

# 5214

HUDSON'S BAY OIL AND GAS COMPANY LIMITED

## 93E/14W

93E/14W 5214

REPORT  
ON  
PERCUSSION DRILLING PROGRAMME

SLIDE NO. 1 GROUP

by

D.B. Kilby  
October 21, 1974

CLAIMS: Slide Mineral Claims 9-18, 29-38

LOCATION: Omineca Mining Division  
Sixty miles southwest of Houston, B.C.  
Latitude 53°47'N Longitude 127°07'W  
NTS 93 E/14

DATES: July 3 to October 9, 1974.

Department of  
Mines and Petroleum Resources  
ASSESSMENT REPORT

NO. 5214 MAP

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STATEMENT OF COSTS INCURREDI ROAD CONSTRUCTION

Bulldozer work was contracted to Claude Perreault, P.O. Box 2677, Smithers, B.C. Slash cutting was done by company personnel.

Costs of road construction on Slide No. 1 Group are as follows:

30 hours of D-6 bulldozer work at \$25/hour	\$ 750.00
6 man days at \$50/day	300.00
Slash cutting - 5 man days at \$75/day	375.00
4 man days at \$50/day	200.00
Room and board - 19 man days at \$15/day	285.00
Vehicle rental and operation - 5 days at \$20/day	100.00
	<u>\$2,015.00</u>

II PERCUSSION DRILLING

Percussion drilling was contracted to L & L Drilling and Explorations Ltd., Box 43 Cache Creek, B.C.

Costs of percussion drilling on Slide No. 1 Group are as follows:

635 feet of percussion drilling at \$2.70/foot	\$1,714.50
2 days rental on water truck at \$30/day	60.00
	<u>\$1,774.50</u>

III GEOCHEMICAL ANALYSIS

Geochemical analysis of the percussion drill cuttings was done by Vancouver Geochemical Laboratories, 1521 Pemberton Avenue, North Vancouver, B.C.

Costs of analysis on percussion drill samples from the Slide No. 1 Group are as follows:

28 samples	\$ 117.60
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IV PLANNING, REPORT PREPARATION AND SUPERVISION

The drilling programme layout, planning and supervision was conducted by G.I. Hall

Drill supervision: 2 days at \$100/day	200.00
Report preparation: 2 days at \$75/day	150.00
	<u>\$ 350.00</u>

V LIST OF PERSONNEL

<u>Name</u>	<u>Position</u>	<u>Days on Project</u>	<u>Rate</u>
G.I. Hall	Geologist	Oct. 6,9	\$100/day
D.B. Kilby	Geologist	Sept. 26,27 Oct. 1,2,3,5,6 18, 21	\$75/day
E.A. Schink	Temporary Geologist	Sept. 26, Oct. 2,3, 6	\$50/day
C. Perreault	Bulldozer Operator	Sept. 26,27, Oct. 1, 2	Contractor
M.L. Legros	Technician	July 11,12,13	\$50/day
J. Valentinuzzi	Student Assistant	July 11,12,13	\$50/day
Lorne Spence	Driller	Oct. 6,9	Contractor
Wendell Clarke	Driller's Helper	Oct. 6,9	Contractor

LIST OF CLAIMS AND DISTRIBUTION OF WORKSLIDE NO. 1 GROUP

Claim No.	Record No.	Record Date	Years of Work Applied
Slide No. 9	129678	October 24	1
10	79	"	1
11	80	"	1
12	81	"	1
13	82	"	1
14	83	"	1
15	84	"	1
16	85	"	1
17	86	"	1
18	87	"	1
Slide No. 29	129698	"	1
30	99	"	1
31	129700	"	1
32	01	"	1
33	02	"	1
34	03	"	1
35	04	"	1
36	05	"	1
37	06	"	1
38	129707	"	1

## INTRODUCTION:

### General Statement

The Slide No. } Group is comprised of Slide Nos. 7-18 and 27-38 inclusive. The claims are owned by Hudson's Bay Oil and Gas Company Limited, 171 Pemberton Avenue, North Vancouver, B.C. Exploration work in 1974 consisted of a percussion drill programme under the supervision of G.I. Hall.

