

IRON MOUNTAIN PROJECT

M491

ASSESSMENT REPORT

1981 PROGRAM

GEOPHYSICAL

GEOCHEMICAL, GEOLOGICAL

Lat. 50°03'N Long. 120°45'W

N.T.S. 92 1/2

NICOLA MINING DIVISION

GYPROC I GROUP CLAIMS

TWO

BY

FOUR

TWO BY FOUR

SHORTSTUD

FIERRA # 3

10,114
PART
1 of 2

Owners: Gordon Richards,
8827 Hudson Street,
Vancouver, B. C.

Operator: Chevron Canada Limited,
901 - 355 Burrard Street,
Vancouver, B. C.

Author: G. W. Laforme

January 1982

TABLE OF CONTENTS

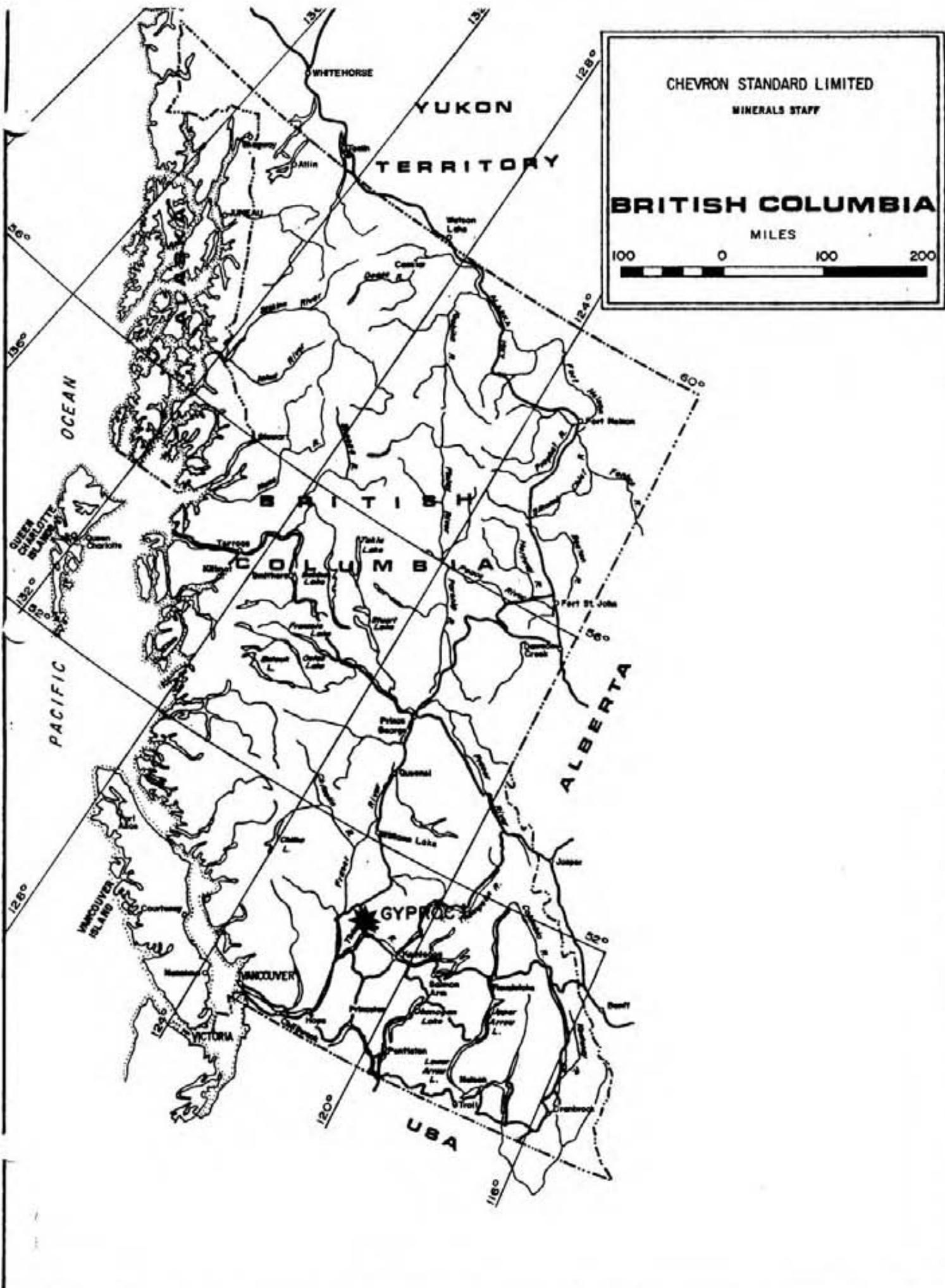
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|--------------------------------|----|
| INTRODUCTION | 1 |
| INDEX MAP | |
| CLAIMS MAP - Figure 1 | |
| LOCATION AND ACCESS | 2 |
| PROPERTY | 3 |
| IRON MOUNTAIN PROPERTY HISTORY | 4 |
| HISTORY | 5 |
| 1981 FIELD PROGRAM | 7 |
| 1981 FIELD PERSONNEL | 8 |
| STATEMENT OF COSTS | 9 |
| ASSESSMENT ALLOCATION | 10 |
| CONCLUSIONS | 11 |
| RECOMMENDATION | 11 |
| STATEMENT OF QUALIFICATIONS | |
| REFERENCES | |

APPENDIX:

| | |
|---|-----------|
| Moving Coils Surface PEM Survey | |
| Geology Descriptions by Mark Brewster | |
| Thin Sections Examination by S. G. McAllister | |
| Geochemical Preparation and Analytical Procedures | |
| Geochemical Lab Reports | In Pocket |

MAPS:

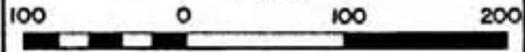
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|--------|--|--|
| Fig. 2 | Geology | |
| 3 | Cross Section | |
| 4 | Alterations; Jasper Horizon, Veining and Clastic Sulphides | |
| 5 | Geochemistry Pb, Ba | |
| 6 | Geochemistry Cu, Zn | |



CHEVRON STANDARD LIMITED
MINERALS STAFF

BRITISH COLUMBIA

MILES





M491
IRON MOUNTAIN

0 Miles 1

0 Km. 1 Figure 1.

INTRODUCTION

This report will document for assessment purposes all work carried out in 1981 on the Gyproc I Group of mineral claims located some eight kilometers south of the town of Merritt, B.C. This area is underlain by marine sediments and volcanic rocks of the Nicola formation, recognized as a volcanogenic exhalative type massive sulphide environment.

A program of geochem soil and rock sampling along with geological mapping was carried out.

The area, generally a high rolling plateau, is classed as open range land, with fir and pine forest covering the uplands and grass in the valleys.

LOCATION AND ACCESS

The Gyproc I Group of mineral claims is located on the northeast, east and south flanks of the summit of Iron Mountain. It is within the Nicola Mining Division and centered at $120^{\circ}45'W$, $50^{\circ}03'N$.

A good gravel road provides access to the property.

Merritt is served by the Canadian Pacific Railroad and by the paved provincial highways No. 5 and No. 8. A new highway is under construction through the Coquihalla Pass joining Merritt to Hope.

PROPERTY

The Gyproc I Group is comprised of:

| <u>Claim Name</u> | <u>Record No.</u> | <u>Lapse Date</u> | <u>No. of Units</u> |
|-------------------|-------------------|-------------------|---------------------|
| Two | 480 (7) | July 1984 | 2 |
| By | 481 (7) | July 1984 | 2 |
| Four | 482 (7) | July 1984 | 4 |
| Two By Four | 484 (7) | July 1984 | 8 |
| Short Stud | 667 (7) | July 1984 | 4 |
| Fierro #3 | 997 (2) | Feb. 1982 | 4 |

Recorded Owner: Gordon Richards, Vancouver, B. C.

Until the end of the 1981 field season the entire group was held under option agreement by:

Chevron Canada Limited,
901 - 355 Burrard Street,
Vancouver, B. C. V6C 2G8

IRON MOUNTAIN PROPERTY

HISTORY

| <u>Year</u> | <u>Current Name</u> | <u>Owner or Operator</u> | <u>Work</u> |
|-------------|---------------------|-------------------------------------|---|
| 1927 | Leadville | Emmett Todd | Discovery of showing. |
| 1927,28 | " | | Shaft sunk to 70' depth. |
| 1929 | " | Comstock of B.C. Ltd. | 1000 acres of claims staked. Great plans. Nothing forthcoming. |
| 1947 | Lucky Todd | George Hunter and partners | Shaft rehabilitated. 36 tons ore shipped to Trail, yielding 67 oz Ag, 11, 819 lb. Pb, and 484 lb. Zn. |
| 1951 | " | Granby Mining Corp. | Shaft de-watered. |
| 1966 | " | ? | Some work? |
| 1968-74 | Makelstin | Acoplomo Mining and Development Co. | Total of approx. > 24 mi. Magnetometer surveys > 24 mi. EM (VLF?) surveys 180 Sas. Soil surveys 586' Diamond drilling |
| 1977 | One Sixty One | Quintana Minerals Corp. | Geologic mapping. |
| 1978 | | | Regional 1:15,000 mapping by W.J.McMillan, B.C.D.M., due for publishing in 1979. |

HISTORY

The Iron Mountain area has experienced prospecting and mineral exploration by a variety of operators since the turn of the century. Development work by Comstock of B.C. Ltd. had been done by about 1927 on the "Leadville" shaft near the summit of the mountain, where a galena "vein" had been discovered.

Work on this prospect appears to have been fairly minimal until 1947 when a further attempt was made to reopen the old "Leadville" shaft, then renamed the "Lucky Todd". Thirty-six tons of ore were shipped to Trail with net contents consisting of 67 ounces silver, 11,819 pounds lead and 484 pounds zinc.

Similar lithologies to the Lucky Todd shaft area occur on the Two By Four claim, approximately 2,800 meters N43⁰E of the old "Lucky Todd" shaft. Surface stripping by bulldozer has occurred in this area, and several pits have been blasted in the exposed bedrock by previous owners.

In 1979, a grid of 100-meter line separation and 50-meter station interval was established over a part of the Gyproc Group. That portion of the grid on the Two By Four claim was soil sampled. Sixty-seven soil samples and two silt samples were collected and analyzed for Pb, Zn, Cu and Ag.

In 1980 the balance of the above grid was sampled and detailed geological mapping of the group was commenced. Two hundred seventeen samples were collected and analyzed for Cu, Pb, Zn and Ba.

1981 FIELD PROGRAM

A Moving Coils Surface PEM Survey was conducted over the property.

The grid, established in 1979 (line separation - 100 meters, station intervals - 50 meters), was expanded to cover all of the Gyproc I Group. One thousand one hundred ninety-one soil and fifty-five rock samples were collected and analyzed for Zn, Cu, Pb and Ba.

Where possible, soil samples were taken from the "B" horizon. They were packaged in gusseted kraft paper sample bags. All samples were shipped to:

Chemex Labs Ltd.
212 Brooksbank Ave.
North Vancouver, B.C.
V7J 2C1

Results are plotted on maps of scale 1:5,000. Details of analytical techniques employed are in the attached Appendix.

For lithological study 24 thin sections of the rock samples were prepared and stained by:

Vancouver Petrographics Ltd.
Post Office Box 39
8887 Nash Street
Fort Langley, B.C.
VOX 1J0

Mark Brewster detailed the lithological units identified by the geological mapping. Sandy McAllister examined the thin sections and described textures and alterations.

1981 FIELD PERSONNEL

The field crew consisted of:

| | |
|--------------------------|--------------------|
| Bill Howell (Contractor) | Party Chief |
| Mark Brewster | Geologist |
| Sandy McAllister | Geologist |
| Colin Bradley | Assistant |
| Bruce Coates | " |
| Paul Fagerlund | " |
| Derek Hodge | " |
| John Mill | " |
| Sarah Monger | " |
| Tim Sandberg | " |
| Ross Watson | " |
| David Arscott | Project Supervisor |

STATEMENT OF COSTS

| | | |
|---------------------------|-------------|-----------------|
| Wages | | \$22,005.25 |
| Travel | | 1,433.90 |
| Camp Supplies | | 1,948.31 |
| Camp Provisions | | 1,159.40 |
| Freight | | 1,233.60 |
| Reproduction and drafting | | 796.49 |
| Accommodation | | 2,136.10 |
| Assays | | 9,372.50 |
| Contractors: | Geophysical | 16,371.00 |
| | Geological | 14,807.96 |
| | Other | 19,725.48 |
| | Report | <u>1,200.00</u> |
| | Total | \$92,189.99 |

WAGES

| | <u>Office</u> | <u>Field</u> | <u>Travel</u> |
|-----------------------|---------------|--------------|---------------|
| Mark Brewster | 14 | 19 | 2 |
| Sandy McAllister | 5 | 18 | 2 |
| Colin Bradley | - | 18 | 2 |
| Bruce Coates | - | 18 | 2 |
| Paul Fagerlund | - | 18 | 2 |
| Derek Hodge | - | 18 | 2 |
| John Mill | - | 11 | 2 |
| Sarah Monger | - | 18 | 2 |
| Tim Sandberg | - | 18 | 2 |
| Ross Watson | - | 18 | 2 |
| David Arscott | 2 | | |
| Total No. of Man Days | | 215 | |
| Rate | | \$102.35/day | |
| Total Wages | | \$22,005.25 | |

ASSESSMENT ALLOCATION

FOR ASSESSMENT PURPOSES KINDLY CREDIT

| <u>CLAIM NAME</u> | <u>UNITS</u> | <u>\$</u> | <u>YEARS</u> | <u>TOTAL</u> | <u>LAPSE DATE</u> |
|-------------------|--------------|-----------|--------------|---------------|-------------------|
| TWO | 2 | \$200.00 | 7 | \$ 2,800. | July 1991 |
| BY | 2 | 200.00 | 7 | 2,800. | July 1991 |
| FOUR | 4 | 200.00 | 7 | 5,600. | July 1991 |
| TWO BY FOUR | 8 | 200.00 | 7 | 11,200. | July 1991 |
| SHORT STUD. | 4 | 200.00 | 7 | 5,600. | July 1991 |
| FIERRO #3 | 4 | 100.00 | 3 | 1,200. | |
| | 4 | 200.00 | 6 | <u>4,800.</u> | Feb. 1991 |
| | | | | \$34,000. | |

| | |
|-----------------------------|------------------|
| TOTAL COST FOR 1981 PROGRAM | \$92,189.99 |
| ASSESSMENT CREDIT | <u>34,000.00</u> |
| Balance | \$58,189.99 |

KINDLY CREDIT PAC WITH BALANCE OF \$48,189.99

\$29,095.00 to Gordon Richards
8827 Hudson St.,
Vancouver, B. C.
V6P 4N1

\$29,094.99 to Chevron Canada Limited
901 - 355 Burrard St.,
Vancouver, B. C.
V6C 2G8

CONCLUSIONS

The geochemical survey shows scattered low values for Pb, Zn, Cu and Ba, with correlated and enhanced values near the Todd shaft and over very limited areas in the nearby sediments.

A geophysical survey using time domain E.M. Crone equipment produced no response.

RECOMMENDATION

No further work is recommended.

STATEMENT OF QUALIFICATIONS

I am a graduate of the University of British Columbia, Vancouver, B. C.,
Discipline Geology Degree, B.Sc.

I have 12 years' field experience. The work herein recorded was compiled
from data obtained from members of the field crew, from geochem lab
results and from the company ledger.

G. W. Laforme

G. W. LAFORME

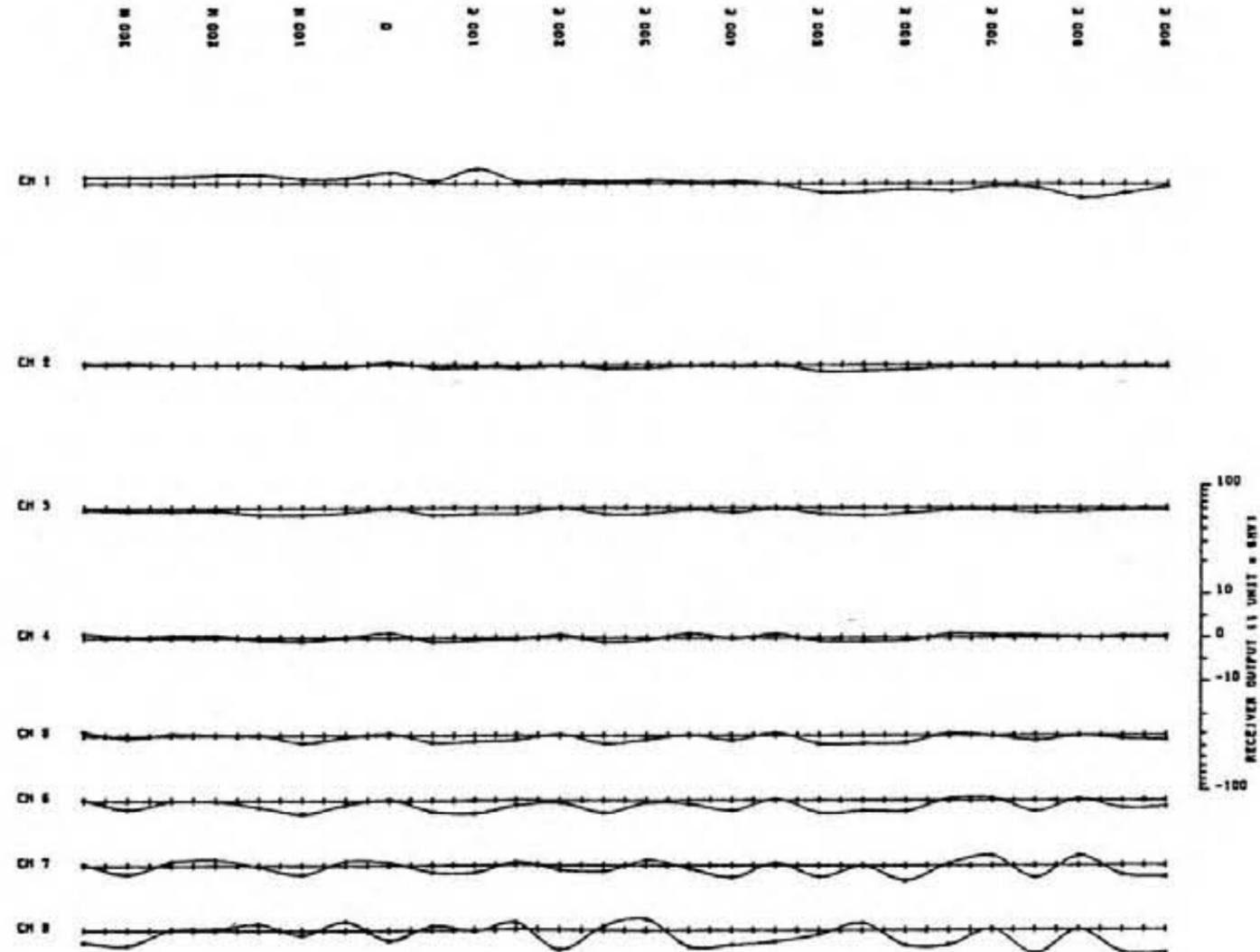
February, 1982

REFERENCES:

- | | | |
|---------------|--|---|
| June 1972 | R.W. Hutchinson R.H. McMillan (Company Report) | Volcanogenic base metal Sulphides Cordilleran Region |
| June 1975 | D.G. Leighton (Company Report) | Report on Exploration for Kuroko Type Mineral Deposits |
| November 1979 | W.A. Howell | Iron Mountain Project 1979 Assessment Report |
| March 1981 | W.A. Howell | Iron Mountain Project 1980 Report Geological and Geophysical Surveys |
| October 1981 | W.J. McMillan et al | Province of British Columbia (2) Preliminary Map 47 Nicola Project - Merritt Area |

APPENDIX

PEM
MOVING COILS SURVEY
RECEIVER OUTPUT VOLTAGE

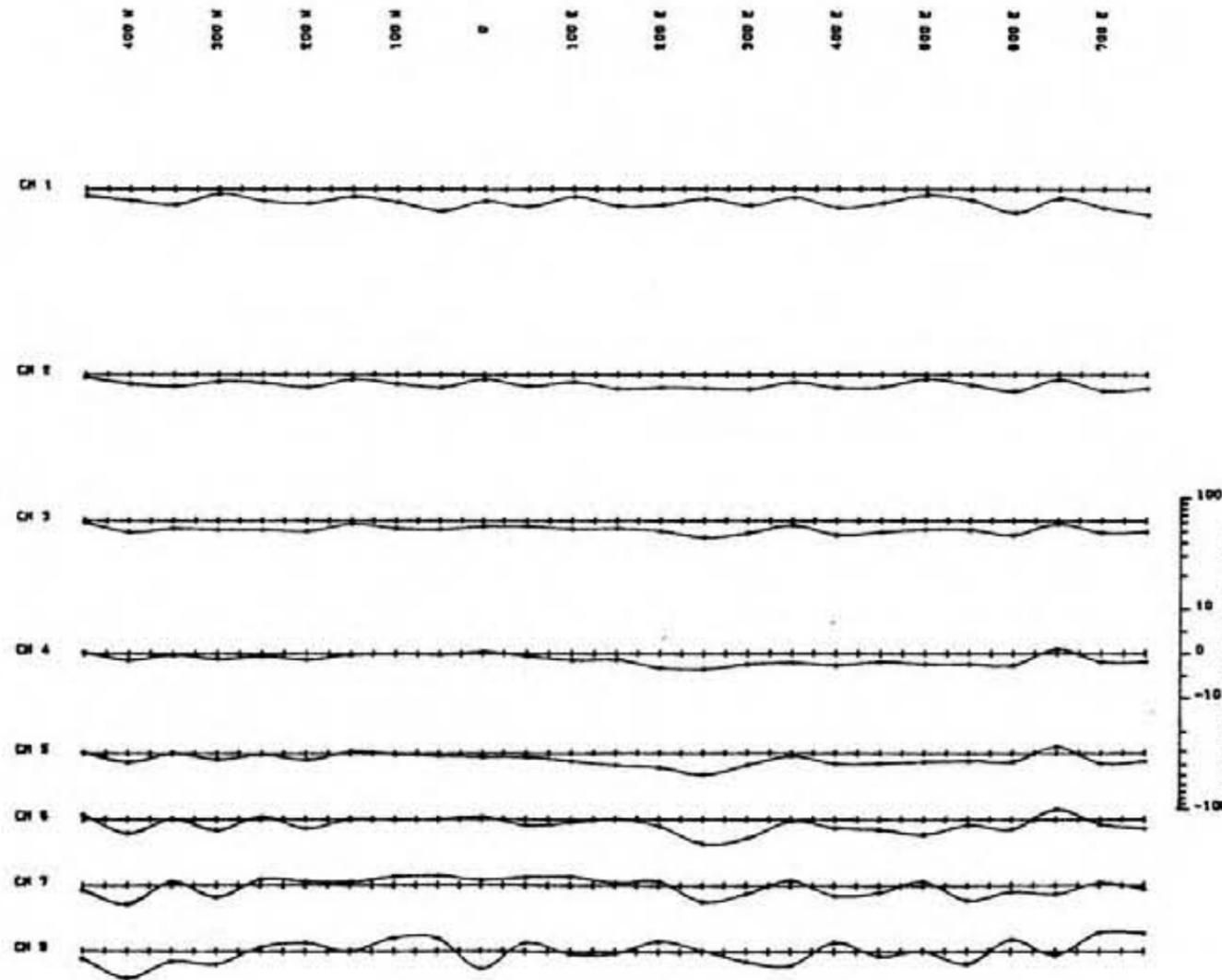


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| TX LOOP SIZE | : 15.0 M DIAMETER |
| TIME BASE | : 10.8 MS |
| HORIZONTAL SCALE | : 1:7500 |
| SURVEYED BY | : AS.TT. |
| DATE | : SEPT / 1981 |

| | | |
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|  | SURVEYED & COMPILED BY | PROJECT NO. |
| | GEOTREX LTD. | 85-907 |
| CLIENT | : CHEVRON STANDARD LTD. | |
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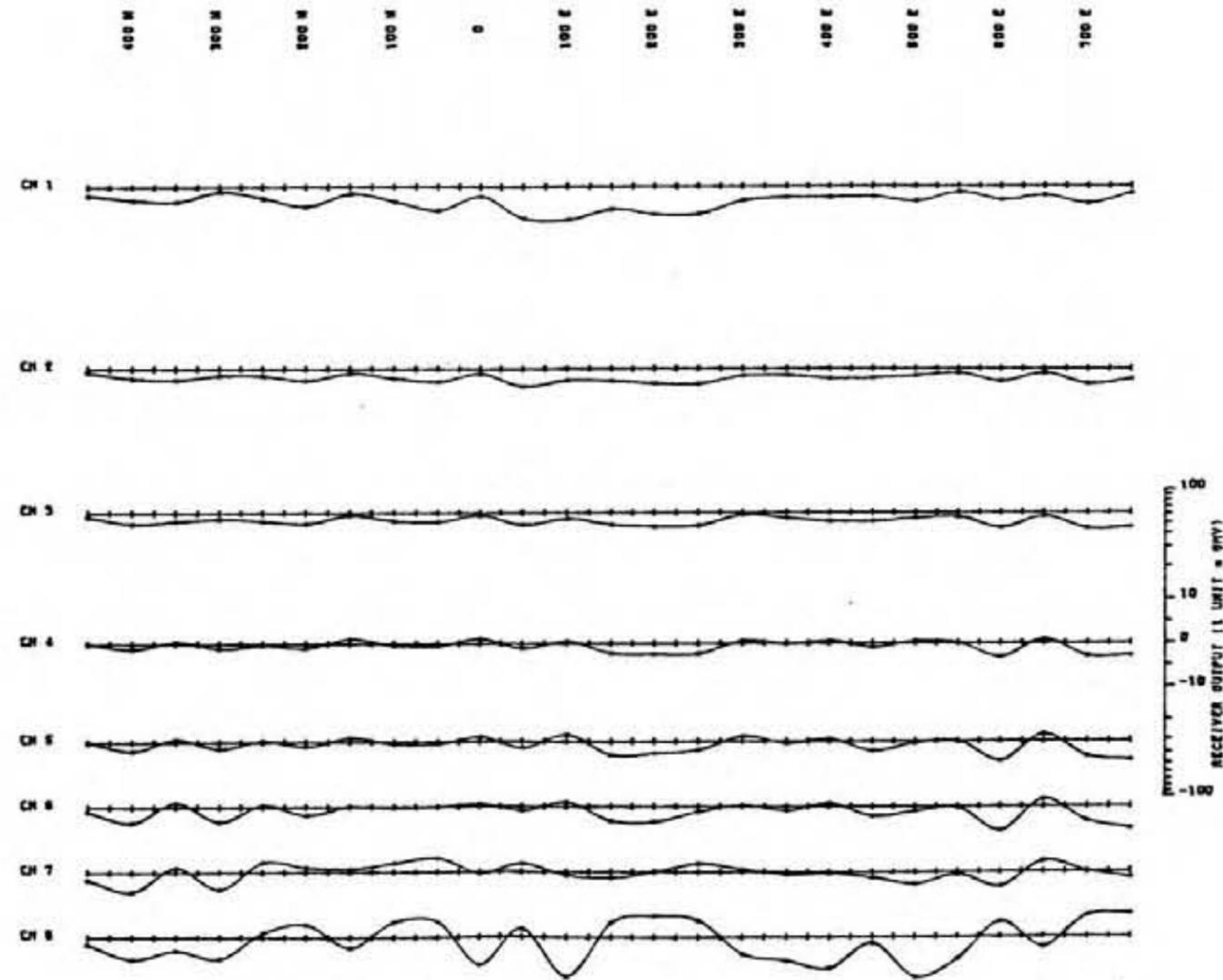


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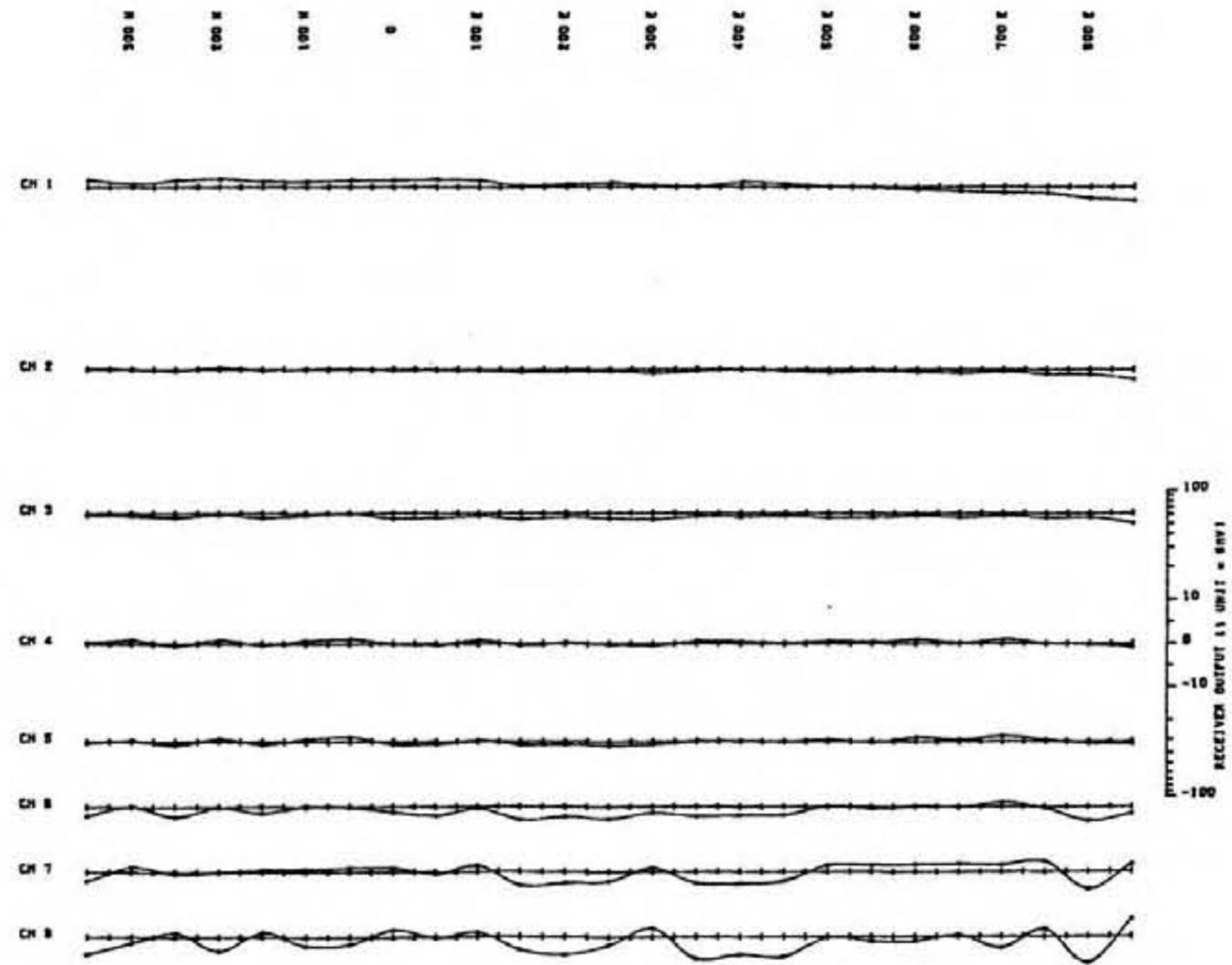


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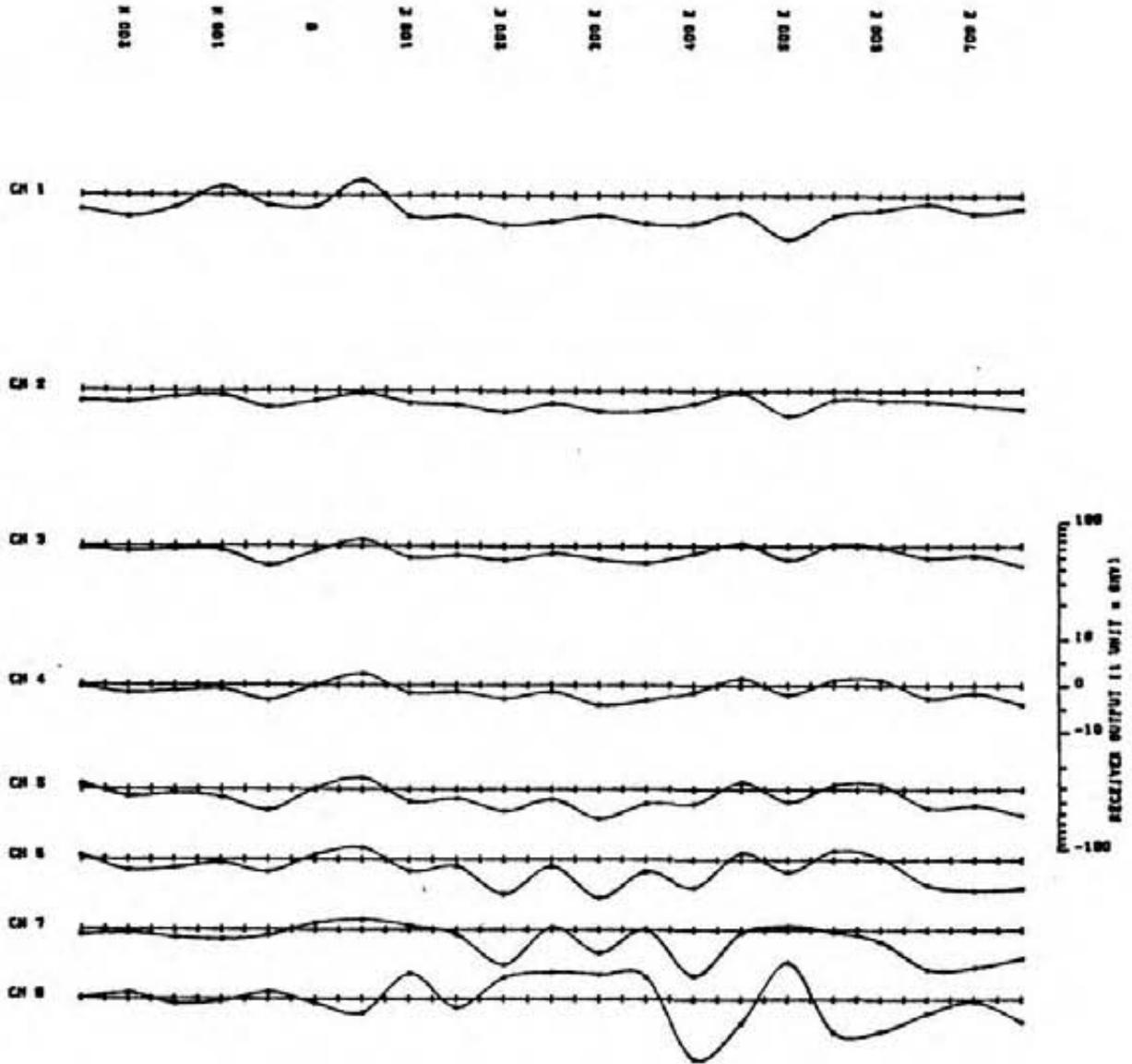


