3    | 2    | 5      | .14   |      | .03  |      |
| 786.7        | 789.8 | 33552      | 3.1  | 2.7  | 2D0       | 3.33      | .15    | 2.42 | 4.42 | 41.37       |             | .10         | 9    | 8    | 17     | .15   |      | .05  |      |
| 789.8        | 790.5 | 33553      | .7   | .7   | 2E43      | 3.84      | .17    | 3.13 | 5.64 | 58.47       |             | .10         | 13   | 16   | 29     | .04   |      | .07  |      |
| 790.5        | 793.0 | 33554      | 2.5  | 2.4  | 2D0       | 3.15      | .13    | 3.58 | 4.84 | 51.32       |             | .10         | 5    | 4    | 10     | .15   |      | .03  |      |
| 793.0        | 797.0 | 33555      | 4.0  | 4.0  | 2A4       | 2.99      | .08    | 1.23 | 3.15 | 15.24       |             | .10         | 5    | 5    | 10     | .20   |      | .03  |      |
| 797.0        | 801.6 | 33556      | 4.6  | 4.0  | 2A4       | 2.98      | .05    | 1.79 | 3.10 | 22.39       |             | .10         | 4    | 3    | 8      | .16   |      | .01  |      |
| 801.6        | 804.0 | 33557      | 2.4  | 2.4  | 2A0       | 2.90      | .08    | .95  | 2.57 | 21.46       |             | .10         | 4    | 3    | 7      | .17   |      | .02  |      |
| 804.0        | 809.0 | 33558      | 5.0  | 4.6  | 1D49      | 2.73      | .02    | .06  | .14  | 2.49        |             | .10         | 5    |      | 5      | .22   |      | .05  |      |

## WEIGHTED AVERAGE

|       |       |      |      |      |     |      |      |       |  |     |   |   |   |     |  |     |  |
|-------|-------|------|------|------|-----|------|------|-------|--|-----|---|---|---|-----|--|-----|--|
| 778.9 | 809.0 | 30.1 | 28.6 | 3.00 | .06 | 1.39 | 2.64 | 22.85 |  | .10 | 5 | 3 | 8 | .17 |  | .03 |  |
|-------|-------|------|------|------|-----|------|------|-------|--|-----|---|---|---|-----|--|-----|--|

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DOWN-HOLE SURVEYS (DH020)

PAGE: 12

DDH: 84F-02 UTM-N: 7,557.8 UTM-E: 13,989.6 UTM-ELEV: 3,985.5 TOTAL DEPTH: 855.0 SECTION: 122+300E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH   | ZENITH  | AZIMUTH |
|---------|---------|---------|
| 0.000   | 178.800 | 23.000  |
| 42.000  | 178.800 | 23.000  |
| 242.000 | 177.900 | 35.000  |
| 442.000 | 176.100 | 15.000  |
| 642.000 | 173.000 | 8.000   |
| 742.000 | 170.800 | 6.000   |
| 842.000 | 169.500 | 8.000   |

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DOWN-HOLE LITHOLOGY (DH020)

PAGE: 13

DDH: 84F-02 UTM-N: 7,557.8 UTM-E: 13,989.6 UTM-ELEV: 3,985.5 TOTAL DEPTH: 855.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH | UNIT | CODE | DESC           | RECOVERY | IND |
|-------|------|------|----------------|----------|-----|
| 12.2  | 0001 | *    | TRICONED       | 0.0      | 0   |
| 40.8  | 0002 | 3D4  |                | 0.0      | 0   |
| 54.7  | 0003 | 3D53 | &8             | 0.0      | 0   |
| 62.9  | 0004 | 3D43 | (0Q0,2D5)      | 0.0      | 0   |
| 65.3  | 0005 | 3D5  |                | 0.0      | 0   |
| 76.3  | 0006 | 3D0  | (3D4,3D2)      | 0.0      | 0   |
| 114.0 | 0007 | 3D01 | (3D08)         | 0.0      | 0   |
| 131.6 | 0008 | 3D04 | 8(3D1)         | 0.0      | 0   |
| 150.1 | 0009 | 3D51 | (3D0)          | 0.0      | 0   |
| 164.8 | 0010 | 3D0  |                | 0.0      | 0   |
| 173.3 | 0011 | 3D08 | (3D0)          | 0.0      | 0   |
| 200.2 | 0012 | 3D04 | 3(3D4,3D5)     | 0.0      | 0   |
| 209.8 | 0013 | 3D4  | [3D6](3D2)     | 0.0      | 0   |
| 240.2 | 0014 | 3D6  | (3D4)          | 0.0      | 0   |
| 251.5 | 0015 | 3D0  | (3D0&8)        | 0.0      | 0   |
| 267.8 | 0016 | 3D4  | (3D0PHYLLITIC) | 0.0      | 0   |
| 274.0 | 0017 | 3D08 |                | 0.0      | 0   |
| 277.1 | 0018 | 3D5  | >3D2           | 0.0      | 0   |
| 318.3 | 0019 | 3D0  | (3D2[3D4]>3D0) | 0.0      | 0   |
| 338.6 | 0020 | 3D0  | (3D09,3C0)     | 0.0      | 0   |
| 340.5 | 0021 | 3E0  | (3D0)          | 0.0      | 0   |
| 342.6 | 0022 | 3D03 |                | 0.0      | 0   |
| 347.7 | 0023 | 3C0  | (3D0)          | 0.0      | 0   |
| 354.1 | 0024 | 3D08 |                | 0.0      | 0   |
| 357.2 | 0025 | 3D4  | (3D0)          | 0.0      | 0   |
| 369.8 | 0026 | 3D01 | &8             | 0.0      | 0   |
| 383.8 | 0027 | 3D0  | (3D07>1D0,3D4) | 0.0      | 0   |
| 445.1 | 0028 | 1D0  | (0Q0,3D0)      | 0.0      | 0   |
| 452.6 | 0029 | 3D0  | [3D4](1D0)     | 0.0      | 0   |
| 457.0 | 0030 | 1D04 | 5(3D0)         | 0.0      | 0   |
| 492.0 | 0031 | 1D0  | [1CD]          | 0.0      | 0   |
| 497.8 | 0032 | 1D6  |                | 0.0      | 0   |
| 524.1 | 0033 | 1D0  | [1D6]          | 0.0      | 0   |
| 525.2 | 0034 | 1D8  | (0Q0)          | 0.0      | 0   |
| 574.4 | 0035 | 1D0  | (1D6)          | 0.0      | 0   |
| 617.3 | 0036 | 1D0  | (0Q0)          | 0.0      | 0   |
| 626.4 | 0037 | 1D6  | (1D0,0Q0)      | 0.0      | 0   |
| 641.2 | 0038 | 1D0  | (0Q0)          | 0.0      | 0   |
| 642.7 | 0039 | 1D4  | [1D&4]         | 0.0      | 0   |
| 656.8 | 0040 | 1D0  | (0Q0)          | 0.0      | 0   |
| 658.8 | 0041 | 1D2  | [1D0&2]        | 0.0      | 0   |
| 662.7 | 0042 | 1D0  | (0Q9,1D2)      | 0.0      | 0   |
| 673.0 | 0043 | 1D04 | 9(0Q9,1D0&9&4) | 0.0      | 0   |
| 673.5 | 0044 | 1D29 |                | 0.0      | 0   |
| 674.7 | 0045 | 0Q9  | (1D219)        | 0.0      | 0   |
| 695.0 | 0046 | 1D0  | (1CD)          | 0.0      | 0   |
| 704.8 | 0047 | 1CD  |                | 0.0      | 0   |
| 706.8 | 0048 | 0Q0  |                | 0.0      | 0   |
| 751.4 | 0049 | 1D0  | (0Q0,1CD)      | 0.0      | 0   |
| 759.7 | 0050 | 1D41 | 9(0Q9,1D29)    | 0.0      | 0   |
| 770.2 | 0051 | 1D29 | (0Q9,1E9)      | 0.0      | 0   |

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 14

DDH: 84F-02 UTM-N: 7,557.8 UTM-E: 13,989.6 UTM-ELEV: 3,985.5 TOTAL DEPTH: 855.0 SECTION: 122+300E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH | UNIT | CODE | DESC       | RECOVERY | IND |
|-------|------|------|------------|----------|-----|
| 778.9 | 0052 | 1D0  | (0Q9,1E9)  | 0.0      | 0   |
| 781.0 | 0053 | 2L12 | >2L12[2B0] | 0.0      | 0   |
| 786.7 | 0054 | 2A4  | (2D5)      | 0.0      | 0   |
| 789.8 | 0055 | 2D0  | (2A4)      | 0.0      | 0   |
| 790.5 | 0056 | 2E43 |            | 0.0      | 0   |
| 793.0 | 0057 | 2D0  | (2D5)      | 0.0      | 0   |
| 801.6 | 0058 | 2A4  | (2D5)      | 0.0      | 0   |
| 804.0 | 0059 | 2A0  | (2A3)      | 0.0      | 0   |
| 822.0 | 0060 | 1D49 | (0Q0)      | 0.0      | 0   |
| 855.0 | 0061 | 1D0  | (0Q0)      | 0.0      | 0   |

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DOWN-HOLE STRUCTURE (DH020)

PAGE: 15

DDH: 84F-02 UTM-N: 7,557.8 UTM-E: 13,989.6 UTM-ELEV: 3,985.5 TOTAL DEPTH: 855.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT SYMTRY | S0 ANGLE DIRECT | S1 ANGLE DIRECT | S2 ANGLE DIRECT | RFE CDE | DHDC | SDC | PROCESS |
|--------|---------|---------|-------------|-----------------|-----------------|-----------------|---------|------|-----|---------|
| 84F-02 | 0.0     | 21.0    | PS2         | 0               | 0               | 63              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 24.0    | PS2         | 0               | 0               | 52              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 27.0    | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 45.0    | PS2         | 0               | 0               | 64              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 57.0    | PS2         | 0               | 0               | 62              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 67.0    | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 83.0    | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 104.0   | PS2         | 0               | 0               | 69              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 110.0   | PS2         | 0               | 0               | 56              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 120.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 130.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 147.0   | PS2         | 0               | 0               | 64              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 166.0   | PS2         | 0               | 0               | 83              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 179.0   | PS2         | 0               | 0               | 67              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 186.0   | PS2         | 0               | 0               | 62              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 195.0   | PS2         | 0               | 0               | 74              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 205.0   | PS2         | 0               | 0               | 68              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 215.0   | PS2         | 0               | 0               | 68              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 219.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 236.0   | PS2         | 0               | 0               | 74              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 243.5   | PS2         | 0               | 0               | 78              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 253.5   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 264.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 274.0   | PS2         | 0               | 0               | 77              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 284.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 294.0   | PS2         | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 304.0   | PS2         | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 315.0   | PS2         | 0               | 0               | 45              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 325.0   | PS2         | 0               | 0               | 48              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 330.0   | PS2         | 0               | 0               | 5               | 210     | 0    | 0   | 0       |
| 84F-02 | 0.0     | 335.0   | PS2         | 0               | 0               | 38              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 345.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 355.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 365.5   | PS2         | 0               | 0               | 73              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 375.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 394.7   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 406.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 416.5   | PS2         | 0               | 0               | 63              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 431.0   | CS4         | 0               | 62              | 270             | 55      | 220  | 0   | 1       |
| 84F-02 | 0.0     | 443.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 453.0   | PS2         | 0               | 0               | 68              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 467.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 477.0   | PS2         | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 497.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 507.0   | PS2         | 0               | 0               | 68              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 517.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 537.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 547.0   | PS2         | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 572.0   | PS2         | 0               | 0               | 0               | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 577.0   | PS2         | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-02 | 0.0     | 582.4   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |



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## DOWN-HOLE FAULTS (DH020)

PAGE: 17

DDH: 84F-02 UTM-N: 7,557.8 UTM-E: 13,989.6 UTM-ELEV: 3,985.5 TOTAL DEPTH: 855.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT | REC | CD | PARLL | UPPER PLANE |     | INTERNAL PLANE |     | LOWER PLANE |     | DHD |
|--------|---------|---------|------|-----|----|-------|-------------|-----|----------------|-----|-------------|-----|-----|
| 84F-02 | 12.2    | 47.0    | IJB  |     |    |       | 0           | 0   | 40             | 270 | 0           | 0   | 0   |
| 84F-02 | 47.0    | 51.0    | IJB  |     |    |       | 0           | 0   | 30             | 260 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 64.8    | IFS  |     |    |       | 0           | 0   | 35             | 180 | 0           | 0   | 0   |
| 84F-02 | 72.0    | 88.1    | 1F   |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 92.6    | 109.2   | 1SJ  |     |    |       | 0           | 0   | 10             | 220 | 0           | 0   | 0   |
| 84F-02 | 173.5   | 194.5   | 1SD  |     |    |       | 10          | 180 | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 251.2   | 252.2   | 2SG  |     |    |       | 40          | 180 | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 271.4   | 1SG  |     |    |       | 40          | 90  | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 271.4   | 274.0   | 1J   |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 289.0   | 1J   |     |    |       | 10          | 70  | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 296.2   | 305.5   | 1J   |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 305.5   | 333.5   | SGB  |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 362.7   | J    |     |    |       | 0           | 0   | 22             | 130 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 374.8   | JIG  |     |    |       | 0           | 0   | 30             | 180 | 0           | 0   | 0   |
| 84F-02 | 376.0   | 376.5   | JSG  |     |    |       | 0           | 0   | 25             | 355 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 387.8   | 1SG  |     |    |       | 0           | 0   | 27             | 90  | 0           | 0   | 0   |
| 84F-02 | 0.0     | 389.6   | 1SJ  |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 406.0   | 2G   |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 408.8   | 1GS  |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 420.3   | 1S   |     |    |       | 0           | 0   | 30             | 90  | 0           | 0   | 0   |
| 84F-02 | 0.0     | 425.3   | G    |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 429.0   | 433.0   | J    |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 457.8   | G    |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 461.7   | 463.3   | 1B   |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 477.0   | G1S  |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 481.6   | G1S  |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 482.7   | 1S   |     |    |       | 0           | 0   | 65             | 180 | 0           | 0   | 0   |
| 84F-02 | 484.2   | 487.7   | SGB  |     |    |       | 0           | 0   | 20             | 340 | 99          | 999 | 0   |
| 84F-02 | 495.0   | 496.8   | J    |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 513.5   | G1S  |     |    |       | 0           | 0   | 50             | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 533.9   | 1GS  |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 564.5   | 578.7   | 3XS  |     |    |       | 99          | 999 | 0              | 0   | 10          | 0   | 0   |
| 84F-02 | 0.0     | 585.1   | 1GS  |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 596.7   | X    |     |    |       | 0           | 0   | 25             | 180 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 609.0   | V    |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 616.2   | 1S   |     |    |       | 0           | 0   | 20             | 90  | 0           | 0   | 0   |
| 84F-02 | 0.0     | 636.6   | V1X  |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 641.4   | 649.3   | 1SG  |     |    |       | 35          | 270 | 0              | 0   | 25          | 190 | 0   |
| 84F-02 | 0.0     | 654.0   | J    |     |    |       | 0           | 0   | 5              | 270 | 0           | 0   | 0   |
| 84F-02 | 0.0     | 656.4   | G1S  |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |
| 84F-02 | 661.3   | 693.8   | V5X  |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 699.6   | S    |     |    |       | 0           | 0   | 52             | 180 | 0           | 0   | 0   |
| 84F-02 | 701.6   | 704.0   | 1BJ  |     |    |       | 0           | 0   | 45             | 180 | 0           | 0   | 0   |
| 84F-02 | 704.7   | 706.8   | V    |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 714.0   | 715.5   | JIG  |     |    |       | 0           | 0   | 25             | 270 | 0           | 0   | 0   |
| 84F-02 | 728.9   | 733.5   | J    |     |    |       | 0           | 0   | 85             | 180 | 0           | 0   | 0   |
| 84F-02 | 743.4   | 744.7   | SIG  |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 748.6   | J1S  |     |    |       | 0           | 0   | 40             | 350 | 0           | 0   | 0   |
| 84F-02 | 768.3   | 769.4   | 1SG  |     |    |       | 0           | 0   | 0              | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 772.7   | 1SG  |     |    |       | 0           | 0   | 40             | 0   | 0           | 0   | 0   |
| 84F-02 | 0.0     | 777.7   | 1SG  |     |    |       | 0           | 0   | 99             | 999 | 0           | 0   | 0   |

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## DOWN-HOLE FAULTS (DH020)

PAGE: 18

DDH: 84F-02 UTM-N: 7,557.8 UTM-E: 13,989.6 UTM-ELEV: 3,985.5 TOTAL DEPTH: 855.0 SECTION: 122+300E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT REC CD | PARLL | UPPER PLANE | INTERNAL PLANE | LOWER PLANE | DHD |
|--------|---------|---------|-------------|-------|-------------|----------------|-------------|-----|
| 84F-02 | 782.5   | 786.0   | IBJ         |       | 0           | 0              | 0           | 0   |
| 84F-02 | 788.0   | 793.0   | D           |       | 0           | 0              | 0           | 0   |
| 84F-02 | 0.0     | 795.5   | J           |       | 0           | 22             | 330         | 0   |
| 84F-02 | 0.0     | 804.0   | SFG         |       | 0           | 0              | 0           | 0   |
| 84F-02 | 808.2   | 811.3   | SIG         |       | 99          | 999            | 65          | 330 |
| 84F-02 | 0.0     | 838.0   | SG          |       | 0           | 39             | 330         | 0   |

|                |   |          |
|----------------|---|----------|
| DRILL HOLE     | : | 84F-04   |
| NORTHING       | : | 7,355.1  |
| EASTING        | : | 13,783.6 |
| ELEVATION      | : | 3,960.3  |
| TOTAL DEPTH    | : | 923.0    |
| SECTION        | : | 122+300E |
| R.F.E.         | : | S2       |
| RFE DIRECTION: |   | 210      |
| PLUNGE ANGLE : |   | 0        |
| PLUNGE DIRECT: |   | 0        |
| DHD CALC:      |   | 0        |
| SS CALC:       |   | 0        |

## DETAIL RECORD COUNTS:

|                       |    |
|-----------------------|----|
| NOS ORE-SAMPLES:      | 14 |
| NOS DOWN-H-SURVEYS:   | 8  |
| NOS DOWN-H-LITHOLOGY: | 89 |
| NOS DOWN-H-STRUCTURE: | 84 |
| NOS DOWN-H-FAULTS:    | 94 |
| NOS DOWN-H-SPLINES:   | 0  |
| NOS COMPOSITES:       | 0  |

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## ORE SAMPLES &amp; ASSAYS (DH020)

PAGE: 20

DDH: 84F-04 UTM-N: 7,355.1 UTM-E: 13,783.6 UTM-ELEV: 3,960.3 TOTAL DEPTH: 923.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| ---DEPTHS--- |       | SAMPLE NO. | INT. | REC. | ROCK UNIT | S.G. PULP | ASSAYS |      |       |             |             |             |      |      |        |       |      |      |      |      | S.G. W.R. |
|--------------|-------|------------|------|------|-----------|-----------|--------|------|-------|-------------|-------------|-------------|------|------|--------|-------|------|------|------|------|-----------|
| FROM         | TO    |            |      |      |           |           | Cu %   | Pb % | Zn %  | Ag(AA) g/mT | Ag(FA) g/mT | Au(FA) g/mT | Po % | Py % | TOT Fe | BaO % | Hg % | Mn % | As % | Ba % |           |
| 840.9        | 847.9 | 33729      | 7.0  | 7.0  | 2A04      | 3.00      | .05    | 1.34 | 3.72  | 21.15       |             | .10         | 4    | 2    | 6      | .17   |      | .05  |      |      |           |
| 847.9        | 850.1 | 33730      | 2.2  | 2.2  | 1F40      | 2.97      | .06    | 1.24 | 4.26  | 22.08       |             | .10         | 8    | 3    | 12     | .58   |      | .05  |      |      |           |
| 850.1        | 851.8 | 33731      | 1.7  | 1.7  | 2E43      | 3.58      | .10    | 4.80 | 12.60 | 75.58       |             | .10         | 12   | 7    | 19     | 1.04  |      | .12  |      |      |           |
| 851.8        | 854.0 | 33732      | 2.2  | 2.1  | 1F0       | 2.80      | .05    | .25  | .33   | 5.91        |             | .10         | 4    | 2    | 7      | 1.00  |      | .06  |      |      |           |
| 854.0        | 856.9 | 33733      | 2.9  | 2.9  | 2B4       | 2.86      | .03    | 1.26 | 3.14  | 21.46       |             | .10         | 2    | 1    | 4      | .47   |      | .02  |      |      |           |
| 856.9        | 860.0 | 33734      | 3.1  | 2.8  | 2A14      | 3.02      | .05    | 1.60 | 3.33  | 29.24       |             | .30         | 4    | 1    | 6      | .38   |      | .02  |      |      |           |
| 860.0        | 862.8 | 33735      | 2.8  | 2.8  | 2B4       | 2.96      | .07    | 3.01 | 4.83  | 86.78       |             | .80         | 4    | 2    | 7      | .21   |      | .04  |      |      |           |
| 862.8        | 864.4 | 33736      | 1.6  | 1.6  | 1F40      | 3.13      | .11    | 5.21 | 6.43  | 139.97      |             | .30         | 9    | 3    | 13     | .11   |      | .08  |      |      |           |
| 864.4        | 865.9 | 33737      | 1.5  | 1.2  | 2E43      | 3.93      | .22    | 6.47 | 8.63  | 206.53      |             | .40         | 9    | 16   | 26     | .02   |      | .10  |      |      |           |
| 865.9        | 868.8 | 33738      | 2.9  | 2.7  | 1F40      | 2.97      | .06    | .80  | 1.81  | 19.91       |             | .10         | 10   | 1    | 12     | .16   |      | .06  |      |      |           |
| 868.8        | 872.2 | 33739      | 3.4  | 3.4  | 2E34      | 3.75      | .22    | 1.98 | 3.38  | 49.45       |             | .10         | 13   | 17   | 30     | .10   |      | .08  |      |      |           |
| 872.2        | 875.5 | 33740      | 3.3  | 3.3  | 0Q0       | 2.90      | .06    | .11  | .20   | 3.42        |             | .10         | 3    | 2    | 6      | .18   |      | .04  |      |      |           |
| 875.5        | 877.7 | 33741      | 2.2  | 2.1  | 2A0       | 2.82      | .05    | .85  | 1.66  | 22.39       |             | .30         | 3    | 3    | 6      | .13   |      | .02  |      |      |           |
| 877.7        | 880.1 | 33742      | 2.4  | 1.6  | 2C0       | 2.91      | .07    | .56  | 1.13  | 10.57       |             | .30         | 3    | 3    | 6      | .10   |      | .03  |      |      |           |

