

MAR 19680048: NORTHERN ALBERTA

Received date: Dec 31, 1968

Public release date: Jan 01, 1970

DISCLAIMER

By accessing and using the Alberta Energy website to download or otherwise obtain a scanned mineral assessment report, you ("User") agree to be bound by the following terms and conditions:

- a) Each scanned mineral assessment report that is downloaded or otherwise obtained from Alberta Energy is provided "AS IS", with no warranties or representations of any kind whatsoever from Her Majesty the Queen in Right of Alberta, as represented by the Minister of Energy ("Minister"), expressed or implied, including, but not limited to, no warranties or other representations from the Minister, regarding the content, accuracy, reliability, use or results from the use of or the integrity, completeness, quality or legibility of each such scanned mineral assessment report;
- b) To the fullest extent permitted by applicable laws, the Minister hereby expressly disclaims, and is released from, liability and responsibility for all warranties and conditions, expressed or implied, in relation to each scanned mineral assessment report shown or displayed on the Alberta Energy website including but not limited to warranties as to the satisfactory quality of or the fitness of the scanned mineral assessment report for a particular purpose and warranties as to the non-infringement or other non-violation of the proprietary rights held by any third party in respect of the scanned mineral assessment report;
- c) To the fullest extent permitted by applicable law, the Minister, and the Minister's employees and agents, exclude and disclaim liability to the User for losses and damages of whatsoever nature and howsoever arising including, without limitation, any direct, indirect, special, consequential, punitive or incidental damages, loss of use, loss of data, loss caused by a virus, loss of income or profit, claims of third parties, even if Alberta Energy have been advised of the possibility of such damages or losses, arising out of or in connection with the use of the Alberta Energy website, including the accessing or downloading of the scanned mineral assessment report and the use for any purpose of the scanned mineral assessment report so downloaded or retrieved.
- d) User agrees to indemnify and hold harmless the Minister, and the Minister's employees and agents against and from any and all third party claims, losses, liabilities, demands, actions or proceedings related to the downloading, distribution, transmissions, storage, redistribution, reproduction or exploitation of each scanned mineral assessment report obtained by the User from Alberta Energy.


Hudson's Bay Oil and Gas Company Limited

320 Seventh Avenue S.W. - Calgary 2, Alberta, Canada - Telephone (403) 267-2110

REPORT ON EVALUATION OF SULPHUR PERMITSNUMBERS 39 to 46 INCLUSIVE

During the winter of 1967-1968 6326 test holes were drilled on the subject Permits, to a depth of approximately 50 feet. These test holes were each sampled in the following manner: A grab sample representing the top 10 feet was taken, then at completion of the hole a trench sample representing the total interval was taken. Samples from every hole drilled were examined visually for indications of sulphur. Certain of these samples, chosen to give best coverage of the Permit, and totalling 635 were assayed by Crest Laboratories of Edmonton. The test holes and assayed samples are indicated with red dots on the accompanying map.

Visual examination of the samples indicated no sulphur. The assays showed the percentage of sulphur to range from nil to 1%, which we consider normal for near surface sediments. A summary of the assays is attached.


R. H. J. ELLIOTT
NORTHERN DISTRICTS
EXPLORATION MANAGER

CREST LABORATORIES LTD.B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS7911 ARGYLL ROAD
EDMONTON, ALBERTA

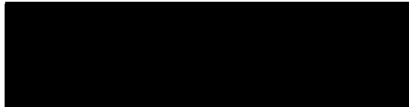
January 29, 1968.

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Lab No. 249

| <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> | <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> |
|----------------------|---|----------------------|---|
| 5-394-15 feet | nil | 7-600-15 feet | nil |
| 5-397-15 " | 0.1 | 7-608-15 " | nil |
| 5-405-15 " | nil | 7-616-15 " | nil |
| 5-411-15 " | 0.1 | 7-624-15 " | nil |
| 5-454-15 " | 0.1 | 7-632-15 " | 0.1 |
| 5-468-15 " | nil | 7-640-15 " | nil |
| 7-552-15 " | nil | 7-648-15 " | nil |
| 7-559-15 " | nil | 7-656-15 " | 0.1 |
| 7-568-15 " | nil | 7-664-15 " | 0.1 |
| 7-576-15 " | nil | 7-669-15 " | 0.1 |
| 7-584-15 " | nil | 9- 43-15 " | nil |
| 7-592-15 " | nil | | |

Yours very truly,
CREST LABORATORIES LTD.

R. Sawyer,
Chemist.

RS/bb

CREST LABORATORIES LTD.B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS7911 ARGYLL ROAD
EDMONTON, ALBERTA
January 29, 1968.Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Lab No. 247

| <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> | <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> |
|----------------------|---|----------------------|---|
| 4-213-15 feet | nil | 7-673-15 feet | 0.1 |
| 4-220-15 " | 0.2 | 7-681-15 " | 0.2 |
| 4-227-15 " | 0.2 | 7-689-15 " | 0.2 |
| 4-235-15 " | nil | 7-641-15 " | 0.2 |
| 4-240-15 " | 0.2 | 6-749-15 " | 0.2 |
| 4-252-15 " | 1.3 | 6-757-15 " | 0.2 |
| 4-256-15 " | 0.1 | 6-765-15 " | 0.3 |
| 5-369-15 " | 0.5 | 6-773-15 " | 0.1 |
| 5-376-15 " | 0.1 | 6-785-15 " | 0.2 |
| 5-389-15 " | 0.2 | 6-791-15 " | 0.1 |
| 5-398-15 " | nil | 6-799-15 " | 0.2 |
| 5-404-15 " | 0.2 | 6-808-15 " | 0.1 |
| 5-414-15 " | 0.2 | | |
| 5-422-15 " | 0.2 | | |
| 5-430-15 " | 0.1 | | |
| 5-438-15 " | 0.3 | | |
| 5-446-15 " | 0.2 | | |
| 5-453-15 " | nil | | |
| 5-461-15 " | 0.4 | | |
| 5-465-15 " | 0.2 | | |

Yours very truly,

CREST LABORATORIES LTD.