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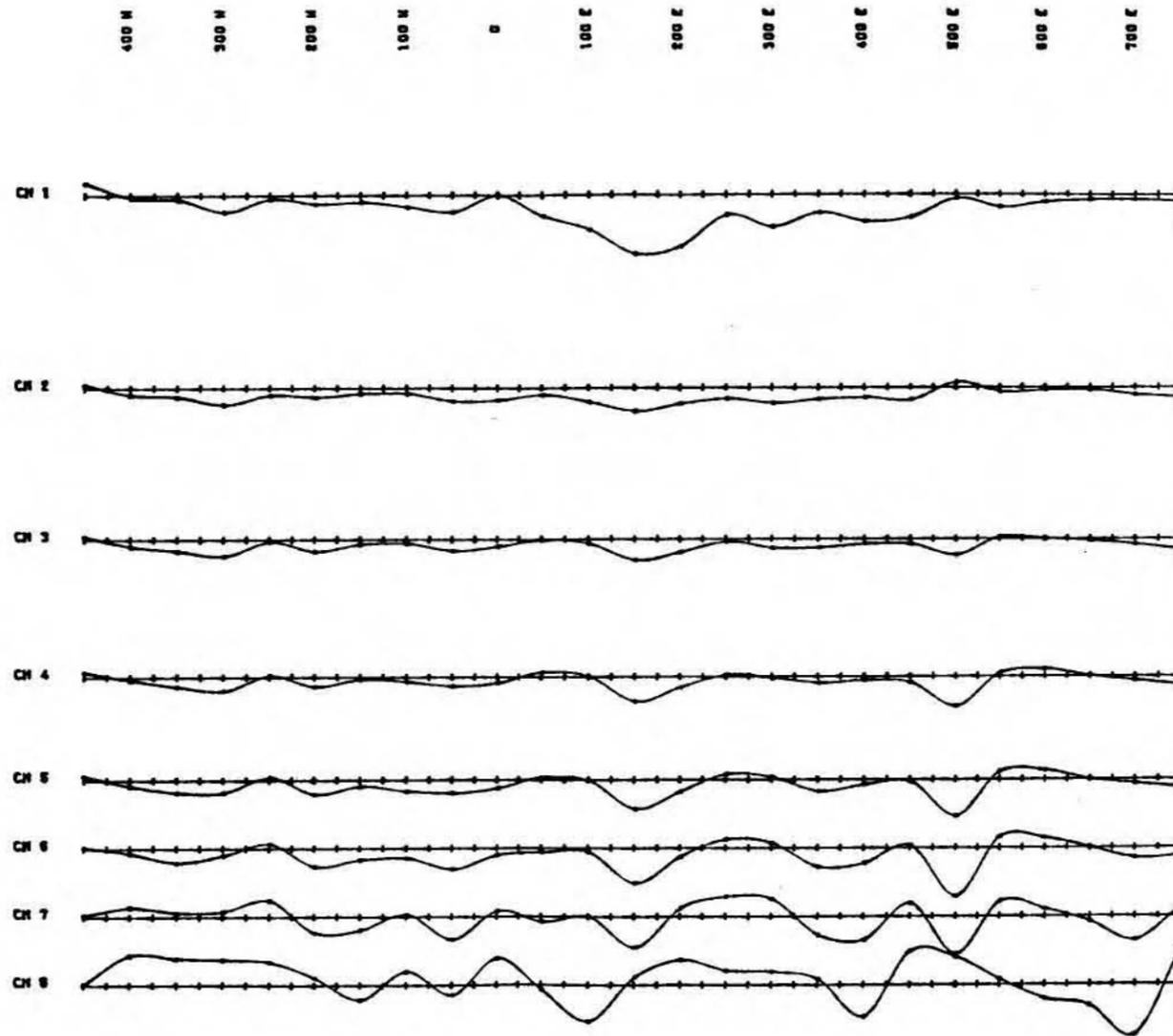
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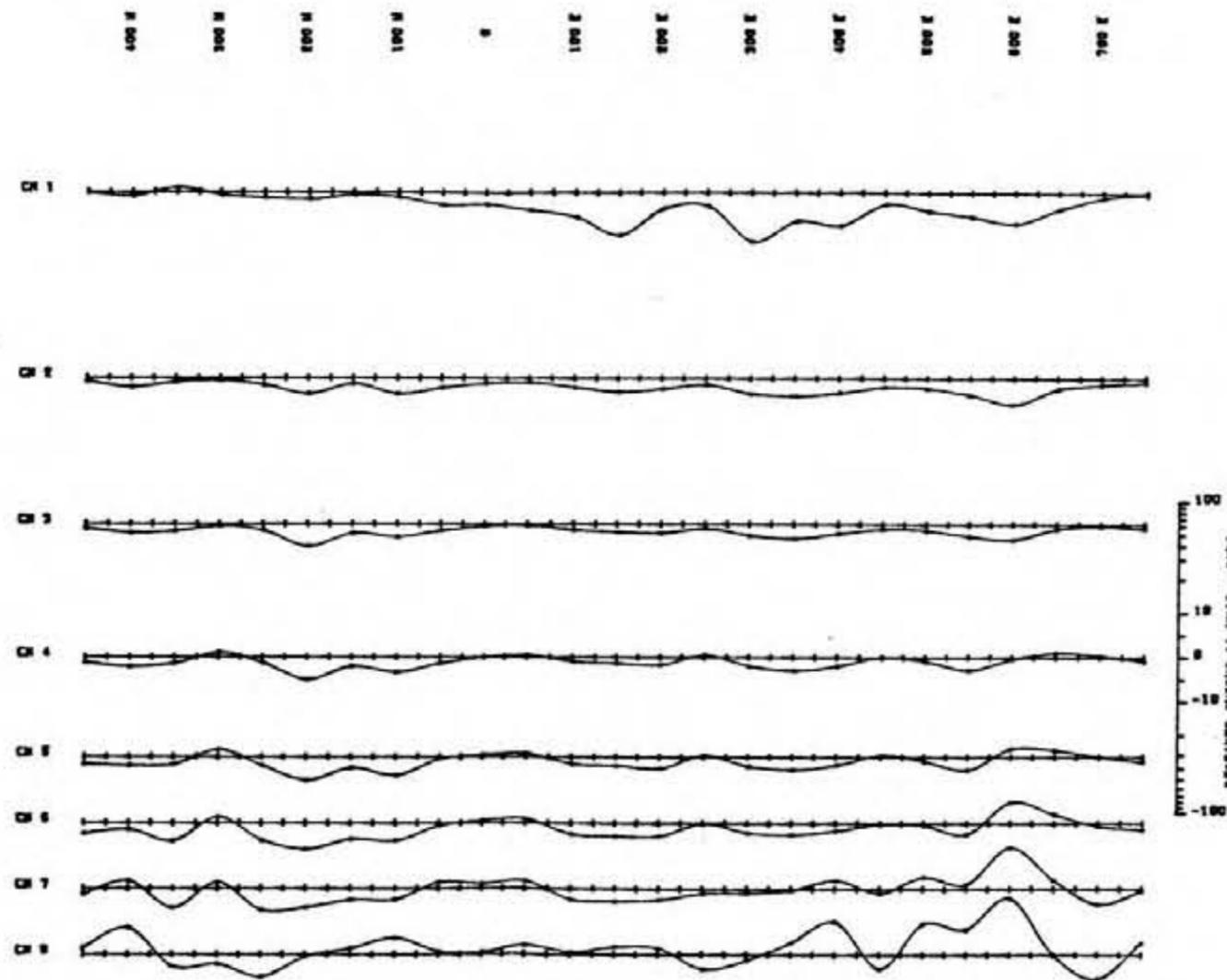


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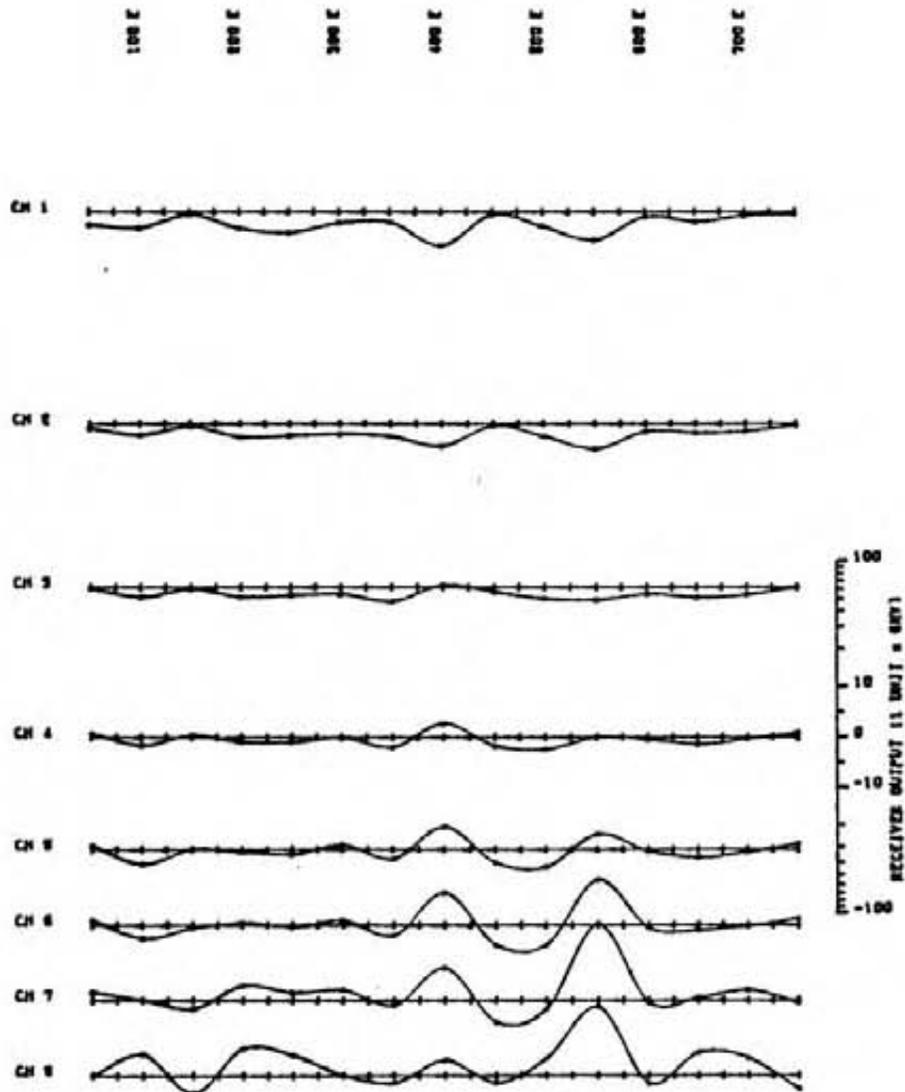


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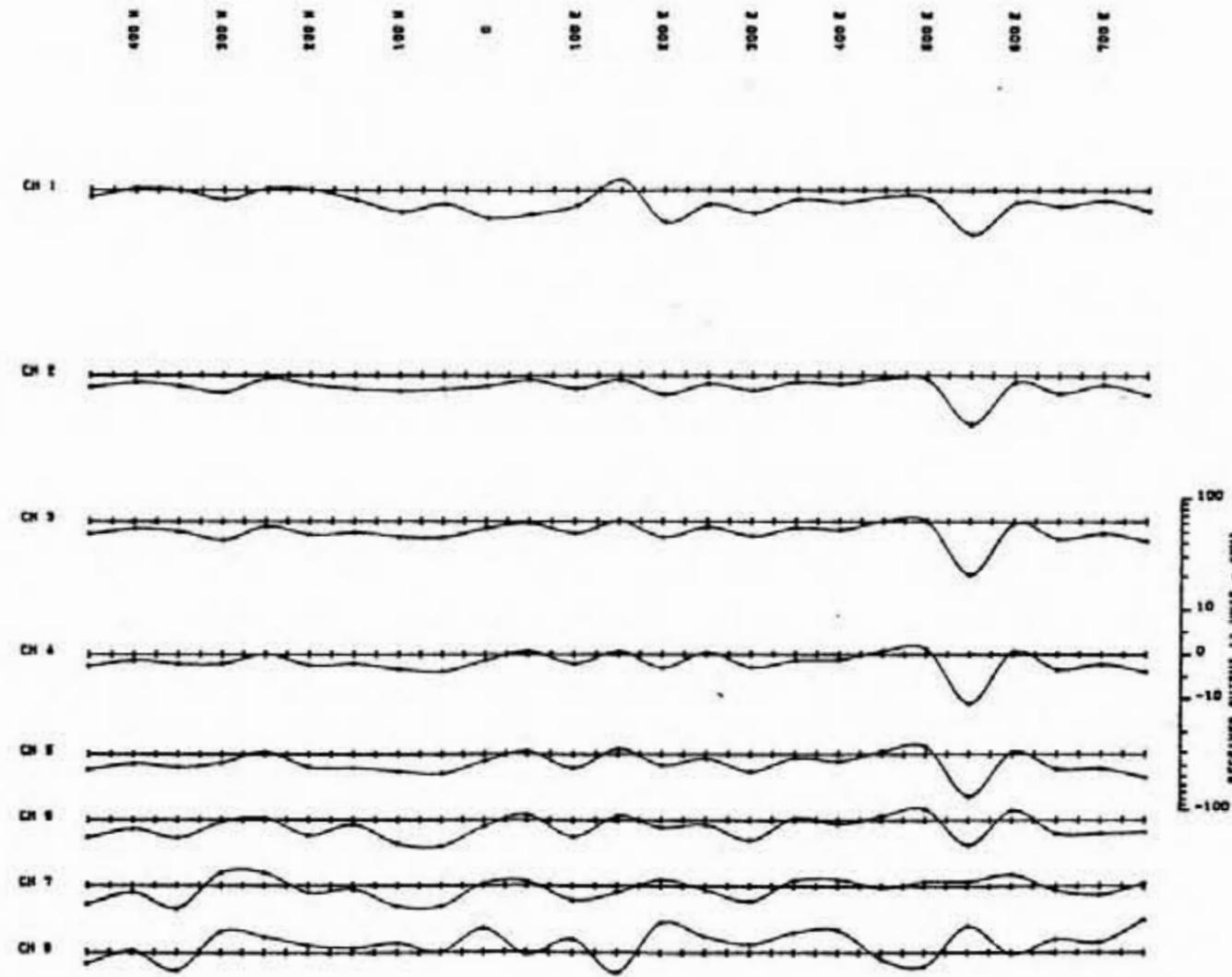
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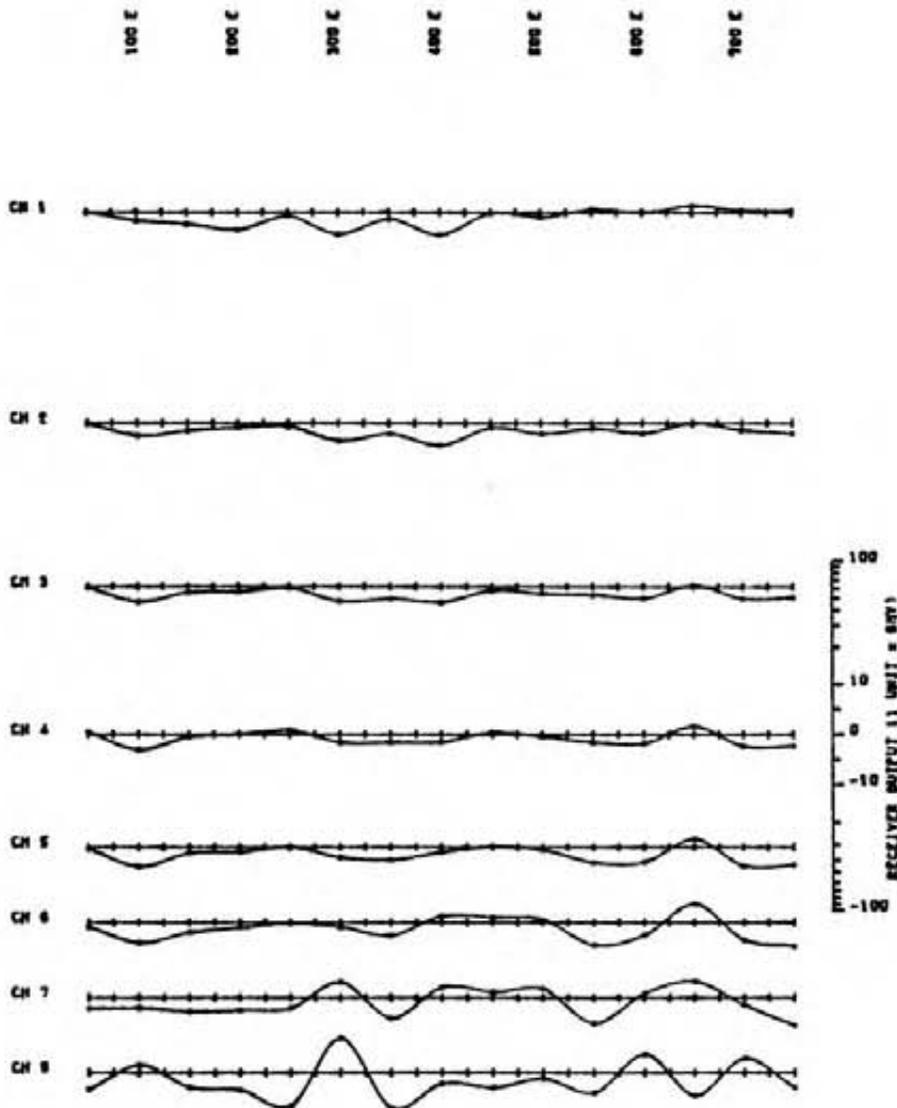


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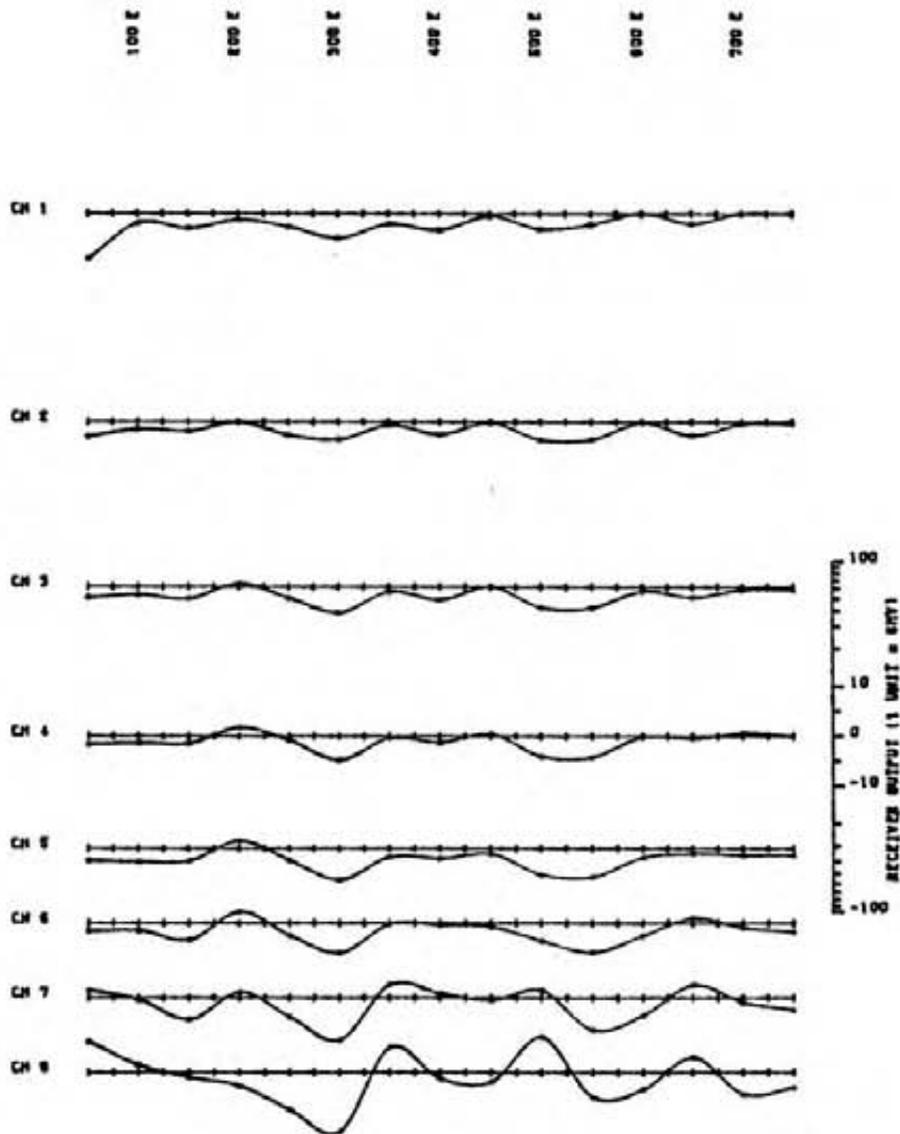
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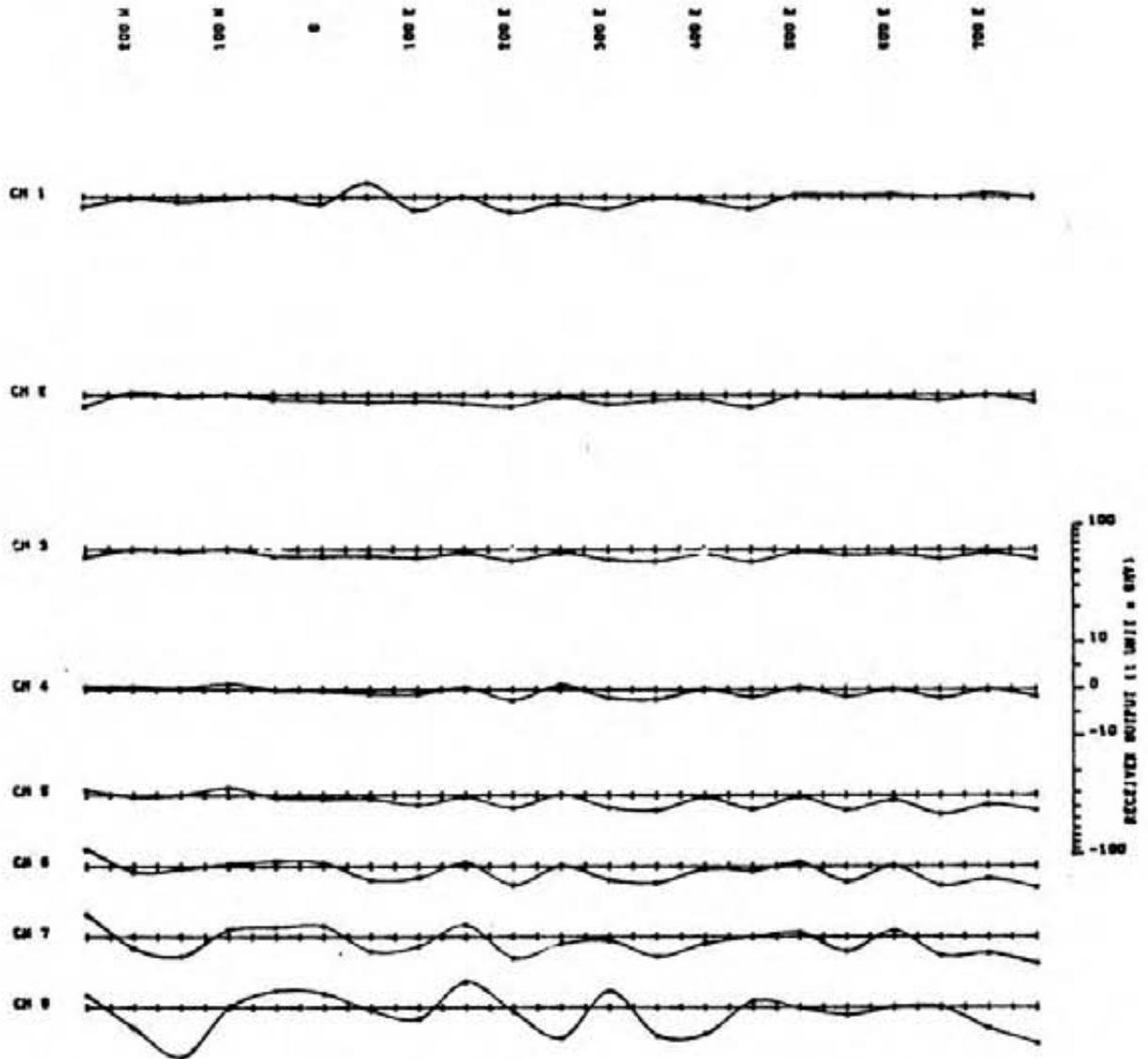
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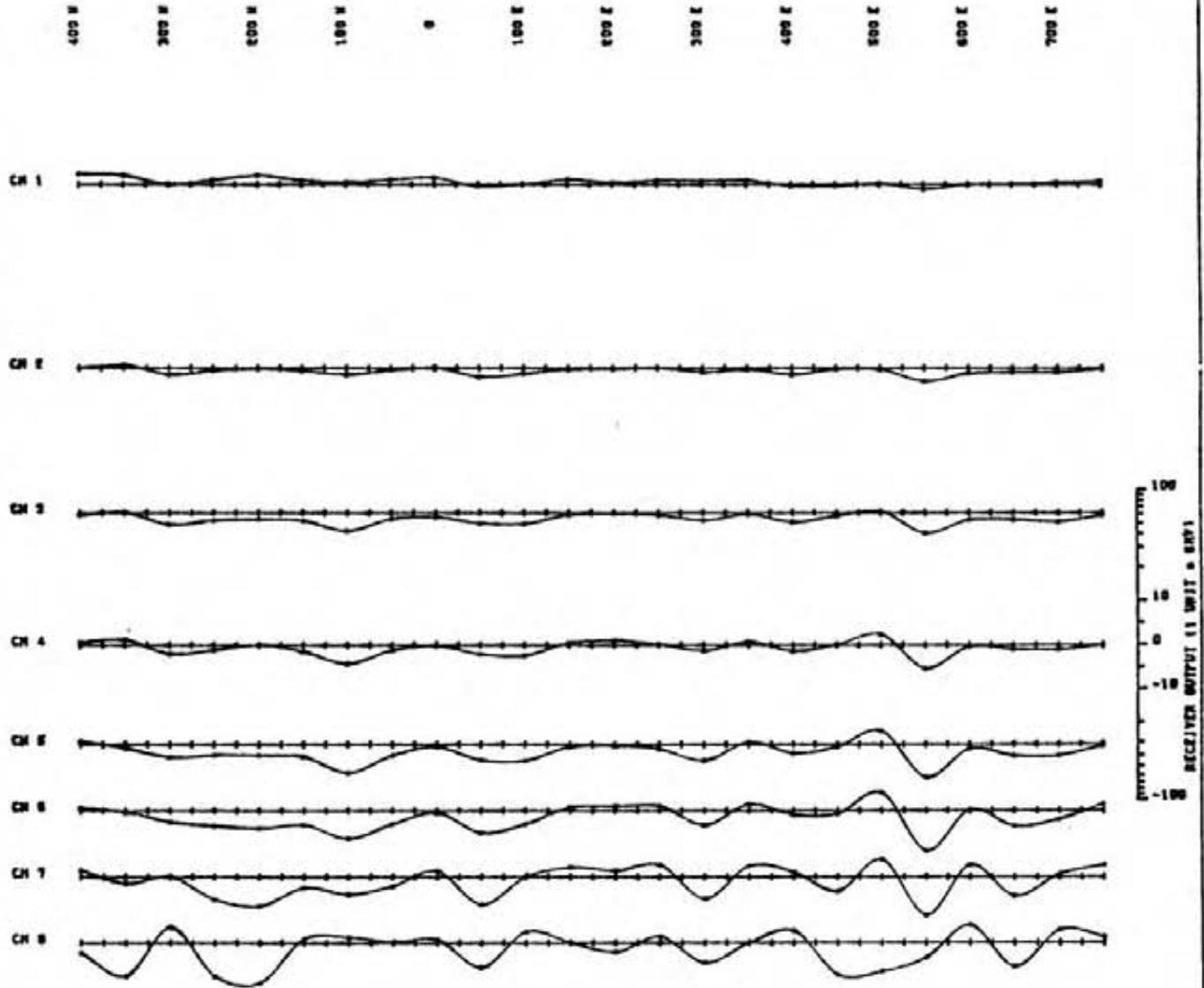
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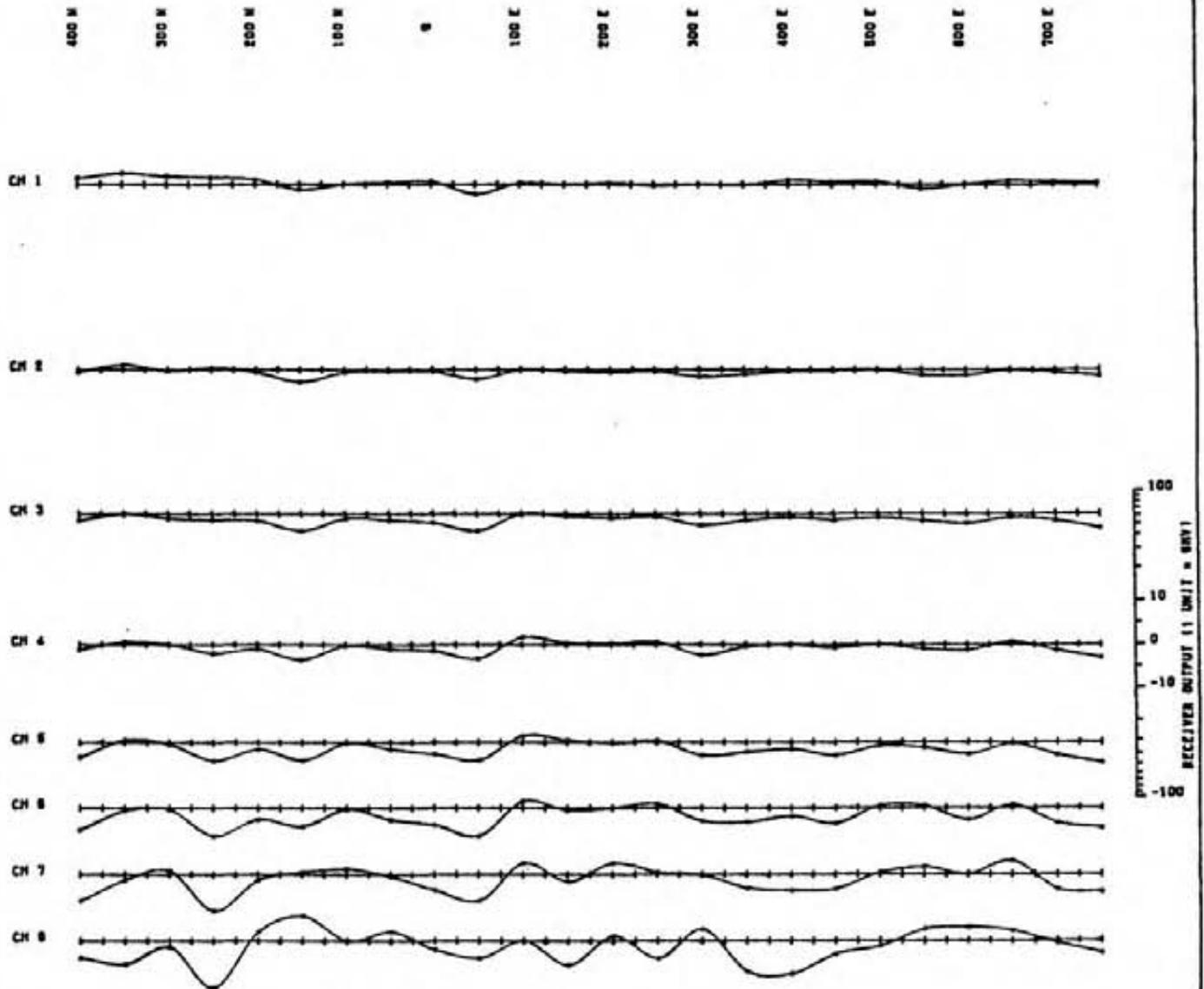
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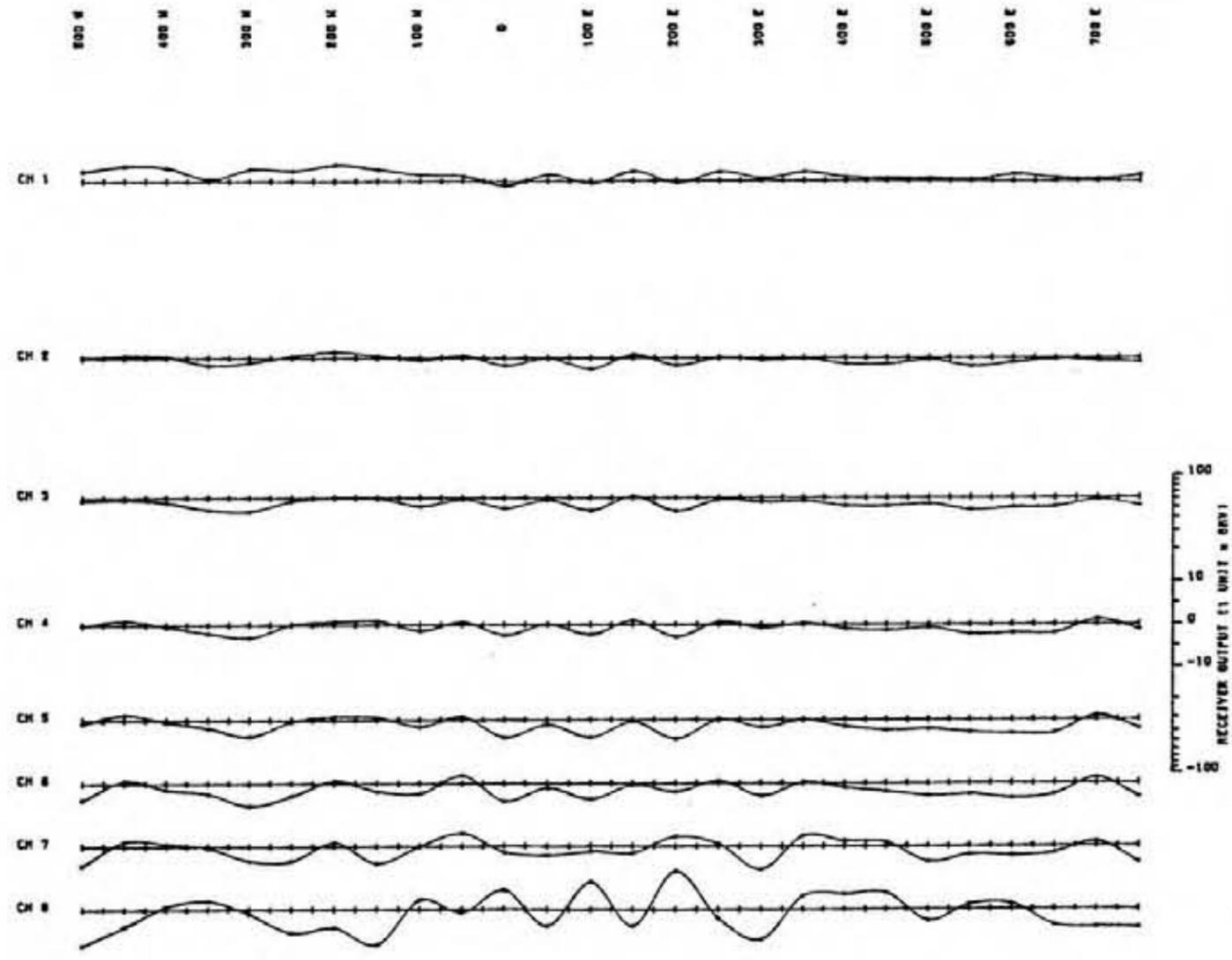
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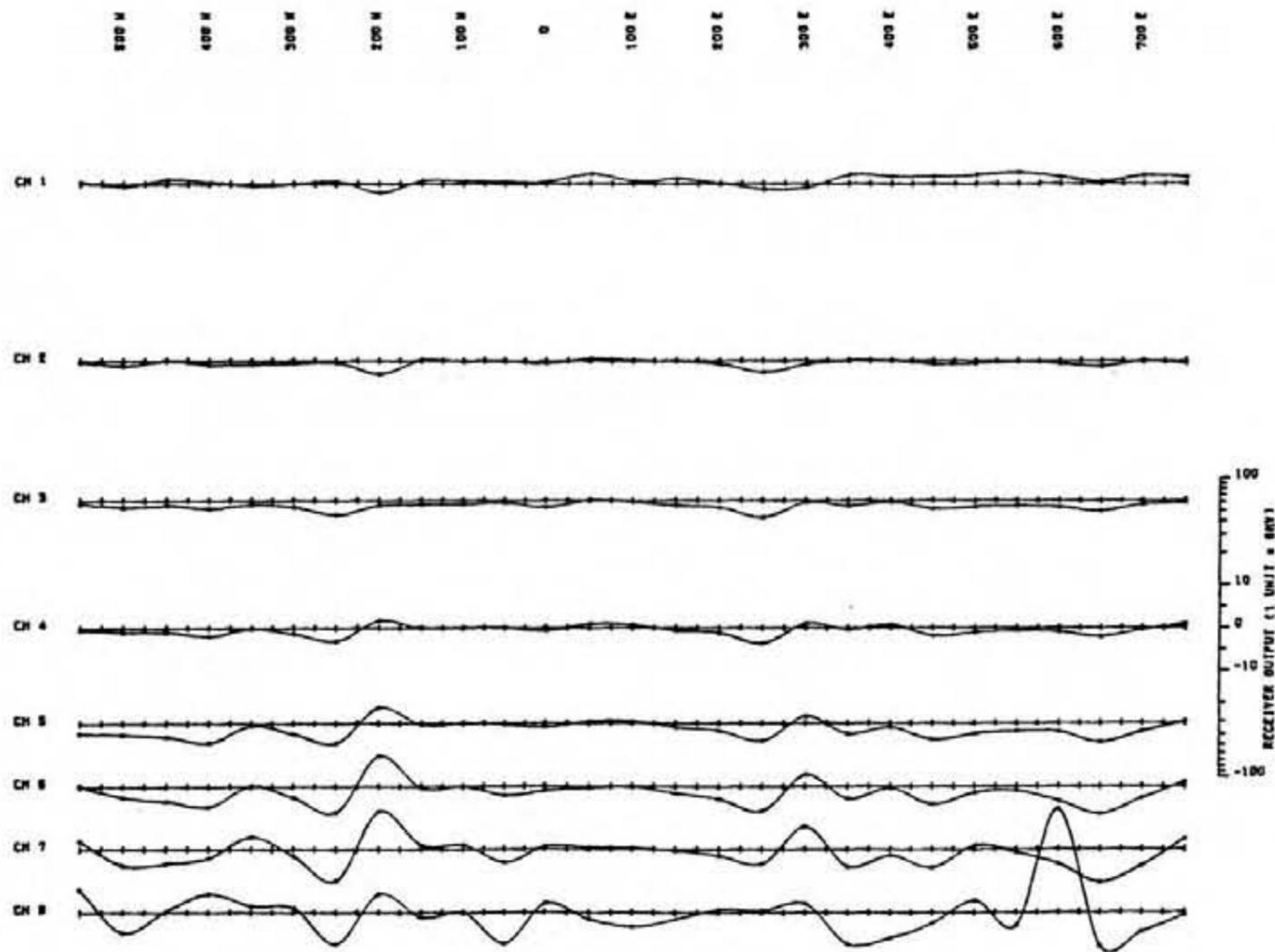


