| LOG NO: | OS27 |  |
| :--- | :--- | :--- |
| ACTION: |  |  |

Diamond Drilling Report Fireweed Property

| SUB-RECORDER |
| :---: | :---: | :---: |
| RECEVED |$|$| Omineca Mining Division |
| :---: |
| HTS 93M/1W |

MR. \#
 Owner: Minnova Inc.

Operator: Minnova Inc.

## Claims:

PW 4
PW 5
PW 6
FIREWEED 3

# GEOLOGICAL BRANCH ASSESSMFNTDRON!T <br> 1 . 553 <br>  

G. S. Wells

May, 1991

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# Diamond Drilling Report <br> Fireweed Property 

## 1. Introduction

Minnova optioned the Fireweed property in late 1990 from Mansfield Minerals (formerly Canadian United Minerals) to evaluate the extent of sulphide mineralization exposed on the claims. This report describes the results from four diamond drill holes (FW-80 -
84 incl.) which tested weak IP anomalies along strike and to the east of the known mineralization. The work was done during the period February 6th to 20th, 1991 by J. T. Thomas Diamond Drilling Ltd.

## a. Location and Access

The Fireweed property is located 54 km northeast of Smithers, B.C. (Figure 1). The claims occur along the southern shore of Babine Lake just east of Smithers Landing. The area is readily accessible from Smithers via a network of primary and secondary logging roads. Topographic relief in the area is low to moderate with elevations ranging from 710 to 1160 meters above sea level. Large areas on the property are clear cuts with the remaining forested patches consisting of balsam fir, spruce and pine.

## b. Mineral Rights

The drilling was carried out on the GER 3 and FW 4 claims which are part of the Fire 1 group (Figure 2). The claim status of these claims is as follows:



## Fire 1 Group

| Claim | No. of Units | Record Number | Month of Record |
| :--- | :---: | :---: | :---: |
| FW 4 | 20 | 9267 | Feb. |
| FW 5 | 9 | 9268 | Feb. |
| FW 6 | 16 | 9269 | Feb. |
| GER 3 | 16 | 8975 | Sept. |
| FIREWEED 3 | 16 | 9236 | Jan. |

c. History

The Fireweed property was staked in July, 1987 following the discovery of mineralized float. Canadian United Minerals acquired an option to earn a $100 \%$ interest in the claims in August, 1987. They exercized that option subject to a retained NSR royalty by carrying out exploration programs consisting of geological mapping, soil geochemical surveys, geophysical surveys (mag, VLF, IP), backhoe trenching and diamond drilling (79 holes $=14,000+$ $m)$. This work has defined six mineralized zones which occur along an east-west trend in the center of the property (Figure 1). The mineralization consists of two types: massive sulphide (pyrrhotite, sphalerite $\pm$ chalcopyrite) pipes and breccias which crosscut the sediment sequence and stratiform (py, sph, galena, tetrahedrite) zones which occur in coarse sandstone units. Mineralization of the latter type is best exposed in the West Zone where an estimated 640,000 tons of $2.2 \% \mathrm{Zn}, 1.3 \% \mathrm{~Pb}$ and 10 opt Ag has been defined.

Minnova acquired the property in August, 1990 and carried out linecutting and IP to the east and west of the known mineralized zones. Several weak to moderate IP chargeability anomalies have been defined along the trend of the known mineralization.

## 2. Work Done

This report summarizes the results of four diamond drill holes (FW-80 - 83 inclusive) which tested IP anomalies to the east of the known mineralization. The holes are located on the GER 3 and FW-4 claims (Figure 3). Detailed drill logs are included in Appendix I. The drill core is stored in J.T. Thomas' yard in Smithers, B.C.

## 3. Geology

Outcrop exposure on the Fireweed property is poor due to an extensive overburden cover consisting of sand, gravel and clay. The geological picture presented in Figure 4 is based on the limited exposure and diamond drill and trench data. The claim group is underlain primarily by mudstones, siltstones and fine to coarse-grained sandstones that belong to the Kitsum Creek formation of the lower Cretaceous Skeena Group. These sediments are bounded on three sides by lower to middle Jurassic Hazelton Group volcanics and sediments. The entire sequence is intruded by a number of feldspar-biotite and feldspar-hornblende stocks of Tertiary age (Babine Intrusives). The Newman dacitic Volcanics exposed in the southern part of the property are associated with these intrusions.