### Location

The property is located at 53°51'N latitude, 127°15'W longitude about sixty miles southwest of Houston, B.C. The claims are located on the northern flank of the Sibola Mountains about seven and one-half miles west of Twinkle Lake.

### Access

Access is via sixty miles of gravel road from Houston, B.C. to Twinkle Lake, then by nine miles of four-wheel drive road west to the test area. Access to the drill sites is provided by approximately eight thousand feet of rough dry weather track.

### Physiography

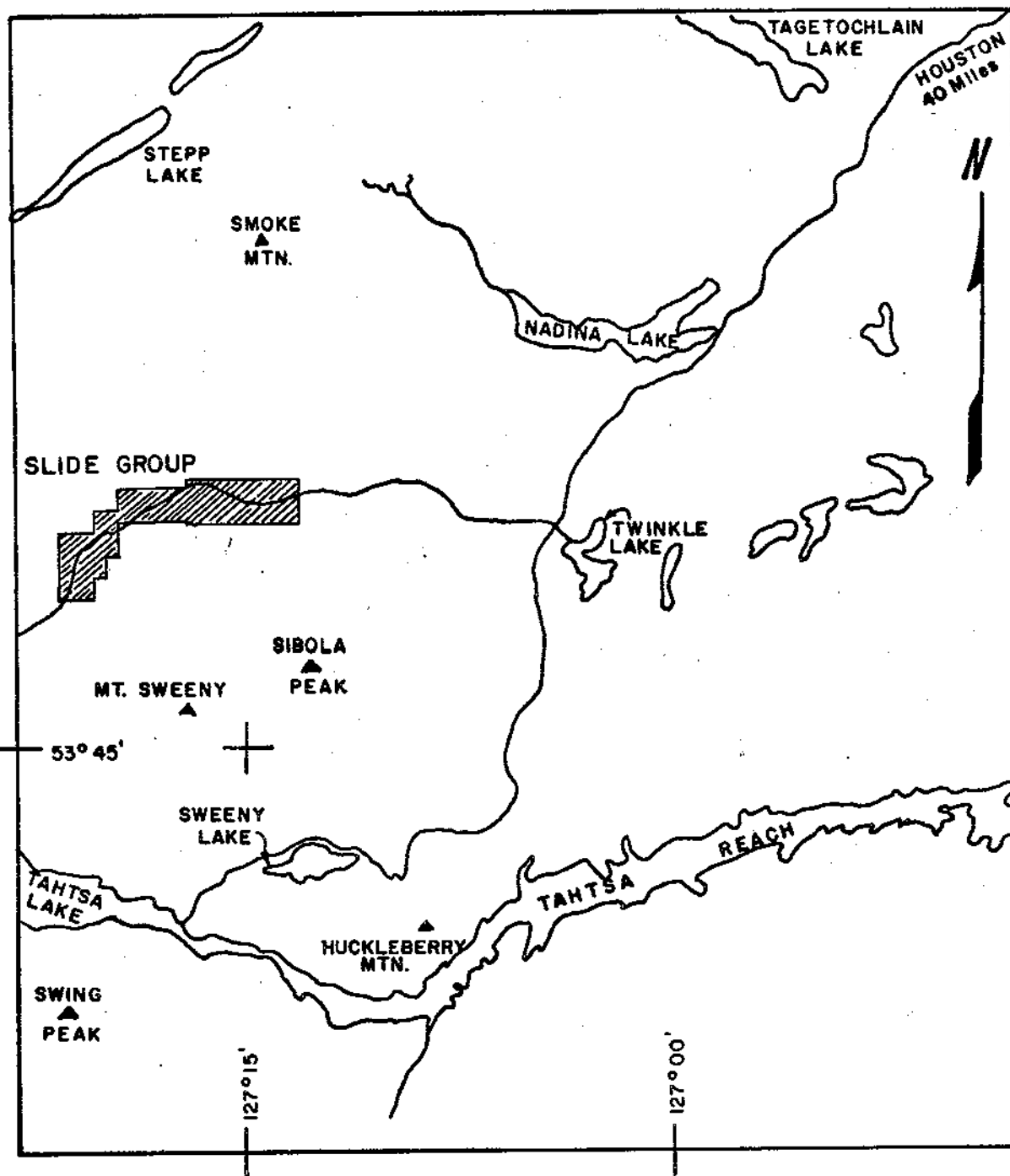
The claims are located on an outwash fan on the northern flank of the Sibola Mountain Range. Overburden depths range from eighty feet to in excess of one hundred feet. Outcrop on the property is virtually non-existent.