## WEIGHTED AVERAGE

840.9 880.1 39.2 37.4 3.08 .07 1.74 3.50 40.29 .20 6 4 10 .29 .05

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DOWN-HOLE SURVEYS (DH020)

PAGE: 21

DDH: 84F-04 UTM-N: 7,355.1 UTM-E: 13,783.6 UTM-ELEV: 3,960.3 TOTAL DEPTH: 923.0 SECTION: 122+300E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH   | ZENITH  | AZIMUTH |
|---------|---------|---------|
| 0.000   | 179.200 | 313.000 |
| 60.000  | 179.200 | 313.000 |
| 210.000 | 178.300 | 324.000 |
| 410.000 | 176.000 | 18.000  |
| 610.000 | 173.700 | 25.000  |
| 710.000 | 172.000 | 25.000  |
| 810.000 | 169.900 | 28.000  |
| 910.000 | 169.000 | 25.000  |

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DOWN-HOLE LITHOLOGY (DH020)

PAGE: 22

DDH: 84F-04 UTM-N: 7,355.1 UTM-E: 13,783.6 UTM-ELEV: 3,960.3 TOTAL DEPTH: 923.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH | UNIT | CODE | DESC          | RECOVERY | IND |
|-------|------|------|---------------|----------|-----|
| 16.0  | 0001 | *    | OVERBURDEN    | 0.0      | 0   |
| 27.3  | 0002 | 3D63 | 8(3D438)      | 0.0      | 0   |
| 35.7  | 0003 | 3D44 | 8             | 0.0      | 0   |
| 41.8  | 0004 | 3D43 | (3D5)         | 0.0      | 0   |
| 42.7  | 0005 | 3C8  |               | 0.0      | 0   |
| 49.8  | 0006 | 3D4  | (0Q0,3D5)>3D0 | 0.0      | 0   |
| 69.3  | 0007 | 3D03 | 8(3D5)        | 0.0      | 0   |
| 98.6  | 0008 | 3C8  |               | 0.0      | 0   |
| 103.7 | 0009 | 3D58 |               | 0.0      | 0   |
| 112.0 | 0010 | 3D03 |               | 0.0      | 0   |
| 119.0 | 0011 | 3C81 | (3D08)>3C8    | 0.0      | 0   |
| 143.1 | 0012 | 3D28 |               | 0.0      | 0   |
| 154.9 | 0013 | 3D03 | 8(0Q0)        | 0.0      | 0   |
| 184.0 | 0014 | 3D5  | (3D4,3D58)    | 0.0      | 0   |
| 210.2 | 0015 | 3D6  | [3D43] (3D61) | 0.0      | 0   |
| 216.1 | 0016 | 3D43 | (0Q0)         | 0.0      | 0   |
| 230.1 | 0017 | 3D04 | 3             | 0.0      | 0   |
| 247.6 | 0018 | 3D0  | (0Q0)         | 0.0      | 0   |
| 256.8 | 0019 | 3D01 |               | 0.0      | 0   |
| 264.5 | 0020 | 3D01 | (3D4)         | 0.0      | 0   |
| 267.8 | 0021 | 3D01 |               | 0.0      | 0   |
| 283.2 | 0022 | 3D01 | (2D5,0Q0)     | 0.0      | 0   |
| 295.1 | 0023 | 3D4  | (3D2[3D5])    | 0.0      | 0   |
| 321.0 | 0024 | 3D6  | (3D4,0Q0)     | 0.0      | 0   |
| 328.5 | 0025 | 3D4  | (3D4,3D0)     | 0.0      | 0   |
| 331.0 | 0026 | 3D04 | 8             | 0.0      | 0   |
| 337.0 | 0027 | 3D4  | (3D6)         | 0.0      | 0   |
| 348.8 | 0028 | 3D0  | (3D4,0Q0)     | 0.0      | 0   |
| 357.1 | 0029 | 3D0  |               | 0.0      | 0   |
| 365.4 | 0030 | 3D23 | (3D0,3C8)     | 0.0      | 0   |
| 383.7 | 0031 | 3D0  | (3D23)        | 0.0      | 0   |
| 393.8 | 0032 | 3D2  | (3D4)         | 0.0      | 0   |
| 402.5 | 0033 | 3D43 | (3D0,3C8)     | 0.0      | 0   |
| 434.4 | 0034 | 3D0  |               | 0.0      | 0   |
| 445.3 | 0035 | 3D8  | (3C8)         | 0.0      | 0   |
| 451.3 | 0036 | 3D0  | (3D5)         | 0.0      | 0   |
| 458.3 | 0037 | 3D28 | [3C*1]        | 0.0      | 0   |
| 460.6 | 0038 | 3D09 | 2[3E01]       | 0.0      | 0   |
| 468.9 | 0039 | 3C08 | (3D5)         | 0.0      | 0   |
| 477.0 | 0040 | 3D44 | 3(3D5)        | 0.0      | 0   |
| 480.9 | 0041 | 3D03 |               | 0.0      | 0   |
| 486.7 | 0042 | 3D5  | (3C0)         | 0.0      | 0   |
| 489.5 | 0043 | 3D43 | 49            | 0.0      | 0   |
| 494.7 | 0044 | 3D43 |               | 0.0      | 0   |
| 502.7 | 0045 | 3C0  |               | 0.0      | 0   |
| 508.8 | 0046 | 3D03 | (0Q0)         | 0.0      | 0   |
| 512.4 | 0047 | 3C0  |               | 0.0      | 0   |
| 518.9 | 0048 | 3D0  | (3D5,3C0)     | 0.0      | 0   |
| 525.9 | 0049 | 1E0  | (3C0,3D03)    | 0.0      | 0   |
| 529.4 | 0050 | 3D03 | (3C3,1E0)     | 0.0      | 0   |
| 534.4 | 0051 | 1E0  | (1D2)         | 0.0      | 0   |

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 23

DDH: 84F-04 UTM-N: 7,355.1 UTM-E: 13,783.6 UTM-ELEV: 3,960.3 TOTAL DEPTH: 923.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH | UNIT | CODE | DESC       | RECOVERY | IND |
|-------|------|------|------------|----------|-----|
| 551.2 | 0052 | 1D6  | (0Q0)      | 0.0      | 0   |
| 558.0 | 0053 | 1D0  | (0Q0,0Q9)  | 0.0      | 0   |
| 559.7 | 0054 | 3D03 | (3C3)      | 0.0      | 0   |
| 566.5 | 0055 | 1D0  | 6(0Q0)     | 0.0      | 0   |
| 569.1 | 0056 | 3D02 |            | 0.0      | 0   |
| 583.4 | 0057 | 1D0  |            | 0.0      | 0   |
| 585.8 | 0058 | 3D03 | (1D0)      | 0.0      | 0   |
| 591.6 | 0059 | 1D0  |            | 0.0      | 0   |
| 614.8 | 0060 | 1D0  | (1D6,0Q0)  | 0.0      | 0   |
| 633.5 | 0061 | 1D0  |            | 0.0      | 0   |
| 642.9 | 0062 | 1D0  | 4          | 0.0      | 0   |
| 657.9 | 0063 | 1D0  |            | 0.0      | 0   |
| 669.4 | 0064 | 1D0  | (1CD,0Q0)  | 0.0      | 0   |
| 723.7 | 0065 | 1D0  | (0Q0)      | 0.0      | 0   |
| 769.0 | 0066 | 1D0  |            | 0.0      | 0   |
| 774.4 | 0067 | 1CD  |            | 0.0      | 0   |
| 825.6 | 0068 | 1D0  | (0Q0)      | 0.0      | 0   |
| 829.6 | 0069 | 1D0  |            | 0.0      | 0   |
| 832.3 | 0070 | 1D0  | 4(0Q0)     | 0.0      | 0   |
| 837.2 | 0071 | 1D0  | 1E*(0Q0)   | 0.0      | 0   |
| 840.9 | 0072 | 0Q9  | (1E0)      | 0.0      | 0   |
| 847.9 | 0073 | 2A0  | 4(2L0,2E3) | 0.0      | 0   |
| 850.1 | 0074 | 1F40 | (2D0)      | 0.0      | 0   |
| 851.8 | 0075 | 2E43 | 7          | 0.0      | 0   |
| 854.0 | 0076 | 1F0  |            | 0.0      | 0   |
| 856.9 | 0077 | 2B4  |            | 0.0      | 0   |
| 860.0 | 0078 | 2A14 |            | 0.0      | 0   |
| 862.8 | 0079 | 2B4  | (2E34,7)   | 0.0      | 0   |
| 864.4 | 0080 | 1F40 |            | 0.0      | 0   |
| 865.9 | 0081 | 2E43 | 7          | 0.0      | 0   |
| 868.8 | 0082 | 1F40 | (2Q0)      | 0.0      | 0   |
| 872.2 | 0083 | 2E34 | 1(1F40)    | 0.0      | 0   |
| 875.5 | 0084 | 0Q0  | (2L21,2Q0) | 0.0      | 0   |
| 877.7 | 0085 | 2A0  |            | 0.0      | 0   |
| 880.1 | 0086 | 2C0  | [2Q0]      | 0.0      | 0   |
| 881.1 | 0087 | 1D21 | 9          | 0.0      | 0   |
| 883.0 | 0088 | 1D4  |            | 0.0      | 0   |
| 923.0 | 0089 | 1D0  | (1D6,0Q0)  | 0.0      | 0   |

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DOWN-HOLE STRUCTURE (DH020)