R. Sawyer,
Chemist.

32

CREST LABORATORIES LTD.

D.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS

7911 ARGYLL ROAD
EDMONTON, ALBERTA

February 2, 1968.

Hudsons' Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Lab No. 255

| <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> | <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> |
|----------------------|---|----------------------|---|
| 3-532-15 feet | 0.1 | 9-32-15 feet | 0.3 |
| 3-540-15 " | 0.1 | 9-40-15 " | Nil |
| 3-544-15 " | 0.6 | S.P.9-48-15 feet | Nil |
| 3-561-15 " | 0.3 | 9-56-15 feet | Nil |
| 6-800-15 " | 0.6 | S.P.9-64-15 feet | 0.2 |
| 6-808-15 " | 0.8 | 9-72-15 feet | Nil |
| 6-811-55 " | 0.3 | S.P. 9-80--15 feet | Nil |
| 7-641-15 " | 0.1 | S.P.9-88-15 feet | 0.2 |
| 7-646-15 " | 0.1 | 9-96-15 feet | 0.3 |
| 9- 1 -15 " | Nil | S.P.9-104-0-20 feet | Nil |
| 9- 8 -15 " | 0.2 | S.P.9-116-15 feet | Nil |
| 9-16-15 " | 0.3 | S.P.9-131-15 feet | 0.1 |
| 9-24-15 " | Nil | S.P.9-138-0-20 feet | Nil |

Yours very truly,

CREST LABORATORIES LTD.

F. Sawyer,
Analyst.

65/15

CREST LABORATORIES LTD.

B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS

7911 ARGYLL ROAD
EDMONTON, ALBERTA

January 2, 1968.

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott

Lab No. 222

Dear Sirs:

The results of sulphur analyses on samples submitted from Red Earth Territory, Wabasca, north of Trout Mountain, are as follows:

| <u>As Marked by Client</u> | | | <u>Sulphur Percent</u> |
|----------------------------|----|-----------|------------------------|
| Line 3 | SP | 483-D-15 | 0.54 |
| Line 3 | SP | 483-D-45 | 0.36 |
| Line 3 | SP | 484-D-15 | 0.07 |
| Line 3 | SP | 484-D-45 | 0.30 |
| Line 3 | SP | 485-D-15 | 0.04 |
| Line 3 | SP | 485-D-45 | Nil |
| SP 3 | | 486-D-15 | 0.05 |
| SP 3 | | 486-D-45 | 0.31 |
| SP 3 | | 487-15 | 0.05 |
| SP 3 | | 487-45 | 0.15 |
| SP 3 | | 488-15 | 0.06 |
| SP 3 | | 488-45 | Nil |
| L 3 | | 489-10-15 | Nil |
| L 3 | | 489-40 | 0.15 |
| L 3 | | 490-15 | 0.08 |
| L 3 | | 490-D-50 | Nil |
| L 3 | SP | 490-D-70 | 0.01 |

cont'd on page two...

-two-

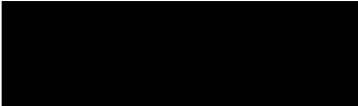
Hudson's Bay Oil & Gas Co. Ltd.

Attention: Mr. R. Elliott.

Lab No. 222, cont'd.

| <u>As Marked by Client</u> | <u>Sulphur Percent</u> |
|----------------------------|------------------------|
| SP 3 491-D-15 | Nil |
| SP 3 491-D-50 | 0.04 |
| SP 3 492-D-15 | 0.21 |
| SP 3 492-D-45 | 0.17 |
| SP 3 493-D-15 | 0.02 |
| SP 3 493-D-45 | 0.14 |
| SP 3 494-D-15 | 0.03 |
| SP 3 494-D-45 | 0.03 |
| SP 3 495-D-15 | 0.32 |
| SP 3 495-D-45 | Nil |
| SP 3 496-D-15 | 0.33 |
| SP 3 496-D-45 | 0.20 |

Yours very truly,
CREST LABORATORIES LTD.


R. Sawyer,
Chemist.

RS/bb

12

CREST LABORATORIES LTD.B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS7911 ARGYLL ROAD
EDMONTON, ALBERTA

March 1, 1968.

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Lab No. 285Sampled by: Western Geophysical

| <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> | <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur).</u> |
|----------------------|---|----------------------|--|
| SP-13-1376-20 | 0.1 | SP-11-945-15 | nil |
| SP-13-1405-20 | 0.3 | -11-953-15 | 0.1 |
| SP-14-1462-20 | nil | SP-11-961-15 | nil |
| SP-14-1469-20 | nil | -11-969-15 | nil |
| SP-14-1478-15 | nil | -11-976-15 | nil |
| SP-14-1486-15 | 0.1 | -11-985-15 | nil |
| SP-14-1504-15 | 0.1 | SP-11-993-15 | 0.1 |
| SP-14-1512-20 | nil | SP-11-1016-20 | 0.2 |
| SP-14-1528-15 | nil | SP-12-1135-15 | nil |
| SP-14-1536-15 | nil | -12-1143-15 | nil |
| SP-2-1589-20 | 0.1 | -12-1150-15 | 0.1 |
| SP-2-1595-15 | 0.1 | -12-1158-15 | nil |
| SP-2-1611-20 | 0.1 | SP-12-1166-15 | nil |
| 2-1618-15 | nil | -12-1173-15 | nil |
| SP-2-1631-15 | nil | SP-12-1186-15 | nil |
| SP-2-1639-15 | 1.52 | -12-1194-15 | nil |
| -11-931-15 | 0.2 | SP-12-1201-15 | 0.4 |
| SP-11-921-15 | nil | -12-1211-15 | nil |
| -11-929-15 | 0.1 | SP-12-1220-15 | 0.2 |
| -11-937-15 | nil | -12-1227-15 | 0.1 |

cont'd on page two.....