Vegetation is predominantly open stands of large, overmature spruce and balsam with some pine in the drier areas. Undergrowth is generally thin.

## PERCUSSION DRILLING PROGRAMME:

### Equipment and Sampling Procedure

Equipment used by L & L Drilling and Exploration Limited consisted of a truck mounted, compressed air percussion drill with a two inch bore. Water was used as a cooling medium during drilling. A water truck was used to supply water for the drilling. Drill sites and access roads had been cleared by D-6 bulldozer under rental agreement from Claude Perreault of Smithers, B.C.



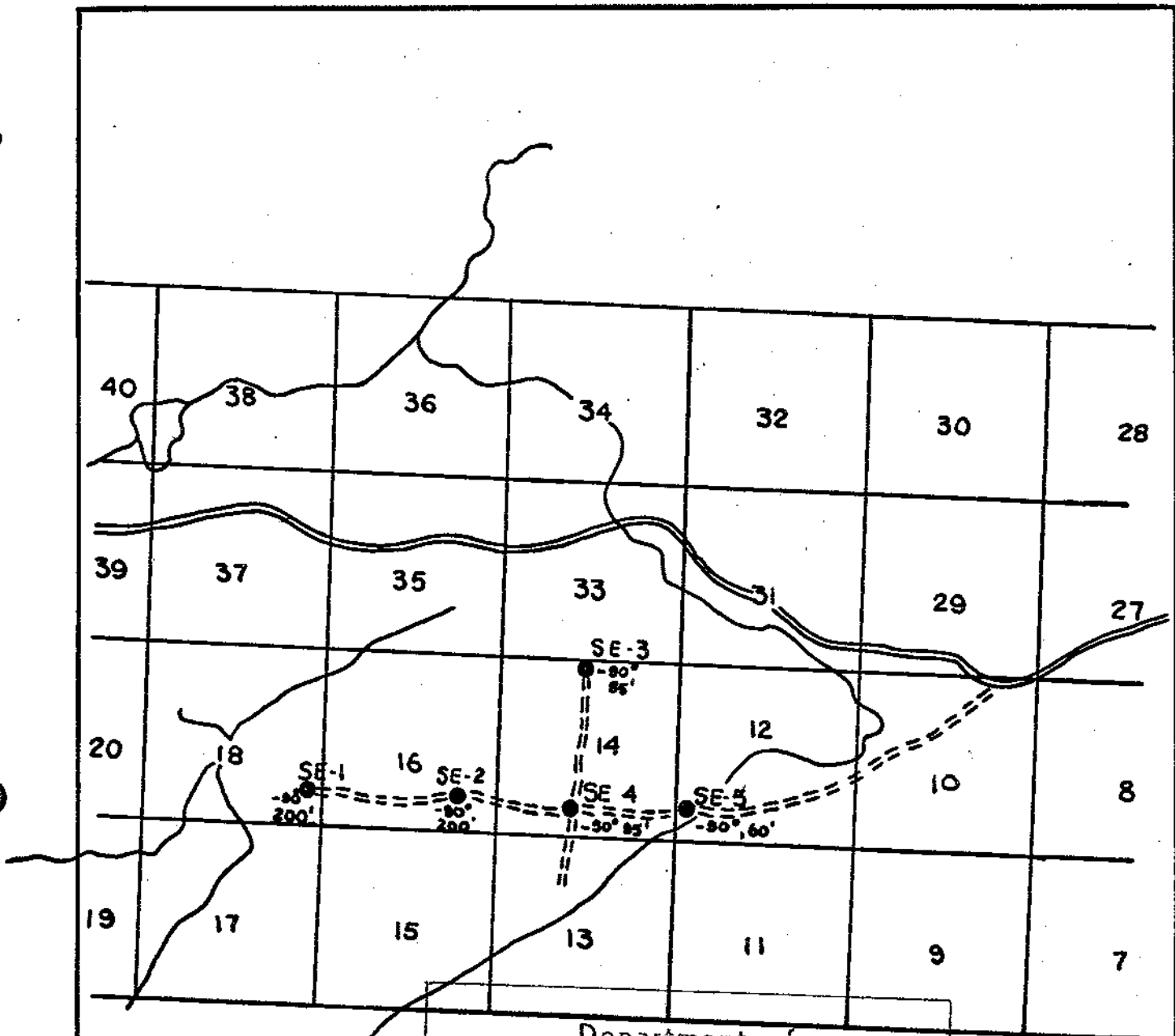
Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. **5214** MAP **#1**