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DDH: 84F-04 UTM-N: 7,355.1 UTM-E: 13,783.6 UTM-ELEV: 3,960.3 TOTAL DEPTH: 923.0 SECTION: 122+300E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT | SYNTRY | S0 | ANGLE | DIRECT | S1 | ANGLE | DIRECT | S2 | ANGLE | DIRECT | RFE | CDE | DHDC | SDC | PROCESS |
|--------|---------|---------|------|--------|----|-------|--------|----|-------|--------|----|-------|--------|-----|-----|------|-----|---------|
| 84F-04 | 0.0     | 27.0    | PS2  |        | 0  |       | 0      | 0  |       | 62     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 37.0    | PS2  |        | 0  |       | 0      | 0  |       | 70     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 45.7    | PS2  |        | 0  |       | 0      | 0  |       | 69     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 57.0    | PS2  |        | 0  |       | 0      | 0  |       | 75     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 67.0    | PS2  |        | 0  |       | 0      | 0  |       | 68     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 77.0    | PS2  |        | 0  |       | 0      | 0  |       | 63     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 87.0    | PS2  |        | 0  |       | 0      | 0  |       | 0      |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 97.0    | PS2  |        | 0  |       | 0      | 0  |       | 59     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 112.0   | PS2  |        | 0  |       | 0      | 0  |       | 6      |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 130.0   | PS2  |        | 0  |       | 0      | 0  |       | 70     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 139.0   | PS2  |        | 0  |       | 0      | 0  |       | 66     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 153.0   | PS2  |        | 0  |       | 0      | 0  |       | 58     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 168.0   | PS2  |        | 0  |       | 0      | 0  |       | 65     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 175.0   | PS2  |        | 0  |       | 0      | 0  |       | 63     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 193.0   | PS2  |        | 0  |       | 0      | 0  |       | 62     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 203.0   | PS2  |        | 0  |       | 0      | 0  |       | 57     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 216.0   | PS2  |        | 0  |       | 0      | 0  |       | 61     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 226.0   | PS2  |        | 0  |       | 0      | 0  |       | 64     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 237.0   | PS2  |        | 0  |       | 0      | 0  |       | 54     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 247.0   | PS2  |        | 0  |       | 0      | 0  |       | 66     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 257.0   | PS2  |        | 0  |       | 0      | 0  |       | 72     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 267.0   | PS2  |        | 0  |       | 0      | 0  |       | 70     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 277.0   | PS2  |        | 0  |       | 0      | 0  |       | 65     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 292.0   | PS2  |        | 0  |       | 0      | 0  |       | 62     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 302.0   | PS2  |        | 0  |       | 0      | 0  |       | 65     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 312.0   | PS2  |        | 0  |       | 0      | 0  |       | 65     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 322.5   | PS2  |        | 0  |       | 0      | 0  |       | 66     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 332.5   | PS2  |        | 0  |       | 0      | 0  |       | 62     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 342.5   | PS2  |        | 0  |       | 0      | 0  |       | 62     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 354.0   | PS2  |        | 0  |       | 0      | 0  |       | 68     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 366.0   | PS2  |        | 0  |       | 0      | 0  |       | 70     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 376.0   | PS2  |        | 0  |       | 0      | 0  |       | 66     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 386.0   | PS2  |        | 0  |       | 0      | 0  |       | 73     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 396.0   | PS2  |        | 0  |       | 0      | 0  |       | 66     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 406.5   | PS2  |        | 0  |       | 0      | 0  |       | 66     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 416.5   | PS2  |        | 0  |       | 0      | 0  |       | 72     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 427.0   | PS2  |        | 0  |       | 0      | 0  |       | 68     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 437.0   | PS2  |        | 0  |       | 0      | 0  |       | 70     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 448.5   | PS2  |        | 0  |       | 0      | 0  |       | 78     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 457.0   | PS2  |        | 0  |       | 0      | 0  |       | 74     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 467.0   | PS2  |        | 0  |       | 0      | 0  |       | 68     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 477.0   | PS2  |        | 0  |       | 0      | 0  |       | 68     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 487.0   | PS2  |        | 0  |       | 0      | 0  |       | 70     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 497.0   | PS2  |        | 0  |       | 0      | 0  |       | 70     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 512.0   | PS2  |        | 0  |       | 0      | 0  |       | 68     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 523.0   | PS2  |        | 0  |       | 0      | 0  |       | 75     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 547.0   | PS2  |        | 0  |       | 0      | 0  |       | 77     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 557.0   | PS2  |        | 0  |       | 0      | 0  |       | 80     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 567.0   | PS2  |        | 0  |       | 0      | 0  |       | 85     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 577.0   | PS2  |        | 0  |       | 0      | 0  |       | 68     |    | 210   |        | 0   |     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 587.0   | PS2  |        | 0  |       | 0      | 0  |       | 70     |    | 210   |        | 0   |     | 0    | 0   | 1       |

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DOWN-HOLE STRUCTURE (DH020)

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DDH: 84F-04 UTM-N: 7,355.1 UTM-E: 13,783.6 UTM-ELEV: 3,960.3 TOTAL DEPTH: 923.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT SYMTRY | S0 ANGLE DIRECT | S1 ANGLE DIRECT | S2 ANGLE DIRECT | RFE CDE | DHDC | SDC | PROCESS |
|--------|---------|---------|-------------|-----------------|-----------------|-----------------|---------|------|-----|---------|
| 84F-04 | 0.0     | 597.0   | PS2         | 0               | 0               | 67              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 607.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 617.0   | PS2         | 0               | 0               | 68              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 627.0   | PS2         | 0               | 0               | 55              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 640.0   | PS2         | 0               | 0               | 85              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 647.0   | PS2         | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 657.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 667.0   | PS2         | 0               | 0               | 72              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 677.0   | PS2         | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 685.5   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 694.5   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 699.5   | CS4         | 0               | 73              | 48              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 704.5   | CS4         | 0               | 60              | 48              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 715.5   | PS2         | 0               | 0               | 64              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 725.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 735.0   | CS4         | 0               | 75              | 77              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 745.0   | CS4         | 0               | 50              | 75              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 755.5   | PS2         | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 763.0   | CS4         | 0               | 82              | 65              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 771.3   | CS4         | 0               | 35              | 58              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 777.7   | CS4         | 0               | 65              | 84              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 793.2   | CS4         | 0               | 45              | 60              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 801.3   | CS4         | 0               | 73              | 80              | 220     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 815.0   | PS2         | 0               | 0               | 72              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 826.4   | PS2         | 0               | 0               | 42              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 858.7   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 863.5   | PS2         | 0               | 0               | 52              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 867.7   | PS2         | 0               | 0               | 68              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 876.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 892.0   | PS2         | 0               | 0               | 72              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 904.0   | PS2         | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 913.0   | PS2         | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-04 | 0.0     | 923.0   | PS2         | 0               | 0               | 70              | 210     | 0    | 0   | 1       |

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## DOWN-HOLE FAULTS (DH020)

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DDH: 84F-04 UTM-N: 7,355.1 UTM-E: 13,783.6 UTM-ELEV: 3,960.3 TOTAL DEPTH: 923.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT REC CD | PARLL | UPPER PLANE | INTERNAL PLANE | LOWER PLANE | DHD |
|--------|---------|---------|-------------|-------|-------------|----------------|-------------|-----|
| 84F-04 | 16.0    | 25.5    | 2RB         |       | 0           | 0              | 0           | 0   |
| 84F-04 | 30.6    | 32.0    | J1B         |       | 20          | 270            | 0           | 0   |
| 84F-04 | 0.0     | 41.0    | J           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 41.8    | 44.0    | B           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 49.9    | SIG         |       | 0           | 0              | 52          | 355 |
| 84F-04 | 57.0    | 64.8    | J1B         |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 70.4    | J           |       | 0           | 0              | 34          | 270 |
| 84F-04 | 0.0     | 76.6    | IS          |       | 0           | 0              | 99          | 999 |
| 84F-04 | 0.0     | 80.7    | ISG         |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 88.1    | J           |       | 0           | 0              | 99          | 999 |
| 84F-04 | 97.7    | 104.4   | J           |       | 0           | 0              | 7           | 90  |
| 84F-04 | 0.0     | 116.3   | IS          |       | 0           | 0              | 99          | 999 |
| 84F-04 | 117.9   | 120.7   | SIG         |       | 99          | 999            | 0           | 0   |
| 84F-04 | 0.0     | 123.8   | J           |       | 0           | 0              | 31          | 270 |
| 84F-04 | 0.0     | 126.3   | ISG         |       | 0           | 0              | 99          | 999 |
| 84F-04 | 132.0   | 137.4   | J           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 137.4   | 142.8   | BR          |       | 0           | 0              | 0           | 0   |
| 84F-04 | 142.8   | 147.8   | J1B         |       | 0           | 0              | 22          | 90  |
| 84F-04 | 0.0     | 156.1   | SXG         |       | 0           | 0              | 18          | 90  |
| 84F-04 | 157.3   | 172.5   | FV          |       | 0           | 0              | 0           | 0   |
| 84F-04 | 173.4   | 176.7   | SGF         |       | 38          | 0              | 0           | 0   |
| 84F-04 | 176.7   | 183.2   | J           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 183.2   | 186.0   | GXJ         |       | 99          | 999            | 0           | 0   |
| 84F-04 | 0.0     | 186.7   | IS          |       | 0           | 0              | 99          | 999 |
| 84F-04 | 0.0     | 188.8   | J           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 193.8   | ISG         |       | 0           | 0              | 25          | 0   |
| 84F-04 | 228.6   | 229.5   | XGV         |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 311.5   | V           |       | 0           | 0              | 99          | 999 |
| 84F-04 | 311.8   | 313.4   | J           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 340.8   | 342.0   | XJ          |       | 0           | 0              | 0           | 0   |
| 84F-04 | 358.3   | 364.5   | JB          |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 364.7   | SIG         |       | 0           | 0              | 60          | 35  |
| 84F-04 | 0.0     | 373.2   | SIG         |       | 0           | 0              | 99          | 999 |
| 84F-04 | 0.0     | 373.3   | JV          |       | 0           | 0              | 24          | 270 |
| 84F-04 | 0.0     | 392.6   | BS          |       | 0           | 0              | 15          | 0   |
| 84F-04 | 0.0     | 410.4   | IS          |       | 0           | 0              | 99          | 999 |
| 84F-04 | 0.0     | 411.5   | J           |       | 0           | 0              | 16          | 290 |
| 84F-04 | 0.0     | 428.0   | X           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 436.5   | SIG         |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 441.0   | J1B         |       | 0           | 0              | 9           | 180 |
| 84F-04 | 0.0     | 445.2   | J           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 448.0   | VB          |       | 0           | 0              | 45          | 0   |
| 84F-04 | 467.0   | 468.2   | BJ          |       | 0           | 0              | 99          | 999 |
| 84F-04 | 500.0   | 503.0   | BSV         |       | 99          | 999            | 58          | 180 |
| 84F-04 | 0.0     | 512.0   | SVG         |       | 0           | 0              | 0           | 0   |
| 84F-04 | 0.0     | 515.5   | IS          |       | 0           | 0              | 99          | 999 |
| 84F-04 | 518.5   | 529.3   | J           |       | 0           | 0              | 0           | 0   |
| 84F-04 | 529.3   | 534.4   | 3SG         |       | 55          | 190            | 0           | 0   |
| 84F-04 | 0.0     | 554.7   | IS          |       | 0           | 0              | 46          | 270 |
| 84F-04 | 0.0     | 585.3   | J           |       | 0           | 0              | 45          | 330 |
| 84F-04 | 0.0     | 629.2   | S           |       | 0           | 0              | 54          | 60  |

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DOWN-HOLE FAULTS (DH020)