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DATE : OCT / 1981

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PEM
MOVING COILS SURVEY
RECEIVER OUTPUT VOLTAGE

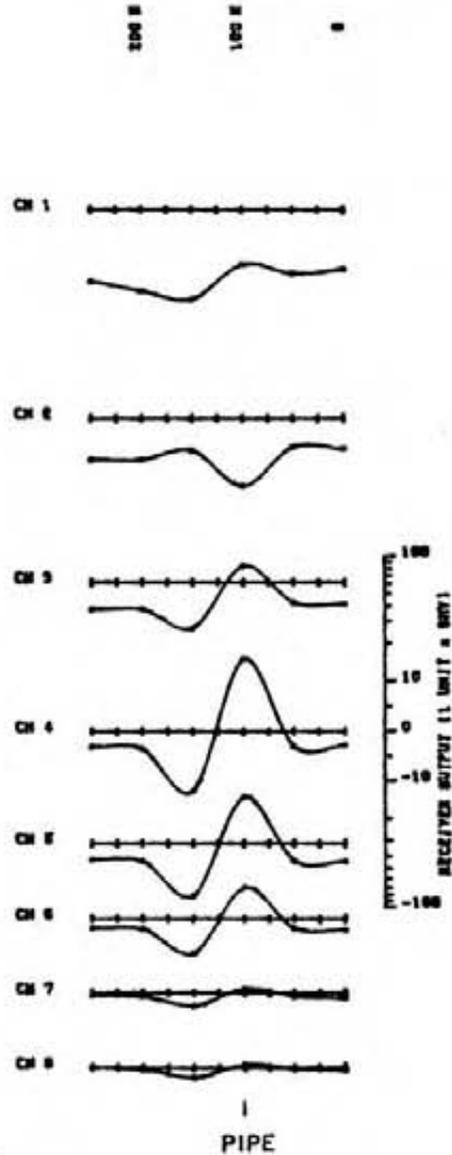


10,114

| | |
|------------------|-------------------|
| COIL SPACING | : 100 M |
| TX LOOP SIZE | : 15.0 M DIAMETER |
| TIME BASE | : 10.8 MS |
| HORIZONTAL SCALE | : 1:7500 |
| SURVEYED BY | : AS.TT. |
| DATE | : OCT / 1981 |

| | | |
|---|-------------------------|-------------|
|  | SURVEYED & COMPILED BY | PROJECT NO. |
| | GEOTREX LTD. | 85-907 |
| CLIENT | : CHEVRON STANDARD LTD. | |
| AREA | : IRON MOUNTAIN PROJECT | |
| GRID CODE | : B. | |
| LINE | : 6800N | |

PEM
MOVING COILS SURVEY
RECEIVER OUTPUT VOLTAGE



COIL SPACING : 50 M
 TX LOOP SIZE : 15.0 M DIAMETER
 TIME BASE : 10.8 MS
 HORIZONTAL SCALE : 1:7500
 SURVEYED BY : AS.TT.
 DATE : 9/24/81

| | | |
|--|--|------------------------------|
|  | SURVEYED & COMPILED BY GEOTREX LTD. | PROJECT NO. 85-907 |
| | CLIENT : CHEVRON STANDARD LTD | AREA : IRON MOUNTAIN PROJECT |
| LINE : TEST | | |

GEOLOGY DESCRIPTIONS

GENERAL GEOLOGY

The general geology of Iron Mountain is volcanic pyroclastics with lesser amounts of flows and intrusives of an apparently wide compositional range. Periods of less igneous activity are represented by immature clastic sediments and limestone with some rhyolite muds. Broadly, the units trend NNE-SSW ($\approx 030^{\circ}$) and from the occasional graded beds the sequence youngs to the E. These rocks are part of the Triassic Nichola Group volcanics.

DETAILED GEOLOGY (Descriptions by Mark Brewster)

1. The westernmost unit appears to be a dark pyroclastic and flow unit of dark green-grey or black tuffs and lapilli tuffs with largely monolithic, probably andesitic, and occasional crystal fragments, the lithic fragments often rimmed with chlorite. The flows are porphyritic to glomeroporphyritic (feldspar phenocrysts 2 - 3 mm.) and amygdaloidal partly filled with calcite and/or quartz, and acicular amphibole. In places the matrix has been heavily hematitized.
2. DARK GREY TUFF: Overlying the last unit is a varied sedimentary unit characterized by a very hard siliceous dark blue-grey or black fine grained tuff. There may be euhedral or fragmental feldspar and quartz crystals and the occasional larger dark lithic fragment (≤ 1 cm.) including occasional Jasper fragments. Generally massive, the character changes only gradually over an outcrop. This may be an aquagene tuff. Intermittent extrusive volcanism produced several porphyritic to glomeroporphyritic (feldspar xtals - 2mm.), dark grey flows and fine grained tuffs. To the south this unit thickens considerably and contains a

small pocket of purple and green mottled tuff similar to the purple-green lapilli tuff. This unit ends abruptly against an andesitic lapilli tuff.

3. PURPLE-GREEN LAPILLI TUFF: This is a largely andesitic (?) unit characterized by a dark-purple matrix and an abundance of dark green chlorite fragments. Fragments are generally 2 - 3 cm. but may be 4 cm.+ Chlorite fragments may show a yellow/green streaked appearance not seen in other units. Other fragments are usually dark grey/purple or red/brown, porphyritic to fine grained and angular to subangular volcanic, and occasionally jasper. Much less frequent felsic intrusive and extrusive fragments may be found, and fragments usually touch each other. Commonly the matrix and lithic fragments are very siliceous, but not the chlorite fragments. However, it may vary from being entirely chloritic to entirely silicified.

A green volcanic arkose unit appears in places near or at the top of this unit. It is poorly sorted (fragments generally \leq 2mm.) and variable in thickness, and is more important to the south as the lapilli tuffs thin out and laterally progress into a more sedimentary facies. Near where this unit changes from predominantly pyroclastic to predominantly sedimentary facies there is a small pocket of gypsum.

4. SOUTH WEST SEDIMENTS: A small package of sediments lies to the south of and stratigraphically equivalent to the PURPLE GREEN LAPILLI TUFF. It consists of argillites and impure sandstones with variable amounts of crystal fragments and subrounded lithic fragments. The argillites

are black and variably siliceous; the coarser sediments are mineralogically and texturally immature arkosic sandstones, medium green/grey with dark green chlorite spots. (\approx 1 mm.).

There are several basic to felsic tuff to lapilli tuff beds. Alteration of this unit makes many of the rocks difficult to identify.

This sediment unit is separated from the next unit by a thin finger of the PURPLE GREEN LAPILLI TUFF which shows a gradational change over 10 - 20 m. into the WISPY CHLORITE UNIT.

4. WISPY CHLORITE UNIT: This light green unit can be traced across the property until the south end, where it thins out against the sediment pile. It is an acidic tuff to lapilli tuff with a fine grained matrix in which are scattered without touching each other, dark green sub-angular chloritic fragments and wisps and bright red Jasper fragments (\leq 1cm.). Crystal fragments are usually pink feldspar and less often quartz. Although hard, this unit is not extremely siliceous.

Within this lapilli tuff are occasional gritty to argillaceous sediments (brown/grey flecked with chlorite), and an andesite (?) tuff. Overlying this unit is a massive domal rhyolite unit.

5. RHYOLITE: Variably light green/grey or cream to a dark blue/grey when fresh, it weathers a characteristic yellow rust orange and is very fractured. It appears to be a predominantly pyroclastic unit, generally lapilli tuff (6 - 7 cm.) with finer tuffs or flows. Fragments are an-

gular and poorly sorted and often difficult to see. In one place there is bedding and laths of feldspar are aligned parallel to bedding, with one large (1 cm.) rhyolite pebble, indicating some of this unit was subaqueous during deposition.

This unit has been heavily altered in areas and silicification may have made more basic rocks look like part of this unit. There are several sediment beds within this unit.

6. PURPLE ARKOSE: The purple arkose occurs in the SSW part of the mapped area and starts approximately where the RHYOLITE (5) unit pinches out. The PURPLE ARKOSE lies directly above the WISPY CHLORITE UNIT. Generally a red/purple silt to sandstone with occasional feldspar fragments (\approx 1mm.) and green/black chlorite flecks.

It is massive to thinly bedded, mineralogically and texturally immature (arkose) with small pods (\leq 40m. long) of massive or bedded Jasper. There is quite frequent specularite veining and quartz veining with associated silicification.

One area of this unit is not purple but a brown/green, and it is this, together with essentially the same sediment type, which may mean that the PURPLE ARKOSE and the next unit, the GREEN GRIT, are the same unit.

7. GREEN GRIT: A rapidly southwards thickening clastic unit overlies the PURPLE ARKOSE, and the RHYOLITE (5) interfingers for several hundred metres between the ARKOSE and GRIT units. Usually a medium green/grey or blue/grey and flecked with chlorite spots (2 mm.). Fragments of quartz

and feldspar crystals are visible and the occasional red Jasper fragment.

Slight alteration by epidotization is often common along fractures and the whole rock may or may not be silicified.

A characteristic feature of this unit is the abundance of angular voids throughout up to 7 mm. which have subsequently been filled or partially filled by calcite and/or quartz.

There are minor amounts of black siliceous argillite, usually with white feldspar crystals visible in the matrix.

8. ANDESITE LAPILLI TUFFS: In the centre of the map is a unit of dark green/blue-grey or maroon andesitic lapilli tuff. Thickest 700 m. south of the summit, it thins both to the north and south, eventually pinching out. It is a massive fragmental unit. The constituents are generally dark basic, grey-black with occasional lighter felsic fragments and very occasional outcrops of a more felsic nature. Fragments are generally angular and ≤ 1 cm. and consist of both lithic and crystal types. Crystal fragments can be up to 10% of the rock and lithic fragments - 30 to 40%. Quite often there are quartz and calcite filled voids, both irregular and spherical (amygdales ?). Chloritic and Jasper fragments are also common.

There are a number of fine grained dark argillic tuffs, fine silts and gritty beds. In places there are areas on fractures and between fragments of bright red and ferruginous chert.

9. ANDESITE (?) FLOWS: This is a small unit of light purple/red to dark purple/

green flows and tuffs to lapilli tuffs. Generally massive with subangular red and/or light green fragments. Flows are amygdaloidal and banding may be present. There are several pods of banded Jasper and Jasper quartz veins, and hematitization is variable throughout. This is a poorly defined unit and although it is similar to the PURPLE/GREEN LAPILLI TUFF, it was mapped originally as rhyolitic, and that the hematitization had given it a darker colour.

10. SEDIMENTS AND TUFFS: A mixed sedimentary, and felsic-basic clastic unit which interfingers with or possibly is a lateral facies change from SEDIMENTS (11). These sediments are usually sandstones and siltstones with pyroclastic fragments. There are approximately equivalent amounts within the pyroclasts of felsic and basic material.

Pyroclastic material is generally angular, lapilli tuff to fine grained tuff and may be well sorted. Basic material may be chloritic.

11. SEDIMENTS: This unit is predominantly sedimentary with some pyroclastic materials. Sediments are generally grey or brown sandstones, siltstones, bedded, poorly sorted and immature mineralogically. There are occasional beds of argillite and grey limestone and some of the beds are fairly calcareous. Many of the beds have occasional larger fragments of volcanic material and one bed has clastic sulphides. To the extreme north there is a small pocket of limestone which may be part of the unit or of the LIMY SEDIMENT UNIT (14a).

There are several beds of dark green or purple/brown lapilli tuffs with basic angular fragments ≤ 2 cm. that are chloritized and silicified in places.

12. LIGHT GREEN SILICEOUS TUFF: Although a fairly thin unit, like the RED SILTSTONE (13), it outcrops continuously across the map and both form distinctive marker units. Both these units - (12) and (13) - are to the south separated from each other by a maroon-green lapilli tuff very similar to ANDESITE LAPILLI TUFFS (8), so that it is very possible that these two units should be included as part of (8).

This is an acidic, light green, highly siliceous tuff to lapilli tuff with a fine grained matrix, set in which, without touching each other, are a number of coloured fragments, the most distinctive being chloritic and red hematite stained and/or Jasper fragments. Fragment size is < 1.5 cm. and generally is $\approx 2 - 4$ mm. and usually angular.

This unit is occasionally chloritic and at first glance looks exactly like the WISPY CHLORITE UNIT, only the latter is coarser and less siliceous.

13. RED SILTSTONE: This is a uniform, reasonably sorted dark red/purple silty sandstone. It does not appear to be well bedded and is finer grained than the PURPLE ARKOSE. It is hard without being entirely siliceous, and there may be small chlorite wisps, but these are the only fragments in this unit.

Overlying the double marker beds is a predominantly calcareous sediment sequence which has been divided into two parts. A limestone unit and a mixed limestone and calcareous clastic and pyroclastic unit.

14. GREY LIMESTONE: The limestone unit is to the south of the A fault, with a

possible small wedge immediately north of the fault, and it is separated from the marker beds by a thin unit of ANDESITE LAPILLI TUFFS (8).

It is massive, grey, fossiliferous, calcargillite to calcarenite, with a common clastic impurity of feldspar crystals. In places the limestone is coarsely crystalline, possibly due to local heating and recrystallization. It is regularly cut by thin calcite, chlorite and occasionally quartz veins. Fossils are primarily brachiopods, with a lot of bioclastic debris (≤ 2 mm.). There is a minor amount of purple andesite tuff beds, which include jasper fragments and feldspar crystals, and there is a thin green/grey gritty arkose.

- 14a. LIMY SEDIMENTS: The limy sediment unit is both north and south of the A fault. To the north, this unit lies at first against the two marker beds and then nearer the A fault it becomes separated from the marker bed by a wedge of ANDESITE LAPILLI TUFF. To the south of the A fault, the LIMY SEDIMENTS are at first against the massive GREY LIMESTONE unit, but they soon become separated by a rapidly thickening wedge of rhyolite and andesite tuffs and lapilli tuffs - (15) and (16).

Graded beds show clearly a younging eastwards, and the majority of this unit is made up of alternating impure calcarenite or calcargillite, with less frequent calcareous to non-calcareous sandstones, siltstones, greywackes and lithic-crystal tuffs. There are beds of pure blue/grey limestone (bioclastic), but their extent is limited. Fossils include brachiopods and bryozoan remains. A characteristic bed in the north is a red rounded pebble crystal tuff, and in this same area this unit has a distinctive golden colour. Argillaceous beds, including light green siliceous fine grained aquagene tuffs and cherty beds, are also present.

Pyroclastic material is largely dark purple/green andesitic tuff with occasional amygdaloidal flows. Fragmental rocks are generally lithic, with some crystal tuffs, with some beds of lapilli tuff.

Within this unit are horizons in which there are massive sulphide (pyrite) clasts up to 1.5 cm., usually in a dark green/grey gritty arkosic bed.

Their sediment facies and rapid alternating indicates a fairly high energy environment in which there were frequent changes in current velocity and material supply, and it seems likely that a shallow basin or shelf had developed, during a quiescent volcanic period, which deepened to the south, allowing for a quieter environment in which limestone (14) could be deposited.

15. SOUTH EAST RHYOLITE: This is a thick taco-shaped body of rhyolite overlying the GREY LIMESTONE. To the north it pinches out between the two limestone units, and to the south it pinches out between the underlying andesite lapilli tuff (16) and the overlying GREY LIMESTONE. Commonly a blue-grey to green fine grained siliceous rock, often very uniform, without evidence of fragments and only a few feldspar phenocrysts, and there are no quartz eyes, so that this may be a more intermediate volcanic. Feldspar phenocrysts, when present, may be up to 5 mm. long, and in the larger crystal sizes may show a parallel orientation. The rhyolite changes abruptly into a basic pyroclastic unit.
16. ANDESITE LAPILLI TUFF: This is a dark grey-purple and mottled green, angular, lithic and crystal tuff to lapilli tuff. The rock may be

entirely chloritic or siliceous but commonly has a silicified matrix and chloritic fragments. Some of the dark lithic fragments have porphyritic feldspar, and there are occasional fragments (≤ 2 cm.).

There are occasional beds within this unit of green volcanic siltstone to coarse sandstone, with lesser amounts of black silicated argillite and green/grey fine grained aquagene tuff, commonly bedded and graded (tops to SE).

The andesitic lapilli tuffs interfinger with and grade into a small sedimentary package (16a) which shows similar rock types as seen in the lapilli tuffs but shows a cyclic nature in the sequence of beds.

- 16b. The very SE corner of the map shows the beginning of another rhyolite sequence, in which there is a bed of black argillite. Part of this rhyolite has been intensely altered to a bleached sericitized, clay altered rock type very similar to the altered rock on the top of Iron Mountain.
17. COTTAGE CHEESE LAPILLI TUFF: A rather irregularly shaped unit of lapilli tuff overlies part of the LIMY SEDIMENT UNIT. It is grey/green with fragments ≤ 1 cm. making up to 60% of the rock set in a finer grained calcareous matrix. Fragments are subangular to sub-rounded and may be chloritic. Some areas are fine grained tuffs.
18. RHYOLITE DYKE AND FLOWS: This is a distinctive hummock just to the east of the access road on the north side of the mountain, and it is a rhyolitic intrusive and possibly some extrusive material (as flows).

There is no fragmental material. Throughout, the unit is a light grey-green, highly siliceous matrix with quartz eyes (≤ 1 mm.). It weathers characteristically a cream-grey, with parallel rusty brown streaks, possibly a flow banding or fine jointing related to cooling.

On the south end of this hummock is a classic example of hexagonal columnar jointing, of the same rock type, and possibly representing a dyke for the surrounding rhyolite flows and RHYOLITIC MUDS (19).

19. RHYOLITE MUD: Partly surrounding and overlying the RHYOLITE DYKE AND FLOWS is an extensive area of very uniform aquagene tuff. It is a very fine grained argillic rhyolite mud varying in colour from green to black and it is highly siliceous.

Fragments are not common, but chloritic fragments and quartz eyes (10%) do occur, and there are a few beds of andesitic tuff to lapilli tuff (fragments ≤ 1 cm.).

20. PURPLE ANDESITE BRECCIA: The green rhyolitic muds grade into a green grey lapilli tuff (20a) with fragments ≤ 1 cm. and up to 40% chloritic fragments, and this is probably the unhematitized part of the ANDESITE BRECCIA. The ANDESITE BRECCIA is a deep purple with fragments up to 9 cm., although more commonly ≤ 5 cm., which make up 70% of the rock and are set in a very dark purple matrix. Most fragments appeared to be andesitic pyroclastics and flows, but there were sedimentary and crystal fragments also.

21. RED LIMESTONE: One outcrop of a red, highly fossiliferous (reef) hematite

stained limestone.

- D. DIORITE: These occur as small bodies (maximum \approx 350 m.) of medium to coarse grained stocks. Generally fairly irregular in outline, these intrusions have caused local hornfels contact metamorphism.
- J. JASPER: The jasper on Iron Mountain typically occurs in discontinuous pods and thin beds up to 15 m. long and several metres thick. Usually thinly bedded (\leq 0.75 cm.) and very often brecciated to various degrees, there may also be some pre-lithification slump features. The main jasper "horizon" is not confined to any one unit or boundary between units. It does broadly run along strike and is generally stratigraphically above the WISPY CHLORITE UNIT. Although it appears to transgress this unit to the north, this may be another jasper horizon below the WISPY CHLORITE UNIT (like the jasper west of the WISPY CHLORITE at the old antennae site).

There are several other jasper occurrences both above and below the main horizon which would indicate that the hydrothermal activity occurred intermittently through the basic volcanics and that the rhyolites mark the end of a volcanic phase and with it the jasper deposition.

During discussion with Jay Hodgson this summer, he indicated that many of the jasper horizons associated with Japanese massive sulphide deposits overlies a feeder zone of heavy specularite veining. Such a situation appears to occur on Iron Mountain. In the SW corner of the area mapped there is an area in which many of the outcrops have specu-

larite veins from \ll 1 mm. to 0.75 m. These veins are rarely present above the major jasper horizon and have often caused heavy alteration (sericitization, silicification and some epidotization) in the rocks below the PURPLE ARKOSE.

It is also possible that the PURPLE ARKOSE is the same as the GREEN GRIT but that it was deposited during heavy ferrigenous silica hydrothermal activity.

- V. VOLCANIC VENT: There is one 50 m. wide resistant plug, bounded on the southeast by a fault, and on most of the other sides by steep faces. It forms a steep-sided hummock and is crudely circular. It is a volcanic breccia with fragments in excess of 7 cm., both igneous and pyroclastic nature with a finer matrix. Its dip into the mountain is unknown.

FRAGMENTAL SULPHIDES: Further evidence of mineralization of a strata-form massive sulphide type comes from the presence with the LIMY SEDIMENT UNIT (14a) of beds with clasts of pyrite up to 1.5 cm. - variably rounded, and occasionally bedded. There are, however, no clasts of basic metal sulphides. Nor has it been possible from the available information to determine any direction in which the fragments become larger.

STRUCTURE

The Iron Mountain sequence appears to be broadly striking SSW-NNE, although to the north this changes to SW-NE. It appears to be result of a gentle

fold. The beds dip generally to the east. However, within the volcanics, bedding is less reliable, with more variation. Perhaps 50% of the readings indicate bedding dips to the east and, often within 50 - 100 m. of each other, another reading for an opposite dip, so it would appear that there is small scale folding as well.

The beds dip moderately steeply, 56° - 90° in the south and more gently in the north (30° - 60°), and occasional trough cross-bedding and grading indicate a younging to the east.

A major fault (A) cuts the entire sequence of rocks, and it would appear to have been downthrown on the south side, but the amount of movement is not known.

A second smaller fault (B) further south shows a movement possibly on the north side. If this is the case, then the Lucky Todd and ST(1) vein would appear to be in a small downthrown block. There also appears to be some transform movement along these faults which has lead to some drag folds developing along the fault.

MINERALIZATION

Iron Mountain has been so named because of the extensive hematite and specularite mineralization (already described) which has occurred near the top of the mountain and on which in the past a large amount of blasting has occurred.

Galena, sphalerite, barite and occasionally copper mineralization is present in three places as what appear to be veins. The major vein (the Lucky Todd) was 2 m. wide and located at a rhyolite-sediment contact.

This was worked during 1927-28, when sample yields gave:

| | |
|----|-----------|
| Ag | 1 - 2 oz. |
| Pb | 8 - 18% |
| Zn | 2 - 3 %. |

The other two veins have been trenched in the past and samples taken from these gave the following results:

| | ST 2 | SAMPLE NO. SM 198 | ST 1 | SAMPLE NO. SM 58 |
|----|------|----------------------|------|---------------------|
| Cu | | 184 | | 1,050 |
| Pb | > | 10,000 | > | 10,000 |
| Zn | > | 10,000 | | 8,750 |
| Ba | > | 10,000 | > | 10,000 |

These veins are spaced across the property and do not lead to large anomalous soil assay zones. The veins are within rhyolites or, in the case of ST 2, in sediments (14a?).

Copper (malachite, azurite) occurs as minor mineralization in heavily altered silicified and sericitized zones. Some of these zones exist around the diorite intrusions, and mineralization is related to these. Elsewhere the copper has no obvious explanation.

ALTERATION

CHLORITIZATION: This has taken place extensively within many of the basic tuffs and lapilli tuff fragments, and less often through the entire rock. It has also occurred with fragments in the more acidic tuff and lapilli tuff units, notably the WISPY CHLORITE UNIT and the LIGHT GREEN SILICEOUS TUFF. In several places chlorite veins were noted and the diorite stocks usually show chlorite alteration. The entire belt of Nicola rocks have been metamorphosed so that the use of chlorite-sericite alteration zones, common near other polymetallic deposits, as an indicator is not possible.

SERICITIZATION AND SILICIFICATION: This has occurred in a number of discrete areas, often as a zone around the diorite intrusions, where in addition to the above, there is some copper mineralization.

Hydrothermal, iron-rich solutions have heavily altered parts of the country rock cut by specularite veins. The extent of alteration is such that it is often not possible to recognize the rock type any longer.

This type of alteration has also occurred very near an andesite intrusive. Silicification is more intense than that associated with the specularite veining, and there is also some copper mineralization (malachite). It is not certain whether the intrusive and the alteration are related.

CLAY ALTERATION: This has taken place in two places, one on the top of Iron Mountain near the micro-wave tower and the other at \approx 38 N and 63E

(SE corner of the map). In both cases a rhyolitic unit has been bleached, with some iron staining and probably also sericitization and silicification. The alteration is, however, very limited (one outcrop in each case).

SILICIFICATION: There is a broad division NE-SW, west of which varying degrees of silicification are common and east of which it is essentially absent. In addition to this there is an area in which heavy silicification occurs quite frequently. This last area is closely associated with the jasper horizon and perhaps represents silica precipitation due to pressure and temperature drop at the exit of the hydrothermal system which led to the formation of the major jasper horizon.

STATEMENT OF QUALIFICATIONS

I, Mark Brewster, am a graduate geologist temporarily employed with Chevron Standard at 901 - 355 Burrard St., Vancouver, B.C. V6C 2G8.

I am a graduate of the University of Manchester (B.Sc. (Hon.) 1981) and have worked in mineral exploration for three summer seasons.

A handwritten signature in cursive script that reads "Mark Anton Brewster".

Mark Anton Brewster

November 1981

IRON MOUNTAIN
THIN SECTIONS

- SM-74 Dark grey dacite fragmental flow.
Alteration products: chlorite, epidote and carbonate.
- SM-114 Brown calcareous andesite lapilli tuff.
Alteration products: hematite, carbonate and chlorite.
The clasts represent a range in volcanic textures as well as
in lithologies.
- MB-199 Rhyolite tuff.
Alteration products: hematite, carbonate, and chlorite.
Numerous opaques (pyrite) occur within the matrix and in places
appear to be replacing feldspar fragments in this framework
supported tuff.
- MB-244 Rhyolite fragmental flow.
Alteration products: chlorite and some hematite.
Angular volcanic fragments are moderately spaced within a
uniform rhyolite matrix.
- MB-282 Dark purple and green lapilli tuff (K-poor).
Alteration products: chlorite and hematite.
Clasts are very irregular angular volcanic fragments.
The rock is heavily chloritized.
- MB-208 Highly altered tuff (K-poor).
Alteration product: saussurite.
Uniform and highly altered rock exhibits a relict
pyroclastic texture. No K-feldspar is present.
- BC-71 Rhyolite fragmental flow.
Alteration product: chlorite and carbonate.
Wisps of chlorite as seen in handspecimen are chloritized
areas around fragments.
- TS-63 Highly altered grey-green flow or crystal tuff (K-poor).
Alteration products: chlorite, epidote and carbonate.
- TS-97 Grey-green tuff (K-poor).
Alteration products: carbonate, epidote and chlorite.
A highly altered tuffaceous matrix contains a few scattered
plagioclase phenocrysts.
- TS-216 Green highly siliceous flow rock (K-poor).
Alteration products: chlorite, carbonate and hematite.
Glomero-phenocrysts and small plagioclase crystals in the
matrix are preferentially oriented and define the flow
texture in this sample.

- TS-231 Flow banded rhyolite porphyry.
Alteration products: carbonate, chlorite and epidote.
- TS-240 Flow banded rhyolite.
Alteration products: hematite, carbonate and sericite.
Weak banding is visible.
- PF-7 Purple andesite - basalt fragmental flow.
Alteration products: carbonate, chlorite, epidote and hematite.
Epidote and chlorite lined vesicles are filled with carbonate.
Subrounded lithic fragments and subhedral phenocrysts are contained
in a matrix that exhibits flow textures around some of the crystals.
- PF-38 Diorite.
Alteration products: chlorite, sericite, carbonate and epidote.
- PF-42 Porphyritic diorite.
Alteration products: carbonate, sericite and chlorite.
Large pyroxene phenocrysts occur throughout the diorite and are
rimmed by amphibole.
- PF-73 Rhyolite crystal tuff.
Alteration products: chlorite and sericite.
- PF-84 Purple rhyolite lapilli tuff.
Alteration products: chlorite, carbonate, hematite and sericite.
The volcanic clasts span a wide range of textures and compositions.
- PF-91 Light grey lapilli tuff (K-poor).
Alteration products: carbonate, sericite and chlorite.
Irregularly shaped fragments are often altered previously to
chlorite.
- PF-107 Fine grained chlorite porphyry (probably a dyke rock).
Alteration products: chlorite and epidote.
Garnets occur within highly altered areas.
- PF-124 Pale purple grey highly altered lapilli tuff.
Alteration product: sericite.
- PF-131 Rhyolite lapilli tuff.
Alteration product: sericite.
- PF-186 Brecciated vitric tuff in contact with andesite crystal tuff.
Alteration products: sericite, carbonate and chlorite.

- PF-188 Dark grey andesite lapilli tuff.
Alteration products: carbonate chlorite and epidote.
- PF-205 Diorite.
Alteration products: chlorite, epidote and carbonate.
The diorite is locally brecciated and probably represents
a dyke rock.

S. G. McAllister

S. G. McAllister

January, 1982

GEOCHEMICAL PREPARATION
and
ANALYTICAL PROCEDURES

1. Geochemical samples (soils, silts) are dried at 80°C for a period of 12 to 24 hours. The dried sample is sieved to -80 mesh fraction through a nylon and stainless steel sieve. Rock geochemical materials are crushed, dried and pulverized to -100 mesh.
2. A 1.00 gram portion of the sample is weighed into a calibrated test tube. The sample is digested using hot 70% HClO₄ and concentrated HNO₃. Digestion time = 2 hours.
3. Sample volume is adjusted to 25 mls. using demineralized water. Sample solutions are homogenized and allowed to settle before being analyzed by atomic absorption procedures.
4. Detection limits using Techtron A.A.5 atomic absorption unit.

| | | |
|------------|---|---------|
| Copper | - | 1 ppm |
| Molybdenum | - | 1 ppm |
| Zinc | - | 1 ppm |
| * Silver | - | 0.2 ppm |
| * Lead | - | 1 ppm |
| * Nickel | - | 1 ppm |
| Chromium | - | 5 ppm |
- * Ag, Pb & Ni are corrected for background absorption.
5. Elements present in concentrations below the detection limits are reported as one half the detection limit, i.e. Ag - 0.1 ppm.

BARIUM:

A 0.20 gm sample is digested with a mixture of HF-HClO₄ - HNO₃ acids to dryness. The baked residue is leached with 25 ml of 10% HCl with NaCl added to reduce ionization effects in the A.A. flame. Analysis is by AAS using a N₂O-C₂H₂ gas mixture.

IRON



CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BARRARD ST.
VANCOUVER, B.C.
V6C 2G8

10,114

CERT. # : AB112472-001-A
INVOICE # : I8112472
DATE : 01-AUG-81
P.O. # : NJNE
M491

ATTN: D. ARSCOTT CC W.A. HOWELL, JMT SERVICES CORP.