Mineralization on the property is hosted in the Kitsum Creek sediments and occurs along a 5 km long east-west trend. Two types of mineralization have been recognized - crosscutting massive sulphide (po, sph, $\pm \mathrm{cp}$ ) pipes and breccias and stratiform (py, sph, $g n, t e t)$ zones hosted in coarse sandstone units.

## 4. Diamond Drill Results

Four diamond drill holes (FW-80-83) tested a weak eastwest trending IP anomaly over a strike length of 1.4 km . All four holes intersected a sedimentary sequence of sandstones and

siltstones but no zones of economic mineralization were defined. All of the diamond drill holes intersected thick overburden ranging from 45 meters thick in the vicinity of holes FW-80 and 81 to 75 meters thick in FW-83.

## 5. Conclusions

Diamond drilling to the east of the known zones of mineralization failed to define any areas of additional mineralization. Deep overburden and the weak IP response suggests that the IP anomaly is not due to a bedrock source. Further diamond drilling in this area is not warranted.

Hay2.llo.

## 6. Itemized Cost Statement

filed for $\$ 25,000.00$
GER 3, FW
Diamond Drill Holes FW-80, 81, 82, 83
A. Contractor Costs (see attached invoices)

1. Drilling Costs
a. $\quad \mathrm{FW}-80$ ( 131.1 m ) ..... 5515.14
b. FW-81 (137.2 m) ..... 6102.48
c. $\mathrm{FW}-82(170.1 \mathrm{~m})$ ..... 8313.98
d. $\mathrm{FW}-83$ ( 167.7 m ) ..... 8412.49
2. Cat time - road clearing and site construction72 hours $\mathrm{x} \$ 70 / \mathrm{hr}$5040.00
3. Man hours - water line maintenance
79 hours x \$21/hr ..... 1659.00
B. Field Costs
4. Personnel
T. Eldridge 14 days $x$ \$300/day ..... 4200.00
J. MacDonald 14 days $x \$ 300 /$ day ..... 4200.00
5. Truck/radios
14 days $x$ \$70/day ..... 980.00
6. Food/Accommodation
14 days $x$ \$70/day ..... 980.00
7. Statement of Qualifications

I, Gary $S$. Wells, hereby certify that:

1. I hold an Honours Bachelor of Science degree in combined geology and chemistry (1975) from Carleton University, Ottawa, Ontario and a Ph.D degree in geology (1980) from Queen's University, Kingston, Ontario.
2. I am an associate member of the Geological Association of Canada and a member of the Canadian Institute of Mining and Metallurgy.
3. I have practised my profession in exploration continuously since graduation in 1980.

Date: May 15, 1991

Appendix I

Diamond Drill Logs: FW-80, 81, 82, 83


FURPOSE: Io test IP chargeability roughly on strike with East Zon

DIRECTIONAL DATA:

| Depth <br> (m) | Astronomic Azimuth | $\begin{aligned} & \text { Dip } \\ & \text { degrees } \end{aligned}$ | Type of Test | flag | Corments | Depth <br> (m) | Astronomic Azimuth | Dip degrees | Type of Test | FLAG | Comments |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 131.00 | - | 4900 | ACID |  | uncorrected, poor etch | - | - | - | - | - |  |  |
| - | - | - | - | - |  | - | - | - | - | - |  |  |
| . | - | - | - | - |  | - | - | - | - | - |  |  |
| - | $\cdot$ | - | - | - |  | - | - | - | - | - |  |  |
| - | - | $\cdot$ | - | - |  | $:$ | - | - | - | - |  |  |
| - | - | : | - | - |  | - | - | - | - | - |  |  |
| - | - | - | - | - |  | - | - | - | - | - |  |  |
| - | . | : | - | - |  | - | - | - | - | - |  |  |
| - | $\cdot$ | - | - |  |  | - | - | - | - | - |  |  |
| - | - | - | - | - |  | - | - | - | - | - |  |  |
| - | . | - | - | - |  | - | - | - | - | : |  |  |
| - | - | - | $\cdot$ | $\cdot$ |  | - | - | - | - | - |  |  |
| - | - | - | - | - |  | - | - | - | : | - |  |  |
| $:$ | - | - | . | - |  | $:$ | . | - | $:$ |  |  |  |
| . | . | - | - | - |  | - | - | - | - | - |  |  |
| - | - | - | - | - |  | - | $:$ | - | $-$ |  |  |  |
| - | $\cdot$ | . | - | . |  | - | - | - | - |  |  |  |
| - | - | - | - | - |  | $:$ | : | : | : |  |  |  |
| - | - | - | - | : |  | - | - | - | - | - |  |  |
|  | $\cdot$ | $\cdot$ | - |  |  | - | : | - | $:$ |  | $4 \quad A \quad \pi$ |  |
| - | - | - | - | - |  | - | $\cdot$ | - |  |  | Sam hels |  |
|  |  |  |  |  | DRI | RECORD |  |  |  |  | gaed by: J. McDonald | PAGE: |


| hole numb | ER: FW-80 | minnova inc. dRILL hole record |  |  |  | DATE: 13-May-1991 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\underset{\substack{\text { fROM } \\ \text { T }}}{\text { M }}$ | $\begin{aligned} & \text { ROCK } \\ & \text { TYPE } \end{aligned}$ | texture ano structure | $\begin{aligned} & \hline \text { ANGLE } \\ & \text { TO CA } \end{aligned}$ | alteration | mineralization | REMARKS |
| $\begin{array}{r} 0.00 \\ 10 \\ 62.48 \end{array}$ | «CASING" |  |  |  |  |  |
| $\begin{array}{r} 62.48 \\ 10 \\ 86.90 \end{array}$ | SLTST \& SST | Colour: dark grey <br> Grain Size: silt to sand <br> Succession of siltstone with minor interbedded medium grained sst; sltst is commonly sandy with flaser bedding; some rip-up clasts of sltst and mostn; minor scours, cormon convoluated bedding; possible ripples <br> $65.40-65.50$ <br> -fault breccia and gouge angular to sub-rounded <br> siltstone clasts <br> 70 <br> -narrow $<10 \mathrm{~cm}$ shear parallel to bdg. <br> 76.50-77.2 <br> - rubbly broken core <br> 77.2-77.50 <br> -fault gouge and breccia <br> 78.15-78.4 <br> -sheared with calcite veinlets; approx <br> shears <br> 80-80.5 <br> -fault gouge and breccia as above; clasts have minimal displacement | 45 | Sand beds are commonly calcareous; minor calcite veinlets in tension gashes <br> 87.4-87.8 <br> -minor calcite veintets |  | Broken core; recovery to 89 m is approx 75\% <br> Minor carbonaceous wisps in sst and slt st <br> Minor slickensides show oblique to dip slip movement <br> 85 <br> -slicks with oblique movement |
| $\begin{array}{r} 86.90 \\ 10 \\ 101.40 \end{array}$ | SLTST \& SSt (increase in SSI) | Colour: dark grey stist, light-med. grey sst Grain Size: <br> Convoluted bedding scours, minor rip-up clasts, possible ripples, flaser bedding; minor shearing with calcite veinlets <br> bedding $42-44$ deg steepening to 30 deg |  |  | <1\% sulphides | Medium grained sst with wisps of carbonaceous material; <2\%; bedds from $<5 \mathrm{~cm}$ to 100 cm |