**Hudson's Bay Oil and Gas Company Limited**  
 MINERALS EXPLORATION  
 VANCOUVER BRITISH COLUMBIA

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TAHTSA PROJECT  
 LOCATION MAP  
 SLIDE CLAIMS

MAP	DATE	BY	SCALE	N.T.S.
FIG. 1	OCT. 22, 74	M. L. L.	1: 250,000	93 E 14



Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. **5214** MAP **#2**

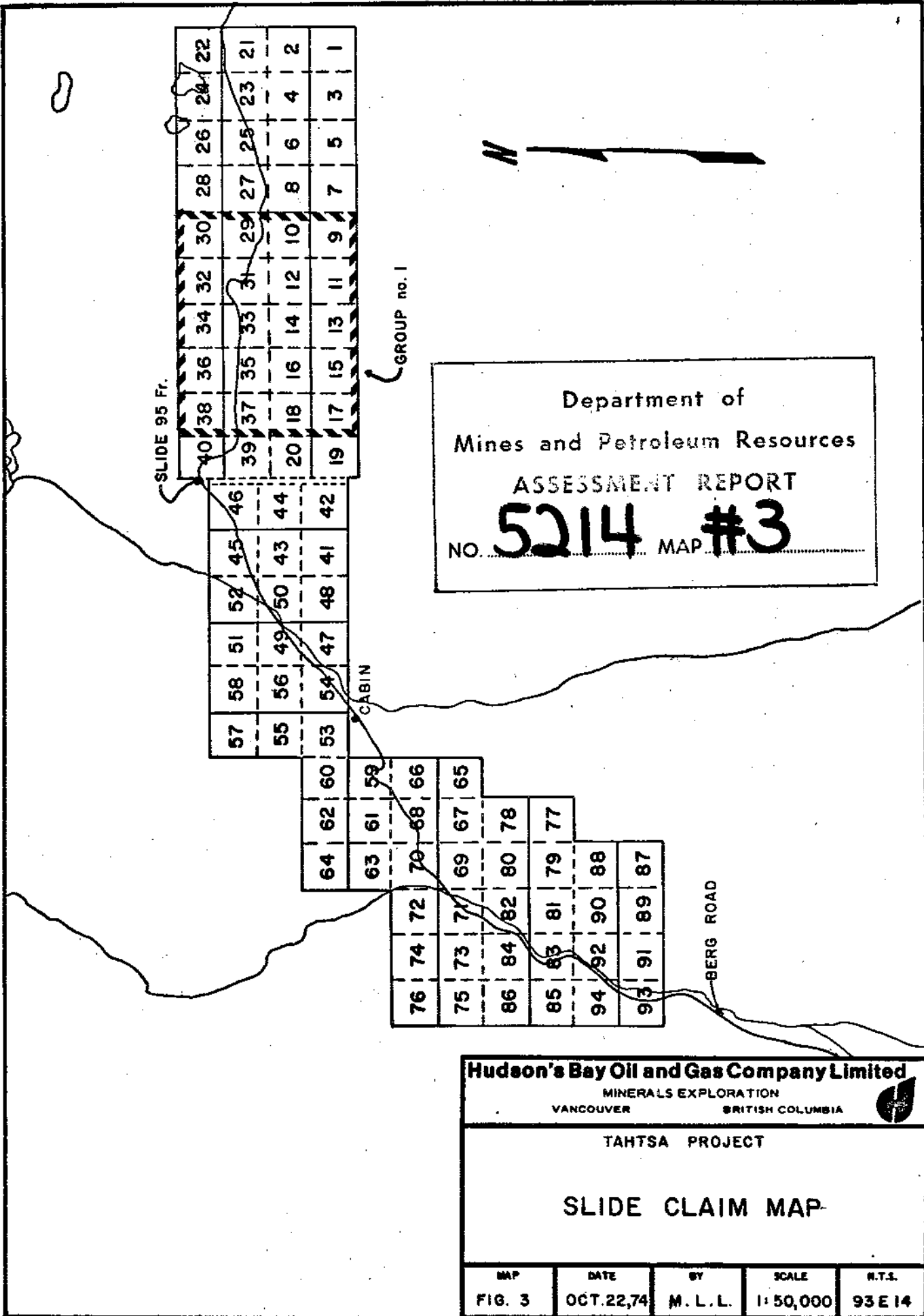


**Hudson's Bay Oil and Gas Company Limited**  
 MINERALS EXPLORATION  
 VANCOUVER BRITISH COLUMBIA

PERCUSSION DRILL HOLE LOCATIONS  
 SLIDE CLAIMS

MAP FIG. 2	DATE OCT. 1974	BY DBK	SCALE 1" = 1/4 MI	N.T.S. 93E/14
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Department of  
 Mines and Petroleum Resources  
 ASSESSMENT REPORT  
 NO. **5214** MAP **#3**

**Hudson's Bay Oil and Gas Company Limited**  
 MINERALS EXPLORATION  
 VANCOUVER BRITISH COLUMBIA

TAHTSA PROJECT

**SLIDE CLAIM MAP**

MAP	DATE	BY	SCALE	N.T.S.
FIG. 3	OCT. 22, 74	M. L. L.	1: 50,000	93 E 14

Samples of drill cuttings were collected for each ten foot run by means of a classifier which separated one-eighth of the total cuttings for each ten foot run. The samples were placed in marked plastic bags and allowed to settle until the majority of fines were no longer visible. The excess water was decanted and a representative sample of the cuttings was obtained for further examination before final packaging was completed for delivery to the analytical laboratory.

### Analysis

The percussion drill cuttings were analysed by atomic absorption methods at Vancouver Geochemical Laboratories. Samples were tested for copper, molybdenum, lead, zinc and silver. The sample preparation and analytical procedure is given in Appendix II.

### Results and Conclusions

Only two of five holes drilled reached bedrock. Base metal contents of the two complete holes were uniformly low. The percussion drill programme was inconclusive. Further testing is required to establish whether a buried mineralized intrusive is present.

*David B. Kilby*

D.B. Kilby

DBK:kd1

APPENDIX I



# L & L DRILLING and EXPLORATIONS LTD.

Box 43, Cache Creek, B.C. Phone 457-9969 (Evenings)

October 19, 1974

**RECEIVED**

OCT 22 1974

HUDSON'S BAY  
OIL & GAS CO. LTD.

Mr. Kenneth C. Rose,  
Manager-Western Division,  
Minerals Exploration Dept.,  
Hudson's Bay Oil & Gas Company Ltd.,  
171 Pemberton Ave.,  
North Vancouver, B.C.