Hudson's Bay Oil & Gas Co. Ltd.

March 1, 1968.

Lab No. 285, cont'd.

Sampled by: Western Geophysical

| <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> | <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> |
|----------------------|---|----------------------|---|
| SP-12-1233-20 | nil | SP-13-1394-15 | nil |
| -12-1241-15 | 0.2 | -13-1421-15 | 0.5 |
| SP-12-1249-20 | 0.3 | -13-1429-15 | nil |
| SP-12-1267-15 | 0.9 | -1437-15 | 0.1 |
| -6-818-15 | nil | -13-1445-15 | 0.4 |
| SP-6-827-20 | 0.1 | SP-13-1452-15 | 0.3 |
| -6-835-15 | nil | 9-110-15 | 0.2 |
| SP-6-843-20 | nil | 9-118-15 | nil |
| -850-15 | 0.6 | 9-125-15 | 0.1 |
| -857-15 | nil | SP-9-146-0-20 | 0.2 |
| -6-865-15 | nil | SP-9-152-15 | 0.1 |
| -6-873-15 | 0.1 | -9-160-15 | nil |
| -1257-15 | 0.1 | -9-168-15 | 0.2 |
| -12-1274-15 | 0.1 | -9-184-15 | 0.2 |
| SP-12-1281-20 | 0.1 | -4-261-15 | 0.1 |
| -1288-15 | 0.2 | -4-269-15 | 0.1 |
| SP-12-1296-15 | 0.2 | SP-4-276-15 | 0.1 |
| -12-1302-15 | nil | -4-286-15 | 0.6 |
| -12-1313-15 | 0.5 | -4-293-15 | 0.2 |
| SP-12-1322-20 | 0.2 | -4-313-15 | 0.3 |
| -1328-15 | 0.2 | SP-4-321-0-20 | 0.1 |
| -12-1334-15 | 0.1 | -4-329-15 | nil |
| -12-1340-15 | 0.1 | | |
| SP-13-1376-15 | nil | | |

Yours very truly,
CREST LABORATORIES LTD.



R. Sawyer,
Chemist.

CREST LABORATORIES LTD.

B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS

7911 ARGYLL ROAD
EDMONTON, ALBERTA

February 12, 1968.

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Dear Sirs:

Re: Western Geophysical

Lab No. 264

| <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> | <u>Client Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> |
|----------------------|---|----------------------|---|
| 64 - 15 feet | 0.1 | 11-1046-15 feet | nil |
| 4-304 - 15 " | 0.4 | 11-1052-15 " | nil |
| 4-306 - 15 " | nil | 11-1060-15 " | nil |
| 4-336 - 15 " | nil | 11-1068-15 " | nil |
| 4-342 - 15 " | nil | 11-1075-15 " | nil |
| 4-352 - 25 " | nil | 11-1084-15 " | nil |
| 4-359 - 20 " | nil | 11-1092-15 " | nil |
| 4-366 - 15 " | 1.3 | 11 1099-15 " | nil |
| 4-440 15 " | nil | 11 1104-15 " | 0.1 |
| 11 1004-15 " | 0.1 | 11-1112-15 " | nil |
| 11-1014-15 " | nil | 11-1120-15 " | nil |
| 11-1022-15 " | nil | 11 -1128-20 " | nil |
| 11-1030-15 " | nil | 11-1136-15 " | nil |
| 11-1038-15 " | nil | | |

Yours very truly,
CREST LABORATORIES LTD.

R. Sawyer,
Chemist.

27

CREST LABORATORIES LTD.

B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS

7911 ARGYLL ROAD
EDMONTON, ALBERTA
January 19, 1968.

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Lab No. 239 - Sulphur analysis

| <u>As Marked by Client</u> | <u>Sulphur Percent</u> | <u>As Marked by Client</u> | <u>Sulphur Percent</u> |
|----------------------------|------------------------|----------------------------|------------------------|
| 4-185-15 feet | 0.03 | 5-381-55 feet | 0.14 |
| 4-185-65 feet | 0.18 | 5-388-15 feet | 0.21 |
| 4-193-15 feet | 0.01 | 5-388-55 feet | 0.02 |
| 4-193-55 feet | 0.16 | 5-398-15 feet | 0.12 |
| 4-201-15 feet | 0.13 | 5-398-75 feet | 0.06 |
| 4-201-55 feet | 0.12 | 5-412-15 feet | 0.17 |
| 4-209-15 feet | 0.18 | 5-412-55 feet | 0.39 |
| 4-209-55 feet | 0.15 | 5-427-15 feet | 0.09 |
| 4-217-15 feet | 0.11 | 5-427-55 feet | 0.13 |
| 4-217-55 feet | nil | 5-439-15 feet | 0.21 |
| 4-225-15 feet | 0.06 | 5-439-55 feet | 0.24 |
| 4-225-55 feet | nil | 5-449-15 feet | 0.17 |
| 4-229-15 feet | 0.10 | 5-449-55 feet | 0.41 |
| 4-229-50 feet | 0.09 | 5-451-15 feet | 0.13 |
| 4-239-15 feet | 0.08 | 5-451-55 feet | 0.15 |
| 4-239-55 feet | 0.02 | 3-474-15 feet | nil |
| 4-245-15 feet | 0.03 | 3-474-45 feet | 0.10 |
| 4-245-55 feet | 0.02 | 3-481-25 feet | nil |
| 4-250-15 feet | 0.27 | 3-481-55 feet | 0.28 |
| 4-250-55 feet | 0.05 | 3-497-15 feet | 0.16 |
| 4-260-15 feet | 0.16 | 3-497-D 15 feet | 0.17 |
| 4-260-55 feet | 0.11 | 3-506-15 feet | 0.03 |
| 5-373-15 feet | 0.09 | 3-506-55 feet | 0.15 |
| 5-373-75 feet | nil | 3-515-15 feet | 0.32 |
| 5-381-15 feet | 0.10 | 3-515-55 feet | 0.22 |

cont'd on page two.....