MINNOVA INC.
DRILL HOLE RECORD


| hole num | ER: FW-80 | minnova inc. DRILL HOLE RECORD |  |  |  | date: 13-May-1991 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { from } \\ \text { TO } \end{gathered}$ | $\begin{aligned} & \text { ROCK } \\ & \text { TYPE } \end{aligned}$ | texture ano structure | $\left\|\begin{array}{c} \text { ANGLE } \\ \text { TO CA } \end{array}\right\|$ | alteration | mineralization | REMARKS |
| $\begin{aligned} & 128.80 \\ & 131.10 \\ & 10 \end{aligned}$ | SST е.о.н. | Colour: med. light grey <br> Grain Size: medium <br> Top 1.0 m is thin bedded with carbonaceous wisps; <br> remainder is massive | 61 | Minor calcite veintets; sst are calcareous |  | sst consists of sub-angular to sub-rounded clasts of qtz-fld and sltst or mdstn; lithic or kose |


furpose: to test the same ip as fw-80. fw-80 may have overshot the zone due to deep o/b

DIRECTIONAL DATA:


| hole num | ER: FH-81 | MINNOVA INC. DRILL HOLE RECORD |  |  |  | DATE: 13-May-1991 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} \text { FROM } \\ \text { TO } \end{gathered}$ | $\begin{aligned} & \text { ROCK } \\ & \text { TYPE } \end{aligned}$ | texture and structure | $\left.\begin{array}{\|l\|l\|} \text { ANGLE } \\ \text { TO CA } \end{array} \right\rvert\,$ | alteration | MIneralization | REMARKS |
| $\begin{array}{r} 0.00 \\ T 0 \\ 73.17 \end{array}$ | «CASING" |  |  |  |  |  |
| $\begin{array}{r} 73.17 \\ 10 \\ 84.00 \end{array}$ | MDSTN \& SLT ST | Colour: dark grey to black <br> Grain Size: <br> Massive bedding, also includes poorly developed thin beds of sst and sand sitst <br> Narrow 5 cm to 20 cm wide zones of fracture to brecia with gouge and slicks (oblique movement) | 40 | Minor calcite veinlets |  | Broken and rubbly core to 85 m |
| $\begin{array}{r} 84.00 \\ \text { T0 } \\ 86.00 \end{array}$ | $\begin{aligned} & \text { SLTST AND S } \\ & \text { ST } \end{aligned}$ | ```Colour: dark grey Grain Size: Thin wispy bedding, convoluted and flaser``` |  |  |  |  |
| $\begin{array}{r} 86.00 \\ 10 \\ 91.00 \end{array}$ | SST \& SLTST | Colour: med. grey sst, dark grey sltst Thick beds with thin bedded sltst tops; carbonaceous wisps; rip-up clasts, flaser bedding 88.5-91 - fractured to brecciated with minor gouge development | 45 | Minor calcite veinlets; 50 deg and 15 deg to c.a. |  |  |
| $\begin{array}{r} 91.00 \\ 90 \\ 99.10 \end{array}$ | SLTST AND <br> SAND SLTST | Colour: dark grey <br> Grain Size: <br> Common flaser bedding; poorly developed thin bedding; some scours and minor fracturing | 50 |  |  |  |
| $\begin{array}{r} 99.10 \\ 10 \\ 110.90 \end{array}$ | SSt | Colour: light grey <br> Grain Size: medium <br> Thick beds with minor very thin beds of sltst 50.55 deg, scours, clasts sitst, scours, clast (sitst) <br> 109.9-110.8 <br> -fractured with minor gouge; gouge a 60 deg to c.a. |  | Minor calcite veinlets, calcareous |  | Minor carbonaceous wisps; porous due to leaching of calcite? |