Dear Mr. Rose;

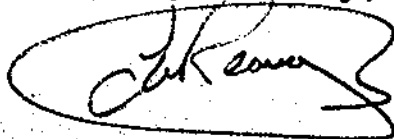
The following is a statement of our account for percussion drilling on your claim group near Twinkle Lake, B.C. during the period Oct. 1 to Oct. 16, 1974;

Hole No.	Bedrock Depth	Feet Cased	Total Depth	
P56	45	30	195'	} Sylvia + 4 days on water truck.
P57	75	30	200'	
P58	20	20	230'	
P59	10	10	230'	
P510	-	50'	65'	
P SE1	110	40	200'	} Slide No. 1 Group + 2 days on water truck.
P SE2	140	60	200'	
P SE3	-	50	85'	
P SE4	-	70'	95'	
P SE5	-	50	55'	
P SW1	45	20	120'	} Pam Group.
P SW2	78	20	80'	
P SW3	50	50	70'	
P 15	10	10	230'	
P 16	10	10	230'	
P 17	70	40	230'	
P 18	-	40	70'	
			245'	
Oct. 15 and 16 drill results phoned in			2830'	

2830 at 2.70 per foot \$ 7,641.00  
 Water truck 13 days at 30.00 per day 390.00  
 Travelling time 1½ hrs./man at 6.00 per hr. 18.00  
 Pulling stuck casing Oct. 14/74 2 hrs. at 32.00/hr 64.00  
 Invoice dated Oct. 3, 1974 7,098.00

\$ 15,211.00

Yours truly,



NECO DRILLING LIMITED

WESTERN DIVISION
CHARGE TO:
VERIFIED BY:
FINAL APPROVAL:



VANGEOCHEM LAB LTD.

604-988-2172

1521 PEMBERTON AVE., NORTH VANCOUVER, B.C.  
CANADA

IN ACCOUNT WITH:

Hudson's Bay Oil and Gas,  
171 Pemberton Avenue,  
North Vancouver, B. C.

INVOICE: 3160

DATE: October 16, 1974

TERMS: NET 21 DAYS

FOR REPORT 74-46-014  
Job # 74-274

PROJECT: Tahtsa 4030

ORDER NO.

<i>Drill cut</i>		
42 rock samples for preparation	@ \$ 1.00 ✓	\$ 42.00
42 geochem analyses for Mo, Cu, Pb, Zn, Ag	@ \$ 2.80 ✓	117.60
		\$ <u>159.60</u>
Plus shipping charges as per attached waybill # E910012		<u>16.80</u> ✓
	Total	\$ <u>176.40</u> ✓

17	Samples	Sylvia	\$ 58.80
28	sample	Slide	\$ 117.60

APPENDIX II

# Vancouver Geochemical Laboratories Ltd.

1521 PEMBERTON AVENUE NORTH VANCOUVER, B.C., CANADA TELEPHONE: 604-988-2171

J. R. WOODCOCK  
CONWAY CHUN

**TO:**

Hudson's Bay Oil & Gas Co. Ltd.,  
171 Pemberton Avenue,  
North Vancouver, B.C.

**FROM:**

Mr. Laurie Nicol, Supervisor Chemist  
Vancouver Geochemical Laboratories Ltd.  
1521 Pemberton Avenue  
North Vancouver, B. C.

**SUBJECT:** Analytical procedure used to process acid soluble molybdenum in geochemical samples received from

1. Sample Preparation

- (a) Geochemical soil, silt and rock samples were received in the laboratory in wet-strength  $3\frac{1}{2}$  x  $6\frac{1}{2}$  Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted, using an 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.
- (d) The dried rock samples were crushed and pulverized to minus 80-mesh. The pulverized sample was then put in a new bag for later analysis.

2. Methods of Digestion

- (a) 1.00 gram or 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).

Continued . . . .



2. Methods of Digestion (Continued)

(c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Molybdenum analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 with a molybdenum hollow cathode lamp. The digested samples were aspirated directly into a nitrous oxide acetylene flame. The results were read out on a Photovolt Varicord Model 43 chart recorder. The molybdenum values, in parts per million, were calculated by comparing a set of molybdenum standards.

