ASSESSMENT REPORT
CAL 81 - 144
MINING CLAIMS
WATSON LAKE MINING DISTRICT
105 - H - 8 W
61° 23' N; 128° 27' W

W.A. MacLeod
August, 1981
This report has been examined by the Geological Exploration Unit and is recommended to the Commissioner to be accepted as representing work in the amount of $19,100.00.

Resident Geologist or Resident Mining Engineer
Considered as representation work under Section 53 (4) Yukon Quartz Mining Act.

[Signature]
Commissioner of Yukon Territory

[Date: Oct 18]
FROM: Mining Recorder at Watson Lake

Supervising Mining Recorder 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:

☐ ASSIGNMENT of PLACER LEASE No. From: To:

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

Owner:

☐ DIAMOND DRILL LOGS:

Claims:

☐ QUARTZ ASSESSMENT REPORT

Claims: CAL 81-144

Type of report: biological

Cls. work performed on: CAL 81-144

Claim sheet no. 105-48

Submitted by: Shell Canada Resources

$ Req. for ren. application
$19,100.00

Signature

REPLY ACTION. Date Fwd. 18 Sept. 81

090867
MAKE OATH AND SAY, THAT:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
   (Here list claims on which work was actually done by number and name)

   Cal 81-89 (incl.)

   22 miles N.E. of Mt. Billings
   6 miles West of Cantung Road
   Watson Lake Mining District, to the value of at least $2,599.43

3. The following is a detailed statement of such work (Set out full particulars of the work done indicating dates work commenced and ended, in the twelve months in which such work is required to be done as shown by Section 53)

   See Attached Report

Sworn before me at

Signature

Notary Public

OFFICE DATE STAMP

FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

Disk form required to be duplicate with sketch showing location of work.)
MAKE OATH AND SAY, THAT:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
   (Here list claims on which work was actually done by number and name)
   Cal 90, 91, 94, 97, 100, 101, 105, 110, 112, 114, 118, and 123

   22 miles N.E. of Mt. Billings
   6 miles West of Cantung Road

   Situation

   Watson Lake Mining District, to the value of at least $3,606.11

   Claim Sheet No. 105-H-8

   6 miles, since the 30th day of April 1981

   to represent the following mineral claims under the authority of Grouping Certificate No.

   (Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.)

   YA 56506 Cal 90 3 years
   YA 56507 Cal 91 3 years
   YA 56690 Cal 94 3 years
   YA 56693 Cal 97 3 years
   YA 56696 Cal 100 3 years
   YA 56697 Cal 101 3 years
   YA 56901 Cal 105 3 years
   YA 56940 Cal 110 3 years
   YA 56942 Cal 112 3 years
   YA 56944 Cal 114 3 years
   YA 56948 Cal 118 3 years
   YA 56953 Cal 123 3 years

3. The following is a detailed statement of such work. (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53)

   See Attached Report

Sworn before me at Calgary this 2nd day of September 1981

Notary Public

Applicant
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name) W. A. MacLeod

 Occupation Geologist

Postal Address 111 Parkglen Cr. S.E., Calgary, Alberta T2J 4L9

MAKE OATH AND SAY, THAT:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
   (Here list claims on which work was actually done by number and name)
   Cal 92, 95, 98, 102, 108, 119, 124, 128, 129, 133, 138, and 143

   22 miles N.E. of Mt. Billings
   6 miles West of Cantung Road
   Watson Lake Mining District, to the value of at least $3,606.11

   Claim Sheet No. 105-H-8

   situated at
   in the
   dollars, since the
   day of
   to represent the following mineral claims under the authority of Grouping Certificate No.
   (Here list claims to be renewed in numerical order by grant number and claim name, showing renewal period requested.)