purpose: to test ip chargeability on strike with that on l65+00e


| hole Num | ER: FW-82 | minnova inc. DRILL HOLE RECORD |  |  |  | DATE: 13-May-1991 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { FROM } \\ & \text { TO } \end{aligned}$ | $\begin{aligned} & \text { ROCK } \\ & \text { TYPE } \end{aligned}$ | texture and structure | $\begin{aligned} & \text { ANGLE } \\ & \text { TO CA } \end{aligned}$ | alteration | mineralization | REMARKS |
| $\begin{array}{r} 0.00 \\ 10 \\ 103.63 \end{array}$ | «CASING" |  |  |  |  |  |
| $\begin{array}{r} 103.63 \\ 10 \\ 107.28 \end{array}$ | basal till | Colour: <br> Grain Size: <br> Poorly sorted sand to boulder sized clasts within a clay-silt matrix graphitic in 15 cm above the bedrock contact |  |  |  | Clasts of sst, sltst and mdstn; also less igneous clasts fld porphyry, possible tuff |
| $\begin{array}{r} 107.28 \\ 10 \\ 116.08 \end{array}$ | SLTSt | ```Colour: dark grey black 107.28-131 -Fault zone 107.3 m fracturing and lesser brecciation throughout; shears up to 20 cm and gouge up to 10 cm wide; slickensides show oblique to strike slip movement some gouge and shears are graphite (20%) Shears a Shears a Micro-faults appear to have normal displacement``` | 30 $\begin{aligned} & 45 \\ & 55 \end{aligned}$ | Calcite veining throughout; veintets at $0,40,60,80$ deg. to c.a. | <1\% |  |
| $\begin{gathered} 116.08 \\ \text { T0 } \\ 123.50 \end{gathered}$ | MDST \& SLIS <br> T | Colour: dark grey and black | 55 |  | <1\% | Structure as noted above |
| $\begin{array}{r} 123.50 \\ \text { TO } \\ 130.06 \end{array}$ | $\begin{aligned} & \text { SST \& SLT } \\ & \text { ST } \end{aligned}$ | ```Colour: medium and light grey Grain size: fine to med. Primarily medium to thick beds; some flaser bedding; some rip-up clasts variable 0-45 deg``` |  |  | <1\% | Structure as noted above; about 30\% thick interbed of sltst |
| $\begin{array}{r} 130.06 \\ 10 \\ 133.12 \end{array}$ | SLTST | Colour dark to medium grey Massive bedding 58 deg to 70 deg average 60 deg |  |  |  |  |


| HOLE NUMBER: FW-82 MiNNOVA INC. $\quad$ DRILL HoLE RECORD |  |  |  |  |  | DATE: 13-May-1991 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{array}{r} \text { FROM } \\ \text { TO } \end{array}$ | $\begin{aligned} & \text { ROCK } \\ & \text { TYPE } \end{aligned}$ | texture and structure | $\begin{array}{\|l\|} \hline \text { ANGLE } \\ \text { TO CA } \end{array}$ | alteration | mineralization | REMARKS |
| $\begin{aligned} & 133.12 \\ & 141.70 \\ & 141.70 \end{aligned}$ | SST \& SLTST | Grain Size: fine to coarse <br> Thin bedded and minor laminated sitst and sst; cross bedding (tops up-hole), flaser bedding, graded bedding (tops uphole) 60-65 deg <br> Minor shears with graphite slicks |  | Minor calcite veining | <1\% |  |
| $\begin{array}{r} 141.70 \\ 10 \\ 147.50 \end{array}$ | MDSTN | Colour: black <br> Bedding is massive, minor shearing and fracturing |  |  |  |  |
| $\begin{array}{r} 147.50 \\ 10 \\ 170.07 \end{array}$ | SLTST | Colour: dark grey to dark <br> Fault zone <br> Moderate shearing, broken core, calcite veinlets throughout; minor gouge and breccia development some shear slips and gouge are graphitic slicks show oblique movement and less dip slip | 65 |  |  | Minor interbeds of sst and mdst |
|  | E.O.H. |  |  |  |  |  |


purpose: to test ip chargeability along strike from l65+00e

DIRECTIONAL DATA:




## Appendix II

Diamond Drilling Invoices

## J. T. HOMS <br> DIAMOND DRILLING LTD.

Bun $-d 4$
Smithers, B.C.
VOJ 2NO
Branch Office
Phone: (604)847-4361
Timmins, Ont.

TO: Minnova Inc.
3rd Floor - 311 Water Street
Vancouver, B.C.
V6B 1B8
Invoice No.: 91-1
Invoice Date: March 19, 1991
Property:

This is our invoice for diamond drilling and other services to the completion of the project.