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Penny

Lab No. 239 - cont'd.

| <u>As Marked by Client</u> | <u>Sulphur Percent</u> |
|----------------------------|------------------------|
| 3-522-15 feet | 0.34 |
| 3-522-55 feet | 0.12 |
| 3-545-15 feet | 0.65 |
| 3-545-55 feet | 0.19 |
| 3-551-15 feet | 0.29 |
| 3-557-55 feet | 0.71 |

Yours very truly,

CREST LABORATORIES LTD.



R. Sawyer,
Chemist.

RS/bb

CREST LABORATORIES LTD.

B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS

7911 ARGYLL ROAD
EDMONTON, ALBERTA

March 28, 1968.

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

* Organic material by
inspection.

Lab No. 306 Sampled by: Can-West #4

| Client Number | | Carbon Disulphide Extractables (for sulphur) | Client Number | | Carbon Disulphide Extractables (for sulphur) |
|---------------|----------|--|---------------|----------|--|
| 296 | 0' - 10' | nil | 11-278 | 10' | 0.1 |
| 500 | 0' - 10' | 0.2 | 11-289 | top | 0.1 |
| 515 | 0' - 10' | 0.2 | 11-314 | 10' | 0.1 |
| 727 | 0' - 10' | nil | 11-768 | --- | 0.2 |
| 757 | 0' - 10' | 0.1 | 11-781 | 10' | 0.3 |
| 1259 | 0' - 10' | 0.5 | 11-1254 | top | 0.2 |
| 1278 | 0' - 10' | nil | 11-1266 | --- | 0.1 |
| 1362 | 0' - 10' | nil | 11-1276 | --- | 0.2 |
| 1420 | 0' - 10' | nil | 11-1288 | 10' | 0.1 |
| 1433 | 0' - 10' | 0.1 | 11-1298 | 10' | 0.3 |
| 1467 | 0' - 10' | 0.1 | 11-1423 | 10' | 0.3 |
| 1517 | 0' - 10' | nil | 11-1447 | top | 0.3 |
| 1562 | 0' - 10' | nil | 11-1458 | 10' | 0.2 |
| 1588 | 0' - 10' | nil | 13-460 | 10' | 0.2 |
| *1613 | 0' - 10' | 0.5 | 13-482 | top | 0.2 |
| 1760 | 0' - 10' | nil | 13-490 | top | 0.1 |
| 9-1500 | top | 0.1 | 13-514 | top | nil |
| 9-1512 | top | nil | 13-526 | 10' | 0.1 |
| 9-1524 | --- | nil | 13-553 | top | 0.1 |
| 9-1533 | --- | 0.2 | 13-563 | top | 0.1 |
| 9-1546 | --- | nil | 13-1250 | top | 0.2 |
| 11 - 71 | --- | 0.2 | 15-721 | 0' - 10' | 0.2 |

cont'd on page two.....

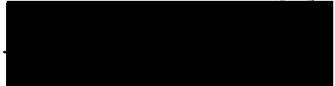
Lab No. 306, cont'd. Sampled by: Can-West #4

March 28, 1968.

| Client Number | | Carbon Disulphide Extractables (for sulphur) | Client Number | | Carbon Disulphide Extractables (for sulphur) |
|---------------|----------|--|---------------|-----|--|
| ? *15-733 | top | 0.1 | ↓ 32-1703 | 10' | 0.1 |
| 15-756 | 0' - 10' | 0.2 | ↑ *32-1719 | top | 1.0 |
| 22-1350 | 10' | nil | ↓ 36-1632 | 10' | nil |
| 22-1364 | top | nil | ↓ 36-1644 | 10' | 0.1 |
| 22-1376 | 10' | nil | ↓ 36-1659 | 10' | nil |
| 22-1392 | 10' | 0.2 | ↓ 36-1720 | 10' | 0.1 |
| 22-1401 | 10' | 0.1 | ↓ 36-1732 | 10' | 0.1 |
| ↑ 23-1578 | 10' | 0.1 | ↑ 36-1743 | 10' | 0.1 |
| 24-618 | 0' - 10' | 0.2 | ↑ 36-1754 | 10' | nil |
| 24-632 | 10' | 0.1 | ↓ 37-1772 | 10' | nil |
| 24-652 | top | 0.1 | ↓ 37-1783 | 10' | 0.2 |
| 24-664 | 10' | 0.3 | ↓ 37-1796 | 10' | 0.1 |
| 24-712 | top | 0.2 | ↓ *37-1808 | 10' | 0.7 |
| ↑ 24-1300 | 10' | 0.2 | *37-1832 | 10' | 0.4 |
| 24-1312 | 10' | 0.3 | ↑ *37-1847 | 10' | 0.5 |
| 32-1514 | 10' | 0.3 | ↑ *37-1871 | 10' | 0.3 |
| 32-1541 | 10' | 0.3 | 40-847 | 10' | 0.1 |
| 32-1551 | 10' | 0.4 | 40-859 | 10' | 0.1 |
| 32-1565 | 10' | 0.1 | 40-871 | 10' | 0.3 |
| 32-1576 | 10' | 0.3 | ↓ 40-891 | 10' | 0.2 |
| 32-1600 | 10' | 0.3 | ↓ 40-1006 | 10' | 0.1 |
| 32-1624 | --- | 0.2 | ↓ 40-1014 | 10' | 0.1 |
| 32-1635 | 10' | 0.2 | ↑ 40-1068 | 10' | 0.3 |
| 32-1694 | 10' | nil | ↑ 40-1090 | 10' | 0.2 |

* Organic material by inspection.

Yours very truly,
CREST LABORATORIES LTD.



R. Sawyer,
Chemist.

RS/bb

CREST LABORATORIES LTD.

B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS

7911 ARGYLL ROAD
EDMONTON, ALBERTA

March 19, 1968.

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

*Organic matter by inspection.