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DDH: 84F-04 UTM-N: 7,355.1 UTM-E: 13,783.6 UTM-ELEV: 3,960.3 TOTAL DEPTH: 923.0 SECTION: 122+300E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT REC CD | PARLL | UPPER PLANE | INTERNAL PLANE | LOWER PLANE | DHD |    |     |   |
|--------|---------|---------|-------------|-------|-------------|----------------|-------------|-----|----|-----|---|
| 84F-04 | 630.4   | 631.4   | SXG         |       | 55          | 330            | 0           | 0   | 99 | 999 | 0 |
| 84F-04 | 632.4   | 634.2   | SIX         |       | 0           | 0              | 0           | 0   | 51 | 350 | 0 |
| 84F-04 | 0.0     | 637.5   | IS          |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 638.9   | ISG         |       | 0           | 0              | 63          | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 647.2   | J           |       | 0           | 0              | 12          | 90  | 0  | 0   | 0 |
| 84F-04 | 0.0     | 668.1   | J           |       | 0           | 0              | 30          | 90  | 0  | 0   | 0 |
| 84F-04 | 678.0   | 681.1   | SG          |       | 45          | 90             | 0           | 0   | 35 | 90  | 0 |
| 84F-04 | 0.0     | 682.3   | BIS         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 688.4   | 689.5   | BSG         |       | 0           | 0              | 99          | 999 | 0  | 0   | 0 |
| 84F-04 | 0.0     | 693.2   | IS          |       | 0           | 0              | 38          | 0   | 0  | 0   | 0 |
| 84F-04 | 696.6   | 701.0   | IB          |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 710.3   | SIG         |       | 0           | 0              | 45          | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 712.1   | S           |       | 0           | 0              | 25          | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 713.4   | SIG         |       | 0           | 0              | 99          | 999 | 0  | 0   | 0 |
| 84F-04 | 0.0     | 715.0   | J           |       | 0           | 0              | 20          | 10  | 0  | 0   | 0 |
| 84F-04 | 729.3   | 730.5   | VIS         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 744.1   | IS          |       | 0           | 0              | 99          | 999 | 0  | 0   | 0 |
| 84F-04 | 0.0     | 751.5   | G           |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 756.6   | 757.2   | SIG         |       | 0           | 0              | 38          | 90  | 0  | 0   | 0 |
| 84F-04 | 757.9   | 759.0   | SGV         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 783.0   | 784.2   | VGS         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 785.4   | VIG         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 792.2   | ISG         |       | 0           | 0              | 99          | 999 | 0  | 0   | 0 |
| 84F-04 | 0.0     | 794.1   | ISG         |       | 0           | 0              | 99          | 999 | 0  | 0   | 0 |
| 84F-04 | 0.0     | 799.5   | VB          |       | 0           | 0              | 99          | 999 | 0  | 0   | 0 |
| 84F-04 | 0.0     | 809.7   | GS          |       | 0           | 0              | 0           | 0   | 45 | 220 | 0 |
| 84F-04 | 0.0     | 820.6   | J           |       | 0           | 0              | 62          | 220 | 0  | 0   | 0 |
| 84F-04 | 0.0     | 822.1   | IS          |       | 0           | 0              | 55          | 340 | 0  | 0   | 0 |
| 84F-04 | 823.2   | 824.2   | 2S          |       | 38          | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 828.5   | 831.0   | FSG         |       | 99          | 999            | 0           | 0   | 45 | 340 | 0 |
| 84F-04 | 831.2   | 832.5   | VGS         |       | 0           | 0              | 99          | 999 | 0  | 0   | 0 |
| 84F-04 | 834.6   | 840.9   | BXV         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 840.9   | 842.9   | IBJ         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 842.9   | 844.9   | BRG         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 844.9   | 846.2   | BIG         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 854.2   |             |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 870.0   | 871.6   | D           |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 871.8   | J           |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 872.8   | 874.9   | B1J         |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 881.8   | 883.0   | ISG         |       | 0           | 0              | 20          | 90  | 0  | 0   | 0 |
| 84F-04 | 0.0     | 908.0   | SG          |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |
| 84F-04 | 0.0     | 917.8   | JV          |       | 0           | 0              | 20          | 180 | 0  | 0   | 0 |
| 84F-04 | 0.0     | 922.6   | VG          |       | 0           | 0              | 0           | 0   | 0  | 0   | 0 |

|                |   |          |
|----------------|---|----------|
| DRILL HOLE     | : | 84F-09   |
| NORTHING       | : | 6,504.6  |
| EASTING        | : | 14,501.2 |
| ELEVATION      | : | 4,020.6  |
| TOTAL DEPTH    | : | 814.0    |
| SECTION        | : | 132+000E |
| R.F.E.         | : | S2       |
| RFE DIRECTION: |   | 210      |
| PLUNGE ANGLE : |   | 0        |
| PLUNGE DIRECT: |   | 0        |
| DHD CALC:      |   | 0        |
| SS CALC:       |   | 0        |

## DETAIL RECORD COUNTS:

|                       |    |
|-----------------------|----|
| NOS ORE-SAMPLES:      | 7  |
| NOS DOWN-H-SURVEYS:   | 7  |
| NOS DOWN-H-LITHOLOGY: | 50 |
| NOS DOWN-H-STRUCTURE: | 68 |
| NOS DOWN-H-FAULTS:    | 27 |
| NOS DOWN-H-SPLINES:   | 0  |
| NOS COMPOSITES:       | 0  |

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## ORE SAMPLES &amp; ASSAYS (DH020)

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DDH: 84F-09 UTM-N: 6,504.6 UTM-E: 14,501.2 UTM-ELEV: 4,020.6 TOTAL DEPTH: 814.0 SECTION: 132+000E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| ---DEPTHS--- |       | SAMPLE INT. REC. |     | ROCK<br>UNIT | S.G.<br>PULP | ASSAYS  |         |         |                |                |                |         |         |           |          |         |         |         | S.G.<br>W.R. |
|--------------|-------|------------------|-----|--------------|--------------|---------|---------|---------|----------------|----------------|----------------|---------|---------|-----------|----------|---------|---------|---------|--------------|
| FROM         | TO    | NO.              |     |              |              | Cu<br>% | Pb<br>% | Zn<br>% | Ag(AA)<br>g/mT | Ag(FA)<br>g/mT | Au(FA)<br>g/mT | Po<br>% | Py<br>% | TOT<br>Fe | BaO<br>% | Hg<br>% | Mn<br>% | As<br>% | Ba<br>%      |
| 747.1        | 751.0 | 33772            | 3.9 | 3.8          | 2D4          | 3.36    | .13     | 5.14    | 9.20           | 116.64         | .40            | 7       | 7       | 14        | .09      |         | .12     |         |              |
| 751.0        | 753.9 | 33773            | 2.9 | 2.9          | 2A1          | 2.79    | .15     | .39     | .87            | 9.33           | .10            | 4       | 4       | 8         | .21      |         | .04     |         |              |
| 753.9        | 756.3 | 33774            | 2.4 | 2.4          | 2D09         | 3.37    | .22     | 2.94    | 5.83           | 50.70          | .30            | 7       | 11      | 18        | .08      |         | .10     |         |              |
| 756.3        | 759.6 | 33775            | 3.3 | 3.3          | 2D0          | 2.89    | .09     | 4.08    | 3.41           | 74.96          | .30            | 3       | 3       | 6         | .22      |         | .05     |         |              |
| 759.6        | 763.0 | 33776            | 3.4 | 3.4          | 2B0          | 2.69    | .06     | .76     | 1.67           | 16.48          | .10            | 2       | 1       | 3         | .30      |         | .03     |         |              |
| 763.0        | 767.7 | 33777            | 4.7 | 4.7          | 2A41         | 2.99    | .08     | 5.22    | 3.69           | 110.73         | .50            | 2       | 2       | 5         | .24      |         | .05     |         |              |
| 767.7        | 772.5 | 33778            | 4.8 | 4.8          | 2A41         | 2.74    | .05     | 1.15    | 2.86           | 21.15          | .10            | 2       | 1       | 3         | .15      |         | .04     |         |              |

## WEIGHTED AVERAGE

|       |       |      |      |      |     |      |      |       |     |   |   |   |     |  |     |
|-------|-------|------|------|------|-----|------|------|-------|-----|---|---|---|-----|--|-----|
| 747.1 | 772.5 | 25.4 | 25.3 | 2.95 | .10 | 2.92 | 3.95 | 60.19 | .26 | 3 | 4 | 7 | .18 |  | .05 |
|-------|-------|------|------|------|-----|------|------|-------|-----|---|---|---|-----|--|-----|

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DOWN-HOLE SURVEYS (DH020)

PAGE: 30

DDH: 84F-09 UTM-N: 6,504.6 UTM-E: 14,501.2 UTM-ELEV: 4,020.6 TOTAL DEPTH: 814.0 SECTION: 132+000E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH   | ZENITH  | AZINUTH |
|---------|---------|---------|
| 0.000   | 180.000 | 0.000   |
| 101.000 | 179.800 | 43.000  |
| 301.000 | 178.000 | 26.000  |
| 501.000 | 173.900 | 31.000  |
| 601.000 | 171.900 | 24.000  |
| 701.000 | 170.300 | 23.000  |
| 801.000 | 170.100 | 36.000  |

05FEB85 THE IMPERIAL ANVIL

DOWN-HOLE LITHOLOGY (DH020)

PAGE: 31

DDH: 84F-09 UTM-N: 6,504.6 UTM-E: 14,501.2 UTM-ELEV: 4,020.6 TOTAL DEPTH: 814.0 SECTION: 132+000E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DEPTH | UNIT | CODE | DESC           | RECOVERY | IND |
|-------|------|------|----------------|----------|-----|
| 10.0  | 0001 | *    | OB TRICONED    | 0.0      | 0   |
| 33.0  | 0002 | 3D28 | 3              | 0.0      | 0   |
| 44.0  | 0003 | 3D73 |                | 0.0      | 0   |
| 62.6  | 0004 | 3D28 | 3              | 0.0      | 0   |
| 74.2  | 0005 | 3D23 | 4              | 0.0      | 0   |
| 84.7  | 0006 | 3D24 | 9<3D6>         | 0.0      | 0   |
| 101.3 | 0007 | 3D24 | 83             | 0.0      | 0   |
| 109.1 | 0008 | 3D63 | 8              | 0.0      | 0   |
| 116.5 | 0009 | 3D24 | 8              | 0.0      | 0   |
| 135.5 | 0010 | 3D4  | <3D63>         | 0.0      | 0   |
| 148.0 | 0011 | 3D2  |                | 0.0      | 0   |
| 163.6 | 0012 | 3D3  | >3D2           | 0.0      | 0   |
| 183.7 | 0013 | 3D23 | <3B3>          | 0.0      | 0   |
| 198.0 | 0014 | 3D08 | <3C0>          | 0.0      | 0   |
| 273.8 | 0015 | 3D4  | >3D63          | 0.0      | 0   |
| 283.5 | 0016 | 3D64 | 9              | 0.0      | 0   |
| 310.5 | 0017 | 3D4  |                | 0.0      | 0   |
| 324.9 | 0018 | 3D44 | 8              | 0.0      | 0   |
| 331.2 | 0019 | 3D28 |                | 0.0      | 0   |
| 348.0 | 0020 | 3D4  |                | 0.0      | 0   |
| 354.6 | 0021 | 3D69 |                | 0.0      | 0   |
| 391.6 | 0022 | 3D01 | <3D4>          | 0.0      | 0   |
| 394.1 | 0023 | 0Q0  |                | 0.0      | 0   |
| 406.3 | 0024 | 3D0  | <3D4>          | 0.0      | 0   |
| 427.6 | 0025 | 3D0  | <3B0>          | 0.0      | 0   |
| 446.0 | 0026 | 3A0  |                | 0.0      | 0   |
| 466.7 | 0027 | 1D04 | 6              | 0.0      | 0   |
| 474.3 | 0028 | 1D43 | <0Q*>          | 0.0      | 0   |
| 499.9 | 0029 | 1D6  | <0Q0,1H3>      | 0.0      | 0   |
| 508.5 | 0030 | 1D3  | >3D4           | 0.0      | 0   |
| 564.6 | 0031 | 1D6  |                | 0.0      | 0   |
| 577.4 | 0032 | 1D04 | 2<0Q0&9,1D3>   | 0.0      | 0   |
| 595.0 | 0033 | 1D0  |                | 0.0      | 0   |
| 620.9 | 0034 | 1D0  | <0Q0>          | 0.0      | 0   |
| 635.0 | 0035 | 1D0  |                | 0.0      | 0   |
| 639.5 | 0036 | 1D24 | 9              | 0.0      | 0   |
| 647.1 | 0037 | 1D0  |                | 0.0      | 0   |
| 655.3 | 0038 | 1D2  | <1E0>          | 0.0      | 0   |
| 680.8 | 0039 | 1E0  | <1D2>          | 0.0      | 0   |
| 696.0 | 0040 | 1D04 | 2              | 0.0      | 0   |
| 722.4 | 0041 | 1CD  |                | 0.0      | 0   |
| 738.3 | 0042 | 1D0  | <0Q*9>         | 0.0      | 0   |
| 747.1 | 0043 | 1D4  | >2L0           | 0.0      | 0   |
| 751.0 | 0044 | 2D4  | <1H4>          | 0.0      | 0   |
| 753.9 | 0045 | 2A1  |                | 0.0      | 0   |
| 756.3 | 0046 | 2D04 | 4<2E4,2Q0,1H4> | 0.0      | 0   |
| 763.0 | 0047 | 2D0  |                | 0.0      | 0   |
| 772.5 | 0048 | 2A14 | <2A0,2D0>      | 0.0      | 0   |
| 786.8 | 0049 | 1D4  | <1E19>         | 0.0      | 0   |
| 814.0 | 0050 | 1C08 | <0Q0>          | 0.0      | 0   |

05FEB85 !THE IMPERIAL ANVIL!