DRILL: A-12

MOND DRILLING: 2975.4 Metres'see attached Pages One - Three) \$ 127,453.45
MAN \& MACHINE HOURS: (see attached Pages Four - Five) 5,391.50
MATERIALS:
(see attached Page Six)
11,148.33
GRADER:
to clear access road (see attached Invoice)
219.00

SUB TOTAL: \$ 144,212.28

GST: 7\%
TOTAL DUE:
10,094.86
\$ 154,307.14

The above calculations are agreed to by:

Company Representative


GST Registration \# R102737806


## J. T. HOMAS <br> DIAMOND DRILLING LTD.

| Box 394 |  | Branch Office |
| :---: | :---: | :---: |
| Smithers, B.C. |  | $80 \times 944$ |
| VoJ 2 NO |  | Timmins, Ont. P4N 7H5 |
| Phone: (604) 847-4361 |  | Phone: (705) 267-6633 |
| Minnova - Drill A-12 | February 7 - March 12, 1991 | Page One |

## DIAMOND DRILLING:

| Hole No. | Date | Over From | $\begin{array}{r}\text { rden } \\ \text { To } \\ \hline\end{array}$ | $\begin{aligned} & \text { Coring } \\ & \text { From To } \\ & \hline \end{aligned}$ | Total Meterage |  | Rate |  | Amount |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 91-80 | February 12 | 0 - | 15 |  | 15.0 | \$ | 39.90 | \$ | 598.50 |
|  |  | 15 - | 30 |  | 15.0 |  | 43.90 |  | 658.50 |
|  |  | $30-$ | 45 |  | 15.0 |  | 48.30 |  | 724.50 |
|  |  | 45 - | 60 |  | 15.0 |  | 53.10 |  | 796.50 |
|  |  | $60-$ | 62.5 |  | 2.5 |  | 58.40 |  | 146.00 |
|  |  |  |  | 62.5-131.1 | 68.6 |  | 39.90 |  | 2,737.14 |
| 91-81 | February 14 | 0 - | 15 |  | 15.0 |  | 39.90 |  | 598.50 |
|  |  | 15 - | 30 |  | 15.0 |  | 43.90 |  | 658.50 |
|  |  | $30-$ | 45 |  | 15.0 |  | 48.30 |  | 724.50 |
|  |  | 45 - | 60 |  | 15.0 |  | 53.10 |  | 796.50 |
|  |  | $60-$ | 73.2 |  | 13.2 |  | 58.40 |  | 770.88 |
|  |  |  |  | 73.2-137.2 | 64.0 |  | 39.90 |  | 2,553.60 |
| -1-82 | February 15 | 0 - | 15 |  | 15.0 |  | 39.90 |  | 598.50 |
|  |  | 15 - | 30 |  | 15.0 |  | 43.90 |  | 658.50 |
|  |  | $30-$ | 45 |  | 15.0 |  | 48.30 |  | 724.50 |
|  |  | 45 - | 60 |  | 15.0 |  | 53.10 |  | 796.50 |
|  |  | $60-$ | 75 |  | 15.0 |  | 58.40 |  | 876.00 |
|  |  | 75 - | 90 |  | 15.0 |  | 64.20 |  | 963.00 |
|  |  | $90-$ | 103.7 |  | 13.7 |  | 70.60 |  | 967.22 |
|  |  |  |  | $103.7-150.0$ | 46.3 |  | 39.90 |  | 1,847.37 |
|  |  |  |  | $150.0-170.1$ | 20.1 |  | 43.90 |  | 882.39 |
| 91-83 | February 17 | 0 - | 15 |  | 15.0 |  | 39.90 |  | 598.50 |
|  |  | $15-$ | 30 |  | 15.0 |  | 43.90 |  | 658.50 |
|  |  | $30-$ |  |  | 15.0 |  | 48.30 |  | 724.50 |
|  |  | 45 - | 60 |  | 15.0 |  | 53.10 |  | 796.50 |
|  |  | $60-$ | 75 |  | 15.0 |  | 58.40 |  | 876.00 |
|  |  | 75 - | 90 |  | 15.0 |  | 64.20 |  | 963.00 |
|  |  |  | 105.0 |  | 15.0 |  | 70.60 |  | 1,059.00 |
|  |  | 105 - | 109.8 |  | 4.8 |  | 77.60 |  | 372.48 |
|  |  |  |  | 109.8-150.0 | 40.2 |  | 39.90 |  | 1,603.98 |
|  |  |  |  | 150.0-167.7 | 17.7 |  | 43.90 |  | 777.03 |
| 91-84 | February 19 |  |  |  | 15.0 |  | 39.90 |  | 598.50 |
|  |  | $15-$ | 30 |  | 15.0 |  | 43.90 |  | 658.50 |
|  |  | $30-$ | 45 |  | 15.0 |  | 48.30 |  | 724.50 |
|  |  | 45 - | 60 |  | 15.0 |  | 53.10 |  | 796.50 |
|  |  | 60 - | 70.1 |  | 10.1 |  | 58.40 |  | 589.84 |
|  |  |  |  | $70.1-140.2$ | 70.1 |  | 39.90 |  | 2,796.99 |
| ${ }^{1}-85$ | February 21 | $0-$ | 15 |  | 15.0 |  | 39.90 |  | 598.50 |
|  |  | 15 - | 30 |  | 15.0 |  | 43.90 |  | 658.50 |
|  |  | $30-$ |  |  | 15.0 |  | 48.30 |  | 724.50 |
|  |  | 45 - | 60 |  | 15.0 |  | 53.10 |  | 796.50 |