4. The analyses were supervised or determined by Mr. Conway Chun, or Mr. Laurie Nicol and their laboratory staff.



L.J. Nicol

VANCOUVER GEOCHEMICAL LABORATORIES LTD.

LJN/ati



VANGEOCHEM LAB LTD. 1521 PEMBERTON AVE., NORTH VANCOUVER, B.C., CANADA 604-988-2172

**TO:**

Hudson's Bay Oil & Gas Co. Ltd.,  
171 Pemberton Avenue,  
North Vancouver, B.C.

**FROM:**

Mr. Laurie Nicol, Supervisor Chemist,  
Vangeochem Lab Ltd.,  
1521 Pemberton Avenue,  
North Vancouver, B. C.

**SUBJECT:**

Analytical procedure used to determine acid soluble  
Cu, Pb, Zn & Ag in geochemical samples received from

1. Sample Preparation

- (a) Geochemical rock, soil, or silt samples were received in the laboratory in 8" x 13" plastic sample bags, in 4½" x 9" cotton mailing bags or in wet-strength 3½ x 6½ Kraft paper bags.
- (b) The wet samples were dried in a ventilated oven.
- (c) The dried soil and silt samples were sifted by using a shaking machine using an 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.
- (d) The dried rock samples were crushed and pulverized to minus 80-mesh. The pulverized sample was then put in a new bag for later analysis.

Continued . . . . .

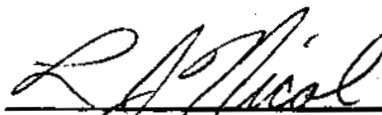
2. Methods of Digestion

- (a) 0.50 gram of the minus 80-mesh samples was used. Samples were weighed out by using a top-loading balance.
- (b) Samples were heated in a sand bath with nitric and perchloric acids (15% to 85% by volume of the concentrated acids respectively).
- (c) The digested samples were diluted with demineralized water to a fixed volume and shaken.

3. Method of Analysis

Cu, Pb, Zn & Ag analyses were determined by using a Techtron Atomic Absorption Spectrophotometer Model AA4 or Model AA5 with their respective hollow cathode lamp. The digested samples were aspirated directly into an air and acetylene flame. The results, in parts per million, were calculated by comparing a set of standards to calibrate the atomic absorption unit.

- 4. The analyses were supervised or determined by Mr. Conway Chun, or Mr. Laurie Nicol and their laboratory staff.



L. J. Nicol

VANGEOCHEM LAB LTD.

LJN/bjs

APPENDIX III

HUDSON'S BAY OIL & GAS COMPANY LIMITED

D R I L L L O G

HOLE NO. 74 SE-1 TYPE PERCUSSION PROPERTY SLIDE

LOCATION on SLIDE 18 Claim, 250 feet NNW of #1 Post

BEGAN October 5, 1974 COMPLETED October 5, 1974 DEPTH 200'

ANGLE -90° SAMPLES LOGGED BY G.I. Hall DATE October 16, 1974

INTERVAL	LITHOLOGY	ALTERATION	A S S A Y				
			Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
0-20 feet	Casing						
20-30	Overburden		36	4	30	160	1.2
30-40	"		45	4	32	145	1.4
40-50	"		30	3	25	100	1.4
50-60	"		27	3	25	92	1.2
60-70	"		35	3	25	100	1.2
70-80	"		31	2	22	95	1.1
80-90	"		30	2	20	76	0.8
90-100	"		30	2	20	75	0.9
100-110	"		38	2	20	74	1.2
110-120	Bedrock		56	3	20	75	1.3
120-130	"		65	3	40	160	1.8
130-140	"		54	4	62	130	2.0
140-150	"		72	3	35	112	1.6
150-160	"		80	2	24	80	1.4
160-170	"		95	4	20	70	1.6
170-180	"		100	2	32	82	1.2
180-190	"		93	3	87	126	1.4
190-200	"		85	3	40	87	1.8
	END OF HOLE						