DOWN-HOLE STRUCTURE (DH020)

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DDH: 84F-09 UTM-N: 6,504.6 UTM-E: 14,501.2 UTM-ELEV: 4,020.6 TOTAL DEPTH: 814.0 SECTION: 132+000E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT | SYNTRY | S0 ANGLE DIRECT | S1 ANGLE DIRECT | S2 ANGLE DIRECT | RFE CDE | DHDC | SDC | PROCESS |
|--------|---------|---------|------|--------|-----------------|-----------------|-----------------|---------|------|-----|---------|
| 84F-09 | 0.0     | 14.0    | PS2  |        | 0               | 0               | 45              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 28.5    | PS2  |        | 0               | 0               | 55              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 38.0    | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 49.0    | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 61.0    | PS2  |        | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 77.0    | PS2  |        | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 87.0    | PS2  |        | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 99.0    | PS2  |        | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 110.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 118.0   | PS2  |        | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 126.0   | PS2  |        | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 136.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 144.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 154.0   | PS2  |        | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 163.0   | PS2  |        | 0               | 0               | 35              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 168.0   | PS2  |        | 0               | 0               | 55              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 177.0   | PS2  |        | 0               | 0               | 35              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 184.0   | PS2  |        | 0               | 0               | 50              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 193.0   | PS2  |        | 0               | 0               | 50              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 201.0   | PS2  |        | 0               | 0               | 50              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 207.0   | PS2  |        | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 217.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 227.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 236.0   | PS2  |        | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 245.0   | PS2  |        | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 255.0   | PS2  |        | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 267.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 290.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 307.0   | PS2  |        | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 327.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 337.0   | PS2  |        | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 362.0   | PS2  |        | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 387.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 406.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 424.0   | PS2  |        | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 426.0   | PS2  |        | 0               | 0               | 45              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 438.0   | PS2  |        | 0               | 0               | 55              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 448.0   | PS2  |        | 0               | 0               | 55              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 455.0   | PS2  |        | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 472.0   | PS2  |        | 0               | 0               | 65              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 481.0   | PS2  |        | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 493.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 503.0   | CS4  | D      | 0               | 65              | 60              | 220     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 518.0   | PS2  |        | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 533.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 553.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 575.0   | PS2  |        | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 590.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 604.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 627.0   | CS4  |        | 0               | 80              | 30              | 220     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 635.0   | PS2  |        | 0               | 0               | 80              | 210     | 0    | 0   | 1       |

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DOWN-HOLE STRUCTURE (DH020)

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DDH: 84F-09 UTM-N: 6,504.6 UTM-E: 14,501.2 UTM-ELEV: 4,020.6 TOTAL DEPTH: 814.0 SECTION: 132+000E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT | SYNTRY | S0 ANGLE DIRECT | S1 ANGLE DIRECT | S2 ANGLE DIRECT | RFE CDE | DHDC | SDC | PROCESS |
|--------|---------|---------|------|--------|-----------------|-----------------|-----------------|---------|------|-----|---------|
| 84F-09 | 0.0     | 648.0   | PS2  |        | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 669.0   | PS2  |        | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 680.0   | PS2  |        | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 688.0   | PS2  |        | 0               | 0               | 45              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 702.0   | PS2  |        | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 712.0   | PS2  |        | 0               | 0               | 60              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 726.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 735.0   | PS2  |        | 0               | 0               | 75              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 746.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 753.0   | PS2  |        | 0               | 0               | 80              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 757.0   | PS2  |        | 0               | 0               | 20              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 762.0   | PS2  |        | 0               | 0               | 70              | 210     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 772.0   | CS4  | D      | 0               | 60              | 40              | 220     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 779.0   | CS4  | Z      | 0               | 40              | 40              | 220     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 785.0   | CS4  | Z      | 0               | 30              | 30              | 220     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 801.6   | CS4  | Z      | 0               | 60              | 40              | 220     | 0    | 0   | 1       |
| 84F-09 | 0.0     | 810.0   | CS4  | Z      | 0               | 40              | 25              | 220     | 0    | 0   | 1       |

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## DOWN-HOLE FAULTS (DH020)

PAGE: 34

DDH: 84F-09 UTM-N: 6,504.6 UTM-E: 14,501.2 UTM-ELEV: 4,020.6 TOTAL DEPTH: 814.0 SECTION: 132+000E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 0 SS CALC: 0

| DDH    | F DEPTH | T DEPTH | FEAT REC CD | PARLL | UPPER PLANE | INTERNAL PLANE | LOWER PLANE | DHD |
|--------|---------|---------|-------------|-------|-------------|----------------|-------------|-----|
| 84F-09 | 10.0    | 51.0    | 2B          |       | 0           | 0              | 0           | 0   |
| 84F-09 | 0.0     | 52.0    |             |       | 0           | 0              | 25          | 45  |
| 84F-09 | 63.0    | 65.5    | 2SJ         |       | 30          | 100            | 0           | 25  |
| 84F-09 | 66.0    | 74.2    | 2SX         |       | 15          | 10             | 0           | 25  |
| 84F-09 | 101.7   | 109.1   | BSX         |       | 0           | 0              | 0           | 35  |
| 84F-09 | 0.0     | 140.8   | 1SV         |       | 0           | 0              | 0           | 20  |
| 84F-09 | 155.7   | 161.5   | 1SB         |       | 10          | 180            | 0           | 15  |
| 84F-09 | 0.0     | 161.5   | 1SV         |       | 40          | 90             | 0           | 0   |
| 84F-09 | 0.0     | 190.1   | 2GX         |       | 0           | 0              | 0           | 50  |
| 84F-09 | 193.5   | 198.0   | 2XG         |       | 30          | 90             | 0           | 99  |
| 84F-09 | 0.0     | 211.6   | 2XS         |       | 30          | 90             | 0           | 0   |
| 84F-09 | 0.0     | 253.2   | VGS         |       | 0           | 0              | 0           | 99  |
| 84F-09 | 0.0     | 272.0   | XGS         |       | 25          | 30             | 0           | 0   |
| 84F-09 | 327.5   | 332.0   | 2J          |       | 15          | 200            | 0           | 25  |
| 84F-09 | 391.6   | 394.1   | V           |       | 0           | 0              | 0           | 40  |
| 84F-09 | 0.0     | 419.5   | 1S          |       | 0           | 0              | 0           | 25  |
| 84F-09 | 466.7   | 471.0   | 3GX         |       | 0           | 0              | 0           | 20  |
| 84F-09 | 0.0     | 474.5   |             |       | 0           | 0              | 0           | 25  |
| 84F-09 | 564.6   | 577.4   | 3V          |       | 0           | 0              | 0           | 0   |
| 84F-09 | 648.0   | 660.0   | 2SG         |       | 50          | 135            | 0           | 0   |
| 84F-09 | 680.1   | 688.3   | 3SX         |       | 25          | 170            | 0           | 0   |
| 84F-09 | 688.3   | 699.4   | 2SB         |       | 0           | 0              | 0           | 40  |
| 84F-09 | 725.8   | 732.0   | 1SV         |       | 35          | 170            | 0           | 0   |
| 84F-09 | 0.0     | 746.8   | 3GX         |       | 99          | 999            | 0           | 0   |
| 84F-09 | 0.0     | 749.7   | G?          |       | 0           | 0              | 0           | 0   |
| 84F-09 | 0.0     | 754.6   | V           |       | 0           | 0              | 0           | 0   |
| 84F-09 | 794.0   | 796.0   | 2SV         |       | 0           | 0              | 0           | 0   |

|                |   |          |
|----------------|---|----------|
| DRILL HOLE     | : | 84F-28   |
| NORTHING       | : | 8,969.9  |
| EASTING        | : | 16,296.9 |
| ELEVATION      | : | 4,254.0  |
| TOTAL DEPTH    | : | 350.0    |
| SECTION        | : | 129+000E |
| R.F.E.         | : | S2       |
| RFE DIRECTION: |   | 210      |
| PLUNGE ANGLE : |   | 0        |
| PLUNGE DIRECT: |   | 0        |
| DHD CALC:      |   | 1        |
| SS CALC:       |   | 1        |

## DETAIL RECORD COUNTS:

|                       |    |
|-----------------------|----|
| NOS ORE-SAMPLES:      | 0  |
| NOS DOWN-H-SURVEYS:   | 1  |
| NOS DOWN-H-LITHOLOGY: | 26 |
| NOS DOWN-H-STRUCTURE: | 29 |
| NOS DOWN-H-FAULTS:    | 22 |
| NOS DOWN-H-SPLINES:   | 1  |
| NOS COMPOSITES:       | 0  |

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DOWN-HOLE SURVEYS (DH020)

PAGE: 36

DDH: 84F-28 UTM-N: 8,969.9 UTM-E: 16,296.9 UTM-ELEV: 4,254.0 TOTAL DEPTH: 350.0 SECTION: 129+000E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 1

DEPTH ZENITH AZINUTH

0.000 180.000 0.000

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## DOWN-HOLE LITHOLOGY (DH020)

PAGE: 37

DDH: 84F-28 UTM-N: 8,969.9 UTM-E: 16,296.9 UTM-ELEV: 4,254.0 TOTAL DEPTH: 350.0 SECTION: 129+000E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 1

| DEPTH | UNIT | CODE | DESC     | RECOVERY | IND |
|-------|------|------|----------|----------|-----|
| 40.8  | 0001 | *    | TRICONED | 0.0      | 1   |
| 47.7  | 0002 | 1CD4 |          | 0.0      | 1   |
| 52.2  | 0003 | 1CD4 | 9        | 0.0      | 1   |
| 115.4 | 0004 | 1CD4 |          | 0.0      | 1   |
| 116.0 | 0005 | 10E9 |          | 0.0      | 1   |
| 130.4 | 0006 | 1CD4 |          | 0.0      | 1   |
| 145.3 | 0007 | 1CD4 | 9        | 0.0      | 1   |
| 162.1 | 0008 | 1CD4 |          | 0.0      | 1   |
| 166.6 | 0009 | 1CD  |          | 0.0      | 1   |
| 175.4 | 0010 | 1CD4 |          | 0.0      | 1   |
| 196.1 | 0011 | 1C0  |          | 0.0      | 1   |
| 201.6 | 0012 | 1CD0 |          | 0.0      | 1   |
| 204.8 | 0013 | 1H3  | (1CD0)   | 0.0      | 1   |
| 208.2 | 0014 | 1C4  |          | 0.0      | 1   |
| 210.6 | 0015 | 10E0 |          | 0.0      | 1   |
| 221.0 | 0016 | 1C4  |          | 0.0      | 1   |
| 235.8 | 0017 | 1C0  |          | 0.0      | 1   |
| 238.3 | 0018 | 1H3  | [1F38]   | 0.0      | 1   |
| 241.7 | 0019 | 1C0  | (1H3)    | 0.0      | 1   |
| 245.5 | 0020 | 1H3  |          | 0.0      | 1   |
| 248.5 | 0021 | 1F4  | 2        | 0.0      | 1   |
| 254.9 | 0022 | 1H3  | [1F38]   | 0.0      | 1   |
| 313.2 | 0023 | 1C7  | 843      | 0.0      | 1   |
| 326.1 | 0024 | 1H3  | [1F83]   | 0.0      | 1   |
| 337.7 | 0025 | 1C0  | 83       | 0.0      | 1   |
| 350.0 | 0026 | 1C4  | 83       | 0.0      | 1   |