Lab No. _____ Sampled by: Can West #4

| Client Number | Carbon Disulphide Extractables (for sulphur) | Client Number | Carbon Disulphide Extractables (for sulphur) |
|----------------|--|----------------|--|
| ✓ 12 0' - 10' | 0.2 | ✓ 234 10' | 0.2 |
| ✓ 26 0' - 10' | 0.1 | ✓ 246 10' | 0.1 |
| ✓ 34 0' - 10' | 0.1 | ✓ 283 0' - 10' | 0.1 |
| ✓ 40 0' - 10' | 0.1 | ✓ 384 10' | 0.1 |
| ✓ 48 0' - 10' | nil | ✓ 441 0' - 10' | 0.2 |
| ✓ 56 10' | nil | ✓ 453 0' - 10' | 0.3 |
| ✓ 72 10' | 0.1 | ✓ 464 0' - 10' | 0.2 |
| ✓ 80 10' | 1.27 | ✓ 603 0' - 10' | 0.2 |
| ✓ 87 0' - 10' | 0.2 | ✓ 622 0' - 10' | 0.3 |
| ✓ 100 10' | 0.2 | ✓ 630 0' - 10' | 0.2 |
| ✓ 108 10' | 0.1 | ✓ 653 0' - 10' | 0.4 |
| ✓ 136 0' - 10' | 0.3 | ✓ 656 0' - 10' | 0.5 |
| ✓ 144 0' - 10' | 0.2 | ✓ 665 0' - 10' | 0.4 |
| ✓ 145 0' - 10' | 0.6 | ✓ 669 0' - 10' | 0.3 |
| ✓ 149 0' - 10' | 0.1 | ✓ 675 0' - 10' | 0.2 |
| ✓ 154 0' - 10' | 1.0 | ✓ 682 0' - 10' | nil |
| ✓ 158 0' - 10' | 0.1 | ✓ 689 0' - 10' | 0.2 |
| ✓ 202 0' - 10' | 0.3 | ✓ 701 0' - 10' | nil |
| ✓ 215 0' - 10' | nil | ✓ 709 0' - 10' | nil |
| ✓ 222 0' - 10' | 0.4 | ✓ 715 10' | 0.1 |

cont'd on page two.....

Lab No. 291, cont'd.

Sampled by: Can West #4

March 19, 1968.

| Client Number | Carbon Disulphide Extractables (for sulphur) | Client Number | Carbon Disulphide Extractables (for sulphur) |
|---------------|--|---------------|--|
| ✓ 744 | 0' - 10' | ✓ 1235 | 10' |
| ✓ 779 | 0' - 10' | ✓ 1243 | 10' |
| ✓ 780 | 0' - 10' | ✓ *1-724 | 0' - 10' |
| ✓ 793 | 0' - 10' | / 1-748 | 10' |
| ✓ 795 | 0' - 10' | / 1-750 | top |
| ✓ 810 | 0' - 10' | / 1-758 | top |
| ✓ 815 | 0' - 10' | / 1-773 | top |
| ✓ 818 | 0' - 10' | ✓ 3-213 | top |
| ✓ 901 | 0' - 10' | ✓ *3-223 | top |
| ✓ 908 | 10' | ✓ 3-437 | 10' |
| ✓ 932 | 10' | 3-449 | 10' |
| ✓ 956 | 10' | ↑ 3-1056 | top |
| ✓ 967 | 10' | ✓ 5-01 | |
| ✓ 978 | 0' - 10' | ✓ 5-6 | 0' - 10' |
| ✓ 991 | 0' - 10' | 5-14 | 10' |
| ✓ *997 | 0' - 10' | *5-023 | 0' - 10' |
| ✓ 1027 | 10' | 5-37 | |
| ✓ 1054 | 0' - 10' | 5-43 | 10' |
| ✓ 1072 | 0' - 10' | 5-63 | |
| ✓ 1082 | 0' - 10' | 5-81 | |
| ✓ 1089 | 0' - 10' | ✓ 5-432 | 0' - 10' |
| ✓ 1094 | 0' - 10' | ✓ 5-464 | 10' |
| ✓ 1106 | 0' - 10' | 5-472 | 10' |
| ✓ 1118 | 0' - 10' | *5-480 | 10' |
| ✓ 1123 | 0' - 10' | 5-488 | 10' |
| ✓ 1135 | 0' - 10' | 5-496 | 10' |
| 1163 | 0' - 10' | 5-505 | 10' |
| ✓ 1171 | 0' - 10' | 5-801 | 10' |
| ✓ 1204 | 0' - 10' | 5-807 | 10' |
| 1222 | 0' - 10' | ✓ 5-830 | 0' - 10' |
| | | ✓ 5-834 | 0' - 10' |

* Organic matter by inspection.

cont'd on page three....

| Client Number | Carbon Disulphide Extractables (for sulphur) | Client Number | Carbon Disulphide Extractables (for sulphur) |
|---------------|--|---------------|--|
| 7-35 | 10' | 11-228 | nil |
| 7-43 | 10' | 11-243 | nil |
| 7-208 | top | 11-252 | top |
| 7-214 | top | 11-266 | 10' |
| *7-223 | top | 11-389 | 10' |
| 7-586 | top | 11-448 | top |
| 7-593 | top | 11-460 | nil |
| 7-603 | top | 11-472 | nil |
| 7-615 | 0' - 10' | 11-484 | 10' |
| 7-638 | top | 11-494 | 10' |
| 7-642 | top | 11-508 | 10' |
| 7-650 | top | 11-518 | 10' |
| 7-690 | 10' | 13-399 | 10' |
| 7-699 | 10' | 13-411 | nil |
| 7-1151 | 10' | 13-423 | 10' |
| 7-1159 | 10' | 13-434 | nil |
| 7-1172 | 0' - 10' | 13-470 | top |
| 7-1179 | nil | 13-542 | 10' |
| 7-1187 | nil | 15-340 | nil |
| 7-1195 | nil | 15-352 | 10' |
| 7-1209 | 10' | 15-364 | 10' |
| 7-1217 | 10' | 15-376 | 10' |
| 9-165 | top | *20-720 | 0' - 10' |
| 9-173 | top | 20-733 | top |
| 9-180 | top | 20-755 | top |
| 9-195 | 10' | 20-769 | top |
| 9-206 | 10' | 20-902 | top |
| 9-230 | 10' | 22-939 | 10' |
| 9-265 | 10' | 22-947 | 10' |
| 9-1235 | nil | 22-963 | 10' |
| 11-22 | 10' | *22-970 | 10' |
| *11-216 | top | 22-987 | 10' |

*Organic matter by inspection.