   YA56508 Cal 92 3 years
   YA 56691 Cal 95 3 years
   YA 56694 Cal 98 3 years
   YA 56698 Cal 102 3 years
   YA 56704 Cal 108 3 years
   YA 56949 Cal 119 3 years
   YA 56950 Cal 124 3 years
   YA 56958 Cal 128 3 years
   YA 56959 Cal 129 3 years
   YA 56963 Cal 133 3 years
   YA 56968 Cal 138 3 years
   YA 56973 Cal 143 3 years

3. The following is a detailed statement of such works (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53)

See Attached Report

Sworn before me at Calgary

2nd day of September 1981

Notary Public

Applicant,
MAKE OATH AND SAY, THAT:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
   (Here list claims on which work was actually done by number and name)
   Cal 93, 96, 99, 103, 104, 106, 107, 109, 116, 117, 121 & 122

   22 miles N.E. of Mt. Billings
   situated at 6 miles West of Cantung Road
   in the Watson Lake Mining District, to the value of at least $3,606.11
   Claim Sheet No. 105-H-8
   dollars, since the 30th day of April 1981
   to represent the following mineral claims under the authority of Grouping Certificate No. 3002.
   (Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.)

   YA 56509 Cal 93 3 years
   YA 56692 Cal 96 3 years
   YA 56695 Cal 99 3 years
   YA 56699 Cal 103 3 years
   YA 56700 Cal 104 3 years
   YA 56702 Cal 106 3 years
   YA 56703 Cal 107 3 years
   YA 56705 Cal 109 3 years
   YA 56946 Cal 116 3 years
   YA 56947 Cal 117 3 years
   YA 56951 Cal 121 3 years
   YA 56952 Cal 122 3 years

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53)

See Attached Report

Sworn before me at Calgary this 2nd day of September 1981

Notary Public
MAKE OATH AND SAY, THAT:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
   (Here list claims on which work was actually done by number and name)
   Cal 111, 113, 115, 120, 125-127 (incl.), 130-132 (incl.),
   135-137 (incl.), and 140-142 (incl.)

   situated at
   22 miles N.E. of Mt. Billings
   6 miles West of Cantung Road
   In the Watson Lake Mining District, to the value of at least $5,025.47
   Claim Sheet No. 105-H-8
   dollars, since the
   30th day of April 1981

   to represent the following mineral claims under the authority of Grouping Certificate No. 3003
   (Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.)
   YA 56941 Cal 111 3 years
   YA 56943 Cal 113 3 years
   YA 56945 Cal 115 3 years
   YA 56950 Cal 120 3 years
   YA 56955 Cal 125 3 years
   YA 56956 Cal 126 3 years
   YA 56957 Cal 127 3 years
   YA 56960 Cal 130 3 years
   YA 56961 Cal 131 3 years
   YA 56962 Cal 132 3 years
   YA 56965 Cal 135 3 years
   YA 56966 Cal 136 3 years
   YA 56967 Cal 137 3 years
   YA 56970 Cal 140 3 years
   YA 56971 Cal 141 3 years
   YA 56972 Cal 142 3 years

3. The following is a detailed statement of such works (Set out full particulars of the work done indicating dates work
   commenced and ended in the twelve months in which such work is required to be done as shown by Section 53)

   See Attached Report

Sworn before me at Calgary this 2nd. day of September 1981

Notary Public

Applicant.
FORM "C" - APPLICATION FOR A CERTIFICATE OF WORK

(This form required in duplicate with sketch showing location of work.)

I (Name) W. A. MacLeod

Occupation Geologist

(Po.1 Adress) 117 Parkglen Cr. S.E., Calgary, Alberta T2J 4L9

OFFICE DATE STAMP

MAKE OATH AND SAY, THAT:

1. I am the owner, or agent of the owner, of the mineral claim(s) to which reference is made herein.

2. I have done, or caused to be done, work on the following mineral claim(s):
   (Here list claims on which work was actually done by number and name)
   Cal 134, 139, and 144

   22 miles N.E. of Mt. Billings
   situated at 6 miles West of Cantung Road
   Claim Sheet No. 105-H-8

   In the Watson Lake Mining District, to the value of at least $866.49
   dollars, since the 30th day of April 1981

   to represent the following mineral claims under the authority of Grouping Certificate No. 3004
   (Here list claims to be renewed in numerical order, by grant number and claim name, showing renewal period requested.)