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DOWN-HOLE STRUCTURE (DH020)

PAGE: 38

DDH: 84F-28 UTM-N: 8,969.9 UTM-E: 16,296.9 UTM-ELEV: 4,254.0 TOTAL DEPTH: 350.0 SECTION: 129+000E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 1

| DDH    | F DEPTH | T DEPTH | FEAT | SYMTY | S0 | ANGLE | DIRECT | S1  | ANGLE | DIRECT | S2 | ANGLE | DIRECT | RFE | CDE | DHDC | SDC | PROCESS |
|--------|---------|---------|------|-------|----|-------|--------|-----|-------|--------|----|-------|--------|-----|-----|------|-----|---------|
| 84F-28 | 0.0     | 46.5    | CS4  | 3     | 0  | 0     | 30     | 180 | 69    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 57.2    | PS2  |       | 0  | 0     | 0      | 0   | 45    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 67.5    | CS4  | Z     | 0  | 0     | 69     | 10  | 62    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 76.2    | PS2  |       | 0  | 0     | 0      | 0   | 57    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 85.3    | PS2  |       | 0  | 0     | 0      | 0   | 59    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 96.1    | PS2  |       | 0  | 0     | 0      | 0   | 72    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 105.3   | PS2  |       | 0  | 0     | 0      | 0   | 84    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 114.5   | PS2  |       | 0  | 0     | 0      | 0   | 83    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 131.2   | CS4  | S     | 0  | 0     | 48     | 0   | 52    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 140.2   | PS2  |       | 0  | 0     | 0      | 0   | 71    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 150.0   | CS4  | Z     | 0  | 0     | 50     | 200 | 65    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 160.1   | PS2  |       | 0  | 0     | 0      | 0   | 64    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 167.7   | CS4  | S     | 0  | 0     | 65     | 10  | 60    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 177.9   | PS2  |       | 0  | 0     | 0      | 0   | 62    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 187.0   | PS2  |       | 0  | 0     | 0      | 0   | 74    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 198.1   | PS2  |       | 0  | 0     | 0      | 0   | 61    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 223.1   | PS2  |       | 0  | 0     | 0      | 0   | 70    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 236.0   | PS2  |       | 0  | 0     | 0      | 0   | 45    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 242.6   | PS2  |       | 0  | 0     | 0      | 0   | 40    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 246.9   | CS4  |       | 0  | 0     | 0      | 0   | 68    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 257.0   | PS2  |       | 0  | 0     | 0      | 0   | 55    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 265.7   | CS4  | 3     | 0  | 0     | 0      | 0   | 62    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 285.8   | CS4  | Z     | 0  | 0     | 50     | 170 | 75    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 295.7   | CS4  | Z     | 0  | 0     | 0      | 0   | 72    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 303.6   | PS2  |       | 0  | 0     | 0      | 0   | 72    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 313.7   | PS2  |       | 0  | 0     | 0      | 0   | 60    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 321.5   | PS2  |       | 0  | 0     | 0      | 0   | 27    | 210    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 330.6   | CS4  | 3     | 0  | 0     | 0      | 0   | 72    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |
| 84F-28 | 0.0     | 335.4   | CS4  |       | 0  | 0     | 0      | 0   | 79    | 220    | 0  | 1     | 1      | 1   |     |      |     |         |

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DOWN-HOLE FAULTS &lt;DH020&gt;

PAGE: 39

DDH: 84F-28 UTM-N: 9,969.9 UTM-E: 16,296.9 UTM-ELEV: 4,254.0 TOTAL DEPTH: 350.0 SECTION: 129+000E  
 RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 1

| DDH    | F DEPTH | T DEPTH | FEAT REC CD | PARLL | UPPER PLANE | INTERNAL PLANE | LOWER PLANE | DHD |
|--------|---------|---------|-------------|-------|-------------|----------------|-------------|-----|
| 84F-28 | 40.7    | 41.7    | 2BR         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 55.1    | 56.2    | Q           |       | 0           | 0              | 0           | 1   |
| 84F-28 | 61.2    | 62.0    | 2BR         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 94.9    | 95.3    | 3XG         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 0.0     | 96.0    | Q           |       | 0           | 0              | 0           | 1   |
| 84F-28 | 0.0     | 103.7   | 2GX         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 110.0   | 110.8   | 1JQ         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 0.0     | 116.7   | 3XG         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 118.9   | 147.2   | 2JG         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 147.2   | 148.5   | 2XS         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 0.0     | 153.5   | 3G          |       | 0           | 0              | 0           | 1   |
| 84F-28 | 172.5   | 173.4   | Q           |       | 0           | 0              | 0           | 1   |
| 84F-28 | 187.7   | 189.0   | Q           |       | 0           | 0              | 50 180      | 1   |
| 84F-28 | 200.7   | 229.0   | 2JG         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 243.6   | 244.1   | Q           |       | 0           | 0              | 0           | 1   |
| 84F-28 | 0.0     | 245.0   | 3G          |       | 0           | 0              | 0           | 1   |
| 84F-28 | 248.9   | 249.2   | 3G          |       | 0           | 0              | 0           | 1   |
| 84F-28 | 296.0   | 301.5   | 2JB         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 308.1   | 310.3   | 2GJ         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 317.5   | 318.7   | 2JG         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 321.8   | 327.0   | 2JG         |       | 0           | 0              | 0           | 1   |
| 84F-28 | 344.7   | 348.4   | 3XG         |       | 0           | 0              | 0           | 1   |

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DOWN-HOLE SPLINES (DH020)

PAGE: 40

DDH: 84F-28 UTM-N: 8,969.9 UTM-E: 16,296.9 UTM-ELEV: 4,254.0 TOTAL DEPTH: 350.0 SECTION: 129+000E  
RFE: S2 RFE DIR: 210 PLUNGE ANGLES: 0 0 DHD CALC: 1 SS CALC: 1

DDH SEGMENT NOS COND INDICATOR

84F-28 1 1

\*\*THIS REPORT WAS REQUESTED BY: ROBIN .GEOLOGY AT: 10:24:38

APPENDIX III  
DESCRIPTION OF BRITTLE FABRIC/DISCONTINUITY FEATURE CODES

# APPENDIX III FAULT FEATURES

| MAIN FEATURE<br>*****      |      | DEGREE<br>*****                                     |
|----------------------------|------|-----------------------------------------------------|
| BROKEN CORE                | =B   | 1 =weak, minor, slight(ly)                          |
| RUBBLE                     | =R   | 2 =moderate                                         |
| GOUGE                      | =G   | 3 =strong, largely, high(ly),<br>very, dominant(ly) |
| SHEARED                    | =S   |                                                     |
| FAULT                      | =F   | ? =questionable                                     |
| BRITTLE BRECCIA            | =X   |                                                     |
| DUCTILE BRECCIA            | =D   |                                                     |
| QUARTZ-CALCITE<br>VEIN     | =V   |                                                     |
| JOINTS/FRACTURES           | =J   |                                                     |
| POKER CHIPPY               | =T   |                                                     |
| MISLATCH                   | =M   |                                                     |
| CAVE                       | =C   |                                                     |
| NO CORE                    | =N   |                                                     |
| POOR RECOVERY              | =P   |                                                     |
| NO RECOVERY                | =NP  |                                                     |
| MISSING CORE<br>(SAMPLED)  | =NNN |                                                     |
| ARTIFICALLY<br>BROKEN CORE | =A   |                                                     |

APPENDIX IV

INVOICES



# Chemex Labs Ltd.

Analytical Chemists

Geochemists

Registered Assayers

212 Brooksbank Ave.  
North Vancouver, B.C.  
Canada V7J 2C1

Telephone: (604) 984-0221  
Telex: 04352597

\*\*\* INVOICE \*\*\*

To : CYPRUS ANVIL MINING CORPORATION

Invoice # : 18413684

P.O. BOX 1000  
FARO, YUKON TERRITORY  
Y0B 1K0

Date : 31-JUL-84  
P.O. # : NONE  
Project

Invoice for analytical work reported on certificate(s) A8413684-001 to -004

| quantity | Analysed for<br>code description | unit<br>price | amount  |
|----------|----------------------------------|---------------|---------|
| 138      | 399 - Au g/tonne                 | 7.50          | 1035.00 |

Sample preparation and other charges :

|     |                |      |      |
|-----|----------------|------|------|
| 138 | 214 - Bag pulp | 0.00 | 0.00 |
|-----|----------------|------|------|

TOTAL \$ 1035.00

Please pay this amount ----> \$ 1035.00

=====

TERMS -- NET 30 DAYS

1.5 % per month (18 % per annum) charged on overdue accounts





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-8-337

C.A.M.C. P.O. # \_\_\_\_\_

| ITEM | QU | UT |  |
|------|----|----|--|
|      |    |    |  |
|      |    |    |  |
|      |    |    |  |
|      |    |    |  |
|      |    |    |  |
|      |    |    |  |

REC'D APR 12 1984 CK'D

APPROVED FOR PMT

March 31, 1984

Invoice #1455

Drill #70-8

IN ACCOUNT WITH:

Cyprus Anvil Mining Corporation,  
Box 1,000,  
Faro, Yukon

Drilling Charges March 20 to 31, 1984:

(Mine Site)

Hole: 83-F-22/90/NQ

Reaming Cave & Ice

|                |                   |             |           |
|----------------|-------------------|-------------|-----------|
| 14 man hrs.    | @ \$27.00 per hr. | = \$ 378.00 |           |
| 7 machine hrs. | @ \$18.50 per hr. | = \$ 129.50 | \$ 507.50 |

Cementing

|               |                   |            |          |
|---------------|-------------------|------------|----------|
| 2 man hrs.    | @ \$27.00 per hr. | = \$ 54.00 |          |
| 1 machine hr. | @ \$18.50 per hr. | = \$ 18.50 | \$ 72.50 |

Testing

|                |                   |             |           |
|----------------|-------------------|-------------|-----------|
| 12 man hrs.    | @ \$27.00 per hr. | = \$ 324.00 |           |
| 6 machine hrs. | @ \$18.50 per hr. | = \$ 111.00 | \$ 435.00 |

Coring

|                    |                   |   |             |             |
|--------------------|-------------------|---|-------------|-------------|
| 66 - 917 = 851 ft. | @ \$20.50 per ft. | = | \$17,445.50 | \$18,460.50 |
|--------------------|-------------------|---|-------------|-------------|