Lab No. 291, cont'd.

Sampled by: Can West #4

March 19, 1968.

Client Number Carbon Disulphide
Extractables (for
sulphur)

Client Number Carbon Disulphide
Extractables (for
sulphur)

| | | |
|---------|----------|-----|
| 22-990 | 10' | 0.2 |
| 22-1003 | 10' | nil |
| 22-1010 | 10' | nil |
| 24-344 | 10' | 0.4 |
| *24-356 | 0' - 10' | 1.4 |
| 24-380 | 10' | 0.1 |
| 24-393 | 10' | 0.1 |
| 24-1074 | 10' | nil |
| 24-1098 | 10' | nil |
| 24-1112 | 10' | 0.1 |
| 24-1126 | 10' | 0.1 |
| 24-1149 | 10' | nil |
| 24-1186 | 10' | nil |
| *26-1 | top | 1.5 |
| 26-7 | 10' | 0.1 |
| 26-10 | 10' | 0.1 |
| 26-28 | 10' | 0.1 |
| 26-71 | top | 0.3 |
| *26-86 | top | 0.6 |
| 26-88 | 10' | 0.1 |
| 26-96 | 10' | 0.1 |
| 26-105 | 10' | nil |
| 26-113 | 10' | 0.1 |
| 26-137 | 10' | nil |
| 26-145 | 0' - 10' | nil |
| 26-153 | top | 0.1 |
| 26-478 | 10' | nil |
| *26-484 | top | 1.5 |
| 26-486 | 10' | 0.2 |
| 26-492 | 10' | nil |
| 26-497 | 10' | nil |
| 26-588 | 10' | 0.6 |
| 26-600 | 10' | 0.4 |

| | | |
|--------|-----|-----|
| 28-43 | top | 0.1 |
| 28-55 | top | 0.1 |
| 28-67 | top | 0.3 |
| 28-79 | top | 0.2 |
| 28-86 | top | 0.1 |
| 28-93 | 10' | 0.5 |
| 28-102 | top | 0.2 |
| 28-114 | top | nil |
| 28-116 | top | nil |
| 28-122 | top | nil |
| 28-125 | top | 0.1 |
| 28-129 | top | 0.3 |
| 28-132 | top | nil |
| 28-140 | top | nil |
| 30-70 | nil | 0.2 |
| 30-335 | top | 0.1 |
| 30-347 | 10' | 0.1 |
| 30-359 | 10' | 0.1 |
| 30-372 | nil | 0.1 |
| 30-418 | 10' | 0.1 |
| 30-430 | 10' | nil |
| 30-451 | 10' | nil |

Yours very truly,
CREST LABORATORIES LTD.



R. Sawyer,
Chemist.

*Organic matter by inspection.

CREST LABORATORIES LTD.

B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS

7911 ARGYLL ROAD
April 5, 1958
EDMONTON, ALBERTA

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Lab No. 323 Sampled by: Can-West #4

Please Note: * Organic material by inspection.
 ** Sulphur determined by extraction and oxidation = 0.03%

| Client Number | Carbon Disulphide Extractables (for sulphur) | Client Number | Carbon Disulphide Extractables (for sulphur) |
|---------------|--|---------------|--|
| ✓ 1003 | 0' - 10' 0.2 | 9-1428 | 10' 0.2 |
| ✓ 1016 | 0' - 10' 0.2 | 9-1488 | 10' 0.2 |
| ✓ 1323 | 0' - 10' 0.1 | 11-1342 | 0.3 |
| ✓ 1351 | 0' - 10' 0.1 | 13-1 | 10' 0.3 |
| ✓ 1552 | 0' - 10' 0.1 | 13-17 | 10' 0.2 |
| ✓ 1793 | 0' - 10' 0.2 | 13-28 | 10' 0.5 |
| ✓ 1814 | 0' - 10' nil | 13-40 | 10' 0.2 |
| ✓ 1854 | 0' - 10' nil | 13-53 | 10' 0.3 |
| ✓ 1863 | 0' - 10' nil | 13-74 | 10' 0.2 |
| ✓ 1886 | 0' - 10' nil | 13-85 | 10' 0.2 |
| ✓ 1898 | 0' - 10' 0.1 | 13-97 | 10' 0.4 |
| ✓ 1910 | 0' - 10' nil | 14-127 | 10' nil |
| ✓ 1922 | 0' - 10' 0.1 | 14-139 | 10' 0.3 |
| ✓ 1934 | 0' - 10' 0.1 | 22-1412 | 10' 0.1 |
| ✓ 2034 | 0' - 10' 0.4 | *34-2027 | 10' 1.00 |
| ✓ 2060 | 0' - 10' 0.3 | 34-2040 | 10' 0.3 |
| ✓ 2067 | 0' - 10' nil | 34-2052 | 10' 0.2 |
| ✓ 2082 | 0' - 10' 0.2 | *34-2076 | 10' 1.1 |
| ✓ 2126 | 0' - 10' 0.4 | **34-2098 | 10' 1.0 |
| ✓ 2136 | 0' - 10' 0.2 | 34-2128 | 10' 0.1 |
| ✓ 2190 | 0' - 10' 0.2 | 34- 2140 | 10' 0.3 |

Hudson's Bay Oil & Gas Co. Ltd.
 Attention: Mr. R. Elliott.