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 40N 43+00E | 201 | 50 | 4 | 95 | 700 | -- | -- |
| 40N 43+50E | 201 | 39 | 6 | 118 | 660 | -- | -- |
| 40N 44+00E | 201 | 42 | 5 | 116 | 780 | -- | -- |
| 40N 44+50E | 201 | 41 | 4 | 70 | 720 | -- | -- |
| 40N 45+00E | 201 | 47 | 5 | 78 | 740 | -- | -- |
| 40N 45+50E | 201 | 54 | 2 | 52 | 860 | -- | -- |
| 40N 46+00E | 201 | 46 | 2 | 58 | 800 | -- | -- |
| 40N 46+50E | 201 | 22 | 4 | 60 | 720 | -- | -- |
| 40N 47+00E | 201 | 52 | 5 | 198 | 760 | -- | -- |
| 40N 47+50E | 201 | 40 | 5 | 110 | 700 | -- | -- |
| 40N 48+00E | 201 | 57 | 4 | 78 | 680 | -- | -- |
| 40N 48+50E | 201 | 50 | 4 | 57 | 680 | -- | -- |
| 40N 49+00E | 201 | 29 | 2 | 140 | 780 | -- | -- |
| 40N 49+50E | 201 | 20 | 2 | 76 | 720 | -- | -- |
| 40N 50+00E | 201 | 29 | 3 | 54 | 660 | -- | -- |
| 40N 50+50E | 201 | 35 | 2 | 67 | 680 | -- | -- |
| 40N 51+00E | 201 | 81 | 3 | 30 | 640 | -- | -- |
| 40N 51+50E | 201 | 28 | 2 | 64 | 760 | -- | -- |
| 41N 43+00E | 201 | 46 | 5 | 70 | 660 | -- | -- |
| 41N 43+50E | 201 | 34 | 4 | 108 | 860 | -- | -- |
| 41N 44+00E | 201 | 64 | 5 | 150 | 1360 | -- | -- |
| 41N 44+50E | 201 | 36 | 3 | 50 | 680 | -- | -- |
| 41N 45+00E | 201 | 165 | 5 | 62 | 820 | -- | -- |
| 41N 45+50E | 201 | 50 | 4 | 74 | 800 | -- | -- |
| 41N 46+00E | 201 | 40 | 5 | 130 | 860 | -- | -- |
| 41N 46+50E | 201 | 40 | 2 | 138 | 840 | -- | -- |
| 41N 47+00E | 201 | 48 | 3 | 78 | 760 | -- | -- |
| 41N 47+50E | 201 | 85 | 6 | 288 | 860 | -- | -- |
| 41N 48+00E | 201 | 27 | 5 | 118 | 840 | -- | -- |
| 41N 48+50E | 201 | 25 | 2 | 95 | 800 | -- | -- |
| 41N 49+00E | 201 | 42 | 4 | 100 | 760 | -- | -- |
| 41N 49+50E | 201 | 57 | 3 | 90 | 820 | -- | -- |
| 41N 50+00E | 201 | 52 | 1 | 53 | 740 | -- | -- |
| 41N 50+50E | 201 | 25 | 2 | 98 | 740 | -- | -- |
| 41N 51+00E | 201 | 51 | 8 | 90 | 780 | -- | -- |
| 42N 43+00E | 201 | 31 | 2 | 72 | 820 | -- | -- |
| 42N 43+50E | 201 | 93 | 5 | 210 | 1580 | -- | -- |
| 42N 44+00E | 201 | 52 | 2 | 77 | 720 | -- | -- |
| 42N 44+50E | 201 | 53 | 4 | 100 | 820 | -- | -- |
| 42N 45+00E | 201 | 40 | 1 | 85 | 800 | -- | -- |

Certified by *Hart Bickler*





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• ANALYTICAL CHEMISTS

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• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2S8

CERT. # : AB112472-002-A
 INVOICE # : 18112472
 DATE : 01-AUG-81
 P.O. # : NJNE
 4491

ATTN: D. ARSCOTT CC W.A. HOWELL, JMT SERVICES CORP.

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 42N 45+50E | 201 | 50 | 8 | 121 | 960 | -- | -- |
| 42N 46+00E | 201 | 38 | 5 | 188 | 1000 | -- | -- |
| 42N 46+50E | 201 | 25 | 3 | 46 | 700 | -- | -- |
| 42N 47+00E | 201 | 55 | 4 | 86 | 920 | -- | -- |
| 42N 47+50E | 201 | 18 | 5 | 345 | 1000 | -- | -- |
| 42N 48+00E | 201 | 35 | 4 | 76 | 680 | -- | -- |
| 42N 48+50E | 201 | 45 | 5 | 120 | 620 | -- | -- |
| 42N 49+00E | 201 | 36 | 5 | 76 | 620 | -- | -- |
| 42N 49+50E | 201 | 61 | 4 | 75 | 820 | -- | -- |
| 42N 50+00E | 201 | 36 | 4 | 76 | 940 | -- | -- |
| 43N 43+00E | 201 | 22 | 3 | 58 | 700 | -- | -- |
| 43N 43+50E | 201 | 22 | 6 | 150 | 780 | -- | -- |
| 43N 44+00E | 201 | 30 | 5 | 200 | 740 | -- | -- |
| 43N 44+50E | 201 | 12 | 4 | 40 | 760 | -- | -- |
| 43N 45+00E | 201 | 22 | 5 | 95 | 820 | -- | -- |
| 43N 45+50E | 201 | 58 | 12 | 158 | 1200 | -- | -- |
| 43N 46+00E | 201 | 56 | 4 | 100 | 920 | -- | -- |
| 43N 46+50E | 201 | 30 | 3 | 110 | 700 | -- | -- |
| 43N 47+00E | 201 | 32 | 3 | 102 | 820 | -- | -- |
| 43N 47+50E | 201 | 28 | 4 | 175 | 1140 | -- | -- |
| 43N 48+00E | 201 | 44 | 6 | 92 | 860 | -- | -- |
| 43N 48+50E | 201 | 37 | 2 | 122 | 840 | -- | -- |
| 43N 49+00E | 201 | 40 | 3 | 88 | 820 | -- | -- |
| 43N 49+50E | 201 | 70 | 5 | 105 | 960 | -- | -- |
| 43N 50+00E | 201 | 45 | 10 | 104 | 940 | -- | -- |
| 44N 43+00E | 201 | 51 | 3 | 70 | 820 | -- | -- |
| 44N 43+50E | 201 | 29 | 3 | 75 | 760 | -- | -- |
| 44N 44+00E | 201 | 26 | 2 | 100 | 740 | -- | -- |
| 44N 44+50E | 201 | 41 | 2 | 100 | 720 | -- | -- |
| 44N 45+00E | 201 | 29 | 4 | 90 | 820 | -- | -- |
| 44N 45+50E | 201 | 46 | 10 | 160 | 860 | -- | -- |
| 44N 46+00E | 201 | 26 | 2 | 95 | 800 | -- | -- |
| 44N 46+50E | 201 | 25 | 5 | 85 | 780 | -- | -- |
| 44N 47+00E | 201 | 49 | 5 | 108 | 820 | -- | -- |
| 44N 47+50E | 201 | 52 | 4 | 83 | 840 | -- | -- |
| 44N 48+00E | 201 | 70 | 5 | 158 | 1060 | -- | -- |
| 44N 48+50E | 201 | 275 | 32 | 205 | 1520 | -- | -- |
| 44N 49+00E | 201 | 30 | 6 | 135 | 900 | -- | -- |
| 44N 49+50E | 201 | 36 | 2 | 110 | 780 | -- | -- |
| 44N 50+00E | 201 | 46 | 3 | 65 | 840 | -- | -- |

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| CERTIFICATE OF ANALYSIS |
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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V5C 2G8

CERT. # : AB112472-003-A
 INVOICE # : 18112472
 DATE : 01-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ARSCOTT CC W.A. HOWELL, JMT SERVICES CORP.

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 44N 50+50E | 201 | 21 | 5 | 55 | 780 | -- | -- |
| 44N 51+00E | 201 | 33 | 5 | 55 | 820 | -- | -- |
| 44N 51+50E | 201 | 18 | 5 | 80 | 780 | -- | -- |
| 44N 52+00E | 201 | 25 | 3 | 85 | 740 | -- | -- |
| 44N 52+50E | 201 | 16 | 5 | 108 | 600 | -- | -- |
| 44N 53+00E | 201 | 19 | 5 | 73 | 560 | -- | -- |
| 44N 53+50E | 201 | 35 | 8 | 78 | 500 | -- | -- |
| 44N 54+00E | 201 | 26 | 5 | 108 | 560 | -- | -- |
| 44N 54+50E | 201 | 20 | 4 | 56 | 760 | -- | -- |
| 44N 55E | 201 | 15 | 5 | 78 | 740 | -- | -- |
| 44N 55+00E | 201 | 11 | 5 | 82 | 620 | -- | -- |
| 44N 55+50E | 201 | 25 | 5 | 55 | 560 | -- | -- |
| 44N 56+00E | 201 | 27 | 4 | 105 | 620 | -- | -- |
| 44N 56+50E | 201 | 36 | 5 | 80 | 640 | -- | -- |
| 44N 57+00E | 201 | 15 | 5 | 180 | 480 | -- | -- |
| 44N 57+50E | 201 | 18 | 4 | 75 | 540 | -- | -- |
| 44N 58+00E | 201 | 26 | 5 | 90 | 600 | -- | -- |
| 44N 58+50E | 201 | 45 | 4 | 130 | 380 | -- | -- |
| 44N 59+00E | 201 | 24 | 4 | 85 | 480 | -- | -- |
| 44N 59+50E | 201 | 20 | 10 | 103 | 580 | -- | -- |
| 44N 50+00E | 201 | 31 | 7 | 73 | 520 | -- | -- |
| 44N 50+50E | 201 | 24 | 5 | 100 | 600 | -- | -- |
| 44N 61+00E | 201 | 43 | 5 | 84 | 640 | -- | -- |
| 44N 61+50E | 201 | 45 | 4 | 180 | 460 | -- | -- |
| 44N 62+00E | 201 | 50 | 2 | 50 | 700 | -- | -- |
| 44N 62+50E | 201 | 34 | 2 | 51 | 640 | -- | -- |
| 44N 63+00E | 201 | 18 | 2 | 34 | 820 | -- | -- |
| 45N 43+00E | 201 | 37 | 3 | 90 | 560 | -- | -- |
| 45N 43+50E | 201 | 52 | 2 | 58 | 680 | -- | -- |
| 45N 44+00E | 201 | 30 | 2 | 102 | 820 | -- | -- |
| 45N 44+50E | 201 | 41 | 5 | 130 | 660 | -- | -- |
| 45N 45+00E | 201 | 27 | 2 | 90 | 780 | -- | -- |
| 45N 45+50E | 201 | 71 | 5 | 144 | 860 | -- | -- |
| 45N 46+00E | 201 | 29 | 3 | 58 | 1020 | -- | -- |
| 45N 46+50E | 201 | 103 | 4 | 92 | 720 | -- | -- |
| 45N 47+00E | 201 | 31 | 3 | 90 | 860 | -- | -- |
| 45N 47+50E | 201 | 39 | 5 | 115 | 680 | -- | -- |
| 45N 48+00E | 201 | 98 | 5 | 130 | 640 | -- | -- |
| 45N 48+50E | 201 | 23 | 9 | 410 | 1300 | -- | -- |
| 45N 49+00E | 201 | 36 | 10 | 200 | 1400 | -- | -- |

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 TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V5C 2S8

CERT. # : A8112472-004-A
 INVOICE # : 18112472
 DATE : 01-AUG-81
 P.O. # : NCNE
 4491

ATTN: D. ARSCOTT CC W.A. HOWELL, JMT SERVICES CORP.

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 45N 49+50E | 201 | 37 | 10 | 130 | 1180 | -- | -- |
| 45N 50+00E | 201 | 39 | 5 | 210 | 860 | -- | -- |
| 45N 50+50E | 201 | 29 | 2 | 90 | 820 | -- | -- |
| 45N 51+00E | 201 | 26 | 8 | 200 | 650 | -- | -- |
| 45N 51+50E | 201 | 34 | 4 | 150 | 760 | -- | -- |
| 45N 52+00E | 201 | 18 | 5 | 75 | 720 | -- | -- |
| 45N 52+50E | 201 | 17 | 3 | 56 | 760 | -- | -- |
| 45N 53+00E | 201 | 26 | 4 | 80 | 700 | -- | -- |
| 45N 53+50E | 201 | 38 | 2 | 59 | 620 | -- | -- |
| 45N 54+00E | 201 | 17 | 2 | 38 | 620 | -- | -- |
| 45N 54+50E | 201 | 35 | 3 | 80 | 720 | -- | -- |
| 45N 55E | 201 | 18 | 5 | 92 | 600 | -- | -- |
| 45N 55+00E | 201 | 24 | 5 | 90 | 600 | -- | -- |
| 45N 55+50E | 201 | 10 | 4 | 98 | 660 | -- | -- |
| 45N 56+00E | 201 | 33 | 3 | 62 | 580 | -- | -- |
| 45N 56+50E | 201 | 28 | 2 | 45 | 720 | -- | -- |
| 45N 57+00E | 201 | 23 | 2 | 68 | 600 | -- | -- |
| 45N 57+50E | 201 | 20 | 1 | 78 | 700 | -- | -- |
| 45N 58+00E | 201 | 24 | 5 | 70 | 740 | -- | -- |
| 45N 58+50E | 201 | 21 | 3 | 85 | 780 | -- | -- |
| 45N 59+00E | 201 | 17 | 2 | 52 | 660 | -- | -- |
| 45N 59+50E | 201 | 24 | 3 | 78 | 580 | -- | -- |
| 45N 50+00E | 201 | 16 | 6 | 248 | 740 | -- | -- |
| 45N 50+50E | 201 | 17 | 5 | 255 | 820 | -- | -- |
| 45N 51+00E | 201 | 30 | 5 | 100 | 700 | -- | -- |
| 45N 51+50E | 201 | 13 | 5 | 108 | 580 | -- | -- |
| 45N 52+00E | 201 | 18 | 5 | 104 | 800 | -- | -- |
| 45N 52+50E | 201 | 19 | 2 | 75 | 640 | -- | -- |
| 45N 53+00E | 201 | 16 | 2 | 62 | 640 | -- | -- |
| 45N 43+00E | 201 | 20 | 18 | 186 | 520 | -- | -- |
| 45N 43+50E | 201 | 24 | 4 | 92 | 700 | -- | -- |
| 45N 44+00E | 201 | 33 | 4 | 115 | 680 | -- | -- |
| 45N 44+50E | 201 | 37 | 2 | 90 | 760 | -- | -- |
| 45N 45+00E | 201 | 117 | 4 | 370 | 640 | -- | -- |
| 45N 45+50E | 201 | 59 | 4 | 155 | 660 | -- | -- |
| 45N 46+00E | 201 | 99 | 7 | 370 | 1300 | -- | -- |
| 45N 46+50E | 201 | 23 | 3 | 105 | 740 | -- | -- |
| 45N 47+00E | 201 | 37 | 5 | 105 | 560 | -- | -- |
| 45N 47+50E | 201 | 19 | 5 | 135 | 1060 | -- | -- |
| 45N 48+00E | 201 | 17 | 2 | 76 | 880 | -- | -- |

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 TELEX: 043-52597

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| CERTIFICATE OF ANALYSIS |
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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : AB112472-005-A
 INVOICE # : IB112472
 DATE : 01-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ARSCOTT CC W.A. DONNELL, JMT SERVICES CORP.

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 45N 48+50E | 201 | 8 | 4 | 120 | 640 | -- | -- |
| 45N 49+00E | 201 | 28 | 5 | 240 | 1080 | -- | -- |
| 45N 49+50E | 201 | 50 | 9 | 540 | 1200 | -- | -- |
| 45N 50+00E | 201 | 40 | 24 | 443 | 1080 | -- | -- |
| 45N 50+50E | 201 | 33 | 3 | 116 | 1180 | -- | -- |
| 45N 51+00E | 201 | 29 | 6 | 220 | 820 | -- | -- |
| 45N 51+50E | 201 | 44 | 2 | 92 | 1040 | -- | -- |
| 45N 52+00E | 201 | 23 | 3 | 60 | 660 | -- | -- |
| 45N 52+50E | 201 | 22 | 2 | 100 | 840 | -- | -- |
| 45N 53+00E | 201 | 27 | 3 | 130 | 720 | -- | -- |
| 45N 53+50E | 201 | 28 | 1 | 58 | 780 | -- | -- |
| 45N 54+00E | 201 | 21 | 2 | 75 | 700 | -- | -- |
| 45N 54+50E | 201 | 26 | 2 | 61 | 720 | -- | -- |
| 45N 55A | 201 | 26 | 3 | 85 | 740 | -- | -- |
| 45N 55B | 201 | 23 | 1 | 75 | 740 | -- | -- |
| 45N 55+50E | 201 | 23 | 2 | 90 | 820 | -- | -- |
| 45N 56+00E | 201 | 18 | 1 | 66 | 700 | -- | -- |
| 45N 56+50E | 201 | 27 | 1 | 82 | 620 | -- | -- |
| 45N 57+00E | 201 | 20 | 3 | 82 | 660 | -- | -- |
| 45N 57+50E | 201 | 23 | 4 | 78 | 640 | -- | -- |
| 45N 58+00E | 201 | 20 | 2 | 105 | 540 | -- | -- |
| 45N 58+50E | 201 | 21 | 2 | 82 | 720 | -- | -- |
| 45N 59+00E | 201 | 22 | 2 | 88 | 660 | -- | -- |
| 45N 59+50E | 201 | 30 | 3 | 118 | 540 | -- | -- |
| 45N 60+00E | 201 | 24 | 4 | 148 | 620 | -- | -- |
| 45N 60+50E | 201 | 21 | 5 | 104 | 680 | -- | -- |
| 45N 61+00E | 201 | 19 | 2 | 95 | 700 | -- | -- |
| 45N 61+50E | 201 | 16 | 1 | 82 | 700 | -- | -- |
| 45N 62+00E | 201 | 18 | 1 | 62 | 700 | -- | -- |
| 45N 62+50E | 201 | 28 | 1 | 55 | 540 | -- | -- |
| 45N 63+00E | 201 | 18 | 2 | 80 | 680 | -- | -- |
| 47N 43+00E | 201 | 28 | 2 | 56 | 600 | -- | -- |
| 47N 43+50E | 201 | 29 | 2 | 98 | 680 | -- | -- |
| 47N 44+00E | 201 | 31 | 2 | 74 | 660 | -- | -- |
| 47N 44+50E | 201 | 13 | 2 | 140 | 540 | -- | -- |
| 47N 45+00E | 201 | 94 | 6 | 590 | 700 | -- | -- |
| 47N 45+50E | 201 | 27 | 2 | 130 | 700 | -- | -- |
| 47N 46+00E | 201 | 30 | 3 | 150 | 720 | -- | -- |
| 47N 46+50E | 201 | 126 | 5 | 140 | 640 | -- | -- |
| 47N 47+00E | 201 | 14 | 10 | 260 | 1300 | -- | -- |

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| CERTIFICATE OF ANALYSIS |
|-------------------------|

TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2S8

CERT. # : A8112472-006-A
 INVOICE # : I8112472.
 DATE : 01-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ARSCOTT CC W.A. HOWELL, JMT SERVICES CORP.

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | 3a ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 47N 47+50E | 201 | 81 | 7 | 123 | 500 | -- | -- |
| 47N 48+00E | 201 | 22 | 2 | 65 | 680 | -- | -- |
| 47N 48+50E | 201 | 19 | 10 | 133 | 1620 | -- | -- |
| 47N 49+00E | 201 | 22 | 5 | 135 | 1040 | -- | -- |
| 47N 49+50E | 201 | 24 | 20 | 350 | 1260 | -- | -- |
| 47N 50+00E | 201 | 35 | 32 | 535 | 1520 | -- | -- |
| 47N 50+50E | 201 | 82 | 8 | 190 | 1100 | -- | -- |
| 47N 51+00E | 201 | 40 | 4 | 120 | 820 | -- | -- |
| 47N 51+50E | 201 | 35 | 2 | 80 | 700 | -- | -- |
| 47N 52+00E | 201 | 32 | 1 | 52 | 700 | -- | -- |
| 47N 52+50E | 201 | 31 | 2 | 60 | 740 | -- | -- |
| 47N 53+00E | 201 | 29 | 1 | 73 | 760 | -- | -- |
| 47N 53+50E | 201 | 24 | 2 | 80 | 740 | -- | -- |
| 47N 54+00E | 201 | 23 | 1 | 70 | 660 | -- | -- |
| 47N 54+50E | 201 | 20 | 1 | 105 | 620 | -- | -- |
| 47N 55A | 201 | 35 | 1 | 42 | 540 | -- | -- |
| 47N 55B | 201 | 42 | 1 | 58 | 860 | -- | -- |
| 47N 55C | 201 | 27 | 1 | 56 | 680 | -- | -- |
| 47N 55+50 | 201 | 35 | 2 | 95 | 800 | -- | -- |
| 47N 56+00 | 201 | 33 | 1 | 58 | 740 | -- | -- |
| 47N 56+50 | 201 | 32 | 1 | 70 | 600 | -- | -- |
| 47N 57+00 | 201 | 49 | 1 | 49 | 840 | -- | -- |
| 47N 57+50 | 201 | 27 | 1 | 80 | 720 | -- | -- |
| 47N 58+00 | 201 | 24 | 1 | 45 | 620 | -- | -- |
| 47N 58+50 | 201 | 23 | 1 | 45 | 700 | -- | -- |
| 47N 59+00 | 201 | 22 | 1 | 50 | 620 | -- | -- |
| 47N 59+50 | 201 | 17 | 1 | 30 | 600 | -- | -- |
| 47N 60+00 | 201 | 34 | 1 | 50 | 540 | -- | -- |
| 47N 60+50 | 201 | 26 | 1 | 45 | 680 | -- | -- |
| 47N 61+00 | 201 | 61 | 2 | 65 | 580 | -- | -- |
| 47N 61+50 | 201 | 21 | 1 | 55 | 640 | -- | -- |
| 47N 62+00 | 201 | 20 | 1 | 50 | 620 | -- | -- |
| 47N 62+50 | 201 | 17 | 1 | 58 | 700 | -- | -- |
| 47N 63+00 | 201 | 25 | 1 | 55 | 720 | -- | -- |
| 48N 43+00 | 201 | 40 | 3 | 145 | 540 | -- | -- |
| 48N 43+50 | 201 | 31 | 2 | 107 | 620 | -- | -- |
| 48N 44+00 | 201 | 34 | 3 | 142 | 650 | -- | -- |
| 48N 44+50 | 201 | 23 | 1 | 72 | 720 | -- | -- |
| 48N 45+00 | 201 | 26 | 2 | 80 | 680 | -- | -- |
| 48N 45+50 | 201 | 24 | 2 | 165 | 700 | -- | -- |

Certified by *Hart Bickler*



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IRON



CHEMEX LABS LTD.

212 BROOKSBANK AVE
NORTH VANCOUVER, B.C.
CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX: 043-52597

• ANALYTICAL CHEMISTS • GEOCHEMISTS • REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

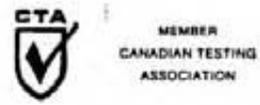
CERT. # : A8112473-001-A
INVOICE # :
DATE : 06-AUG-81
P.O. # : NONE
M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 48N 46+00E | 201 | 26 | 4 | 190 | 640 | -- | -- |
| 48N 46+50E | 201 | 33 | 2 | 115 | 620 | -- | -- |
| 48N 47+00E | 201 | 39 | 3 | 90 | 880 | -- | -- |
| 48N 47+50E | 201 | 32 | 2 | 160 | 780 | -- | -- |
| 48N 48+00E | 201 | 25 | 3 | 85 | 640 | -- | -- |
| 48N 48+50E | 201 | 26 | 4 | 98 | 620 | -- | -- |
| 48N 49+00E | 201 | 28 | 5 | 116 | 960 | -- | -- |
| 48N 49+50E | 201 | 25 | 14 | 300 | 820 | -- | -- |
| 48N 50+00E | 201 | 30 | 160 | 378 | 2000 | -- | -- |
| 48N 50+50E | 201 | 37 | 48 | 204 | 1040 | -- | -- |
| 48N 51+50E | 201 | 18 | 2 | 65 | 580 | -- | -- |
| 48N 52+00E | 201 | 26 | 2 | 82 | 760 | -- | -- |
| 48N 52+50E | 201 | 24 | 2 | 72 | 700 | -- | -- |
| 48N 53+00E | 201 | 20 | 1 | 83 | 620 | -- | -- |
| 48N 53+50E | 201 | 29 | 4 | 106 | 760 | -- | -- |
| 48N 54+00E | 201 | 27 | 2 | 55 | 720 | -- | -- |
| 48N 54+50E | 201 | 26 | 1 | 42 | 660 | -- | -- |
| 48N 55+00E | 201 | 24 | 2 | 58 | 660 | -- | -- |
| 48N 55+50E | 201 | 18 | 1 | 96 | 580 | -- | -- |
| 48N 56+00E | 201 | 23 | 3 | 85 | 660 | -- | -- |
| 48N 56+50E | 201 | 26 | 1 | 51 | 660 | -- | -- |
| 48N 57+00E | 201 | 24 | 1 | 47 | 600 | -- | -- |
| 48N 57+50E | 201 | 24 | 1 | 46 | 840 | -- | -- |
| 48N 58+00E | 201 | 27 | 1 | 46 | 720 | -- | -- |
| 48N 58+50E | 201 | 17 | 1 | 42 | 720 | -- | -- |
| 48N 59+00E | 201 | 16 | 130 | 57 | 600 | -- | -- |
| 48N 59+50E | 201 | 18 | 2 | 72 | 620 | -- | -- |
| 48N 60+00E | 201 | 18 | 1 | 59 | 640 | -- | -- |
| 48N 60+50E | 201 | 17 | 1 | 48 | 640 | -- | -- |
| 48N 61+00E | 201 | 29 | 1 | 48 | 660 | -- | -- |
| 48N 61+50E | 201 | 22 | 1 | 60 | 660 | -- | -- |
| 48N 62+00E | 201 | 27 | 1 | 40 | 700 | -- | -- |
| 48N 62+50E | 201 | 25 | 2 | 82 | 700 | -- | -- |
| 48N 63+00E | 201 | 18 | 1 | 76 | 620 | -- | -- |
| 49N 43+00E | 201 | 29 | 1 | 70 | 660 | -- | -- |
| 49N 44+50E | 201 | 29 | 3 | 75 | 720 | -- | -- |
| 49N 45+00E | 201 | 46 | 4 | 108 | 640 | -- | -- |
| 49N 45+50E | 201 | 39 | 4 | 90 | 700 | -- | -- |
| 49N 46+00E | 201 | 24 | 2 | 115 | 700 | -- | -- |
| 49N 46+50E | 201 | 32 | 2 | 195 | 660 | -- | -- |

Certified by *Hart Bichler*

llm





CHEMEX LABS LTD.

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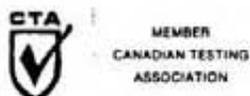
TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8112473-002-A
INVOICE # :
DATE : 06-AUG-81
P.O. # : NONE
M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 49N 47+00E | 201 | 37 | 2 | 76 | 680 | -- | -- |
| 49N 47+50E | 201 | 41 | 3 | 106 | 700 | -- | -- |
| 49N 48+00E | 201 | 40 | 11 | 152 | 760 | -- | -- |
| 49N 48+50E | 201 | 46 | 44 | 410 | 2000 | -- | -- |
| 49N 49+00E | 201 | 27 | 6 | 95 | 640 | -- | -- |
| 49N 49+50E | 201 | 44 | 13 | 550 | 700 | -- | -- |
| 49N 50+00E | 201 | 34 | 3 | 280 | 460 | -- | -- |
| 49N 50+50E | 201 | 33 | 16 | 655 | 1620 | -- | -- |
| 49N 51+00E | 201 | 43 | 4 | 92 | 980 | -- | -- |
| 49N 55+00E | 201 | 27 | 2 | 45 | 620 | -- | -- |
| 49N 55+50E | 201 | 21 | 2 | 80 | 680 | -- | -- |
| 49N 56+00E | 201 | 26 | 1 | 65 | 600 | -- | -- |
| 49N 56+50E | 201 | 51 | 3 | 55 | 520 | -- | -- |
| 49N 57+00E | 201 | 37 | 2 | 42 | 640 | -- | -- |
| 49N 57+50E | 201 | 27 | 1 | 52 | 600 | -- | -- |
| 49N 58+00E | 201 | 17 | 1 | 34 | 560 | -- | -- |
| 49N 58+50E | 201 | 17 | 2 | 40 | 520 | -- | -- |
| 49N 59+00E | 201 | 16 | 2 | 57 | 580 | -- | -- |
| 49N 59+50E | 201 | 17 | 1 | 48 | 620 | -- | -- |
| 49N 60+00E | 201 | 34 | 1 | 75 | 620 | -- | -- |
| 49N 60+50E | 201 | 18 | 1 | 34 | 600 | -- | -- |
| 49N 61+00E | 201 | 14 | 1 | 58 | 520 | -- | -- |
| 49N 61+50E | 201 | 13 | 1 | 62 | 560 | -- | -- |
| 49N 62+00E | 201 | 28 | 2 | 70 | 640 | -- | -- |
| 49N 62+50E | 201 | 35 | 2 | 45 | 620 | -- | -- |
| 49N 63+00E | 201 | 21 | 1 | 58 | 540 | -- | -- |
| 50N 43+00E | 201 | 35 | 1 | 48 | 640 | -- | -- |
| 50N 43+50E | 201 | 26 | 2 | 73 | 580 | -- | -- |
| 50N 44+00E | 201 | 33 | 2 | 94 | 500 | -- | -- |
| 50N 44+50E | 201 | 31 | 3 | 70 | 500 | -- | -- |
| 50N 45+00E | 201 | 42 | 3 | 72 | 640 | -- | -- |
| 50N 45+50E | 201 | 39 | 3 | 140 | 600 | -- | -- |
| 50N 46+00E | 201 | 46 | 4 | 210 | 540 | -- | -- |
| 50N 46+50E | 201 | 44 | 3 | 95 | 560 | -- | -- |
| 50N 47+00E | 201 | 39 | 6 | 270 | 760 | -- | -- |
| 50N 47+50E | 201 | 34 | 3 | 73 | 540 | -- | -- |
| 50N 48+00E | 201 | 41 | 2 | 74 | 560 | -- | -- |
| 50N 48+50E | 201 | 43 | 2 | 102 | 560 | -- | -- |
| 50N 49+00E | 201 | 32 | 4 | 120 | 700 | -- | -- |
| 50N 49+50E | 201 | 28 | 21 | 180 | 720 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8112473-003-A
INVOICE # :
DATE : 06-AUG-81
P.O. # : NONE
M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 50N 50+00E | 201 | 30 | 5 | 130 | 640 | -- | -- |
| 51N 43+00E | 201 | 17 | 2 | 88 | 580 | -- | -- |
| 51N 43+50E | 201 | 24 | 2 | 55 | 640 | -- | -- |
| 51N 44+00E | 201 | 23 | 2 | 55 | 620 | -- | -- |
| 51N 44+50E | 201 | 27 | 2 | 70 | 600 | -- | -- |
| 51N 45+00E | 201 | 34 | 3 | 90 | 580 | -- | -- |
| 51N 45+50E | 201 | 25 | 2 | 72 | 600 | -- | -- |
| 51N 46+00E | 201 | 25 | 4 | 168 | 460 | -- | -- |
| 51N 46+50E | 201 | 28 | 6 | 114 | 520 | -- | -- |
| 51N 47+00E | 201 | 35 | 3 | 80 | 700 | -- | -- |
| 51N 47+50E | 201 | 31 | 3 | 82 | 560 | -- | -- |
| 51N 48+00E | 201 | 31 | 4 | 148 | 520 | -- | -- |
| 51N 48+50E | 201 | 36 | 8 | 390 | 700 | -- | -- |
| 51N 49+00E | 201 | 25 | 6 | 405 | 880 | -- | -- |
| 51N 49+50E | 201 | 33 | 6 | 218 | 820 | -- | -- |
| 51N 50+00E | 201 | 38 | 42 | 830 | 1940 | -- | -- |
| 52N 43+00E | 201 | 28 | 4 | 72 | 800 | -- | -- |
| 52N 43+50E | 201 | 18 | 1 | 58 | 560 | -- | -- |
| 52N 44+00E | 201 | 30 | 2 | 65 | 680 | -- | -- |
| 52N 44+50E | 201 | 64 | 6 | 172 | 620 | -- | -- |
| 52N 45+00E | 201 | 21 | 4 | 145 | 600 | -- | -- |
| 52N 45+50E | 201 | 50 | 4 | 102 | 580 | -- | -- |
| 52N 46+00E | 201 | 33 | 2 | 72 | 700 | -- | -- |
| 52N 46+50E | 201 | 23 | 1 | 80 | 620 | -- | -- |
| 52N 47+00E | 201 | 32 | 1 | 54 | 700 | -- | -- |
| 52N 47+50E | 201 | 41 | 3 | 114 | 900 | -- | -- |
| 52N 48+00E | 201 | 34 | 2 | 110 | 780 | -- | -- |
| 52N 48+50E | 201 | 29 | 5 | 248 | 920 | -- | -- |
| 52N 49+00E | 201 | 40 | 3 | 148 | 820 | -- | -- |
| 52N 49+50E | 201 | 20 | 8 | 235 | 820 | -- | -- |
| 52N 50+00E | 201 | 34 | 16 | 315 | 1460 | -- | -- |
| 52N 50+50E | 201 | 26 | 6 | 430 | 920 | -- | -- |
| 52N 51+00E | 201 | 25 | 1 | 90 | 680 | -- | -- |
| 52N 51+50E | 201 | 17 | 2 | 110 | 720 | -- | -- |
| 52N 52+00E | 201 | 41 | 5 | 115 | 500 | -- | -- |
| 52N 52+50E | 201 | 20 | 5 | 185 | 880 | -- | -- |
| 52N 53+00E | 201 | 31 | 2 | 105 | 800 | -- | -- |
| 52N 53+50E | 201 | 27 | 1 | 90 | 780 | -- | -- |
| 52N 54+00E | 201 | 24 | 8 | 115 | 920 | -- | -- |
| 52N 54+50E | 201 | 29 | 11 | 135 | 2000 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112473-004-A
 INVOICE # :
 DATE : 06-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 53N 43+50E | 201 | 26 | 4 | 80 | 660 | -- | -- |
| 53N 44+00E | 201 | 31 | 2 | 74 | 640 | -- | -- |
| 53N 44+50E | 201 | 17 | 1 | 78 | 700 | -- | -- |
| 53N 45+00E | 201 | 27 | 3 | 98 | 740 | -- | -- |
| 53N 45+50E | 201 | 24 | 3 | 180 | 720 | -- | -- |
| 53N 46+00E | 201 | 35 | 1 | 108 | 640 | -- | -- |
| 53N 46+50E | 201 | 33 | 1 | 135 | 860 | -- | -- |
| 53N 47+00E | 201 | 44 | 2 | 78 | 640 | -- | -- |
| 53N 47+50E | 201 | 23 | 1 | 230 | 620 | -- | -- |
| 53N 48+00E | 201 | 18 | 4 | 100 | 900 | -- | -- |
| 53N 48+50E | 201 | 62 | 4 | 175 | 720 | -- | -- |
| 53N 49+00E | 201 | 18 | 2 | 200 | 760 | -- | -- |
| 53N 49+50E | 201 | 25 | 5 | 255 | 700 | -- | -- |
| 53N 50+00E | 201 | 33 | 7 | 265 | 760 | -- | -- |
| 53N 50+50E | 201 | 13 | 2 | 65 | 920 | -- | -- |
| 53N 51+00E | 201 | 30 | 18 | 170 | 1140 | -- | -- |
| 53N 51+50E | 201 | 100 | 6 | 45 | 260 | -- | -- |
| 53N 52+00E | 201 | 38 | 3 | 110 | 840 | -- | -- |
| 53N 52+50E | 201 | 22 | 4 | 160 | 760 | -- | -- |
| 53N 53+00E | 201 | 41 | 5 | 170 | 980 | -- | -- |
| 53N 53+50E | 201 | 19 | 3 | 160 | 780 | -- | -- |
| 53N 54+00E | 201 | 30 | 4 | 105 | 1160 | -- | -- |
| 53N 54+50E | 201 | 41 | 11 | 165 | 1640 | -- | -- |
| 54N 43+00E | 201 | 37 | 4 | 78 | 800 | -- | -- |
| 54N 43+50E | 201 | 35 | 5 | 88 | 660 | -- | -- |
| 54N 44+00E | 201 | 22 | 4 | 95 | 580 | -- | -- |
| 54N 44+50E | 201 | 22 | 11 | 166 | 640 | -- | -- |
| 54N 45+00E | 201 | 25 | 4 | 70 | 620 | -- | -- |
| 54N 45+50E | 201 | 44 | 6 | 70 | 640 | -- | -- |
| 54N 46+00E | 201 | 40 | 3 | 98 | 800 | -- | -- |
| 54N 46+50E | 201 | 22 | 4 | 225 | 660 | -- | -- |
| 54N 47+00E | 201 | 41 | 5 | 130 | 640 | -- | -- |
| 54N 47+50E | 201 | 36 | 11 | 125 | 640 | -- | -- |
| 54N 48+00E | 201 | 25 | 5 | 225 | 700 | -- | -- |
| 54N 48+50E | 201 | 27 | 6 | 150 | 660 | -- | -- |
| 54N 49+00E | 201 | 23 | 3 | 145 | 820 | -- | -- |
| 54N 49+50E | 201 | 13 | 6 | 190 | 800 | -- | -- |
| 54N 50+00E | 201 | 32 | 9 | 98 | 1000 | -- | -- |
| 54N 50+50E | 201 | 31 | 8 | 355 | 620 | -- | -- |
| 54N 51+00E | 201 | 37 | 5 | 155 | 680 | -- | -- |