   YA 56964 Cal 134 7½ years
   YA 56969 Cal 139 3½ years
   YA 56974 Cal 144 2 years

3. The following is a detailed statement of such work: (Set out full particulars of the work done indicating dates work commenced and ended in the twelve months in which such work is required to be done as shown by Section 53)

   See Attached Report

Sworn before me at Calgary this 2nd day of September 1981

Notary Public

Applicant.
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Introduction

The Cal 81-144 claims are located in NTS grid 105-H-8-W and were staked by Shell Canada Resources Ltd in September of 1980. The claims comprise two groups adjoining the Cal 1-80 group also owned by Shell.

The Cal 81-144 claims were geologically mapped and prospected in June and July, 1981. In addition to the technical surveys, a 1.5 kilometre portion of four-wheel drive access road was also repaired during the 1981 field season.

The exploration of the Cal group was carried out by Shell Canada Resources as part of our Norquest Project by right of agreement with New Jersey Zinc Exploration Company (Canada) Ltd. The technical surveys were conducted by Shell personnel with the road repair being completed by Grant Stewart Construction Ltd., of Watson Lake, Y.T. All work was initiated and supervised by W.A. MacLeod.

The accompanying plan details the work completed.
1. LOCATION AND ACCESS

The Cal claims are located in an area of rugged, mountainous topography immediately west of the Hyland River Valley approximately 150 kilometres north of Watson Lake, Yukon Territories (Figure 1). Peak elevations are in the order of 2,000 metres above sea level.

The claimed area is partially accessible by unimproved four wheel drive road originating from kilometre 94 on the Cantung Highway. Helicopter support is required to mobilize personnel and equipment to the mountainous areas on the property.

The Town of Watson Lake provides an efficient support base for the program. Most goods and services are available locally. The town is served by the Alaska and Stewart-Cassiar Highways and daily scheduled air connections to Whitehorse and all southern Canadian centres are available.

2. LOGISTICS AND SUPPORT

Shell's crew was based from a tent and trailer camp located on the access road 2.5 kilometres west of the Cantung Highway. The access road was utilized for general support.

All camp supplies, fuel, etc., were purchased in Watson Lake.

Although the newly repaired road afforded access to portions of the claimed area, helicopter support was generally utilized for crew transport. This expedient saved time, facilitated access to the higher elevations, and lessened the maintenance required on the vehicles.

3. ROAD REPAIR

The access road from kilometre 94 on the Cantung Highway to the Cal claims was bulldozed at the start of the 1981 field season. The work was required to remove slide material and fill washouts. A 1.5 kilometre portion of the road located on the Cal 97-99 claims required a total of 3 hours to repair.

Grant Stewart Construction Ltd., of Watson Lake was contracted to complete the repairs.
4. GEOLOGY

The Cal claims 81-144 are situated in the Omineca Tectonic Belt and are underlain by sedimentary rocks of the Grit Unit (Roddick and Green, 1961) of Upper Proterozoic (Hadrynian) Age. The sediments were later intruded by portions of the Mount Billings Batholith of Cretaceous (?) Age.

The lowermost sediments (Unit 1) are composed of recrystallized, well bedded sandstones (quartzite) and siltstones (biotite + feldspar quartzites) with minor finer grained clastics (quartz + biotite + feldspar schist). Thin beds (< 1 cm to 10 m.) of limestone and siliceous limestone (marble + diopside + garnet + tremolite) and minor siliceous dolomite (dolomite + diopside + quartz + garnet + actinolite-tremolite) become more common toward the top of the unit. The altered siliceous dolomite is locally mineralized with weakly disseminated to fairly massive pyrrhotite + pyrite (+ sphalerite and galena).