Lab No. 323, cont'd. Sampled by: Can-West #4

April 5, 1968.

| Client Number | Carbon Disulphide Extractables (for sulphur) | Client Number | Carbon Disulphide Extractables (for sulphur) |
|---------------|--|---------------|--|
| 34-2159 | 10' *1.1 | 41-2119 | 10' 0.7 |
| 36-1658 | 10' 0.2 | 41-2165 | 10' 0.3 |
| 37-1861 | 10' 0.1 | 41-2181 | 10' 0.3 |
| 40-834 | 10' 0.3 | 42-1841 | 10' **1.0 |
| 40-845 | 10' 0.2 | 42-1841 | 10' **1.0 |
| 40-891 | 10' 0.4 | 42-1958 | 10' **1.25 |
| 40-1892 | 10' 0.4 | 42-1970 | 10' *0.9 |
| 41-1314 | 10' 0.2 | 42-2005 | 10' 0.3 |
| 41-1329 | 10' *1.0 | 42-2017 | 10' 0.1 |
| 41-1337 | 10' **2.1 | 42-2025 | 10' **1.3 |
| 41-1565 | 10' 0.4 | 42-2051 | 10' 0.4 |
| 41-1765 | 10' 0.3 | 42-2067 | 10' 0.1 |
| 41-1901 | 10' 1.3 | 47-1966 | 10' 0.6 |
| 41-2107 | 10' 0.4 | 47-2027 | 10' 0.3 |

PLEASE NOTE: * Organic matter by inspection.

** Sulphur determined by extraction and oxidation = 0.03%

Yours very truly,

CREST LABORATORIES LTD.



R. Sawyer,
 Chemist.

RS/bb

CREST LABORATORIES LTD.B.C. REGISTERED ASSAYERS
INDUSTRIAL and RESEARCH CHEMISTS7911 ARGYLL ROAD
EDMONTON, ALBERTA

February 16, 1968.

Hudson's Bay Oil & Gas Co. Ltd.,
320 Seventh Avenue, S.W.,
Calgary, Alberta.

Attention: Mr. R. Elliott.

Lab No. 266Sampled by: Can West #4

| Sample Number | Carbon Disulphide Extractables (for sulphur) | Sample Number | Carbon Disulphide Extractables (for sulphur) |
|----------------|--|--------------------|--|
| 3-509 0' - 10' | 0.1 | 9-294 0' - 10' | nil |
| 3-518 0' - 10' | nil | 9-34 0' - 10' | nil |
| 3-529 0' - 10' | nil | 9-302 0' - 10' | nil |
| 3-540 Top | 0.4 | 9-311 Top | nil |
| 3-548 Top | 0.1 | 9-319 0' - 10' | nil |
| 5-356 Top | 0.3 | 9-324 0' - 10' | 0.1 |
| 5-367 Top | 0.2 | 9-333 0' - 10' | 0.1 |
| 5-375 0' - 10' | nil | OK. 9-339 0' - 10' | 0.3 |
| 5-383 Top | nil | 9-347 0' - 10' | 0.4 |
| 5-390 Top | nil | ↑ 18-244 0' - 10' | 0.1 |
| 5-404 0' - 10' | nil | 271 0' - 10' | 0.3 |
| 5-412 Top | nil | 277 0' - 10' | 0.1 |
| 5-424 Top | nil | 290 0' - 10' | 0.2 |
| 5-432 0' - 10' | nil | 304 0' - 10' | 0.2 |
| 5-440 Top | nil | ↑ 310 0' - 10' | 0.7 |
| 5-444 Top | nil | 317 0' - 10' | nil |
| 7-562 Top | 1.8 | 326 0' - 10' | 0.4 |
| 9-200 0' - 10' | 0.3 | 332 0' - 10' | 0.5 |
| 9-227 Top | 0.8 | 340 0' - 10' | 0.6 |
| 9-285 Top | nil | 345 0' - 10' | 0.4 |

cont'd on page two....

Hudson's Bay Gas & Oil Co. Ltd.


February 16, 1968.

Lab No. 266, cont'd.

Sampled by: Can West #4

| <u>Sample Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> | <u>Sample Number</u> | <u>Carbon Disulphide Extractables (for sulphur)</u> |
|----------------------|---|----------------------|---|
| ✓360 0' - 10' | 0.1 | ✓532 0' - 10' | nil |
| ✓366 0' - 10' | 0.1 | ✓539 0' - 10' | 0.3 |
| ✓376 0' - 10' | 0.1 | ✓550 0' - 10' | 0.1 |
| ✓391 0' - 10' | 0.2 | ✓556 0' - 10' | 0.1 |
| A ✓399 0' - 10' | nil | ✓570 0' - 10' | nil |
| ✓417 0' - 10' | nil | ✓578 0' - 10' | 0.1 |
| ✓425 0' - 10' | nil | ✓585 0' - 10' | 0.3 |
| ✓506 0' - 10' | 0.1 | ✓594 0' - 10' | 0.1 |
| ✓514 0' - 10' | 0.1 | ✓602 0' - 10' | 0.1 |
| ✓522 0' - 10' | 0.1 | | |

Yours very truly,
CREST LABORATORIES LTD.