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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112473-005-A
 INVOICE # :
 DATE : 06-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 54N 51+50E | 201 | 70 | 7 | 180 | 860 | -- | -- |
| 54N 52+00E | 201 | 8 | 6 | 100 | 300 | -- | -- |
| 54N 52+50E | 201 | 37 | 6 | 165 | 600 | -- | -- |
| 54N 53+00E | 201 | 36 | 6 | 218 | 880 | -- | -- |
| 54N 53+50E | 201 | 23 | 7 | 165 | 960 | -- | -- |
| 54N 54+00E | 201 | 38 | 20 | 500 | 1920 | -- | -- |
| 54N 54+50E | 201 | 37 | 28 | 300 | 1740 | -- | -- |
| 55N 43+00E | 201 | 83 | 5 | 110 | 580 | -- | -- |
| 55N 43+50E | 201 | 27 | 4 | 88 | 700 | -- | -- |
| 55N 44+00E | 201 | 34 | 5 | 97 | 660 | -- | -- |
| 55N 44+50E | 201 | 48 | 29 | 65 | 660 | -- | -- |
| 55N 45+00E | 201 | 34 | 5 | 110 | 640 | -- | -- |
| 55N 45+50E | 201 | 65 | 3 | 126 | 600 | -- | -- |
| 55N 46+00E | 201 | 31 | 2 | 85 | 680 | -- | -- |
| 55N 46+50E | 201 | 18 | 4 | 90 | 520 | -- | -- |
| 55N 47+00E | 201 | 41 | 3 | 95 | 660 | -- | -- |
| 55N 47+50E | 201 | 25 | 4 | 90 | 660 | -- | -- |
| 55N 48+00E | 201 | 40 | 3 | 76 | 680 | -- | -- |
| 55N 48+50E | 201 | 33 | 4 | 82 | 620 | -- | -- |
| 55N 49+00E | 201 | 23 | 2 | 70 | 640 | -- | -- |
| 55N 49+50E | 201 | 29 | 4 | 122 | 660 | -- | -- |
| 55N 50+00E | 201 | 27 | 3 | 120 | 800 | -- | -- |
| 55N 50+50E | 201 | 66 | 2 | 93 | 760 | -- | -- |
| 55N 51+00E | 201 | 42 | 1 | 105 | 680 | -- | -- |
| 55N 51+50E | 201 | 33 | 4 | 195 | 900 | -- | -- |
| 55N 52+00E | 201 | 27 | 2 | 195 | 820 | -- | -- |
| 55N 52+50E | 201 | 27 | 3 | 425 | 800 | -- | -- |
| 55N 53+00E | 201 | 53 | 86 | 1600 | 1540 | -- | -- |
| 55N 53+50E | 201 | 51 | 10 | 640 | 1420 | -- | -- |
| 55N 54+00E | 201 | 20 | 1 | 110 | 820 | -- | -- |
| 55N 54+50E | 201 | 19 | 1 | 70 | 760 | -- | -- |
| 55N 55+00E | 201 | 22 | 1 | 64 | 640 | -- | -- |
| 56N 43+00E | 201 | 51 | 3 | 70 | 700 | -- | -- |
| 56N 43+50E | 201 | 47 | 2 | 78 | 760 | -- | -- |
| 56N 44+00E | 201 | 34 | 6 | 270 | 560 | -- | -- |
| 56N 44+50E | 201 | 37 | 1 | 95 | 660 | -- | -- |
| 56N 45+00E | 201 | 22 | 3 | 74 | 620 | -- | -- |
| 56N 45+50E | 201 | 25 | 2 | 85 | 680 | -- | -- |
| 56N 46+00E | 203 | 19 | 10 | 138 | 700 | -- | -- |
| 56N 46+50E | 201 | 25 | 3 | 135 | 640 | -- | -- |

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BARRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8112473-001-A
INVOICE # : I8112473
DATE : 09-AUG-81
P.O. # : NONE
M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 48V 46+00E | 201 | 26 | 4 | 190 | 640 | -- | -- |
| 48N 46+50E | 201 | 33 | 2 | 115 | 620 | -- | -- |
| 48N 47+00E | 201 | 39 | 3 | 90 | 880 | -- | -- |
| 48N 47+50E | 201 | 32 | 2 | 160 | 780 | -- | -- |
| 48N 48+00E | 201 | 25 | 3 | 85 | 640 | -- | -- |
| 48N 48+50E | 201 | 26 | 4 | 98 | 620 | -- | -- |
| 48N 49+00E | 201 | 28 | 5 | 116 | 960 | -- | -- |
| 48N 49+50E | 201 | 25 | 14 | 300 | 820 | -- | -- |
| 48N 50+00E | 201 | 30 | 160 | 378 | 2000 | -- | -- |
| 48N 50+50E | 201 | 37 | 48 | 204 | 1040 | -- | -- |
| 48N 51+50E | 201 | 18 | 2 | 65 | 580 | -- | -- |
| 48N 52+00E | 201 | 26 | 2 | 82 | 760 | -- | -- |
| 48N 52+50E | 201 | 24 | 2 | 72 | 700 | -- | -- |
| 48N 53+00E | 201 | 20 | 1 | 83 | 620 | -- | -- |
| 48N 53+50E | 201 | 29 | 4 | 106 | 760 | -- | -- |
| 48N 54+00E | 201 | 27 | 2 | 55 | 720 | -- | -- |
| 48N 54+50E | 201 | 26 | 1 | 42 | 660 | -- | -- |
| 48N 55+00E | 201 | 24 | 2 | 58 | 660 | -- | -- |
| 48N 55+50E | 201 | 18 | 1 | 96 | 580 | -- | -- |
| 48N 56+00E | 201 | 23 | 3 | 85 | 660 | -- | -- |
| 48N 56+50E | 201 | 26 | 1 | 51 | 660 | -- | -- |
| 48N 57+00E | 201 | 24 | 1 | 47 | 600 | -- | -- |
| 48N 57+50E | 201 | 24 | 1 | 46 | 840 | -- | -- |
| 48N 58+00E | 201 | 27 | 1 | 46 | 720 | -- | -- |
| 48N 58+50E | 201 | 17 | 1 | 42 | 720 | -- | -- |
| 48N 59+00E | 201 | 16 | 130 | 57 | 600 | -- | -- |
| 48N 59+50E | 201 | 18 | 2 | 72 | 620 | -- | -- |
| 48N 60+00E | 201 | 18 | 1 | 59 | 640 | -- | -- |
| 48N 60+50E | 201 | 17 | 1 | 48 | 640 | -- | -- |
| 48N 61+00E | 201 | 29 | 1 | 48 | 660 | -- | -- |
| 48N 61+50E | 201 | 22 | 1 | 60 | 660 | -- | -- |
| 48N 62+00E | 201 | 27 | 1 | 40 | 700 | -- | -- |
| 48N 62+50E | 201 | 25 | 2 | 82 | 700 | -- | -- |
| 48N 63+00E | 201 | 18 | 1 | 76 | 620 | -- | -- |
| 49N 43+00E | 201 | 29 | 1 | 70 | 660 | -- | -- |
| 49N 44+50E | 201 | 29 | 3 | 75 | 720 | -- | -- |
| 49N 45+00E | 201 | 46 | 4 | 108 | 640 | -- | -- |
| 49N 45+50E | 201 | 39 | 4 | 90 | 700 | -- | -- |
| 49N 46+00E | 201 | 24 | 2 | 115 | 700 | -- | -- |
| 49N 46+50E | 201 | 32 | 2 | 195 | 660 | -- | -- |

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| CERTIFICATE OF ANALYSIS |
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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112473-002-A
 INVOICE # : I8112473
 DATE : 09-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 49N 47+00E | 201 | 37 | 2 | 76 | 680 | -- | -- |
| 49N 47+50E | 201 | 41 | 3 | 106 | 700 | -- | -- |
| 49N 48+00E | 201 | 40 | 11 | 152 | 760 | -- | -- |
| 49N 48+50E | 201 | 46 | 44 | 410 | 2000 | -- | -- |
| 49N 49+00E | 201 | 27 | 6 | 95 | 640 | -- | -- |
| 49N 49+50E | 201 | 44 | 13 | 550 | 700 | -- | -- |
| 49N 50+00E | 201 | 34 | 3 | 280 | 460 | -- | -- |
| 49N 50+50E | 201 | 33 | 16 | 655 | 1620 | -- | -- |
| 49N 51+00E | 201 | 43 | 4 | 92 | 980 | -- | -- |
| 49N 55+00E | 201 | 27 | 2 | 45 | 620 | -- | -- |
| 49N 55+50E | 201 | 21 | 2 | 80 | 680 | -- | -- |
| 49N 56+00E | 201 | 26 | 1 | 65 | 600 | -- | -- |
| 49N 56+50E | 201 | 51 | 3 | 55 | 520 | -- | -- |
| 49N 57+00E | 201 | 37 | 2 | 42 | 640 | -- | -- |
| 49N 57+50E | 201 | 27 | 1 | 52 | 600 | -- | -- |
| 49N 58+00E | 201 | 17 | 1 | 34 | 560 | -- | -- |
| 49N 58+50E | 201 | 17 | 2 | 40 | 520 | -- | -- |
| 49N 59+00E | 201 | 16 | 2 | 57 | 580 | -- | -- |
| 49N 59+50E | 201 | 17 | 1 | 48 | 620 | -- | -- |
| 49N 60+00E | 201 | 34 | 1 | 75 | 620 | -- | -- |
| 49N 60+50E | 201 | 18 | 1 | 34 | 600 | -- | -- |
| 49N 61+00E | 201 | 14 | 1 | 58 | 520 | -- | -- |
| 49N 61+50E | 201 | 13 | 1 | 62 | 560 | -- | -- |
| 49N 62+00E | 201 | 28 | 2 | 70 | 640 | -- | -- |
| 49N 62+50E | 201 | 35 | 2 | 45 | 620 | -- | -- |
| 49N 63+00E | 201 | 21 | 1 | 58 | 540 | -- | -- |
| 50N 43+00E | 201 | 35 | 1 | 48 | 640 | -- | -- |
| 50N 43+50E | 201 | 26 | 2 | 73 | 580 | -- | -- |
| 50N 44+00E | 201 | 33 | 2 | 94 | 500 | -- | -- |
| 50N 44+50E | 201 | 31 | 3 | 70 | 500 | -- | -- |
| 50N 45+00E | 201 | 42 | 3 | 72 | 640 | -- | -- |
| 50N 45+50E | 201 | 39 | 3 | 140 | 600 | -- | -- |
| 50N 46+00E | 201 | 46 | 4 | 210 | 540 | -- | -- |
| 50N 46+50E | 201 | 44 | 3 | 95 | 560 | -- | -- |
| 50N 47+00E | 201 | 39 | 6 | 270 | 760 | -- | -- |
| 50N 47+50E | 201 | 34 | 3 | 73 | 540 | -- | -- |
| 50N 48+00E | 201 | 41 | 2 | 74 | 560 | -- | -- |
| 50N 48+50E | 201 | 43 | 2 | 102 | 560 | -- | -- |
| 50N 49+00E | 201 | 32 | 4 | 120 | 700 | -- | -- |
| 50N 49+50E | 201 | 28 | 21 | 180 | 720 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112473-003-A
 INVOICE # : I8112473.
 DATE : 09-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 50N 50+00E | 201 | 30 | 5 | 130 | 640 | -- | -- |
| 51N 43+00E | 201 | 17 | 2 | 88 | 580 | -- | -- |
| 51N 43+50E | 201 | 24 | 2 | 55 | 640 | -- | -- |
| 51N 44+00E | 201 | 23 | 2 | 55 | 620 | -- | -- |
| 51N 44+50E | 201 | 27 | 2 | 70 | 600 | -- | -- |
| 51N 45+00E | 201 | 34 | 3 | 90 | 580 | -- | -- |
| 51N 45+50E | 201 | 25 | 2 | 72 | 600 | -- | -- |
| 51N 46+00E | 201 | 25 | 4 | 168 | 460 | -- | -- |
| 51N 46+50E | 201 | 28 | 6 | 114 | 520 | -- | -- |
| 51N 47+00E | 201 | 35 | 3 | 80 | 700 | -- | -- |
| 51N 47+50E | 201 | 31 | 3 | 82 | 560 | -- | -- |
| 51N 48+00E | 201 | 31 | 4 | 148 | 520 | -- | -- |
| 51N 48+50E | 201 | 36 | 8 | 390 | 700 | -- | -- |
| 51N 49+00E | 201 | 25 | 6 | 405 | 880 | -- | -- |
| 51N 49+50E | 201 | 33 | 6 | 218 | 820 | -- | -- |
| 51N 50+00E | 201 | 38 | 42 | 830 | 1940 | -- | -- |
| 52N 43+00E | 201 | 28 | 4 | 72 | 800 | -- | -- |
| 52N 43+50E | 201 | 18 | 1 | 58 | 560 | -- | -- |
| 52N 44+00E | 201 | 30 | 2 | 65 | 680 | -- | -- |
| 52N 44+50E | 201 | 64 | 6 | 172 | 620 | -- | -- |
| 52N 45+00E | 201 | 21 | 4 | 145 | 600 | -- | -- |
| 52N 45+50E | 201 | 50 | 4 | 102 | 580 | -- | -- |
| 52N 46+00E | 201 | 33 | 2 | 72 | 700 | -- | -- |
| 52N 46+50E | 201 | 23 | 1 | 80 | 620 | -- | -- |
| 52N 47+00E | 201 | 32 | 1 | 54 | 700 | -- | -- |
| 52N 47+50E | 201 | 41 | 3 | 114 | 900 | -- | -- |
| 52N 48+00E | 201 | 34 | 2 | 110 | 780 | -- | -- |
| 52N 48+50E | 201 | 29 | 5 | 248 | 920 | -- | -- |
| 52N 49+00E | 201 | 40 | 3 | 148 | 820 | -- | -- |
| 52N 49+50E | 201 | 20 | 8 | 235 | 820 | -- | -- |
| 52N 50+00E | 201 | 34 | 16 | 315 | 1460 | -- | -- |
| 52N 50+50E | 201 | 26 | 6 | 430 | 920 | -- | -- |
| 52N 51+00E | 201 | 25 | 1 | 90 | 680 | -- | -- |
| 52N 51+50E | 201 | 17 | 2 | 110 | 720 | -- | -- |
| 52N 52+00E | 201 | 41 | 5 | 115 | 500 | -- | -- |
| 52N 52+50E | 201 | 20 | 5 | 135 | 880 | -- | -- |
| 52N 53+00E | 201 | 31 | 2 | 105 | 800 | -- | -- |
| 52N 53+50E | 201 | 27 | 1 | 90 | 780 | -- | -- |
| 52N 54+00E | 201 | 24 | 8 | 115 | 920 | -- | -- |
| 52N 54+50E | 201 | 29 | 11 | 135 | 2000 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
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 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : AB112473-004-A
 INVOICE # : 18112473
 DATE : 09-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 53N 43+50E | 201 | 26 | 4 | 80 | 660 | -- | -- |
| 53N 44+00E | 201 | 31 | 2 | 74 | 640 | -- | -- |
| 53N 44+50E | 201 | 17 | 1 | 78 | 700 | -- | -- |
| 53N 45+00E | 201 | 27 | 3 | 98 | 740 | -- | -- |
| 53N 45+50E | 201 | 24 | 3 | 180 | 720 | -- | -- |
| 53N 46+00E | 201 | 35 | 1 | 108 | 640 | -- | -- |
| 53N 46+50E | 201 | 33 | 1 | 135 | 860 | -- | -- |
| 53N 47+00E | 201 | 44 | 2 | 78 | 640 | -- | -- |
| 53N 47+50E | 201 | 23 | 1 | 230 | 620 | -- | -- |
| 53N 48+00E | 201 | 18 | 4 | 100 | 900 | -- | -- |
| 53N 48+50E | 201 | 62 | 4 | 175 | 720 | -- | -- |
| 53N 49+00E | 201 | 18 | 2 | 200 | 760 | -- | -- |
| 53N 49+50E | 201 | 25 | 5 | 255 | 700 | -- | -- |
| 53N 50+00E | 201 | 33 | 7 | 265 | 760 | -- | -- |
| 53N 50+50E | 201 | 13 | 2 | 65 | 920 | -- | -- |
| 53N 51+00E | 201 | 30 | 18 | 170 | 1140 | -- | -- |
| 53N 51+50E | 201 | 100 | 6 | 45 | 260 | -- | -- |
| 53N 52+00E | 201 | 38 | 3 | 110 | 840 | -- | -- |
| 53N 52+50E | 201 | 22 | 4 | 160 | 760 | -- | -- |
| 53N 53+00E | 201 | 41 | 5 | 170 | 980 | -- | -- |
| 53N 53+50E | 201 | 19 | 3 | 160 | 780 | -- | -- |
| 53N 54+00E | 201 | 30 | 4 | 105 | 1160 | -- | -- |
| 53N 54+50E | 201 | 41 | 11 | 165 | 1640 | -- | -- |
| 54N 43+00E | 201 | 37 | 4 | 78 | 800 | -- | -- |
| 54N 43+50E | 201 | 35 | 5 | 88 | 660 | -- | -- |
| 54N 44+00E | 201 | 22 | 4 | 95 | 580 | -- | -- |
| 54N 44+50E | 201 | 22 | 11 | 166 | 640 | -- | -- |
| 54N 45+00E | 201 | 25 | 4 | 70 | 620 | -- | -- |
| 54N 45+50E | 201 | 44 | 6 | 70 | 640 | -- | -- |
| 54N 46+00E | 201 | 40 | 3 | 98 | 800 | -- | -- |
| 54N 46+50E | 201 | 22 | 4 | 225 | 660 | -- | -- |
| 54N 47+00E | 201 | 41 | 5 | 130 | 640 | -- | -- |
| 54N 47+50E | 201 | 36 | 11 | 125 | 640 | -- | -- |
| 54N 48+00E | 201 | 25 | 5 | 225 | 700 | -- | -- |
| 54N 48+50E | 201 | 27 | 6 | 150 | 660 | -- | -- |
| 54N 49+00E | 201 | 23 | 3 | 145 | 820 | -- | -- |
| 54N 49+50E | 201 | 13 | 6 | 190 | 800 | -- | -- |
| 54N 50+00E | 201 | 32 | 9 | 98 | 1000 | -- | -- |
| 54N 50+50E | 201 | 31 | 8 | 355 | 620 | -- | -- |
| 54N 51+00E | 201 | 37 | 5 | 155 | 680 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
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 V6C 2G8

CERT. # : A8112473-005-A
 INVOICE # : I8112473
 DATE : 09-AUG-81
 P.O. # : NONE
 M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 54N 51+50E | 201 | 70 | 7 | 180 | 860 | -- | -- |
| 54N 52+00E | 201 | 9 | 6 | 100 | 300 | -- | -- |
| 54N 52+50E | 201 | 37 | 6 | 165 | 600 | -- | -- |
| 54N 53+00E | 201 | 36 | 6 | 218 | 880 | -- | -- |
| 54N 53+50E | 201 | 23 | 7 | 165 | 960 | -- | -- |
| 54N 54+00E | 201 | 38 | 20 | 500 | 1920 | -- | -- |
| 54N 54+50E | 201 | 37 | 28 | 300 | 1740 | -- | -- |
| 55N 43+00E | 201 | 83 | 5 | 110 | 580 | -- | -- |
| 55N 43+50E | 201 | 27 | 4 | 88 | 700 | -- | -- |
| 55N 44+00E | 201 | 34 | 5 | 97 | 660 | -- | -- |
| 55N 44+50E | 201 | 48 | 29 | 65 | 660 | -- | -- |
| 55N 45+00E | 201 | 34 | 5 | 110 | 640 | -- | -- |
| 55N 45+50E | 201 | 65 | 3 | 126 | 600 | -- | -- |
| 55N 46+00E | 201 | 31 | 2 | 85 | 680 | -- | -- |
| 55N 46+50E | 201 | 18 | 4 | 90 | 520 | -- | -- |
| 55N 47+00E | 201 | 41 | 3 | 95 | 660 | -- | -- |
| 55N 47+50E | 201 | 25 | 4 | 90 | 660 | -- | -- |
| 55N 48+00E | 201 | 40 | 3 | 76 | 680 | -- | -- |
| 55N 48+50E | 201 | 33 | 4 | 82 | 620 | -- | -- |
| 55N 49+00E | 201 | 23 | 2 | 70 | 640 | -- | -- |
| 55N 49+50E | 201 | 29 | 4 | 122 | 660 | -- | -- |
| 55N 50+00E | 201 | 27 | 3 | 120 | 800 | -- | -- |
| 55N 50+50E | 201 | 66 | 2 | 93 | 760 | -- | -- |
| 55N 51+00E | 201 | 42 | 1 | 105 | 680 | -- | -- |
| 55N 51+50E | 201 | 33 | 4 | 195 | 900 | -- | -- |
| 55N 52+00E | 201 | 27 | 2 | 195 | 820 | -- | -- |
| 55N 52+50E | 201 | 27 | 3 | 425 | 800 | -- | -- |
| 55N 53+00E | 201 | 53 | 86 | 1600 | 1540 | -- | -- |
| 55N 53+50E | 201 | 51 | 10 | 640 | 1420 | -- | -- |
| 55N 54+00E | 201 | 20 | 1 | 110 | 820 | -- | -- |
| 55N 54+50E | 201 | 19 | 1 | 70 | 760 | -- | -- |
| 55N 55+00E | 201 | 22 | 1 | 64 | 640 | -- | -- |
| 56N 43+00E | 201 | 51 | 3 | 70 | 700 | -- | -- |
| 56N 43+50E | 201 | 47 | 2 | 78 | 760 | -- | -- |
| 56N 44+00E | 201 | 34 | 6 | 270 | 560 | -- | -- |
| 56N 44+50E | 201 | 37 | 1 | 95 | 660 | -- | -- |
| 56N 45+00E | 201 | 22 | 3 | 74 | 620 | -- | -- |
| 56N 45+50E | 201 | 25 | 2 | 85 | 680 | -- | -- |
| 56N 46+00E | 203 | 19 | 10 | 138 | 700 | -- | -- |
| 56N 46+50E | 201 | 25 | 3 | 135 | 640 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
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#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8112473-006-A
INVOICE # : I8112473
DATE : 09-AUG-81
P.O. # : NONE
M491

ATTN: D. ANSCOTT CC W.A. HOWELL, JMT SERVICES CORP

| Sample description | Prep code | Cu ppm | Pd ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 56N 47+00E | 201 | 23 | 6 | 210 | 600 | -- | -- |
| 56N 47+50E | 201 | 27 | 3 | 160 | 780 | -- | -- |
| 56N 48+00E | 201 | 15 | 2 | 220 | 960 | -- | -- |
| 56N 48+50E | 201 | 27 | 1 | 130 | 800 | -- | -- |
| 56N 49+00E | 201 | 19 | 2 | 188 | 660 | -- | -- |
| 56N 49+50E | 201 | 28 | 13 | 210 | 660 | -- | -- |
| 56N 50+00E | 201 | 34 | 10 | 268 | 840 | -- | -- |
| 56N 50+50E | 201 | 55 | 1 | 70 | 840 | -- | -- |
| 56N 51+00E | 201 | 26 | 1 | 95 | 660 | -- | -- |
| 56N 51+50E | 201 | 86 | 18 | 330 | 520 | -- | -- |
| 56N 52+00E | 201 | 30 | 6 | 280 | 680 | -- | -- |
| 56N 52+50E | 201 | 25 | 2 | 133 | 740 | -- | -- |
| 56N 53+00E | 201 | 39 | 8 | 180 | 1200 | -- | -- |
| 56N 53+50E | 201 | 23 | 2 | 135 | 840 | -- | -- |
| 56N 54+00E | 201 | 18 | 2 | 80 | 720 | -- | -- |
| 56N 54+50E | 201 | 14 | 3 | 78 | 700 | -- | -- |
| 56N 55+00E | 201 | 17 | 2 | 145 | 600 | -- | -- |
| 57N 43+00E | 201 | 22 | 2 | 120 | 760 | -- | -- |
| 57N 43+50E | 201 | 82 | 2 | 110 | 620 | -- | -- |
| 57N 44+00E | 201 | 16 | 3 | 84 | 720 | -- | -- |
| 57N 44+50E | 201 | 35 | 2 | 82 | 600 | -- | -- |
| 57N 45+00E | 201 | 24 | 2 | 130 | 660 | -- | -- |
| 57N 45+50E | 201 | 12 | 3 | 220 | 720 | -- | -- |
| 57N 46+00E | 201 | 20 | 1 | 85 | 700 | -- | -- |
| 57N 46+50E | 201 | 12 | 2 | 215 | 560 | -- | -- |
| 57N 47+00E | 201 | 29 | 4 | 210 | 640 | -- | -- |
| 57N 47+50E | 201 | 13 | 2 | 75 | 620 | -- | -- |
| 57N 48+00E | 201 | 18 | 7 | 230 | 760 | -- | -- |
| 57N 48+50E | 201 | 13 | 5 | 170 | 620 | -- | -- |
| 57N 49+00E | 201 | 12 | 3 | 135 | 640 | -- | -- |
| 57N 49+50E | 203 | 65 | 4 | 90 | 640 | -- | -- |
| 57N 50+00E | 201 | 20 | 2 | 120 | 600 | -- | -- |
| 58N 43+00E | 201 | 25 | 1 | 50 | 760 | -- | -- |
| 58N 43+50E | 201 | 26 | 2 | 68 | 740 | -- | -- |
| 58N 44+00E | 201 | 21 | 1 | 40 | 700 | -- | -- |
| 58N 44+50E | 201 | 28 | 3 | 75 | 660 | -- | -- |
| 58N 45+00E | 201 | 13 | 3 | 67 | 620 | -- | -- |
| 58N 45+50E | 201 | 27 | 3 | 62 | 670 | -- | -- |
| 58N 46+00E | 201 | 13 | 3 | 145 | 660 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : AB112474-001-A
INVOICE # : I8112474
DATE : 09-AUG-81
P.O. # : NONE

ATTN: D ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 58N 46+50E | 201 | 8 | 5 | 185 | 490 | -- | -- |
| 58N 47+00E | 201 | 19 | 5 | 82 | 560 | -- | -- |
| 58N 47+50E | 201 | 35 | 6 | 140 | 540 | -- | -- |
| 58N 48+00E | 201 | 23 | 4 | 105 | 640 | -- | -- |
| 58N 48+50E | 201 | 23 | 5 | 90 | 670 | -- | -- |
| 58N 49+00E | 201 | 25 | 12 | 160 | 560 | -- | -- |
| 58N 49+50E | 201 | 18 | 7 | 165 | 700 | -- | -- |
| 58N 50+00E | 201 | 17 | 4 | 86 | 650 | -- | -- |
| 59N 43+00E | 201 | 19 | 4 | 76 | 710 | -- | -- |
| 59N 43+50E | 201 | 26 | 2 | 38 | 760 | -- | -- |
| 59N 44+00E | 201 | 31 | 2 | 70 | 730 | -- | -- |
| 59N 44+50E | 201 | 26 | 1 | 33 | 860 | -- | -- |
| 59N 45+00E | 201 | 20 | 1 | 70 | 730 | -- | -- |
| 59N 45+50E | 201 | 15 | 3 | 105 | 640 | -- | -- |
| 59N 46+00E | 201 | 20 | 5 | 105 | 470 | -- | -- |
| 59N 46+50E | 201 | 34 | 2 | 115 | 630 | -- | -- |
| 59N 47+00E | 201 | 23 | 7 | 142 | 640 | -- | -- |
| 59N 47+50E | 201 | 28 | 2 | 52 | 720 | -- | -- |
| 59N 48+00E | 201 | 28 | 6 | 90 | 580 | -- | -- |
| 59N 48+50E | 201 | 34 | 11 | 170 | 660 | -- | -- |
| 59N 49+00E | 201 | 28 | 6 | 75 | 530 | -- | -- |
| 59N 49+50E | 201 | 28 | 15 | 60 | 780 | -- | -- |
| 60N 43+00E | 201 | 24 | 5 | 60 | 720 | -- | -- |
| 60N 43+50E | 201 | 30 | 4 | 72 | 700 | -- | -- |
| 60N 44+00E | 201 | 19 | 3 | 40 | 720 | -- | -- |
| 60N 44+50E | 203 | 79 | 6 | 76 | 650 | -- | -- |
| 60N 45+00E | 201 | 23 | 3 | 110 | 640 | -- | -- |
| 60N 45+50E | 201 | 16 | 4 | 175 | 530 | -- | -- |
| 60N 46+00E | 201 | 29 | 4 | 115 | 600 | -- | -- |
| 60N 46+50E | 201 | 38 | 8 | 135 | 500 | -- | -- |
| 60N 47+00E | 201 | 24 | 8 | 140 | 660 | -- | -- |
| 60N 47+50E | 201 | 28 | 4 | 88 | 620 | -- | -- |
| 60N 48+00E | 201 | 31 | 3 | 115 | 740 | -- | -- |
| 60N 48+50E | 201 | 25 | 2 | 50 | 620 | -- | -- |
| 60N 49+00E | 201 | 23 | 5 | 112 | 750 | -- | -- |
| 60N 49+50E | 201 | 23 | 4 | 135 | 820 | -- | -- |
| 60N 50+00E | 201 | 87 | 6 | 290 | 1340 | -- | -- |
| 60N 50+50E | 201 | 21 | 5 | 170 | 660 | -- | -- |
| 60N 51+00E | 201 | 29 | 4 | 145 | 700 | -- | -- |
| 60N 51+50E | 201 | 96 | 10 | 250 | 1060 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112474-002-A
 INVOICE # : I8112474
 DATE : 09-AUG-81
 P.O. # : NONE

ATTN: D ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 60N 52+00E | 201 | 19 | 5 | 110 | 780 | -- | -- |
| 60N 52+50E | 201 | 24 | 4 | 70 | 740 | -- | -- |
| 60N 53+00E | 201 | 33 | 5 | 102 | 750 | -- | -- |
| 60N 53+50E | 201 | 24 | 2 | 82 | 660 | -- | -- |
| 60N 54+00E | 201 | 22 | 2 | 50 | 620 | -- | -- |
| 60N 54+50E | 201 | 23 | 6 | 152 | 680 | -- | -- |
| 61N 43+00E | 201 | 17 | 15 | 470 | 1000 | -- | -- |
| 61N 43+50E | 201 | 19 | 4 | 130 | 600 | -- | -- |
| 61N 44+00E | 201 | 13 | 3 | 80 | 540 | -- | -- |
| 61N 44+50E | 201 | 13 | 4 | 82 | 560 | -- | -- |
| 61N 45+00E | 201 | 25 | 3 | 290 | 550 | -- | -- |
| 61N 45+50E | 201 | 34 | 5 | 98 | 560 | -- | -- |
| 61N 46+00E | 201 | 34 | 6 | 115 | 580 | -- | -- |
| 61N 46+50E | 201 | 32 | 103 | 690 | 620 | -- | -- |
| 61N 47+00E | 201 | 20 | 58 | 245 | 740 | -- | -- |
| 61N 47+50E | 201 | 7 | 3 | 130 | 630 | -- | -- |
| 61N 48+00E | 201 | 29 | 2 | 46 | 680 | -- | -- |
| 61N 48+50E | 201 | 39 | 3 | 50 | 780 | -- | -- |
| 61N 49+00E | 201 | 23 | 3 | 50 | 780 | -- | -- |
| 61N 49+50E | 201 | 37 | 4 | 80 | 660 | -- | -- |
| 61N 50+00E | 201 | 30 | 5 | 70 | 620 | -- | -- |
| 61N 50+50E | 201 | 33 | 6 | 145 | 820 | -- | -- |
| 61N 51+00E | 201 | 31 | 6 | 145 | 870 | -- | -- |
| 62N 43+00E | 201 | 20 | 4 | 115 | 680 | -- | -- |
| 62N 43+50E | 201 | 7 | 6 | 64 | 580 | -- | -- |
| 62N 44+00E | 201 | 26 | 2 | 130 | 790 | -- | -- |
| 62N 44+50E | 201 | 11 | 3 | 82 | 610 | -- | -- |
| 62N 45+00E | 201 | 28 | 4 | 80 | 620 | -- | -- |
| 62N 45+50E | 201 | 21 | 3 | 50 | 620 | -- | -- |
| 62N 46+00E | 201 | 39 | 4 | 70 | 640 | -- | -- |
| 62N 46+50E | 201 | 35 | 6 | 115 | 600 | -- | -- |
| 62N 47+00E | 201 | 25 | 33 | 290 | 660 | -- | -- |
| 62N 47+50E | 201 | 19 | 2 | 112 | 580 | -- | -- |
| 62N 48+00E | 201 | 29 | 3 | 62 | 650 | -- | -- |
| 62N 48+50E | 203 | 16 | 20 | 125 | 430 | -- | -- |
| 62N 55+50E | 201 | 23 | 3 | 60 | 800 | -- | -- |
| 62N 56+00E | 201 | 37 | 8 | 270 | 1200 | -- | -- |
| 62N 56+50E | 201 | 28 | 14 | 145 | 1440 | -- | -- |
| 62N 57+00E | 201 | 21 | 5 | 115 | 860 | -- | -- |
| 62N 57+50E | 201 | 48 | 11 | 212 | 860 | -- | -- |

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 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112474-003-A
 INVOICE # : 18112474
 DATE : 09-AUG-81
 P.O. # : NJNE

ATTN: D ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 62N 58+00E | 201 | 24 | 2 | 42 | 760 | -- | -- |
| 62N 58+50E | 201 | 38 | 2 | 65 | 800 | -- | -- |
| 62N 59+00E | 201 | 16 | 3 | 73 | 760 | -- | -- |
| 62N 59+50E | 201 | 22 | 2 | 65 | 720 | -- | -- |
| 62N 60+00E | 201 | 21 | 6 | 80 | 520 | -- | -- |
| 62N 60+50E | 201 | 17 | 2 | 28 | 580 | -- | -- |
| 62N 61+00E | 201 | 21 | 2 | 41 | 600 | -- | -- |
| 62N 61+50E | 201 | 15 | 4 | 70 | 600 | -- | -- |
| 62N 62+00E | 201 | 21 | 4 | 78 | 520 | -- | -- |
| 62N 62+50E | 201 | 17 | 4 | 85 | 640 | -- | -- |
| 62N 63+00E | 201 | 15 | 2 | 90 | 800 | -- | -- |
| 63N 42+00E | 201 | 26 | 4 | 72 | 830 | -- | -- |
| 63N 42+50E | 201 | 21 | 4 | 72 | 690 | -- | -- |
| 63N 43+00E | 201 | 18 | 2 | 71 | 820 | -- | -- |
| 63N 43+50E | 201 | 18 | 2 | 57 | 640 | -- | -- |
| 63N 44+00E | 201 | 26 | 4 | 70 | 720 | -- | -- |
| 63N 44+50E | 201 | 22 | 3 | 270 | 660 | -- | -- |
| 63N 45+00E | 201 | 23 | 2 | 45 | 720 | -- | -- |
| 63N 45+50E | 201 | 13 | 2 | 47 | 520 | -- | -- |
| 63N 46+00E | 201 | 25 | 5 | 118 | 600 | -- | -- |
| 63N 46+50E | 201 | 39 | 3 | 85 | 780 | -- | -- |
| 63N 47+00E | 201 | 23 | 4 | 40 | 720 | -- | -- |
| 63N 47+50E | 201 | 27 | 5 | 52 | 660 | -- | -- |
| 63N 48+00E | 201 | 12 | 6 | 390 | 780 | -- | -- |
| 63N 48+50E | 201 | 29 | 4 | 112 | 680 | -- | -- |
| 63N 49+00E | 201 | 45 | 5 | 70 | 760 | -- | -- |
| 63N 49+50E | 201 | 13 | 5 | 130 | 580 | -- | -- |
| 63N 50+00E A | 201 | 15 | 8 | 153 | 580 | -- | -- |
| 63N 50+00E B | 201 | 11 | 13 | 155 | 1060 | -- | -- |
| 63N 50+50E | 201 | 34 | 7 | 80 | 720 | -- | -- |
| 63N 51+00E | 201 | 62 | 5 | 180 | 880 | -- | -- |
| 63N 51+50E | 201 | 34 | 8 | 300 | 840 | -- | -- |
| 63N 52+00E | 201 | 57 | 7 | 155 | 780 | -- | -- |
| 63N 52+50E | 201 | 24 | 4 | 185 | 780 | -- | -- |
| 63N 53+00E | 201 | 18 | 2 | 47 | 800 | -- | -- |
| 63N 53+50E | 201 | 21 | 4 | 140 | 660 | -- | -- |
| 63N 54+00E | 201 | 27 | 5 | 120 | 700 | -- | -- |
| 63N 54+50E | 201 | 41 | 7 | 110 | 580 | -- | -- |
| 63N 55+00E | 201 | 25 | 2 | 66 | 680 | -- | -- |
| 63N 55+50E | 201 | 28 | 3 | 80 | 660 | -- | -- |

Certified by *Hart Biche*



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CHEMEX LABS LTD.