Unit 1 characteristically strikes northwest-southeast to north-south and dips eastwards at 25° to 55°.

The lowermost clastics are overlain by finer grained clastics and pelites of Unit 2. The clastics composed of biotite + quartz + feldspar schists are interlayered with biotite + quartz + muscovite + cordierite + andalusite and staurolite semi pelitic and pelitic schists. A gradation from clastics to semi-pelite to pelite is observable from north to south and west to east.

A thin (20 m to 60 m ?) band of argillite (Unit 4) overlies the schists. It is thinly banded (< 1 cm) alternating white and grey or grey and black and is commonly cherty. Many of the bands pinch out over short distances (> 5 cm).

The uppermost sediments (Unit 6) consist of a thick pelitic (biotite + quartz + muscovite + cordierite (?) + staurolite/andalusite) schist sequence.

Units 2 and 6 are commonly a conspicuous rusty brown colour. The colour appears to be the result of weathering and oxidation of biotite in the pelitic schists.

Contacts between the above sedimentary rock units are not well exposed but appear to be conformable.
The sediments were intruded by portions of the Mount Billings Batholith. Granite, quartz monzonite, pegmatite and minor diorite and prophyry (Units 9 and 11) form small stocks, dykes (<1 m to 10 m) and sills (<1 m to 10 m) within the lowermost sediments (Unit 1). The upper sections (Units 2, 6) have been invaded mostly by quartz veins (<1 m to 5 m).

The structure on the Cal claims is locally simple. Uncommon minor folds and crenulation cleavage are present which may indicate more than one phase of regional deformation.

Some faulting was observed in outcrop but it is not interpreted to be a major deformation style. Significantly, the only measureable fault plane is oriented north-south and dips steeply west. This is identical to the prominent fracture cleavage identified in much of the sedimentary units.

5. MINERALIZATION

Zinc mineralization was located at three localities on the Cal claims. Two of the three showings, the BCYP and Tom occur in bedrock on the Cal 114 and 131 claims respectively. The third, a talus occurrence is located on the Cal 112 claim.

The Tom showing, originally discovered in 1980, consists of a podiform pyrrhotite skarn (siliceous dolomite + diopside + actinolite-tremolite) located near the top of the Unit 1 clastic sequence. Minor sphalerite mineralization is associated with the pyrrhotite. The exposed mineralization occurs in approximate true cross section on a dip slope. The skarn has a minimum downdip extent of 71 metres and an average thickness of 2 metres. The strike extent is not known. The showing has been chip sampled and the results presented in the accompanying sample section (Figure 3).

The BCYP showing is similar to the Tom in mineralogy and stratigraphic position, but is smaller. It is exposed in approximate vertical longitudinal section. The showing has a strike extent of approximately 7 metres and a thickness of 2 metres. A single chip sample was taken across the thickness but the assay results have not as yet been received.

Talus containing sphalerite and galena mineralization in siliceous dolomite (dolomite + diopside) was discovered to the north of the BCYP Showing. The showing is apparently hosted by the upper portion of the Unit 1 clastic sequence.
ASSAYS:

Au ; Ag ; Cu ; Pb ; Zn ; Wg ; Sn
oz/T oz/T % % % % % %

TOP OF RIDGE

UNIT 1 CLASTICS

PODIFORM PYRRHOTITE SKARN
(± SPHALERITE AND GALENA)
IN SILICEOUS DOLOMITE + DIOPSIDE,
ACTINOLITE - TREMOLITE

CHANNEL CHIP SAMPLE 67
(TR.; 0.04 ; 0.04 % ; 0.04 % ; 0.04 % ; 1.4 % ; 0.002 % ; TR.)
2.0 m

FACE CHIP SAMPLE 64
(TR.; 0.06 ; 0.12 % ; 0.04 % ; 0.09 % ; TR.; TR.)
2.0 m

CHANNEL CHIP SAMPLE 66
(TR.; 0.02 ; 0.16 % ; 0.02 % ; 0.03 % ; TR.; TR.)
2.0 m

FACE CHIP SAMPLE 68
(TR.; 0.40 ; 0.06 % ; 0.08 % ; 0.35 % ; 0.014 % ; 0.006 %)
2.0 m

FACE CHIP SAMPLE 69
(TR.; 0.12 ; 0.16 % ; 0.08 % ; 0.03 % ; TR.; 0.009 %)
2.0 m

TAXUS

SECTION DIRECTION ≈ 015° Az

SHELL CANADA RESOURCES LIMITED
EXPLORATION - MINERALS

3198 A
NORQUEST PROJECT - YUKON
TOM SHOWING
CAL 131
SAMPLE SECTION
LOOKING EAST

AUTHOR: R.A. MACLEOD
SCALE: 1:500
DRAWING NO.
DATE: SEPT. 1991
REVISED:
ENCLOSURE NO.
6. EXPENDITURES

The costs incurred by Shell Canada Resources Ltd., in performing the program described herein are presented as follows:

I) Road Repair

- Contract Bulldozing
  3 hours Proportioned Costs (per invoice) $ 347.37

- Camp Costs (Operator)
  1 man/day @ $35.00 $ 35.00

  Subtotal $ 382.37
  + 10% Overhead $ 38.23

  Total Road Repair $ 420.60 (i)

II) Assay Laboratory Costs

- 7 samples at 7 elements each
  (per Loring Labs Ltd. Invoice) $ 367.50

  + 10% Overhead $ 36.75

  Total Assay Costs $ 404.25 (ii)

III) General Geological Mapping

- Wages and Benefits

  - W.A. MacLeod (Senior Geologist)
    July 14 & 15
    August 4 & 5
    4 days @ $225.00 $ 900.00

  - J. Learn (Geologist)
    June 16, 17, 20-26, 28-30
    July 1, 3-5, 7-9, 14 & 15
    21 days @ $124.23 $2,608.83

  - B. Yamamura (Assistant)
    July 1, 3-5, 7-9, 14 & 15
    9 days @ $67.40 $ 606.60

  - A. Durrant (Assistant)
    June 16, 17, 20-26, 28-30
    12 days @ $125.00 $1,500.00

  Total Wages & Benefits $5,615.43
- Helicopter Support
  - 20 hours Hughes 500D @ $375.00/hr
    (Dates as above) Per Invoice $7,500.00
  - Fuel consumed
    500 gallons JP.4 @ $2.57 * $1,285.00

  Total Helicopter Support $8,785.00

- Camp Costs
  - Shell personnel
    (Dates as above)
    46 man/days @ $35.00 $1,610.00
  - Airlift Corporation
    7 man/days @ $35.00 $245.00
  - Grant Stewart Construction Ltd.
    1 man day @ $35.00 $35.00

  Total Camp Costs $1,890.00

- Vehicle Rental
  - 15 days @ $670.00/month $335.00
  - Fuel consumed
    100 gallons @ $1.79 * $179.00

  Total Vehicle Rental $514.00

Subtotal Geological Mapping $16,804.43
+ 10% Overhead $1,680.44

Total General Geological Mapping $18,484.87 (iii)

* denotes "on site" fuel costs inclusive of all mobilization costs and barrel rental.

Total costs for road repair and lab costs (i) and (ii) above are specifically assigned to Cal 97, 98 and 99 and Cal 131 respectively.
7. GROUPING

Pursuant to Section 52 of the Yukon Quartz Mining Act, Shell is applying for a total of six claim groups. The applications are under separate cover.

8. CONCLUSIONS AND RECOMMENDATIONS

The Cal claims were found to be underlain by two clastic-pelitic sedimentary sequences of Upper Proterozoic to Lower Cambrian age. The sediments were later intruded and substantially altered by Cretaceous aged granitoids of the Mount Billings Batholith.