# J.T. HOMAS <br> diAmond drilling ltd. 

Box 394
Smithers, B.C.
VOJ 2NO Branch Office
Phone: (604) 847-4361
February 7 - March 12, 1991
Timmins Ont.
Page One

CAT HOURS:
Date
Cat
February 7
February 8
February 9
February 10
February 11
February 12
February 14 ..... 14
February 15

- ..... 8$5-8$
February 16 ..... 8
February 17 ..... 5
February 18 ..... 8
February 19 ..... 7
February 20 ..... 8
February 21 ..... 8
February 22 ..... $8 \frac{1}{2}$
February 23 ..... 6
February 24 ..... 8
February 25 ..... 8
February 26 ..... 811
February 27 ..... 8
February 28 ..... 7
March ..... 8
March 2 ..... 8
March 3 ..... 8
March 4 ..... 6
March 5 ..... 6
March 6 ..... 8
March 7 ..... 1
March 8 ..... 5
March 9 ..... 8
March 12 ..... 2


# J. T. HOMS 

DIAMOND DRILLING LTD.

## - $\quad \times 394$

Smithers, B.C.
VJ NO
Branch Office
Phone: (604) 847-4361
Branch Office
Timmins, Ont.
Minnova - Drill A-12
February 7 - March 12, 1991

MAN \& MACHINE HOURS: ( $50 \%$ of cost of waterlines over 3,000 feet)
Date Bohr R.Denboer Deck M.Denboer Campbell W.Groot

Larsen/
M.Groot/

Rudkavich Larsen Drill $\frac{1}{2} \quad 1$
Feb. 7
Feb. 16
Feb. 17

Feb. 184

Feb. 19 3 $\frac{1}{2}$

Feb. $11 \frac{1}{2} 1 \frac{1}{2}$

Feb. 21 1

Feb. $223 \frac{1}{2} \quad 2$

Feb. 232

Feb. $24 \quad 1 \frac{1}{2}$
$1 \frac{1}{2}$

Feb. 25 3
Feb. 26
Feb. 27
4눌
2
$4 \frac{1}{2} \quad 4 \frac{1}{2}$
$4 \frac{1}{2} \quad 4 \frac{1}{2}$
$3 \quad 3$
$4 \quad 4$
$3 \quad 3 \frac{1}{2}$
$3 \frac{1}{2}$
$6 \quad 6$
$\frac{1}{2}$
$\frac{1}{2}$
$3 \quad 3$
${ }_{1}^{\frac{1}{2}}$

1
6
$\frac{1}{2} \quad 2$
$1 \quad 1$
1
$\frac{1}{2}$
$\frac{1}{2}$

1
1
$\frac{1}{2} \quad 1$
1