212 BROOKSBANK AVE
 NORTH VANCOUVER, B.C.
 CANADA V7J 2C1
 TELEPHONE: (604)984-0221
 TELEX: 043-52597

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| CERTIFICATE OF ANALYSIS |
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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112474-004-A
 INVOICE # : I8112474
 DATE : 09-AUG-81
 P.O. # : NONE

ATTN: D ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 63N 56+00E | 201 | 29 | 5 | 98 | 980 | -- | -- |
| 63N 56+50E | 201 | 23 | 6 | 170 | 1080 | -- | -- |
| 63N 57+00E | 201 | 24 | 5 | 67 | 800 | -- | -- |
| 63N 57+50E | 201 | 19 | 2 | 60 | 650 | -- | -- |
| 63N 58+00E | 201 | 19 | 3 | 82 | 660 | -- | -- |
| 63N 58+50E | 201 | 36 | 4 | 65 | 680 | -- | -- |
| 63N 59+00E | 201 | 32 | 3 | 85 | 680 | -- | -- |
| 63N 59+50E | 201 | 31 | 6 | 106 | 620 | -- | -- |
| 63N 60+00E | 201 | 24 | 1 | 75 | 740 | -- | -- |
| 63N 60+50E | 201 | 30 | 3 | 46 | 750 | -- | -- |
| 63N 61+00E | 201 | 30 | 2 | 43 | 780 | -- | -- |
| 63N 61+50E | 201 | 36 | 3 | 45 | 800 | -- | -- |
| 63N 62+00E | 201 | 27 | 2 | 50 | 800 | -- | -- |
| 63N 62+50E | 201 | 18 | 3 | 120 | 560 | -- | -- |
| 63N 63+00E | 201 | 29 | 3 | 90 | 640 | -- | -- |
| 64N 42+00E | 201 | 17 | 6 | 90 | 670 | -- | -- |
| 64N 42+50E | 201 | 32 | 4 | 80 | 600 | -- | -- |
| 64N 43+00E | 201 | 32 | 4 | 60 | 560 | -- | -- |
| 64N 43+50E | 201 | 13 | 3 | 102 | 600 | -- | -- |
| 64N 44+00E | 201 | 29 | 3 | 75 | 760 | -- | -- |
| 64N 44+50E | 201 | 17 | 1 | 76 | 680 | -- | -- |
| 64N 45+00E | 201 | 12 | 3 | 77 | 650 | -- | -- |
| 64N 45+50E | 201 | 17 | 4 | 118 | 570 | -- | -- |
| 64N 46+00E | 201 | 27 | 3 | 50 | 630 | -- | -- |
| 64N 46+50E | 201 | 37 | 5 | 160 | 780 | -- | -- |
| 64N 47+00E | 201 | 27 | 3 | 90 | 570 | -- | -- |
| 64N 47+50E | 201 | 22 | 3 | 62 | 620 | -- | -- |
| 64N 48+00E | 201 | 16 | 5 | 150 | 620 | -- | -- |
| 64N 48+50E | 201 | 59 | 6 | 102 | 640 | -- | -- |
| 64N 49+00E | 201 | 12 | 3 | 105 | 550 | -- | -- |
| 64N 49+50E | 201 | 365 | 4 | 53 | 580 | -- | -- |
| 64N 50+00E | A 201 | 12 | 5 | 55 | 870 | -- | -- |
| 64N 50+00E | B 201 | 37 | 4 | 110 | 640 | -- | -- |
| 64N 50+50E | 201 | 58 | 6 | 73 | 790 | -- | -- |
| 64N 51+00E | 201 | 45 | 2 | 80 | 660 | -- | -- |
| 64N 51+50E | 201 | 122 | 67 | 220 | 1360 | -- | -- |
| 64N 52+00E | 201 | 22 | 2 | 65 | 660 | -- | -- |
| 64N 52+50E | 201 | 200 | 10 | 174 | 740 | -- | -- |
| 64N 53+00E | 201 | 18 | 6 | 70 | 680 | -- | -- |
| 64N 53+50E | 201 | 255 | 7 | 230 | 1100 | -- | -- |

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112474-005-A
 INVOICE # : I8112474
 DATE : 09-AUG-81
 P.O. # : NONE

ATTN: D ARSCOTT

| Sample description | Prep code | Cu ppm | Po ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 64N 54+00E | 203 | 62 | 21 | 205 | 1020 | -- | -- |
| 64N 54+50E | 201 | 120 | 4 | 55 | 900 | -- | -- |
| 64N 55+00E | 201 | 24 | 2 | 38 | 600 | -- | -- |
| 64N 55+50E | 201 | 22 | 4 | 85 | 700 | -- | -- |
| 64N 56+00E | 201 | 63 | 3 | 118 | 880 | -- | -- |
| 64N 56+50E | 201 | 64 | 6 | 85 | 760 | -- | -- |
| 64N 57+00E | 201 | 19 | 6 | 185 | 670 | -- | -- |
| 64N 57+50E | 201 | 25 | 6 | 145 | 740 | -- | -- |
| 64N 58+00E | 201 | 31 | 3 | 78 | 680 | -- | -- |
| 64N 58+50E | 201 | 18 | 5 | 90 | 780 | -- | -- |
| 64N 59+00E | 201 | 29 | 11 | 105 | 680 | -- | -- |
| 64N 59+50E | 201 | 30 | 9 | 92 | 760 | -- | -- |
| 64N 60+00E | 201 | 20 | 3 | 98 | 670 | -- | -- |
| 64N 60+50E | 201 | 18 | 2 | 60 | 640 | -- | -- |
| 64N 61+00E | 201 | 21 | 3 | 85 | 640 | -- | -- |
| 64N 61+50E | 201 | 23 | 4 | 64 | 620 | -- | -- |
| 64N 62+00E | 201 | 94 | 5 | 55 | 770 | -- | -- |
| 64N 62+50E | 201 | 33 | 5 | 85 | 730 | -- | -- |
| 64N 63+00E | 201 | 14 | 5 | 58 | 620 | -- | -- |
| 65N 50+00E | 201 | 35 | 5 | 78 | 480 | -- | -- |
| 65N 50+50E | 201 | 19 | 5 | 80 | 720 | -- | -- |
| 65N 51+00E | 201 | 21 | 8 | 120 | 700 | -- | -- |
| 65N 51+50E | 201 | 29 | 3 | 70 | 800 | -- | -- |
| 65N 52+00E | 201 | 62 | 4 | 80 | 700 | -- | -- |
| 65N 52+50E | 201 | 30 | 4 | 58 | 680 | -- | -- |
| 65N 53+00E | 201 | 45 | 5 | 65 | 650 | -- | -- |
| 65N 53+50E | 201 | 17 | 8 | 195 | 600 | -- | -- |
| 65N 54+00E | 201 | 17 | 2 | 62 | 500 | -- | -- |
| 65N 54+50E | 201 | 20 | 2 | 94 | 620 | -- | -- |
| 65N 55+00E | 201 | 18 | 6 | 72 | 600 | -- | -- |
| 65N 55+50E | 201 | 25 | 32 | 240 | 810 | -- | -- |
| 65N 56+00E | 201 | 21 | 4 | 55 | 1200 | -- | -- |
| 65N 56+50E | 201 | 20 | 2 | 105 | 750 | -- | -- |
| 65N 57+00E | 201 | 19 | 32 | 180 | 590 | -- | -- |
| 65N 57+50E | 201 | 18 | 4 | 122 | 570 | -- | -- |
| 65N 58+00E | 201 | 48 | 2 | 190 | 400 | -- | -- |
| 65N 58+50E | 201 | 23 | 2 | 60 | 730 | -- | -- |
| 65N 59+00E | 201 | 24 | 2 | 74 | 720 | -- | -- |
| 65N 59+50E | 201 | 24 | 5 | 110 | 840 | -- | -- |
| 65N 60+00E | 201 | 23 | 1 | 50 | 760 | -- | -- |

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| CERTIFICATE OF ANALYSIS |
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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112474-006-A
 INVOICE # : I8112474
 DATE : 09-AUG-81
 P.O. # : NONE

ATTN: D ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 65N 60+50E | 201 | 31 | 1 | 63 | 660 | -- | -- |
| 65N 61+00E | 201 | 23 | 1 | 70 | 550 | -- | -- |
| 65N 61+50E | 201 | 16 | 3 | 115 | 680 | -- | -- |
| 65N 62+00F | 201 | 24 | 2 | 98 | 780 | -- | -- |
| 65N 62+50E | 201 | 18 | 1 | 60 | 640 | -- | -- |
| 65N 63+00E | 201 | 46 | 1 | 42 | 800 | -- | -- |
| 66N 55+00E | 201 | 32 | 1 | 60 | 600 | -- | -- |
| 66N 55+50E | 201 | 11 | 4 | 125 | 560 | -- | -- |
| 66N 56+00E | 201 | 24 | 4 | 140 | 900 | -- | -- |
| 66N 56+50E | 201 | 13 | 1 | 66 | 800 | -- | -- |
| 66N 57+00E | 201 | 22 | 5 | 84 | 670 | -- | -- |
| 66N 57+50E | 201 | 23 | 2 | 142 | 660 | -- | -- |
| 66N 58+00E | 201 | 13 | 3 | 128 | 680 | -- | -- |
| 66N 58+50E | 201 | 28 | 6 | 132 | 790 | -- | -- |
| 66N 59+00E | 201 | 22 | 2 | 105 | 730 | -- | -- |
| 66N 59+50E | 201 | 29 | 2 | 72 | 580 | -- | -- |
| 66N 60+00E | 201 | 23 | 1 | 45 | 620 | -- | -- |
| 66N 60+50E | 201 | 76 | 3 | 85 | 500 | -- | -- |
| 66N 61+00E | 201 | 22 | 1 | 50 | 700 | -- | -- |
| 66N 61+50E | 201 | 22 | 1 | 115 | 620 | -- | -- |
| 66N 62+00E | 201 | 32 | 3 | 150 | 860 | -- | -- |
| 66N 62+50E | 201 | 20 | 1 | 55 | 710 | -- | -- |
| 66N 63+00E | 201 | 25 | 1 | 84 | 660 | -- | -- |
| 67N 55+00E | 201 | 25 | 1 | 92 | 740 | -- | -- |
| 67N 55+50E | 201 | 33 | 3 | 72 | 660 | -- | -- |
| 67N 56+00E | 201 | 27 | 1 | 105 | 660 | -- | -- |
| 67N 56+50E | 201 | 21 | 2 | 115 | 580 | -- | -- |
| 67N 57+00E | 201 | 20 | 10 | 282 | 600 | -- | -- |
| 67N 57+50E | 201 | 21 | 4 | 220 | 540 | -- | -- |
| 67N 58+00E | 201 | 28 | 4 | 120 | 590 | -- | -- |
| 67N 58+50E | 201 | 26 | 2 | 90 | 670 | -- | -- |
| 67N 59+00E | 201 | 18 | 4 | 280 | 690 | -- | -- |
| 67N 59+50E | 201 | 21 | 2 | 80 | 600 | -- | -- |
| 67N 60+00E | 201 | 15 | 1 | 50 | 510 | -- | -- |
| 67N 60+50E | 201 | 22 | 3 | 172 | 790 | -- | -- |
| 67N 61+00E | 201 | 11 | 3 | 148 | 780 | -- | -- |
| 67N 61+50E | 201 | 21 | 3 | 105 | 880 | -- | -- |
| 67N 62+00E | 201 | 16 | 2 | 138 | 640 | -- | -- |
| 67N 62+50E | 201 | 20 | 3 | 60 | 660 | -- | -- |
| 67N 63+00E | 201 | 10 | 1 | 60 | 640 | -- | -- |

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Plotted Cu, Zn.



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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112475-001-A
 INVOICE # : I8112475
 DATE : 09-AUG-81
 P.O. # : NONE
 #491

ATTN. D ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 68N 55+00E | 201 | 21 | 4 | 90 | 560 | -- | -- |
| 68N 55+50E | 201 | 17 | 2 | 48 | 680 | -- | -- |
| 68N 56+00E | 201 | 27 | 3 | 58 | 650 | -- | -- |
| 68N 56+50E | 201 | 32 | 3 | 55 | 580 | -- | -- |
| 68N 57+00E | 201 | 14 | 3 | 100 | 550 | -- | -- |
| 68N 57+50E | 201 | 25 | 2 | 62 | 760 | -- | -- |
| 68N 58+00E | 201 | 38 | 1 | 38 | 690 | -- | -- |
| 68N 58+50E | 201 | 39 | 2 | 145 | 570 | -- | -- |
| 68N 59+00E | 201 | 14 | 3 | 150 | 520 | -- | -- |
| 68N 59+50E | 201 | 15 | 1 | 72 | 630 | -- | -- |
| 66N 60+00E | 201 | 31 | 13 | 125 | 680 | -- | -- |
| 68N 60+50E | 201 | 27 | 22 | 165 | 800 | -- | -- |
| 68N 61+00E | 201 | 26 | 9 | 138 | 740 | -- | -- |
| 68N 61+50E | 201 | 36 | 3 | 72 | 620 | -- | -- |
| 68N 62+00E | 201 | 23 | 5 | 125 | 590 | -- | -- |
| 68N 62+50E | 201 | 28 | 2 | 74 | 660 | -- | -- |
| 68N 63+00E | 201 | 36 | 5 | 95 | 740 | -- | -- |
| 69N 60+00E | 201 | 21 | 3 | 110 | 560 | -- | -- |
| 69N 60+50E | 201 | 23 | 5 | 130 | 740 | -- | -- |
| 69N 61+00E | 201 | 22 | 1 | 140 | 660 | -- | -- |
| 69N 61+50E | 201 | 32 | 4 | 118 | 640 | -- | -- |
| 69N 62+00E | 201 | 18 | 1 | 50 | 640 | -- | -- |
| 69N 62+50E | 201 | 20 | 2 | 90 | 540 | -- | -- |
| 69N 63+00E | 201 | 27 | 2 | 60 | 640 | -- | -- |
| 70N 55+00E | 201 | 24 | 2 | 58 | 640 | -- | -- |
| 70N 55+50E | 201 | 19 | 1 | 82 | 700 | -- | -- |
| 70N 56+00E | 201 | 27 | 3 | 48 | 780 | -- | -- |
| 70N 56+50E | 201 | 28 | 2 | 80 | 650 | -- | -- |
| 70N 57+00E | 201 | 29 | 1 | 60 | 640 | -- | -- |
| 70N 57+50E | 201 | 22 | 1 | 44 | 750 | -- | -- |
| 70N 58+00E | 201 | 46 | 2 | 42 | 660 | -- | -- |
| 70N 58+50E | 201 | 22 | 3 | 175 | 640 | -- | -- |
| 70N 59+00E | 201 | 20 | 1 | 110 | 660 | -- | -- |
| 70N 59+50E | 201 | 31 | 2 | 65 | 600 | -- | -- |
| 70N 60+00E | 201 | 18 | 6 | 220 | 720 | -- | -- |
| 70N 60+50E | 201 | 23 | 2 | 60 | 560 | -- | -- |
| 70N 61+00E | 201 | 14 | 2 | 115 | 640 | -- | -- |
| 70N 61+50E | 201 | 22 | 1 | 54 | 800 | -- | -- |
| 70N 62+00E | 201 | 17 | 1 | 44 | 620 | -- | -- |
| 70N 62+50E | 201 | 17 | 1 | 118 | 710 | -- | -- |

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| CERTIFICATE OF ANALYSIS |
|-------------------------|

TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112476-001-A
 INVOICE # : 18112476
 DATE : 09-AUG-81
 P.O. # : M491
 M491

ATTN: D. ARSCOTT C/C W.A. HOWELL, JMT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| 41N 47E | 205 | 700 | 13 | 450 | 50 | -- | -- |
| 60N 55E | 205 | 35 | 12 | 76 | 700 | -- | -- |
| PF 8 | 205 | 62 | 19 | 265 | 1220 | -- | -- |
| PF 61 | 205 | 29 | 1 | 75 | 380 | -- | -- |
| ✓ SM-01 | 205 | 7 | 5 | 165 | 930 | -- | -- |
| ✓ SM-02 | 205 | 16 | 61 | 24 | 2400 | -- | -- |
| ✓ SM-03 | 205 | 15 | 6 | 200 | 3400 | -- | -- |
| ✓ SM-04 | 205 | 425 | 55 | 750 | 560 | -- | -- |
| ✓ SM-05 | 205 | 17 | 13 | 1020 | 1640 | -- | -- |
| ✓ SM-06 | 205 | 66 | 68 | 400 | 1940 | -- | -- |
| ✓ SM-07 | 205 | 27 | 6 | 130 | 1680 | -- | -- |
| ✓ SM-08 | 205 | 17 | 7 | 210 | 900 | -- | -- |
| ✓ SM-09 | 205 | 6 | 5 | 265 | 1280 | -- | -- |
| ✓ SM-20 | 205 | 78 | 4 | 88 | 910 | -- | -- |
| ✓ SM-25 | 205 | 27 | 1 | 110 | 350 | -- | -- |
| ✓ SM-34 | 205 | 16 | 1 | 92 | 720 | -- | -- |
| ✓ SM-41 | 205 | 20 | 2 | 76 | 420 | -- | -- |
| ✓ SM-57 | 205 | 6 | 12 | 67 | 1220 | -- | -- |
| ✓ SM-58 | 205 | 1050 | >10000 | 8750 | >10000 | -- | -- |
| ✓ SM-63 | 205 | 72 | 5000 | 585 | 1100 | -- | -- |
| ✓ SM-68 | 205 | 19 | 1300 | 220 | 640 | -- | -- |
| ✓ SM-76 | 205 | 7 | 500 | 440 | 1180 | -- | -- |
| ✓ SM-77 | 205 | 13 | 1100 | 350 | 1260 | -- | -- |
| ✓ SM-79 | 205 | 7 | 285 | 35 | 200 | -- | -- |
| TS-01 | 205 | 12 | 385 | 43 | 3900 | -- | -- |
| TS-02 | 205 | 19 | 90 | 65 | 5600 | -- | -- |
| TS-03 | 205 | 16 | 108 | 52 | 1600 | -- | -- |
| TS-04 | 205 | 7 | 25 | 50 | 580 | -- | -- |
| TS-05 | 205 | 7 | 75 | 150 | 880 | -- | -- |
| TS-06 | 205 | 6 | 115 | 225 | 1460 | -- | -- |
| TS-39 | 205 | 7 | 25 | 130 | 500 | -- | -- |
| TS-58 | 205 | 8 | 56 | 84 | 320 | -- | -- |
| TS-60 | 205 | 9 | 10 | 66 | 200 | -- | -- |
| TS-63 | 205 | 21 | 25 | 43 | 240 | -- | -- |
| TS-65 | 205 | 23 | 8 | 72 | 280 | -- | -- |
| TS-80 | 205 | 12 | 36 | 89 | 520 | -- | -- |
| TS-82 | 205 | 7 | 9 | 70 | 460 | -- | -- |
| TS-93 | 205 | 8 | 10 | 44 | 700 | -- | -- |
| TS-101 | 205 | 7 | 6 | 105 | 1480 | -- | -- |
| TS-104 | 205 | 5 | 6 | 105 | 340 | -- | -- |

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TELEX: 043-52597

• ANALYTICAL CHEMISTS

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• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A6112476-002-A
INVOICE # : I8112476
DATE : 09-AUG-81
P.O. # : M491
M491

ATTN: D. ARSCOTT C/C W.A. HOWELL, JMT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| TS-122 | 205 | 33 | 1 | 89 | 380 | -- | -- |
| TS-136 | 205 | 62 | 14 | 90 | 4000 | -- | -- |
| TS-140 | 205 | 8 | 27 | 160 | 2000 | -- | -- |
| TS-141 | 205 | 6 | 8 | 220 | 340 | -- | -- |
| TS-152 | 205 | 18 | 11 | 310 | 1440 | -- | -- |
| TS-161 | 205 | 13 | 14 | 380 | 1700 | -- | -- |
| TS-165 | 205 | 89 | 2 | 125 | 580 | -- | -- |
| TS-185 | 205 | 13 | 3 | 160 | 1000 | -- | -- |
| TS-201 | 205 | 48 | 1 | 55 | 280 | -- | -- |
| TS-212 | 205 | 7 | 2 | 120 | 380 | -- | -- |
| TS-214 | 205 | 6 | 2 | 58 | 260 | -- | -- |
| TS-216 | 205 | 6 | 2 | 68 | 460 | -- | -- |



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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 GURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : AB112839-004-A
 INVOICE # : IS112939
 DATE : 14-AUG-81
 P.O. # : S6809
 M491

ATTN: D. ARSCOTT CC: W.A. HOWELL

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 38N 55EE | 201 | 24 | 5 | 98 | 680 | -- | -- |
| M491 38N 55.5E | 201 | 62 | 3 | 95 | 620 | -- | -- |
| M491 38N 56.0E | 201 | 44 | 9 | 176 | 730 | -- | -- |
| M491 38N 56.5E | 201 | 59 | 4 | 72 | 750 | -- | -- |
| M491 38N 57.0E | 201 | 51 | 5 | 135 | 760 | -- | -- |
| M491 38N 57.5E | 201 | 46 | 3 | 100 | 680 | -- | -- |
| M491 38N 58EE | 201 | 56 | 3 | 148 | 500 | -- | -- |
| M491 38N 58.5E | 201 | 44 | 7 | 95 | 800 | -- | -- |
| M491 38N 59.0E | 201 | 24 | 6 | 205 | 700 | -- | -- |
| M491 38N 59.5E | 201 | 45 | 7 | 60 | 580 | -- | -- |
| M491 38N 60.0E | 201 | 52 | 5 | 115 | 580 | -- | -- |
| M491 38N 60.5E | 201 | 43 | 6 | 97 | 760 | -- | -- |
| M491 38N 61.0E | 201 | 47 | 3 | 75 | 760 | -- | -- |
| M491 38N 61.5E | 201 | 56 | 3 | 132 | 820 | -- | -- |
| M491 38N 62.0E | 201 | 45 | 5 | 75 | 840 | -- | -- |
| M491 38N 62.5E | 201 | 47 | 4 | 75 | 660 | -- | -- |
| M491 38N 63.0E | 201 | 34 | 4 | 54 | 620 | -- | -- |
| M491 39N 55.0E | 201 | 17 | 3 | 52 | 660 | -- | -- |
| M491 39N 55.5E | 201 | 24 | 5 | 68 | 720 | -- | -- |
| M491 39N 56.0E | 201 | 40 | 6 | 78 | 680 | -- | -- |
| M491 39N 56.5E | 201 | 34 | 6 | 88 | 740 | -- | -- |
| M491 39N 57.0E | 201 | 58 | 7 | 68 | 720 | -- | -- |
| M491 39N 57.5E | 201 | 54 | 3 | 75 | 800 | -- | -- |
| M491 39N 58.0E | 201 | 29 | 2 | 88 | 840 | -- | -- |
| M491 39N 58.5E | 201 | 23 | 4 | 64 | 780 | -- | -- |
| M491 39N 59.0E | 201 | 43 | 5 | 140 | 720 | -- | -- |
| M491 39N 59.5E | 201 | 38 | 3 | 94 | 740 | -- | -- |
| M491 39N 60.0E | 201 | 52 | 2 | 70 | 700 | -- | -- |
| M491 39N 60.5E | 201 | 40 | 1 | 125 | 740 | -- | -- |
| M491 39N 61.0E | 201 | 58 | 4 | 85 | 790 | -- | -- |
| M491 39N 61.5E | 201 | 56 | 5 | 98 | 780 | -- | -- |
| M491 39N 62.0E | 201 | 39 | 1 | 62 | 600 | -- | -- |
| M491 39N 62.5E | 201 | 35 | 4 | 110 | 740 | -- | -- |
| M491 39N 63.0E | 201 | 32 | 2 | 120 | 740 | -- | -- |
| M491 40N 39.0E | 201 | 48 | 4 | 165 | 750 | -- | -- |
| M491 40N 39.5E | 201 | 32 | 4 | 205 | 1080 | -- | -- |
| M491 40N 40.0E | 201 | 35 | 5 | 175 | 920 | -- | -- |
| M491 40N 40.5E | 201 | 35 | 5 | 98 | 800 | -- | -- |
| M491 40N 41.0E | 201 | 42 | 6 | 130 | 700 | -- | -- |
| M491 40N 41.5E | 201 | 41 | 9 | 290 | 1020 | -- | -- |

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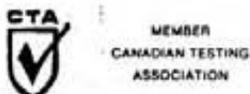
TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2G3

CERT. # : A8112839-005-A
 INVOICE # : I8112839
 DATE : 14-AUG-81
 P.O. # : 56809
 M-91

ATTN: D. ARSCOTT CC: W.A. HJWELL

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Sa ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 40N 42.0E | 201 | 25 | 6 | 104 | 700 | -- | -- |
| M491 40N 42.5E | 201 | 59 | 7 | 135 | 680 | -- | -- |
| M491 40N 52.5E | 201 | 26 | 5 | 65 | 660 | -- | -- |
| M491 40N 53.0E | 201 | 42 | 3 | 66 | 760 | -- | -- |
| M491 40N 53.5E | 201 | 24 | 4 | 84 | 720 | -- | -- |
| M491 40N 54.0E | 201 | 19 | 4 | 52 | 720 | -- | -- |
| M491 40N 54.5E | 201 | 26 | 5 | 75 | 800 | -- | -- |
| M491 40N 55.0E | 201 | 15 | 4 | 66 | 670 | -- | -- |
| M491 40N 55.0EE | 201 | 16 | 5 | 68 | 700 | -- | -- |
| M491 40N 55.5EE | 201 | 16 | 4 | 58 | 660 | -- | -- |
| M491 40N 56.0EE | 201 | 18 | 4 | 130 | 680 | -- | -- |
| M491 40N 56.5EE | 201 | 24 | 7 | 65 | 670 | -- | -- |
| M491 40N 57.0EE | 201 | 86 | 3 | 73 | 620 | -- | -- |
| M491 40N 58.5EE | 201 | 53 | 3 | 68 | 600 | -- | -- |
| M491 40N 59.0EE | 201 | 35 | 4 | 108 | 560 | -- | -- |
| M491 40N 59.5EE | 201 | 25 | 3 | 75 | 640 | -- | -- |
| M491 40N 60.0EE | 201 | 40 | 5 | 105 | 540 | -- | -- |
| M491 40N 60.5EE | 201 | 38 | 5 | 140 | 660 | -- | -- |
| M491 40N 61.0EE | 201 | 44 | 4 | 163 | 640 | -- | -- |
| M491 40N 61.5EE | 201 | 36 | 4 | 86 | 540 | -- | -- |
| M491 40N 62.0EE | 201 | 34 | 4 | 56 | 520 | -- | -- |
| M491 40N 62.5EE | 201 | 43 | 12 | 87 | 540 | -- | -- |
| M491 40N 63.0EE | 201 | 34 | 6 | 72 | 560 | -- | -- |
| M491 41N 39.0E | 201 | 45 | 3 | 135 | 750 | -- | -- |
| M491 41N 39.5E | 201 | 34 | 3 | 110 | 680 | -- | -- |
| M491 41N 40.0E | 201 | 53 | 4 | 92 | 800 | -- | -- |
| M491 41N 40.5E | 201 | 27 | 6 | 155 | 760 | -- | -- |
| M491 41N 41.0E | 201 | 30 | 5 | 100 | 660 | -- | -- |
| M491 41N 41.5E | 201 | 90 | 4 | 138 | 680 | -- | -- |
| M491 41N 42.0E | 201 | 54 | 3 | 106 | 820 | -- | -- |
| M491 41N 42.5E | 201 | 60 | 2 | 108 | 840 | -- | -- |
| M491 41N 51.5E | 201 | 31 | 2 | 76 | 710 | -- | -- |
| M491 41N 52.0E | 201 | 23 | 4 | 78 | 680 | -- | -- |
| M491 41N 52.5E | 201 | 17 | 3 | 91 | 600 | -- | -- |
| M491 41N 53.0E | 201 | 29 | 5 | 150 | 660 | -- | -- |
| M491 41N 53.5E | 201 | 21 | 3 | 96 | 600 | -- | -- |
| M491 41N 54.0E | 201 | 12 | 5 | 175 | 570 | -- | -- |
| M491 41N 55.0EE | 201 | 17 | 5 | 74 | 660 | -- | -- |
| M491 41N 55.5EE | 201 | 20 | 4 | 65 | 700 | -- | -- |
| M491 41N 56.0EE | 201 | 18 | 3 | 62 | 680 | -- | -- |

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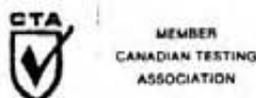
TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 4901 - 355 BURRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112839-006-A
 INVOICE # : 16112839
 DATE : 14-AUG-81
 P.O. # : S6809
 M491

ATTN: D. ARSCOTT CC: W.A. HOWELL

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 41N 56.5EE | 201 | 29 | 8 | 110 | 680 | -- | -- |
| M491 41N 57.0EE | 201 | 53 | 5 | 57 | 720 | -- | -- |
| M491 41N 57.5EE | 201 | 31 | 4 | 83 | 700 | -- | -- |
| M491 41N 59.0EE | 201 | 24 | 3 | 63 | 680 | -- | -- |
| M491 41N 59.5EE | 201 | 22 | 10 | 124 | 430 | -- | -- |
| M491 41N 60.0EE | 201 | 26 | 4 | 57 | 660 | -- | -- |
| M491 41N 60.5EE | 201 | 27 | 8 | 75 | 650 | -- | -- |
| M491 41N 61.0EE | 201 | 15 | 4 | 72 | 640 | -- | -- |
| M491 41N 61.5EE | 201 | 21 | 4 | 78 | 680 | -- | -- |
| M491 41N 62.0EE | 201 | 25 | 4 | 39 | 720 | -- | -- |
| M491 42N 39.0E | 201 | 25 | 2 | 73 | 780 | -- | -- |
| M491 42N 39.5E | 201 | 32 | 3 | 80 | 660 | -- | -- |
| M491 42N 40.0E | 201 | 25 | 3 | 58 | 740 | -- | -- |
| M491 42N 40.5E | 201 | 34 | 4 | 84 | 680 | -- | -- |
| M491 42N 41.0E | 201 | 21 | 3 | 50 | 620 | -- | -- |
| M491 42N 41.5E | 201 | 25 | 4 | 90 | 640 | -- | -- |
| M491 42N 42.0E | 201 | 84 | 16 | 81 | 780 | -- | -- |
| M491 42N 42.5E | 201 | 33 | 5 | 70 | 760 | -- | -- |
| M491 42N 51.5E | 201 | 43 | 5 | 116 | 850 | -- | -- |
| M491 42N 52.0E | 201 | 26 | 3 | 55 | 600 | -- | -- |
| M491 42N 52.5E | 201 | 80 | 4 | 53 | 840 | -- | -- |
| M491 42N 53.0E | 201 | 15 | 3 | 52 | 670 | -- | -- |
| M491 42N 53.5E | 201 | 110 | 5 | 78 | 660 | -- | -- |
| M491 42N 54.0E | 201 | 26 | 4 | 70 | 670 | -- | -- |
| M491 42N 54.5E | 201 | 17 | 6 | 100 | 820 | -- | -- |
| M491 42N 55.0E | 201 | 25 | 3 | 48 | 760 | -- | -- |
| M491 42N 55.0EE | 201 | 70 | 4 | 46 | 800 | -- | -- |
| M491 42N 55.5EE | 201 | 14 | 4 | 58 | 680 | -- | -- |
| M491 42N 56.0EE | 201 | 21 | 4 | 80 | 660 | -- | -- |
| M491 42N 56.5EE | 201 | 24 | 7 | 92 | 680 | -- | -- |
| M491 42N 57.0EE | 201 | 25 | 4 | 64 | 730 | -- | -- |
| M491 42N 57.5EE | 201 | 29 | 5 | 55 | 660 | -- | -- |
| M491 42N 58.0EE | 201 | 24 | 7 | 88 | 650 | -- | -- |
| M491 42N 58.5EE | 201 | 23 | 17 | 150 | 620 | -- | -- |
| M491 42N 59.0EE | 201 | 16 | 6 | 74 | 600 | -- | -- |
| M491 42N 59.5EE | 201 | 19 | 3 | 125 | 620 | -- | -- |
| M491 42N 60.0EE | 201 | 24 | 5 | 73 | 760 | -- | -- |
| M491 42N 60.5EE | 201 | 28 | 5 | 115 | 650 | -- | -- |
| M491 42N 61.0EE | 201 | 42 | 7 | 125 | 680 | -- | -- |
| M491 42N 61.5EE | 201 | 30 | 7 | 170 | 660 | -- | -- |