Three small lead-zinc-silver occurrences were located as a result of geological mapping and prospecting carried out on the Cal claims. The largest, the Tom showing, located on Cal 131 returned very low assay results. The best assay was 1.25% Zn from a representative face sample. Further evaluation of this occurrence is considered to be unwarranted. Additional work on the BCYP showing (Cal 114) is contingent upon assay results not yet received from a single channel sample taken from this smaller occurrence.

The third occurrence is located in talus and will require a limited followup to determine its bedrock source.
REFERENCES


10. QUALIFICATIONS AND SIGNATURES

Mr. J.R.L. Learn, a geologist temporarily employed by Shell Canada Resources Ltd., carried out the geological mapping and prospecting on the Cal 81-144 claims described herein. His qualifications include:

a) He is a graduate of Brock University, Ontario; Hon. B.Sc.; 1977.
b) He is a graduate of McGill University, Quebec; M.Sc. (App); 1981.
c) He has practised his profession since 1977.

I, W.A. MacLeod with business address at 525-3rd Avenue S.W., Calgary, Alberta, T2P 2H5, do hereby certify that I personally supervised the field work and have assessed the data resulting from the geological mapping and sampling on Cal 81-144 mineral claims.

I also certify that:

a) I am a graduate of the University of Manitoba; B.Sc.; 1970,
b) I am a Registered Professional Geologist in the Province of Alberta,
c) I have practiced my profession for twelve years.

Dated at Calgary, Alberta this 1st day of September, 1981.

Signed:

W.A. MacLeod, P. Geol.
Senior Geologist
Minerals Exploration
Shell Canada Resources Limited
APPENDIX A

ASSAY CERTIFICATE
To: SHELL CANADA RESOURCES LIMITED, 525 - 3rd Avenue S.W., Calgary, Alberta  

ATTN: Sandy McLeod

Certificate of ASSAY  
LORING LABORATORIES LTD.

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I Hereby Certify THAT THE ABOVE RESULTS ARE THOSE ASSAYS MADE BY ME UPON THE HEREIN DESCRIBED SAMPLES .

Rejects Retained one month.  
Pulps Retained one month unless specific arrangements made in advance.  

Assayer
APPENDIX B

EXPENDITURE RECEIPTS
GRANT STEWART CONSTRUCTION LTD.
P.O. BOX 410 - WATSON LAKE, Y.T. - Y0A 1C0
Telephone (403) 536-7472

July 9, 1981

STATEMENT
No. 4423

To: Shell Canada Resources Ltd.
P.O. Box 100, Stn. "A"
Calgary, Alta. T2R 2R5

Accounts Due When Rendered. A Service Charge Will Be Added On Overdue Accounts.

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<th>Balance</th>
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<tr>
<td>June 3, 4, 7/81</td>
<td>Re: P.O. PH 79100 - Norquest Project</td>
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<tr>
<td></td>
<td>D60-A Cat - Level Camp Site, Repair</td>
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<tr>
<td></td>
<td>Road, Set up Camp -</td>
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<td></td>
<td>23 Hours @ 76.00 per hour</td>
<td>$1,746.00</td>
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<td></td>
<td>Operator Travel Time -</td>
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<td>10 Hours @ 28.00 per hour</td>
<td>$280.00</td>
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<td>Operator's Vehicle -</td>
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<td></td>
<td>3 Days @ 45.00 per day</td>
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<td>$2,163.00</td>
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To: Shell Canada Resources Ltd.
P.O. Box 100, Stn. "A" Watson Lake, Y.T.

July 9, 1981

STATEMENT
No. 4424

Accounts Due When Rendered. A Service Charge Will Be Added On Overdue Accounts.