Hole: F-2/90/NQ

Cementing

|               |                   |            |          |
|---------------|-------------------|------------|----------|
| 2 man hrs.    | @ \$27.00 per hr. | = \$ 54.00 |          |
| 1 machine hr. | @ \$18.50 per hr. | = \$ 18.50 | \$ 72.50 |

Testing

|                |                   |             |           |
|----------------|-------------------|-------------|-----------|
| 12 man hrs.    | @ \$27.00 per hr. | = \$ 324.00 |           |
| 6 machine hrs. | @ \$18.50 per hr. | = \$ 111.00 | \$ 435.00 |

Standby - Blasting

|                |                   |             |           |
|----------------|-------------------|-------------|-----------|
| 4 man hrs.     | @ \$27.00 per hr. | = \$ 108.00 |           |
| 2 machine hrs. | @ \$18.50 per hr. | = \$ 37.00  | \$ 145.00 |

Casing

|                 |                   |   |           |
|-----------------|-------------------|---|-----------|
| 0 - 10 = 10 ft. | @ \$24.00 per ft. | = | \$ 240.00 |
|-----------------|-------------------|---|-----------|

Coring

|                    |                   |   |             |             |
|--------------------|-------------------|---|-------------|-------------|
| 10 - 855 = 845 ft. | @ \$20.50 per ft. | = | \$17,322.50 | \$18,215.00 |
|--------------------|-------------------|---|-------------|-------------|

Hole: 84-F-4/90/NQ

Reaming Cave

|               |                   |             |           |
|---------------|-------------------|-------------|-----------|
| 4 man hrs.    | @ \$27.00 per hr. | = \$ 108.00 |           |
| 2 machine hr. | @ \$18.50 per hr. | = \$ 37.00  | \$ 145.00 |





E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-8-337

INVOICE # 1455

84F-04 (Contd)

Casing

0 - 16 = 16 ft. @ \$24.00 per ft. = \$ 384.00

Coring

16 - 282 = 266 ft. @ \$20.50 per ft. = \$ 5,453.00 \$ 5,982.00

Total Invoice

\$42,657.50

C.A.M.C. P.O. # \_\_\_\_\_

| ITEM  | QUANTITY | UNIT | PRICE |
|-------|----------|------|-------|
| 35716 | 42657.50 |      |       |
|       |          |      |       |
|       |          |      |       |
|       |          |      |       |
|       |          |      |       |

REC'D APR 12 1984

CODED *[initials]*

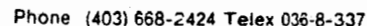
APPROVED FOR PMT *[initials]*

**POSTED**  
APR 16 1984  
**TO HOLD**

*cost changed  
TU Apr 1984*

**DISTRICT**  
**APR 23 1984**  
**RECEIVED**





|               |                   |      |       |    |       |
|---------------|-------------------|------|-------|----|-------|
| 1 machine hr. | @ \$18.50 per hr. | = \$ | 18.50 | \$ | 72.50 |
|---------------|-------------------|------|-------|----|-------|



E. CARON DIAMOND DRILLING LTD.

7 Roundel Road Whitehorse, Yukon Y1A 3H3

Phone (403) 668-2424 Telex 036-8-337

84F-09 (contd)

INV. # 1459

Testing

10 man hrs. @ \$27.00 per hr. = \$ 270.00  
5 machine hrs. @ \$18.50 per hr. = \$ 92.50 \$ 362.50

Casing

0 - 10 = 10 ft. @ \$24.00 per ft. = \$ 240.00

Coring

10 - 814 = 804 ft. @ \$20.50 per ft. = \$16,482.00 \$17,292.00

Hole: 84-F-10/90/NQ

Casing

8 man hrs. @ \$27.00 per hr. = \$ 216.00  
4 machine hrs. @ \$18.50 per hr. = \$ 74.00 \$ 290.00

Testing

10 man hrs. @ \$27.00 per hr. = \$ 270.00  
5 machine hrs. @ \$18.50 per hr. = \$ 92.50 \$ 362.50

Casing

0 - 4 = 4 ft. @ \$24.00 per ft. = \$ 96.00

Coring

4 - 525 = 521 ft. @ \$20.50 per ft. = \$10,680.50 \$11,429.00

**DISTRIBUTION**

MAY 2 1984

**POSTED**

Total Invoice

~~\$55,584.00~~

\$ 55,368.00

|                  |          |   |  |
|------------------|----------|---|--|
| C.A.M.C. P.O. #  |          |   |  |
| QU               | UT       | 3 |  |
| 35720            | 55368.00 |   |  |
|                  |          |   |  |
|                  |          |   |  |
|                  |          |   |  |
| APR 25 1984      |          |   |  |
| APPROVED FOR PMT |          |   |  |

**POSTED**  
APR 26 1984  
**TO HOLD**

P.S.

Your invoice #1459 has been changed from \$55,584.00 to \$55,368.00 as per Robin Tolbert.





NU # 1502

7-1 DISTRIBUTION  
AUG 03 1984  
POSTED

APPENDIX V

STATEMENT OF EXPENDITURES  
OF DIAMOND DRILLING ON FARO 40  
QUARTZ CLAIM, GRANT NUMBER 92226

DIAMOND DRILLING

84F-28, June 29 - 30, 1984: 350 feet, as per Invoice Appendix IV      \$ 8,799.55

FUEL

Diesel fuel consumed by drills and pumps 1.25 litres/foot at  
42¢ per litre x 350 feet      183.75

BULLDOZER (moving drill, pad preparation)

Cyprus Anvil Komatsu 355A, 3 hours at \$120.00 per hour      360.00

SALARIES

R.S. Tolbert - logging core July 17 - 18, 1984, 1 day at \$193.72  
per day      193.72

G. Lynch - logging core July 17 - 18, 1984, 1 day at \$109.85 per day      109.85

C. Cureatz - hauling core, surveying 0.5 day at \$132.64 per day      66.32

F. Young - hauling core, surveying 0.5 day at \$106.24 per day      53.12

OFFICE

R. Tolbert report writing, 1 day at \$193.72 per day      193.72

Total      \$ 9,960.03

Overhead 10%      996.00

Total      \$ 10,956.03

APPENDIX VI

STATEMENT OF EXPENDITURES  
OF DIAMOND DRILLING ON FARO 66  
QUARTZ CLAIM, GRANT NUMBER 92354

DIAMOND DRILLING

|                                                                      |              |
|----------------------------------------------------------------------|--------------|
| 83F-22, March 20-25, 1984: 851 feet, as per Invoice Appendix IV      | \$ 18,460.50 |
| 84F-02, March 25-28, 1984: 855 feet, as per Invoice Appendix IV      | 18,215.00    |
| 84F-04, March 28-April 4, 1984: 923 feet, as per Invoice Appendix IV | 19,485.00    |
| 84F-09, April 8-12, 1984: 814 feet, as per Invoice Appendix IV       | 17,292.00    |

ASSAYING

|                                                                                                                                     |          |
|-------------------------------------------------------------------------------------------------------------------------------------|----------|
| Cyprus Anvil lab: S.G., Pb, Zn, Cu, Ag (A.A.), Fe, (sol),<br>Fe (insol), BaO, Mn - 41 samples at \$70.50 per sample                 | 2,890.50 |
| Chemex Labs. Ltd., 212 Brooksbank Avenue, North Vancouver, B.C.<br>Au (Fire Assay with A.A. Finish) 41 samples at \$7.50 per sample | 307.50   |

FUEL

|                                                                                                |          |
|------------------------------------------------------------------------------------------------|----------|
| Diesel fuel consumed by drills and pumps 1.25 litres per foot<br>at 42¢ per litre x 3,443 feet | 1,807.57 |
|------------------------------------------------------------------------------------------------|----------|

BULLDOZER(moving drill, pad preparation)

|                                                          |          |
|----------------------------------------------------------|----------|
| Cyprus Anvil Komatsu 335A, 12 hours at \$120.00 per hour | 1,440.00 |
|----------------------------------------------------------|----------|

SALARIES

|                                                                                                   |          |
|---------------------------------------------------------------------------------------------------|----------|
| R. Tolbert - logging core March 28-29, April 3-6, May 1-3, 1984 - 6.5<br>days at \$193.72 per day | 1,259.18 |
| J. Keir - logging core March 28, 1984 - 0.5 days at \$170.00 per day                              | 85.00    |
| A. Chevalier - logging core March 31-April 6, 1984 - 5 days at \$142.00<br>per day                | 710.00   |
| C. Cureatz - sawing core, hauling core, surveying, 3 days at \$132.64<br>per day                  | 397.92   |
| F. Young - sawing core, hauling core, surveying, 2 days at \$106.24<br>per day                    | 212.48   |

OFFICE

|                                                       |                    |
|-------------------------------------------------------|--------------------|
| R. Tolbert, report writing, 1 day at \$193.72 per day | 193.72             |
| Secretarial, miscellaneous                            | 100.00             |
|                                                       | <hr/> \$ 82,856.37 |

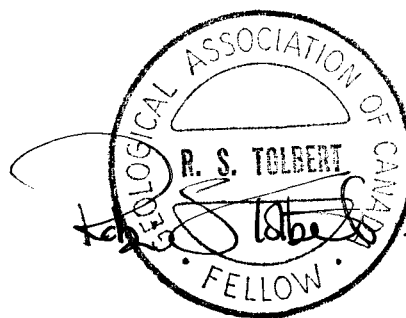
|              |                |
|--------------|----------------|
| Overhead 10% | <hr/> 8,285.64 |
|--------------|----------------|

|       |              |
|-------|--------------|
| Total | \$ 91,142.01 |
|-------|--------------|

APPENDIX VII  
STATEMENT OF QUALIFICATIONS

I, Robin Stuart Tolbert, of Cyprus Anvil Mining Corporation, P.O. Box 1000, Faro, Yukon Y0B 1K0, state that;

1. I graduated in 1972 from Edinburgh University, Scotland with a B. Sc. Geology.
2. From 1974 - 1978 I was employed by Union Minrere Explorations and Mining Corporation Ltd. (UMEX) as Geologist, and from 1979 - 1981 as Senior Geologist, on exploration programs in B.C., Yukon and western United States.
3. From 1981 to present I have been employed by Cyprus Anvil Mining Corporation presently as District Geologist for the Anvil District Geology Department based in Faro, Yukon involved in exploring and developing deposits within the Anvil District.
4. I am a Fellow of the Geological Association of Canada.



## APPENDIX VIII

ADDRESSES OF PERSONNEL INVOLVED  
IN ASSESSMENT WORK ON FARO 66 AND FARO 40  
QUARTZ CLAIMS, GRANT NUMBERS 92354 AND 92226 RESPECTIVELY

|               |                       |   |                                                                                     |
|---------------|-----------------------|---|-------------------------------------------------------------------------------------|
| R. S. Tolbert | District Geologist    | } |                                                                                     |
| J. Keir       | Mine Geologist        |   | Cyprus Anvil Mining Corporation                                                     |
| A. Chevalier  | Mine Geologist        |   | P.O. Box 1000                                                                       |
| F. Young      | Core Splitter         |   | Faro, Yukon YOB 1K0                                                                 |
| C. Cureatz    | Geological Technician |   | (403) 994-2600                                                                      |
| G. Lynch      | Geologist             | } | Washington State University<br>Department of Geology<br>Pullman, Washington, U.S.A. |