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 V6C 2G8

CERT. # : A8112339-001-A
 INVOICE # : I8112339
 DATE : 14-AUG-81
 P.O. # : S6809
 M491

ATTN: D. ARSCOTT CC: W.A. HOWELL

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Sa ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 42N 62EE | 201 | 12 | 5 | 93 | 580 | -- | -- |
| M491 43N 39.0E | 201 | 53 | 4 | 290 | 800 | -- | -- |
| M491 43N 39.5E | 201 | 29 | 6 | 93 | 620 | -- | -- |
| M491 43N 40.0E | 201 | 42 | 4 | 95 | 540 | -- | -- |
| M491 43N 40.5E | 201 | 22 | 4 | 100 | 620 | -- | -- |
| M491 43N 41.0E | 201 | 27 | 5 | 128 | 620 | -- | -- |
| M491 43N 41.5E | 201 | 25 | 4 | 75 | 640 | -- | -- |
| M491 43N 42.0E | 203 | 34 | 1 | 165 | 580 | -- | -- |
| M491 43N 42.5E | 201 | 500 | 5 | 76 | 640 | -- | -- |
| M491 43N 51.0E | 201 | 41 | 4 | 125 | 700 | -- | -- |
| M491 43N 51.5E | 201 | 30 | 6 | 95 | 670 | -- | -- |
| M491 43N 52.0E | 201 | 32 | 2 | 65 | 700 | -- | -- |
| M491 43N 52.5E | 201 | 27 | 5 | 72 | 580 | -- | -- |
| M491 43N 53.0E | 201 | 19 | 4 | 82 | 640 | -- | -- |
| M491 43N 53.5E | 201 | 28 | 5 | 80 | 710 | -- | -- |
| M491 43N 54.0E | 201 | 25 | 5 | 62 | 770 | -- | -- |
| M491 43N 54.5E | 201 | 22 | 6 | 74 | 640 | -- | -- |
| M491 43N 55.0E | 201 | 18 | 7 | 92 | 620 | -- | -- |
| M491 43N 55.5E | 201 | 22 | 4 | 90 | 640 | -- | -- |
| M491 43N 56.0E | 201 | 18 | 6 | 85 | 660 | -- | -- |
| M491 43N 56.5E | 201 | 28 | 4 | 95 | 630 | -- | -- |
| M491 43N 57.0E | 201 | 24 | 7 | 102 | 580 | -- | -- |
| M491 43N 57.5E | 201 | 19 | 5 | 60 | 710 | -- | -- |
| M491 43N 58.0E | 201 | 22 | 4 | 96 | 560 | -- | -- |
| M491 43N 58.35E | 201 | 35 | 9 | 118 | 600 | -- | -- |
| M491 43N 58.5E | 201 | 27 | 8 | 125 | 560 | -- | -- |
| M491 43N 59.0E | 201 | 44 | 3 | 70 | 840 | -- | -- |
| M491 43N 59.5E | 201 | 26 | 6 | 98 | 660 | -- | -- |
| M491 43N 60.0E | 201 | 22 | 7 | 106 | 840 | -- | -- |
| M491 43N 60.5E | 201 | 27 | 5 | 65 | 660 | -- | -- |
| M491 43N 61.0E | 201 | 32 | 21 | 216 | 940 | -- | -- |
| M491 43N 61.5E | 201 | 33 | 12 | 160 | 760 | -- | -- |
| M491 43N 62.0E | 201 | 62 | 4 | 62 | 840 | -- | -- |
| M491 43N 62.5E | 201 | 51 | 6 | 168 | 1000 | -- | -- |
| M491 43N 63.0E | 201 | 37 | 4 | 40 | 750 | -- | -- |
| M491 44N 39.0E | 201 | 45 | 5 | 112 | 690 | -- | -- |
| M491 44N 39.5E | 201 | 26 | 4 | 142 | 680 | -- | -- |
| M491 44N 40.0E | 201 | 51 | 5 | 98 | 700 | -- | -- |
| M491 44N 40.5E | 201 | 28 | 5 | 90 | 580 | -- | -- |
| M491 44N 41.0E | 201 | 31 | 6 | 140 | 660 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
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 V6C 2G8

CERT. # : A8112839-002-A
 INVOICE # : I8112839
 DATE : 14-AUG-81
 P.O. # : 56809
 M491

ATTN: D. ARSCOTT CC: W.A. HOWELL

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Sa ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 44N 41.5E | 201 | 22 | 4 | 62 | 640 | -- | -- |
| M491 44N 42.0E | 201 | 33 | 5 | 75 | 700 | -- | -- |
| M491 44N 42.5E | 201 | 30 | 3 | 92 | 670 | -- | -- |
| M491 45N 39.0E | 201 | 14 | 5 | 83 | 540 | -- | -- |
| M491 45N 39.5E | 201 | 22 | 5 | 75 | 660 | -- | -- |
| M491 45N 40.0E | 201 | 140 | 4 | 72 | 720 | -- | -- |
| M491 45N 40.5E | 201 | 62 | 5 | 40 | 680 | -- | -- |
| M491 45N 41.0E | 201 | 52 | 4 | 62 | 660 | -- | -- |
| M491 45N 41.5E | 201 | 38 | 2 | 74 | 660 | -- | -- |
| M491 45N 42.0E | 201 | 23 | 4 | 78 | 610 | -- | -- |
| M491 45N 42.5E | 201 | 24 | 5 | 84 | 620 | -- | -- |
| M491 46N 39.0E | 201 | 47 | 5 | 115 | 620 | -- | -- |
| M491 46N 39.5E | 201 | 20 | 7 | 130 | 690 | -- | -- |
| M491 46N 40.0E | 201 | 25 | 3 | 65 | 650 | -- | -- |
| M491 46N 40.5E | 201 | 50 | 5 | 47 | 720 | -- | -- |
| M491 46N 41.0E | 201 | 22 | 4 | 53 | 680 | -- | -- |
| M491 46N 41.5E | 201 | 26 | 4 | 58 | 680 | -- | -- |
| M491 46N 42.0E | 201 | 29 | 5 | 120 | 760 | -- | -- |
| M491 46N 42.5E | 201 | 23 | 2 | 58 | 680 | -- | -- |
| M491 47N 39.0E | 201 | 27 | 2 | 94 | 620 | -- | -- |
| M491 47N 39.5E | 201 | 42 | 7 | 130 | 520 | -- | -- |
| M491 47N 40.0E | 201 | 33 | 5 | 120 | 670 | -- | -- |
| M491 47N 40.5E | 201 | 43 | 6 | 135 | 520 | -- | -- |
| M491 47N 41.0E | 201 | 37 | 6 | 68 | 600 | -- | -- |
| M491 47N 41.5E | 201 | 23 | 4 | 92 | 660 | -- | -- |
| M491 47N 42.0E | 201 | 10 | 6 | 98 | 520 | -- | -- |
| M491 47N 42.5E | 201 | 27 | 5 | 88 | 700 | -- | -- |
| M491 48N 39.0E | 201 | 37 | 5 | 95 | 520 | -- | -- |
| M491 48N 39.5E | 201 | 15 | 5 | 46 | 660 | -- | -- |
| M491 48N 40.0E | 201 | 15 | 5 | 112 | 700 | -- | -- |
| M491 48N 40.5E | 201 | 22 | 2 | 70 | 720 | -- | -- |
| M491 48N 41.0E | 201 | 38 | 4 | 88 | 600 | -- | -- |
| M491 48N 41.5E | 201 | 52 | 4 | 64 | 700 | -- | -- |
| M491 48N 42.0E | 201 | 35 | 3 | 52 | 720 | -- | -- |
| M491 48N 42.5E | 201 | 36 | 6 | 95 | 640 | -- | -- |
| M491 49N 39.0E | 201 | 66 | 5 | 118 | 580 | -- | -- |
| M491 49N 39.5E | 201 | 20 | 2 | 44 | 570 | -- | -- |
| M491 49N 40.0E | 201 | 25 | 3 | 65 | 660 | -- | -- |
| M491 49N 40.5E | 201 | 25 | 2 | 50 | 680 | -- | -- |
| M491 49N 41.0E | 201 | 65 | 3 | 76 | 600 | -- | -- |

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TO : CHEVRON STANDARD LIMITED
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 V6C 2G8

CERT. # : A8112839-003-A
 INVOICE # : 18112839
 DATE : 14-AUG-81
 P.O. # : 56809
 M491

ATTN: D. ARSCOTT CC: W.A. HOWELL

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 49N 41.5E | 201 | 72 | 5 | 100 | 660 | -- | -- |
| M491 49N 42.0E | 201 | 56 | 7 | 120 | 820 | -- | -- |
| M491 49N 42.5E | 201 | 31 | 6 | 113 | 620 | -- | -- |
| M491 62N 48.0E | 201 | 20 | 5 | 42 | 760 | -- | -- |
| M491 62N 48.5E | 201 | 40 | 4 | 71 | 730 | -- | -- |
| M491 62N 49.0E | 201 | 36 | 5 | 72 | 620 | -- | -- |
| M491 62N 49.5E | 201 | 50 | 9 | 720 | 730 | -- | -- |
| M491 62N 50.0E | 201 | 36 | 3 | 80 | 700 | -- | -- |
| M491 65N 44.0E | 201 | 18 | 5 | 116 | 560 | -- | -- |
| M491 65N 44.5E | 201 | 15 | 4 | 100 | 590 | -- | -- |
| M491 65N 45.0E | 201 | 31 | 4 | 96 | 660 | -- | -- |
| M491 65N 45.5E | 201 | 34 | 5 | 68 | 560 | -- | -- |
| M491 65N 46.0E | 201 | 31 | 5 | 150 | 700 | -- | -- |
| M491 65N 46.5E | 201 | 50 | 5 | 110 | 620 | -- | -- |
| M491 65N 47.0E | 201 | 53 | 7 | 190 | 860 | -- | -- |
| M491 65N 47.5E | 201 | 30 | 7 | 70 | 800 | -- | -- |
| M491 65N 48.0E | 201 | 21 | 3 | 70 | 700 | -- | -- |
| M491 65N 48.5E | 201 | 11 | 86 | 385 | 540 | -- | -- |
| M491 65N 49.0E | 201 | 32 | 2 | 90 | 560 | -- | -- |
| M491 65N 49.5E | 201 | 22 | 4 | 70 | 660 | -- | -- |
| M491 66N 49.0E | 201 | 22 | 2 | 65 | 660 | -- | -- |
| M491 66N 50.0E | 201 | 22 | 5 | 78 | 640 | -- | -- |
| M491 66N 50.5E | 201 | 28 | 3 | 68 | 520 | -- | -- |
| M491 66N 51.0E | 201 | 24 | 13 | 70 | 800 | -- | -- |
| M491 66N 51.5E | 201 | 32 | 2 | 125 | 780 | -- | -- |
| M491 66N 52.0E | 201 | 18 | 3 | 102 | 760 | -- | -- |
| M491 66N 52.5E | 201 | 23 | 3 | 98 | 920 | -- | -- |
| M491 66N 53.0E | 201 | 27 | 5 | 155 | 840 | -- | -- |
| M491 66N 53.5E | 201 | 20 | 3 | 62 | 700 | -- | -- |
| M491 66N 54.0E | 201 | 22 | 6 | 78 | 750 | -- | -- |
| M491 66N 54.5E | 201 | 23 | 2 | 74 | 720 | -- | -- |
| M491 66N 55.0E | 201 | 24 | 3 | 55 | 730 | -- | -- |
| M491 67N 49.0E | 201 | 25 | 4 | 110 | 540 | -- | -- |
| M491 67N 49.7E | 201 | 45 | 6 | 98 | 680 | -- | -- |
| M491 67N 50.58E | 201 | 21 | 3 | 65 | 640 | -- | -- |
| M491 67N 51.4E | 201 | 24 | 3 | 105 | 680 | -- | -- |
| M491 67N 52.07E | 201 | 46 | 4 | 90 | 720 | -- | -- |
| M491 67N 52.75E | 201 | 30 | 8 | 190 | 1020 | -- | -- |
| M491 67N 53.47E | 201 | 19 | 4 | 120 | 600 | -- | -- |
| M491 67N 54.11E | 201 | 58 | 5 | 56 | 1380 | -- | -- |

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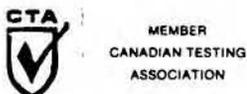
TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
4901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8112840-001-A
INVOICE # : 16112840
DATE : 16-AUG-81
P.O. # : 56809
M491

ATTN: D. ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 67N 54.55E | 201 | 24 | 6 | 55 | 590 | -- | -- |
| M491 67N 55.6E | 201 | 24 | 6 | 55 | 560 | -- | -- |
| M491 68N 48.0E | 201 | 10 | 3 | 48 | 560 | -- | -- |
| M491 68N 48.5E | 201 | 23 | 4 | 48 | 600 | -- | -- |
| M491 68N 49.0E | 201 | 32 | 5 | 56 | 660 | -- | -- |
| M491 68N 49.5E | 201 | 11 | 5 | 82 | 520 | -- | -- |
| M491 68N 50.0E | 201 | 27 | 4 | 78 | 640 | -- | -- |
| M491 68N 50.5E | 201 | 40 | 6 | 115 | 800 | -- | -- |
| M491 68N 51.0E | 201 | 15 | 7 | 132 | 700 | -- | -- |
| M491 68N 51.5E | 201 | 15 | 6 | 195 | 750 | -- | -- |
| M491 68N 52.0E | 201 | 21 | 5 | 178 | 700 | -- | -- |
| M491 68N 52.5E | 201 | 25 | 3 | 41 | 750 | -- | -- |
| M491 68N 53.0E | 201 | 26 | 6 | 108 | 640 | -- | -- |
| M491 68N 53.5E | 201 | 27 | 6 | 73 | 560 | -- | -- |
| M491 68N 54.0E | 201 | 8 | 3 | 70 | 640 | -- | -- |
| M491 68N 54.5E | 201 | 40 | 5 | 76 | 920 | -- | -- |
| M491 68N 55.0E | 201 | 11 | 6 | 100 | 600 | -- | -- |
| M491 69N 49.0E | 201 | 39 | 3 | 85 | 550 | -- | -- |
| M491 69N 49.5E | 201 | 13 | 6 | 72 | 520 | -- | -- |
| M491 69N 50.0E | 201 | 19 | 16 | 88 | 530 | -- | -- |
| M491 69N 50.5E | 201 | 41 | 4 | 44 | 920 | -- | -- |
| M491 69N 51.0E | 201 | 22 | 4 | 115 | 660 | -- | -- |
| M491 69N 51.5E | 201 | 14 | 6 | 122 | 560 | -- | -- |
| M491 69N 52.0E | 201 | 20 | 5 | 82 | 660 | -- | -- |
| M491 69N 52.5E | 201 | 25 | 5 | 108 | 800 | -- | -- |
| M491 69N 53.0E | 201 | 27 | 4 | 118 | 760 | -- | -- |
| M491 69N 53.5E | 201 | 25 | 5 | 95 | 740 | -- | -- |
| M491 69N 54.0E | 201 | 38 | 4 | 52 | 760 | -- | -- |
| M491 69N 54.5E | 201 | 21 | 6 | 148 | 640 | -- | -- |
| M491 69N 55.0E | 201 | 66 | 70 | 1350 | 640 | -- | -- |
| M491 69N 55.5E | 201 | 31 | 5 | 85 | 580 | -- | -- |
| M491 69N 56.0E | 201 | 13 | 3 | 45 | 600 | -- | -- |
| M491 70N 49.0E | 201 | 1 | 1 | 1 | 460 | -- | -- |
| M491 70N 49.5E | 201 | 32 | 4 | 46 | 740 | -- | -- |
| M491 70N 50.0E | 201 | 29 | 4 | 58 | 740 | -- | -- |
| M491 70N 50.5E | 201 | 34 | 2 | 39 | 730 | -- | -- |
| M491 70N 51.0E | 201 | 37 | 3 | 50 | 780 | -- | -- |
| M491 70N 51.5E | 201 | 34 | 5 | 68 | 820 | -- | -- |
| M491 70N 52.0E | 201 | 13 | 4 | 56 | 700 | -- | -- |
| M491 70N 52.5E | 201 | 13 | 3 | 92 | 720 | -- | -- |

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 CANADA V7J 2C1
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 TELEX: 043-52597

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| CERTIFICATE OF ANALYSIS |
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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112340-002-A
 INVOICE # : I8112340
 DATE : 16-AUG-81
 P.O. # : 56809
 M491

ATTN: D. ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Sa ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 70N 53.5E | 201 | 11 | 4 | 86 | 680 | -- | -- |
| M491 70N 54.0E | 201 | 8 | 4 | 63 | 660 | -- | -- |
| M491 70N 54.5E | 201 | 25 | 5 | 76 | 740 | -- | -- |
| M491 70N 55.0E | 201 | 24 | 9 | 273 | 660 | -- | -- |
| M491 70N 55.5E | 201 | 21 | 6 | 110 | 620 | -- | -- |
| M491 70N 56.0E | 201 | 14 | 8 | 120 | 580 | -- | -- |
| M491 70N 56.5E | 201 | 37 | 5 | 88 | 660 | -- | -- |
| M491 71N 48.0E | 201 | 23 | 4 | 63 | 670 | -- | -- |
| M491 71N 48.5E | 201 | 26 | 4 | 57 | 690 | -- | -- |
| M491 71N 49.0E | 201 | 15 | 2 | 54 | 610 | -- | -- |
| M491 71N 49.5E | 201 | 27 | 3 | 59 | 660 | -- | -- |
| M491 71N 50.0E | 201 | 25 | 4 | 72 | 680 | -- | -- |
| M491 71N 50.5E | 201 | 12 | 6 | 108 | 560 | -- | -- |
| M491 71N 51.0E | 201 | 9 | 8 | 98 | 600 | -- | -- |
| M491 71N 51.5E | 201 | 16 | 4 | 85 | 690 | -- | -- |
| M491 71N 52.0E | 201 | 25 | 5 | 95 | 620 | -- | -- |
| M491 71N 52.5E | 201 | 22 | 4 | 103 | 780 | -- | -- |
| M491 71N 53.0E | 201 | 11 | 2 | 65 | 640 | -- | -- |
| M491 71N 53.5E | 201 | 22 | 4 | 70 | 660 | -- | -- |
| M491 71N 54.0E | 201 | 32 | 12 | 250 | 720 | -- | -- |
| M491 71N 54.5E | 201 | 28 | 4 | 120 | 650 | -- | -- |
| M491 71N 55.0E | 201 | 45 | 5 | 100 | 520 | -- | -- |
| M491 71N 55.5E | 201 | 26 | 9 | 138 | 660 | -- | -- |
| M491 71N 56.0E | 201 | 32 | 2 | 78 | 740 | -- | -- |
| M491 71N 56.5E | 201 | 32 | 3 | 62 | 640 | -- | -- |
| M491 71N 57.0E | 201 | 17 | 4 | 67 | 640 | -- | -- |
| M491 71N 57.5E | 201 | 25 | 5 | 85 | 620 | -- | -- |
| M491 71N 58.0E | 201 | 23 | 4 | 113 | 690 | -- | -- |
| M491 71N 58.5E | 201 | 38 | 5 | 60 | 700 | -- | -- |
| M491 71N 59.0E | 201 | 20 | 5 | 110 | 620 | -- | -- |
| M491 71N 59.5E | 201 | 21 | 7 | 150 | 620 | -- | -- |
| M491 71N 60.0E | 201 | 19 | 4 | 108 | 640 | -- | -- |
| M491 71N 60.5E | 201 | 23 | 5 | 110 | 600 | -- | -- |
| M491 71N 61.0E | 201 | 21 | 4 | 65 | 660 | -- | -- |
| M491 71N 61.5E | 201 | 24 | 3 | 40 | 560 | -- | -- |
| M491 71N 62.0E | 201 | 24 | 7 | 128 | 700 | -- | -- |
| M491 72N 48.0E | 201 | 16 | 2 | 45 | 650 | -- | -- |
| M491 72N 48.5E | 201 | 24 | 4 | 32 | 680 | -- | -- |
| M491 72N 49.0E | 201 | 37 | 2 | 46 | 660 | -- | -- |
| M491 72N 49.5E | 201 | 32 | 3 | 36 | 710 | -- | -- |

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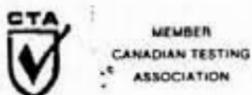
TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BARRARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112340-003-A
 INVOICE # : I2112340
 DATE : 16-AUG-81
 P.O. # : 56809
 M491

ATTN: D. ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | 3a ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 72N 50.0E | 201 | 19 | 4 | 73 | 520 | -- | -- |
| M491 72N 50.5E | 201 | 24 | 4 | 36 | 700 | -- | -- |
| M491 72N 51.0E | 201 | 19 | 3 | 50 | 400 | -- | -- |
| M491 72N 51.5E | 201 | 16 | 2 | 45 | 710 | -- | -- |
| M491 72N 52.0E | 201 | 42 | 3 | 40 | 720 | -- | -- |
| M491 72N 52.5E | 201 | 28 | 3 | 68 | 660 | -- | -- |
| M491 72N 53.0E | 201 | 25 | 3 | 50 | 580 | -- | -- |
| M491 72N 53.5E | 201 | 25 | 7 | 150 | 640 | -- | -- |
| M491 72N 54.0E | 201 | 46 | 4 | 47 | 700 | -- | -- |
| M491 72N 54.5E | 201 | 20 | 5 | 206 | 560 | -- | -- |
| M491 72N 55.0E | 201 | 27 | 5 | 108 | 560 | -- | -- |
| M491 72N 55.5E | 201 | 18 | 5 | 100 | 580 | -- | -- |
| M491 72N 56.0E | 201 | 15 | 5 | 100 | 650 | -- | -- |
| M491 72N 56.5E | 201 | 25 | 6 | 100 | 740 | -- | -- |
| M491 72N 57.0E | 201 | 26 | 11 | 98 | 680 | -- | -- |
| M491 72N 57.5E | 201 | 24 | 7 | 97 | 520 | -- | -- |
| M491 72N 58.0E | 201 | 33 | 5 | 58 | 580 | -- | -- |
| M491 72N 58.5E | 201 | 19 | 2 | 59 | 600 | -- | -- |
| M491 72N 59.0E | 201 | 20 | 3 | 185 | 460 | -- | -- |
| M491 72N 59.5E | 201 | 19 | 6 | 120 | 500 | -- | -- |
| M491 72N 60.0E | 201 | 20 | 3 | 105 | 620 | -- | -- |
| M491 72N 60.5E | 201 | 15 | 3 | 33 | 560 | -- | -- |
| M491 72N 61.0E | 201 | 15 | 7 | 120 | 680 | -- | -- |
| M491 72N 61.5E | 201 | 21 | 10 | 105 | 560 | -- | -- |
| M491 72N 62.0E | 201 | 17 | 9 | 255 | 580 | -- | -- |
| M491 73N 47.5E | 201 | 10 | 4 | 50 | 540 | -- | -- |
| M491 73N 48.0E | 201 | 18 | 4 | 70 | 570 | -- | -- |
| M491 73N 48.5E | 201 | 30 | 4 | 48 | 550 | -- | -- |
| M491 73N 49.0E | 201 | 10 | 5 | 32 | 580 | -- | -- |
| M491 73N 49.5E | 201 | 16 | 4 | 93 | 500 | -- | -- |
| M491 73N 50.0E | 201 | 25 | 3 | 42 | 600 | -- | -- |
| M491 73N 50.5E | 201 | 25 | 8 | 100 | 520 | -- | -- |
| M491 73N 51.0E | 201 | 32 | 3 | 78 | 580 | -- | -- |
| M491 73N 51.5E | 201 | 18 | 3 | 105 | 680 | -- | -- |
| M491 73N 52.0E | 201 | 23 | 4 | 65 | 720 | -- | -- |
| M491 73N 52.5E | 201 | 24 | 8 | 144 | 680 | -- | -- |
| M491 73N 53.0E | 201 | 15 | 2 | 110 | 620 | -- | -- |
| M491 73N 53.5E | 201 | 43 | 1 | 75 | 740 | -- | -- |
| M491 73N 54.0E | 201 | 17 | 1 | 46 | 640 | -- | -- |
| M491 73N 54.5E | 201 | 20 | 4 | 62 | 620 | -- | -- |

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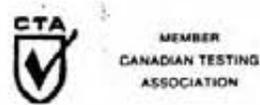
TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURNARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A3112840-004-A
 INVOICE # : I8112840
 DATE : 15-AUG-81
 P.O. # : 56809
 M491

ATTN: D. ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 73N 55.0EE | 201 | 18 | 5 | 195 | 600 | -- | -- |
| M491 73N 55.5EE | 201 | 22 | 1 | 42 | 720 | -- | -- |
| M491 73N 56.0EE | 201 | 33 | 5 | 68 | 770 | -- | -- |
| M491 73N 56.5EE | 201 | 27 | 6 | 84 | 630 | -- | -- |
| M491 73N 57.0EE | 201 | 24 | 3 | 45 | 560 | -- | -- |
| M491 73N 57.5EE | 201 | 47 | 5 | 73 | 600 | -- | -- |
| M491 73N 58.0EE | 201 | 24 | 3 | 75 | 640 | -- | -- |
| M491 73N 58.5EE | 201 | 25 | 3 | 35 | 670 | -- | -- |
| M491 73N 59.0EE | 201 | 20 | 3 | 66 | 590 | -- | -- |
| M491 73N 59.5EE | 201 | 22 | 6 | 130 | 660 | -- | -- |
| M491 73N 60.0EE | 201 | 19 | 5 | 245 | 660 | -- | -- |
| M491 73N 60.5EE | 201 | 20 | 12 | 160 | 680 | -- | -- |
| M491 73N 61.0EE | 201 | 19 | 10 | 170 | 730 | -- | -- |
| M491 73N 61.5EE | 201 | 19 | 8 | 140 | 620 | -- | -- |
| M491 73N 62.0EE | 201 | 24 | 5 | 54 | 620 | -- | -- |
| M491 74N 47.5EE | 201 | 35 | 3 | 32 | 680 | -- | -- |
| M491 74N 48.0EE | 201 | 20 | 2 | 42 | 690 | -- | -- |
| M491 74N 48.5EE | 201 | 16 | 2 | 42 | 620 | -- | -- |
| M491 74N 49.0EE | 201 | 49 | 1 | 40 | 630 | -- | -- |
| M491 74N 49.5EE | 201 | 33 | 5 | 76 | 650 | -- | -- |
| M491 74N 50.0EE | 201 | 19 | 4 | 65 | 580 | -- | -- |
| M491 74N 50.5EE | 201 | 25 | 2 | 72 | 690 | -- | -- |
| M491 74N 51.0EE | 201 | 32 | 2 | 45 | 740 | -- | -- |
| M491 74N 51.5EE | 201 | 9 | 4 | 63 | 640 | -- | -- |
| M491 74N 52.0EE | 201 | 19 | 3 | 112 | 520 | -- | -- |
| M491 74N 52.5EE | 201 | 12 | 2 | 60 | 500 | -- | -- |
| M491 74N 53.0EE | 201 | 11 | 2 | 73 | 540 | -- | -- |
| M491 74N 53.5EE | 201 | 17 | 3 | 98 | 600 | -- | -- |
| M491 74N 54.0EE | 201 | 8 | 2 | 140 | 530 | -- | -- |
| M491 74N 54.5EE | 201 | 38 | 14 | 290 | 720 | -- | -- |
| M491 74N 55.0EE | 201 | 29 | 8 | 240 | 600 | -- | -- |
| M491 74N 55.5EE | 201 | 39 | 3 | 105 | 650 | -- | -- |
| M491 74N 56.0EE | 201 | 105 | 5 | 60 | 760 | -- | -- |
| M491 74N 56.5EE | 201 | 34 | 3 | 60 | 640 | -- | -- |
| M491 74N 57.0EE | 201 | 50 | 4 | 32 | 610 | -- | -- |
| M491 74N 57.5EE | 201 | 24 | 4 | 45 | 540 | -- | -- |
| M491 74N 58.0EE | 201 | 22 | 2 | 76 | 620 | -- | -- |
| M491 74N 58.5EE | 201 | 48 | 3 | 65 | 640 | -- | -- |
| M491 74N 59.0EE | 201 | 44 | 2 | 55 | 680 | -- | -- |
| M491 74N 59.5EE | 201 | 22 | 5 | 106 | 510 | -- | -- |

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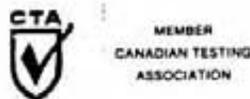
TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURRAPD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : 48112840-075-A
 INVOICE # : 18112340
 DATE : 15-AUG-31
 P.O. # : 56309
 M491

ATTN: D. ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 74N 60.0EE | 201 | 52 | 3 | 58 | 600 | -- | -- |
| M491 74N 60.5EE | 201 | 25 | 8 | 176 | 700 | -- | -- |
| M491 74N 61.0EE | 201 | 21 | 7 | 236 | 590 | -- | -- |
| M491 74N 61.5EE | 201 | 14 | 6 | 110 | 550 | -- | -- |
| M491 74N 62.0EE | 201 | 50 | 9 | 135 | 520 | -- | -- |
| M491 75N 55.0EE | 201 | 13 | 3 | 215 | 520 | -- | -- |
| M491 75N 55.5EE | 201 | 31 | 4 | 153 | 600 | -- | -- |
| M491 75N 56.0EE | 201 | 14 | 1 | 120 | 570 | -- | -- |
| M491 75N 56.5EE | 201 | 38 | 3 | 190 | 570 | -- | -- |
| M491 75N 57.0EE | 201 | 20 | 1 | 270 | 620 | -- | -- |
| M491 75N 57.5EE | 201 | 44 | 4 | 58 | 560 | -- | -- |
| M491 75N 58.0EE | 201 | 24 | 2 | 50 | 700 | -- | -- |
| M491 75N 58.5EE | 201 | 25 | 5 | 230 | 1000 | -- | -- |
| M491 75N 59.0EE | 201 | 25 | 3 | 74 | 920 | -- | -- |
| M491 75N 59.5EE | 201 | 32 | 4 | 64 | 760 | -- | -- |
| M491 75N 60.0EE | 201 | 17 | 5 | 118 | 740 | -- | -- |
| M491 75N 60.5EE | 201 | 21 | 7 | 142 | 700 | -- | -- |
| M491 75N 61.0EE | 201 | 27 | 20 | 158 | 670 | -- | -- |
| M491 75N 61.5EE | 201 | 36 | 5 | 60 | 660 | -- | -- |
| M491 75N 62.0EE | 201 | 150 | 3 | 52 | 640 | -- | -- |
| M491 76N 55.0EE | 201 | 23 | 7 | 253 | 760 | -- | -- |
| M491 76N 55.5EE | 201 | 11 | 1 | 118 | 540 | -- | -- |
| M491 76N 56.0EE | 201 | 22 | 75 | 372 | 1000 | -- | -- |
| M491 76N 56.5EE | 201 | 20 | 43 | 308 | 740 | -- | -- |
| M491 76N 57.0EE | 201 | 23 | 10 | 150 | 590 | -- | -- |
| M491 76N 57.5EE | 201 | 28 | 7 | 120 | 620 | -- | -- |
| M491 76N 58.0EE | 201 | 59 | 9 | 575 | 700 | -- | -- |
| M491 76N 58.5EE | 201 | 90 | 145 | 1300 | 2000 | -- | -- |
| M491 76N 59.0EE | 201 | 19 | 32 | 355 | 770 | -- | -- |
| M491 76N 59.5EE | 201 | 23 | 6 | 178 | 620 | -- | -- |
| M491 76N 60.0EE | 201 | 50 | 9 | 55 | 880 | -- | -- |
| M491 76N 60.5EE | 201 | 19 | 3 | 234 | 1080 | -- | -- |
| M491 76N 61.0EE | 201 | 18 | 5 | 100 | 890 | -- | -- |
| M491 76N 61.5EE | 201 | 21 | 3 | 60 | 750 | -- | -- |
| M491 76N 62.0EE | 201 | 34 | 12 | 115 | 900 | -- | -- |

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| CERTIFICATE OF ANALYSIS |
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TO : CHEVRON STANDARD LIMITED
 MINERALS STAFF
 #901 - 355 BURREARD ST.
 VANCOUVER, B.C.
 V6C 2G8

CERT. # : A8112987-001-A
 INVOICE # : 18112987
 DATE : 16-AUG-81
 P.O. # : S60309
 M491

C/O W.A. HOWELL ATTN: D. ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Pu ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 75N 48+00E | 201 | 69 | 3 | 42 | 640 | -- | -- |
| M491 75N 48+50E | 201 | 16 | 1 | 30 | 740 | -- | -- |
| M491 75N 49+00E | 201 | 36 | 3 | 42 | 650 | -- | -- |
| M491 75N 49+50E | 201 | 14 | 2 | 48 | 700 | -- | -- |
| M491 75N 50+00E | 201 | 35 | 1 | 43 | 740 | -- | -- |
| M491 75N 50+50E | 201 | 25 | 3 | 75 | 710 | -- | -- |
| M491 75N 51+00E | 201 | 14 | 3 | 52 | 620 | -- | -- |
| M491 75N 51+50E | 201 | 25 | 2 | 50 | 680 | -- | -- |
| M491 75N 52+00E | 201 | 3 | 2 | 54 | 590 | -- | -- |
| M491 75N 52+50E | 201 | 9 | 2 | 118 | 570 | -- | -- |
| M491 75N 53+00E | 201 | 16 | 1 | 56 | 680 | -- | -- |
| M491 75N 53+50E | 201 | 10 | 3 | 268 | 800 | -- | -- |
| M491 75N 54+00E | 201 | 8 | 2 | 196 | 600 | -- | -- |
| M491 75N 54+50E | 201 | 16 | 2 | 135 | 560 | -- | -- |
| M491 75N 55+00E | 201 | 86 | 3 | 86 | 520 | -- | -- |
| M491 78N 55+00EE | 201 | 59 | 24 | 343 | 700 | -- | -- |
| M491 78N 55+50EE | 201 | 30 | 18 | 178 | 770 | -- | -- |
| M491 78N 56+00EE | 201 | 19 | 4 | 137 | 630 | -- | -- |
| M491 78N 56+50EE | 201 | 21 | 4 | 148 | 670 | -- | -- |
| M491 78N 57+00EE | 201 | 23 | 14 | 108 | 860 | -- | -- |
| M491 78N 57+50EE | 201 | 18 | 3 | 78 | 700 | -- | -- |
| M491 78N 58+00EE | 201 | 16 | 2 | 60 | 640 | -- | -- |
| M491 78N 58+50EE | 201 | 52 | 1 | 48 | 740 | -- | -- |
| M491 78N 59+00EE | 201 | 21 | 5 | 350 | 640 | -- | -- |
| M491 78N 59+50EE | 201 | 51 | 1 | 68 | 840 | -- | -- |
| M491 78N 60+00EE | 201 | 26 | 1 | 172 | 650 | -- | -- |
| M491 78N 60+50EE | 201 | 17 | 1 | 485 | 580 | -- | -- |
| M491 78N 61+00EE | 201 | 26 | 1 | 175 | 700 | -- | -- |
| M491 78N 61+50EE | 201 | 24 | 1 | 105 | 640 | -- | -- |
| M491 78N 62+00EE | 201 | 17 | 4 | 185 | 980 | -- | -- |