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<td>#44 Truck - Trip #1409</td>
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<td>Mobilization of Camp, fuel, building materials, Watson Lake - Cassiar - Norquest, Return to Watson Lake -</td>
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<tr>
<td></td>
<td>Hours - Load camp gear, barrels, building supplies - 5½ Hours @ 56.00 per hour</td>
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<td>Hours - Travel off Highway - 1 Hour @ 72.80 per hour</td>
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<td>Hours - Unloading - 3 Hours @ 56.00 per hour</td>
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<td>Mobilization of D60 Komatsu and Gear</td>
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<td>Miles - Travel Liard to Norquest and Return</td>
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<td>Miles - 257 Miles @ 1.95 per mile</td>
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<td>Hours - Travel to Liard - ½ Hour @ 72.80 per hour</td>
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<td>Hours - Standby with operator - Wait for and load powder magazines, Loading and Unloading -</td>
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<td>5½ Hours @ 56.00 per hour</td>
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LORING LABORATORIES LTD.
629 BEAVERDAM RD. N.E. CALGARY, ALTA. T2K 4W2

TO SHELL CANADA RESOURCES LIMITED,
525 - 3rd Avenue S.W.,
Calgary, Alberta

ATTN: Sandy McLeod

--- Rock SAMPLES ---

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INVOICE NO 21977
DATE August 11, 1981
Control # 3198A

THIS IS YOUR INVOICE
PLEASE PAY THE AMOUNT SHOWN

TERMS — 30 DAYS
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TOTAL HOURS: 52.8

ALC AIRLIFT CORP.
20769 River Road, Maple Ridge, B.C. V2X 1Z8 Tel: (604) 467-6146
Hangar: Pitt Meadows Airport, B.C. 604 465-8722

REQUISITIONED BY

CUSTOMER SIGNATURE

PILOT SIGNATURE

THIS IS YOUR INVOICE
<table>
<thead>
<tr>
<th>REGISTRATION</th>
<th>BASE</th>
<th>PROJECT</th>
<th>PILOT</th>
<th>ENGINEER</th>
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TOTAL TIME ENGINE:
WEB 29 - JULY 12 55.9 AT
TOTAL 126.4 AT

REQUISITIONED BY CUSTOMER SIGNATURE PILOT SIGNATURE

THIS IS YOUR INVOICE
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TOTAL TIME AIRFRAME: 52.2
TOTAL TIME ENGINE: 178.6

This is your invoice

Requisitioned by: [Signature]
Customer Signature: [Signature]
Pilot Signature: [Signature]

No: 0315
Western Truck Rentals
West-Wheels Leasing Ltd.
6004 - Centre Street South, Calgary,
Alberta, Canada T2H 0C3
Telephone: (403) 253-8757

Shell Canada Resources Ltd.
P.O. Box 2901
Calgary, Alta.

Rental from June 1 to June 30 '81

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OTHER CHARGES

- PLEASE FORWARD RECEIPT
- PARTIAL
- INFO ONLY - ACTUAL EXCEEDED ESTIMATE BY MORE THAN 10%
- PLEASE CHECK

TOTAL CHARGES

676.00

TERMS: NET ON RECEIPT OF INVOICE

Owned And Operated By Westerners
# YUKON AVIATION PRODUCTS

**Box 363**
**Watson Lake, Yukon Y0A 1C0**
**Phone: (403) 526-7501**

---

**TO:** Shell Canada

---

**INVOICE NO:** 007745

---

**DATE:** June 2/81

---

**PAYMENT TERMS:** Net 30 days

---

**SHIP TO:** Watson Lake, YT

---

**YOU ORDER NO.** Sandy McLeod

---

**OUR ORDER NO.** 43914

---

**DATE SHIPPED:** June 3/81

---

**SHIP VIA:** Grant Stewart

---

**NO. CARTONS:** 30

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**CH:**

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**PLEASE RETURN DUPLICATE COPY WITH YOUR REMITTANCE OR SHOW INVOICE NUMBER ON YOUR REMITTANCE**

---

**PLEASE PAY THIS AMOUNT:** 3,899.25