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CANADA V7J 2C1
TELEPHONE: (604)984-0221
TELEX: 043-52597

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8112988-001-A
INVOICE # : 18112988
DATE : 17-AUG-81
P.O. # : S6809
M491

C/C W.A. HOWELL ATTN: B. ARSCOTT

| Sample description | Prep code | Cu ppm | Pb ppm | Zn ppm | Ba ppm | | |
|--------------------|-----------|--------|--------|--------|--------|----|----|
| M491 SM 95 | 205 | 63 | 2 | 118 | 980 | -- | -- |
| M491 SM 97 | 205 | 67 | 1 | 77 | 1600 | -- | -- |
| M491 SM 131 | 205 | 299 | 3 | 11 | 520 | -- | -- |
| M491 SM 138A | 205 | 6 | 2 | 4 | 180 | -- | -- |
| M491 SM 138B | 205 | 3 | 6 | 42 | 180 | -- | -- |
| M491 SM 138C | 205 | 2 | 28 | 6 | 480 | -- | -- |
| M491 SM 144 | 205 | 11 | 4 | 66 | 530 | -- | -- |
| M491 SM 147 | 205 | 72 | 6 | 110 | 700 | -- | -- |
| M491 SM 198 | 205 | 184 | >10000 | >10000 | >10000 | -- | -- |
| M491 SM 199 | 205 | 6 | 153 | 2250 | >10000 | -- | -- |
| M491 SM 200 | 205 | 29 | 5100 | 6150 | 10000 | -- | -- |
| M491 PF 114 | 205 | 8 | 155 | 330 | 2400 | -- | -- |
| M491 PF 120 | 205 | 3 | 38 | 48 | 580 | -- | -- |
| M491 PF 125 | 205 | 23 | 14 | 24 | 260 | -- | -- |
| M491 TS 233 | 205 | 6 | 16 | 89 | 260 | -- | -- |
| M491 TS 236 | 205 | 5 | 7 | 50 | 300 | -- | -- |
| M491 TS 238 | 205 | 39 | 9 | 56 | 480 | -- | -- |
| M491 TS 269 | 205 | 12 | 15 | 153 | 580 | -- | -- |
| M491 TS 279 | 205 | 3 | 19 | 165 | 1240 | -- | -- |

Certified by *Hart Biddle*



MEMBER
CANADIAN TESTING
ASSOCIATION



LEGEND

- | | |
|---|---|
| 1 WESTERN ANDESITIC LAPILLI TUFFS AND TUFFS | 14 GREY LIMESTONE |
| 2 DARK GREY TUFF | 14a LIMEY SEDIMENTS |
| 3 PURPLE GREEN LAPILLI TUFF | 15 S.E. RHYOLITE |
| 3a S.W. SEDIMENTS | 15a S.E. THE START OF ANOTHER RHYOLITE UNIT |
| 4 WISPY CHLORITE UNIT | 16 ANDESITE LAPILLI TUFF |
| 5 RHYOLITE | 17 COTTAGE CHEESE LAPILLI TUFF |
| 6 PURPLE ARKOSE | 18 RHYOLITE DYKE AND FLOWS |
| 7 GREEN GRIT | 19 RHYOLITE MUD |
| 8 ANDESITE LAPILLI TUFFS | 20 PURPLE ANDESITE BRECCIA |
| 9 ANDESITE FLOWS AND TUFFS | 21 RED LIMESTONE |
| 10 SEDIMENTS AND TUFF | 22 NORTH LIMESTONE |
| 11 NORTH SEDIMENTS | D DIORITE |
| 12 LIGHT GREEN SILICEOUS TUFF | J JASPER |
| 13 RED SILSTONE | V VOLCANIC VENT |

PART
1 & 2 10, 114



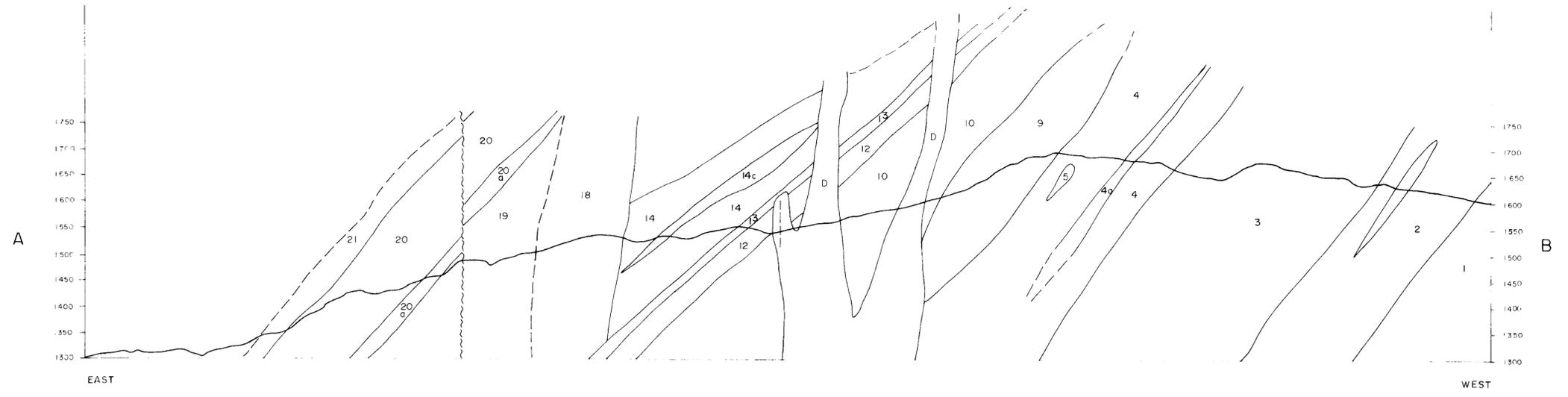
Chevron Standard Limited
Minerals Staff

IRON MOUNTAIN GEOLOGY

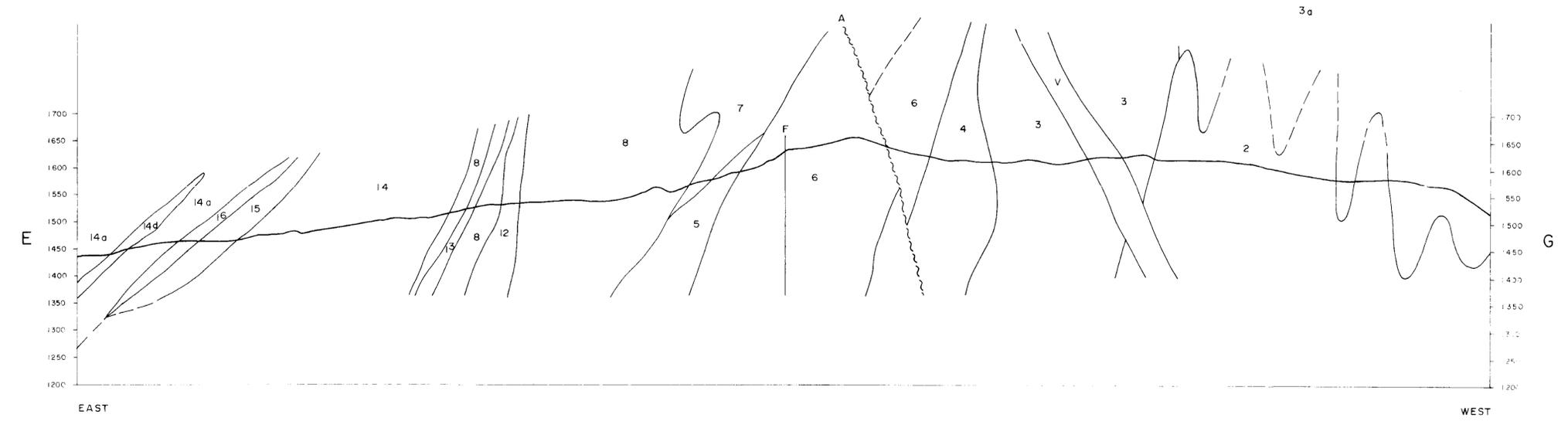
MAPPED BY:
MARK BREWSTER
SANDY MCALISTER
TIM SANDBERG

BRUCE COATES
COLIN BRADLEY
PAUL FAGERLUND

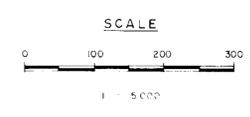
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|------------|--------|
| 2 | M 491 |
| 4 NOV 1981 | 1:5000 |
| 92 112 | G-1 |
| M. B. | |



CROSS SECTION A-B



CROSS SECTION E-G

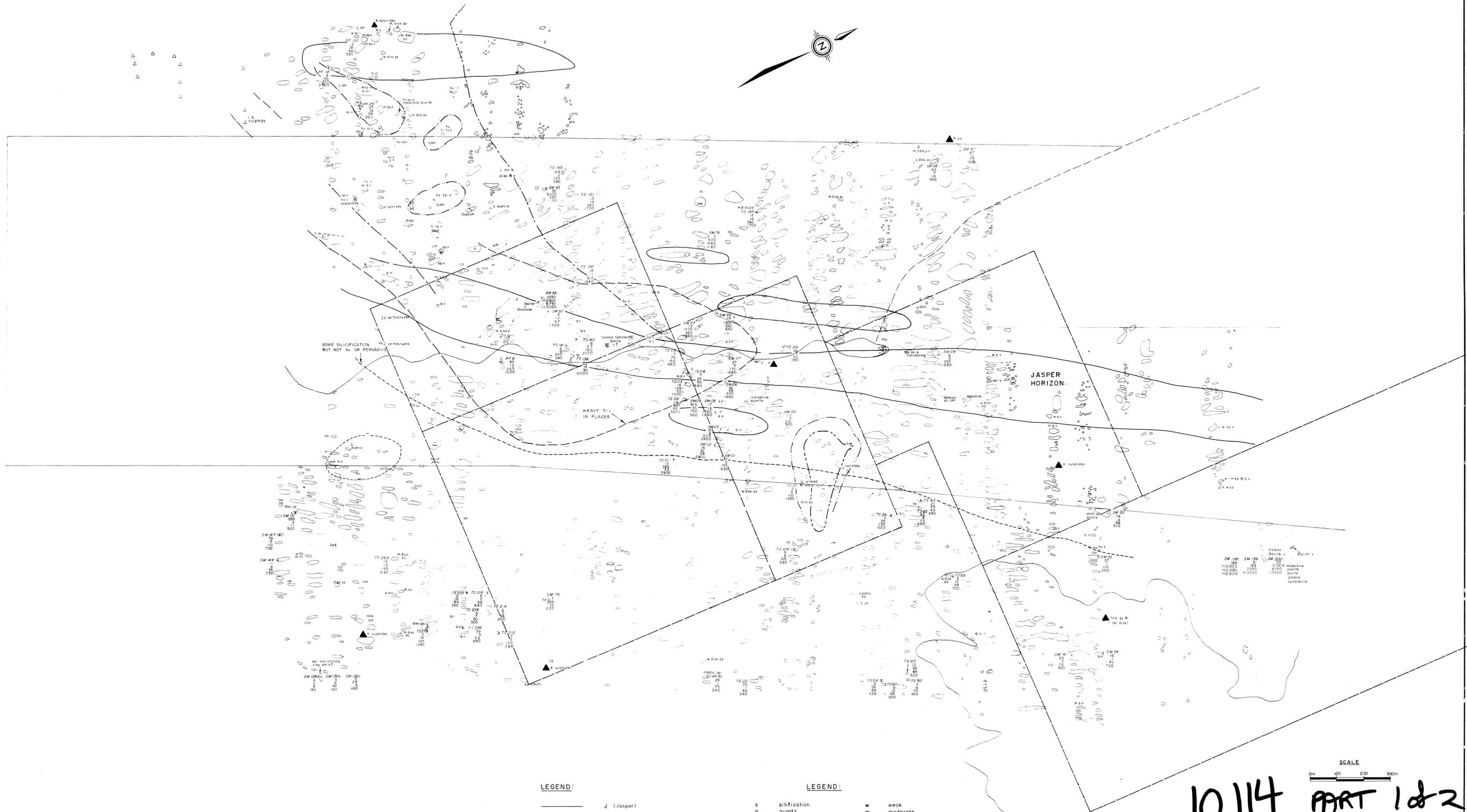


NOTE: For Rock Types see Legend on GEOLOGY MAP.

PART
1 of 2 10,114

| | |
|---|-------------------|
| Chevron Standard Limited Minerals Staff | |
| IRON MOUNTAIN CROSS SECTION A-B, E-G. | |
| FIGURE No. 3 | PROJECT No. M 491 |
| DATE NOV 5, 1981 | REVISIONS |
| NTS No. 92 1/2 | FILE No. G-2 |
| COMPILED BY M.B. | |

S. L. BRADY, L.C.C.



- LEGEND:**
- J (Jasper)
 - - - Sil. Ser (Silicification, Sericitization)
 - D (Diorite)
 - - - Sp v. (Specularite veining)
 - h.sil (Heavy silicification)
 - - - w.m.sil (weak to moderate silicification)

- LEGEND:**
- s silicification
 - q quartz
 - py pyrite
 - cp chalcopyrite
 - h hematite
 - ser sericite
 - sp specularite
 - v vein
 - ▲ K fragmental
 - w weak
 - m moderate
 - hv strong
 - l local
 - () trench
 - x rock sample
 - 28 Cu
 - l Pb
 - 75 Zn
 - 380 Ba

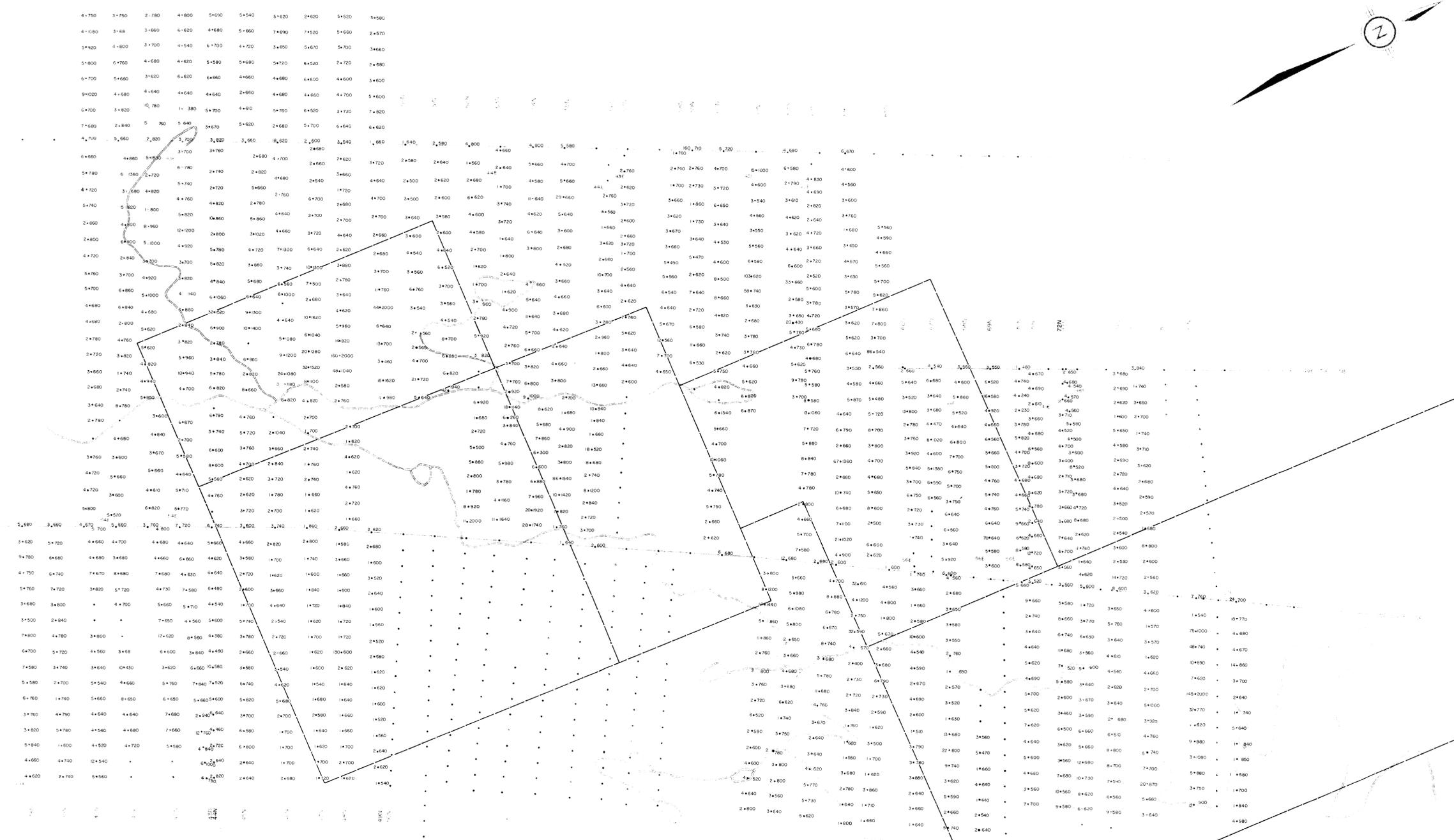
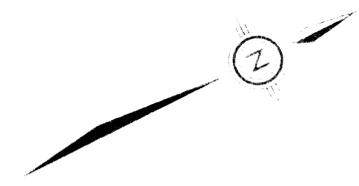
SCALE
0m 100 200 300m

10,114 PART 1 of 2

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IRON MTN.
ALTERNATIONS, JASPER HORIZON
VENING & CLASTIC SULPHIDES

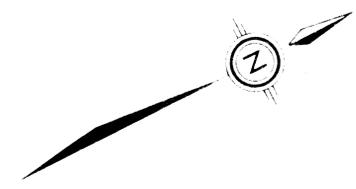
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|------------------|------------------|
| FIGURE No 4 | PROJECT No M 491 |
| DATE NOV 9, 1961 | SCALE 1:5 000 |
| REV 92 1/2 | |
| BY M.B. | 63 |



10114 PART 1082



| | | | |
|------------------------------|-------------------|--|-------|
| CHEVRON STANDARD LIMITED | | | |
| IRON MOUNTAIN | | | |
| GEOCHEMISTRY Pb.ppm. Ba.ppm. | | | |
| Project No. 5 | PROJECT No. M 491 | | |
| NOV 81 | | | 15000 |
| 92 1/2 | | | |
| MB | | | C-1 |



10,114 PART 1 of 2

LEGEND
Zn • Cu
ppm

| | |
|--|------------------|
| Chevron Standard Limited Minerals Staff | |
| GEOCHEMICAL Cu,Zn IRON MOUNTAIN | |
| 6 | PROJECT No. M491 |
| 92/112 | SCALE 1:5 000 |
| M.B. | FILE No. C2 |



LEGEND

- | | |
|---|---|
| 1 WESTERN ANDESITIC LAPILLI TUFFS AND TUFFS | 14 GREY LIMESTONE |
| 2 DARK GREY TUFF | 14a LIMEY SEDIMENTS |
| 3 PURPLE GREEN LAPILLI TUFF | 15 S.E. RHYOLITE |
| 3a S.W. SEDIMENTS | 15a S.E. THE START OF ANOTHER RHYOLITE UNIT |
| 4 WISPY CHLORITE UNIT | 16 ANDESITE LAPILLI TUFF |
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| 6 PURPLE ARKOSE | 18 RHYOLITE DYKE AND FLOWS |
| 7 GREEN GRIT | 19 RHYOLITE MUD |
| 8 ANDESITE LAPILLI TUFFS | 20 PURPLE ANDESITE BRECCIA |
| 9 ANDESITE FLOWS AND TUFFS | 21 RED LIMESTONE |
| 10 SEDIMENTS AND TUFF | 22 NORTH LIMESTONE |
| 11 NORTH SEDIMENTS | D DIORITE |
| 12 LIGHT GREEN SILICEOUS TUFF | J JASPER |
| 13 RED SILSTONE | V VOLCANIC VENT |

PART
1 & 2 10, 114



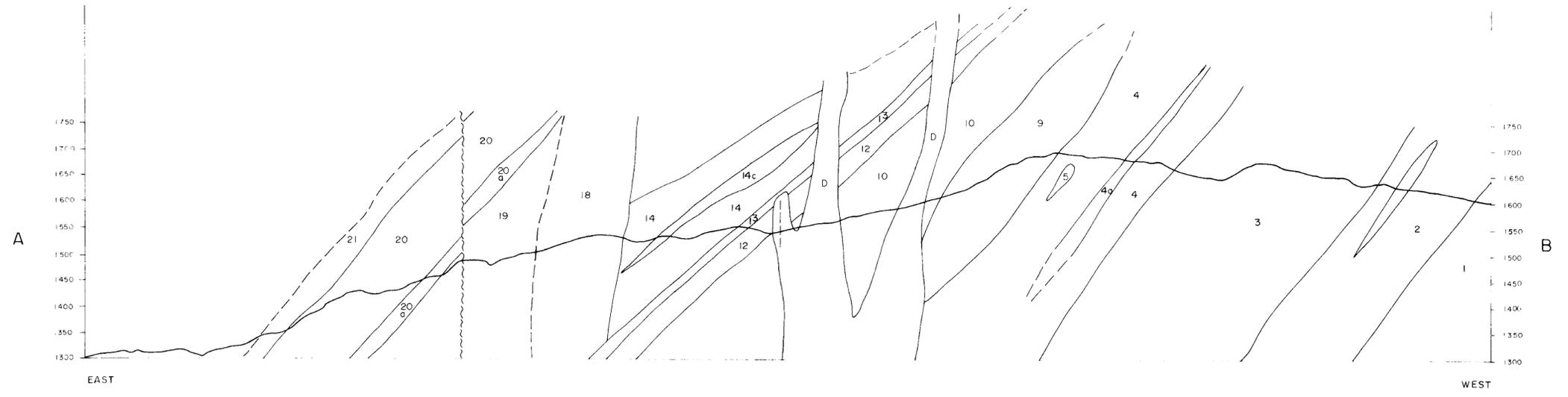
Chevron Standard Limited
Minerals Staff

IRON MOUNTAIN GEOLOGY

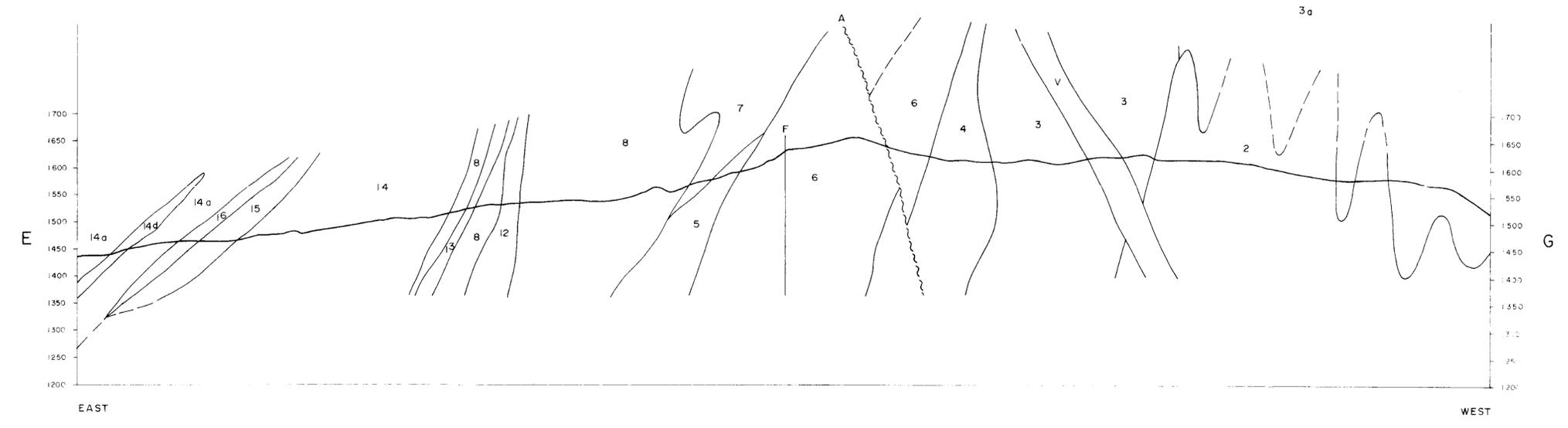
MAPPED BY:
MARK BREWSTER
SANDY MCALISTER
TIM SANDBERG

BRUCE COATES
COLIN BRADLEY
PAUL FAGERLUND

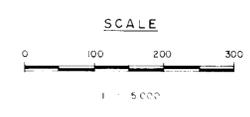
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|------------|--------|
| 2 | M 491 |
| 4 NOV 1981 | 1:5000 |
| 92 112 | G-1 |
| M. B. | |



CROSS SECTION A-B



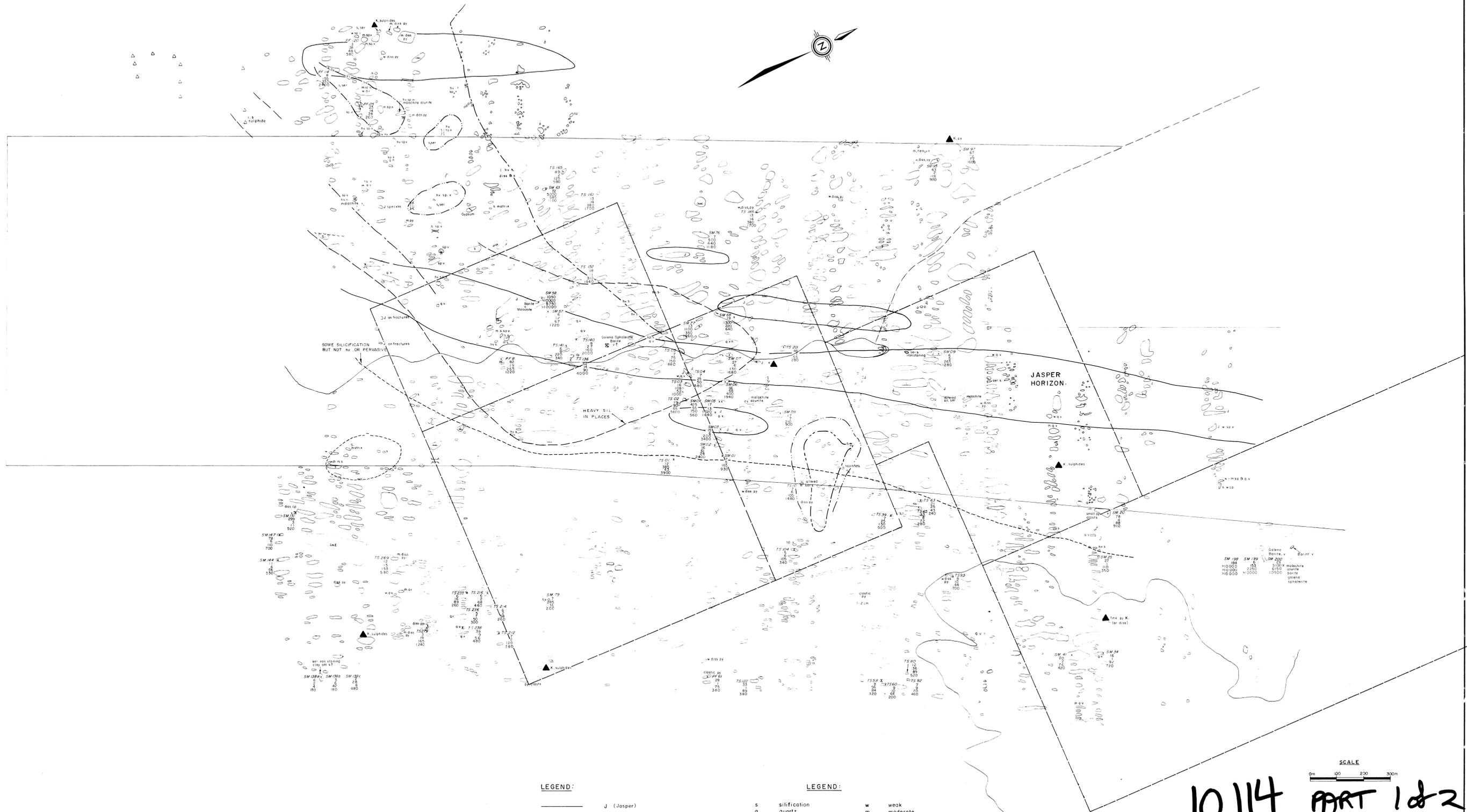
CROSS SECTION E-G



NOTE: For Rock Types see Legend on GEOLOGY MAP.

PART 1 of 2 10,114

| | |
|---|-------------------|
|  Chevron Standard Limited Minerals Staff | |
| IRON MOUNTAIN CROSS SECTION A-B, E-G. | |
| FIGURE No. 3 | PROJECT No. M 491 |
| DATE NOV 5, 1981 | REVISIONS |
| NTS No. 92 1/2 | FILE No. G-2 |
| COMPILED BY M.B. | |



LEGEND:

- J (Jasper)
- - - Sil. Ser (Silicification, Sericitization)
- D (Diorite)
- - - Sp v. (Specularite veining)
- h.sil (Heavy silicification)
- - - w.m.sil (weak to moderate silicification)

LEGEND:

- s silicification
- q quartz
- py pyrite
- cp chalcopyrite
- h hematite
- ser sericite
- sp specularite
- v vein
- ▲ K fragmental
- w weak
- m moderate
- hv strong
- l local
- () trench
- x rock sample
- 28 Cu
- l Pb
- 75 Zn
- 380 Ba

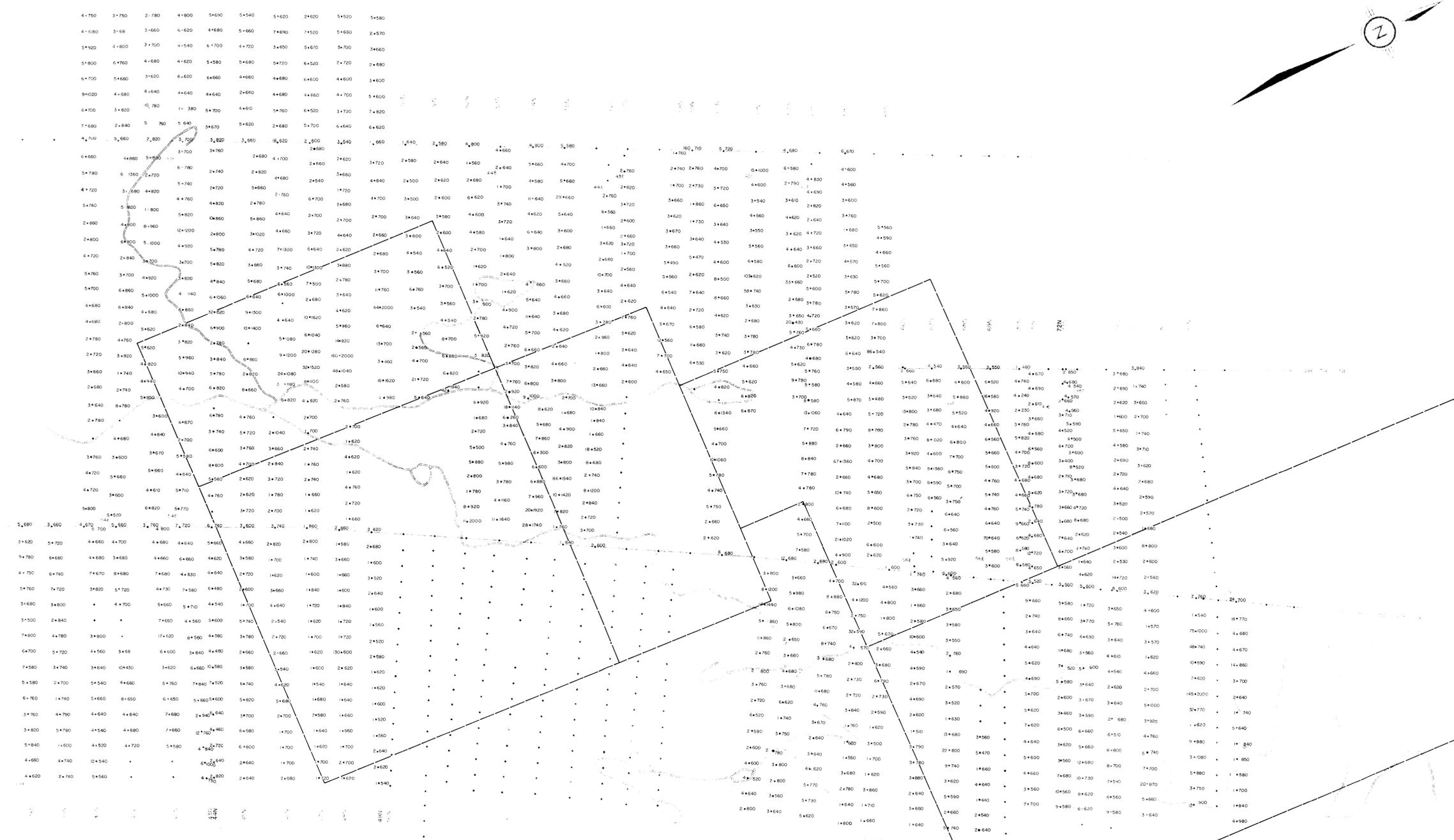
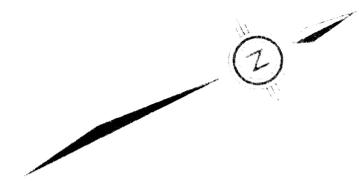
SCALE
0m 100 200 300m

10,114 PART 1 of 2

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IRON MTN.
ALTERNATIONS, JASPER HORIZON
VENING & CLASTIC SULPHIDES

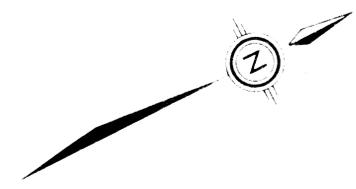
| | |
|------------------|------------------|
| FIGURE No 4 | PROJECT No M 491 |
| DATE NOV 9, 1961 | SCALE 1:5 000 |
| REV 92 1/2 | |
| BY M.B. | 63 |



10114 PART 1082



| | | | |
|------------------------------|-------------------|--|-------|
| CHEVRON STANDARD LIMITED | | | |
| IRON MOUNTAIN | | | |
| GEOCHEMISTRY Pb.ppm. Ba.ppm. | | | |
| Sheet No. 5 | Project No. M 491 | | |
| NOV 81 | | | 15000 |
| 92 1/2 | | | |
| MB | | | C-1 |



10,114 PART 1 of 2

LEGEND
Zn • Cu
ppm

| | |
|--|------------------|
| Chevron Standard Limited Minerals Staff | |
| GEOCHEMICAL Cu,Zn IRON MOUNTAIN | |
| 6 | PROJECT No. M491 |
| 92/112 | SCALE 1:5 000 |
| M.B. | FILE No. C2 |