R. Sawyer,
Chemist.

RS/bb

19680048

SULPHUR PROSPECTING PERMIT NO. 39

HUDSON'S BAY OIL AND GAS COMPANY
LIMITED,
320 - 7th AVENUE S.W.,
CALGARY, ALBERTA

DATE OF ISSUE - DECEMBER 11, 1967
AREA - 97,280 ACRES

TP. 97

TP. 96

846/8

TP. 95

R. 2

R. 1 W. 5 M.

19680048

SULPHUR PROSPECTING PERMIT NO. 40

HUDSON'S BAY OIL AND GAS COMPANY
LIMITED,
320 - 7th AVENUE S.W.,
CALGARY, ALBERTA

DATE OF ISSUE - DECEMBER 11, 1967
AREA - 99,840 ACRES

TP. 98

TP. 97

TP. 96

TP. 95

84611,8,7
SE, NE

R. 4

R. 3

R. 2

R. 1 W. 5 M.

SULPHUR PROSPECTING PERMIT NO. 41 1968 0048

HUDSON'S BAY OIL AND GAS COMPANY
LIMITED,
320 - 7th AVENUE S.W.,
CALGARY, ALBERTA

DATE OF ISSUE - DECEMBER 11, 1967
AREA - 99,840 ACRES

846/15414
TP. 103

TP. 102

R. 8

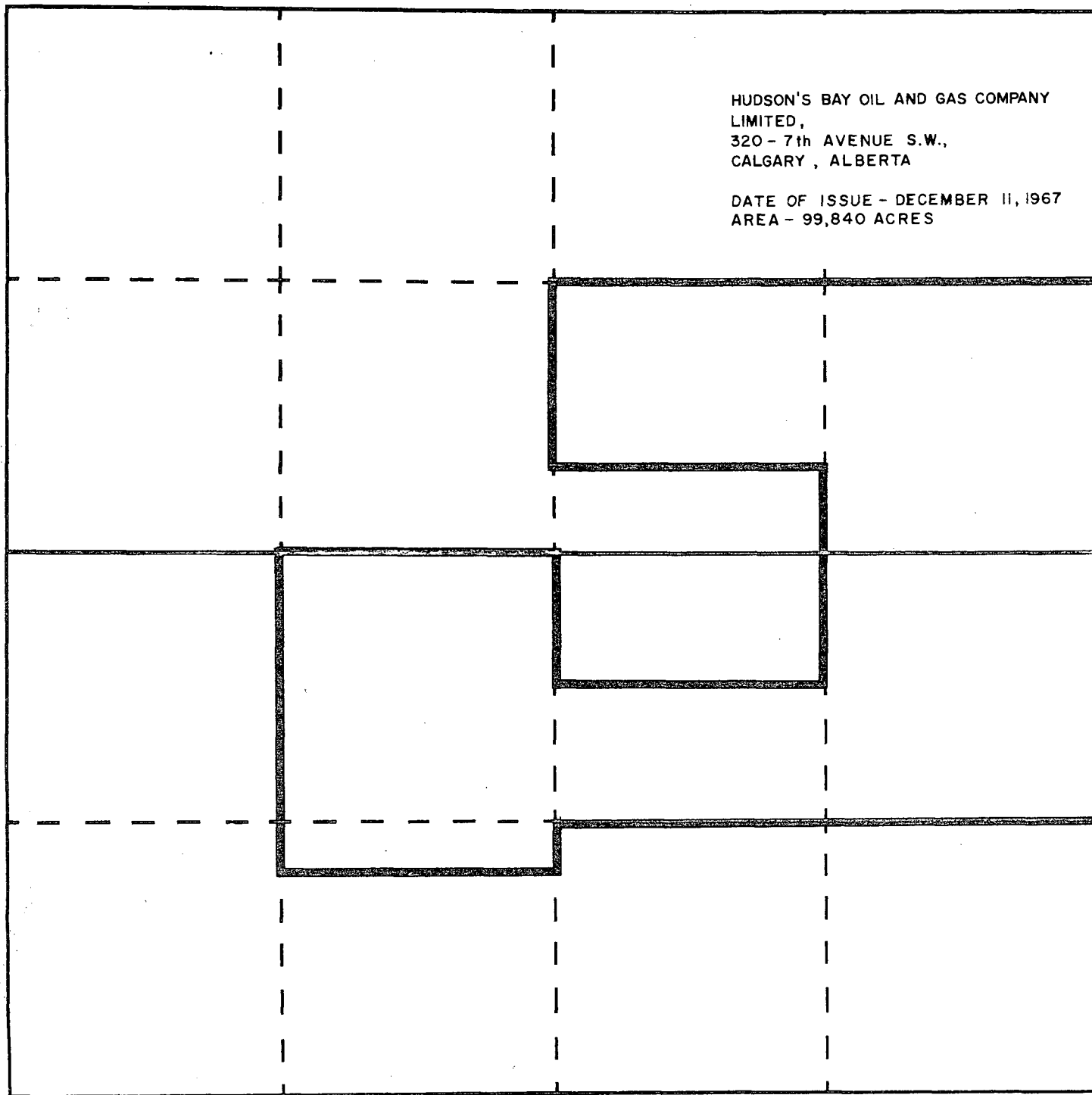
R. 7

R. 6

R. 5 W. 5 M.

19680048

SULPHUR PROSPECTING PERMIT NO. 42



HUDSON'S BAY OIL AND GAS COMPANY
LIMITED,
320 - 7th AVENUE S.W.,
CALGARY , ALBERTA

DATE OF ISSUE - DECEMBER 11, 1967
AREA - 99,840 ACRES

TP. 105

845/2+3

TP. 104

TP. 103

R. 8

R. 7

R. 6 W. 5 M.

19680048

SULPHUR PROSPECTING PERMIT NO. 43

HUDSON'S BAY OIL AND GAS COMPANY
LIMITED,
320-7th AVENUE S.W.,
CALGARY, ALBERTA

DATE OF ISSUE - DECEMBER 11, 1967
AREA - 91,918 ACRES
//// - NOT IN PERMIT

TP.104

TP.103

TP.102

TP.101

R.10

R. 9

R. 8 W. 5 M.

84 G/ 11, 1967

845/4^{SW}
TP. 104

SULPHUR PROSPECTING PERMIT NO. 44

HUDSON'S BAY OIL AND GAS COMPANY
LIMITED,
320 - 7th AVENUE S.W.,
CALGARY, ALBERTA

DATE OF ISSUE - DECEMBER 11, 1967
AREA - 94,720 ACRES

TP. 103

TP. 102

TP. 101

TP. 100

R. 11

R. 10

R. 9

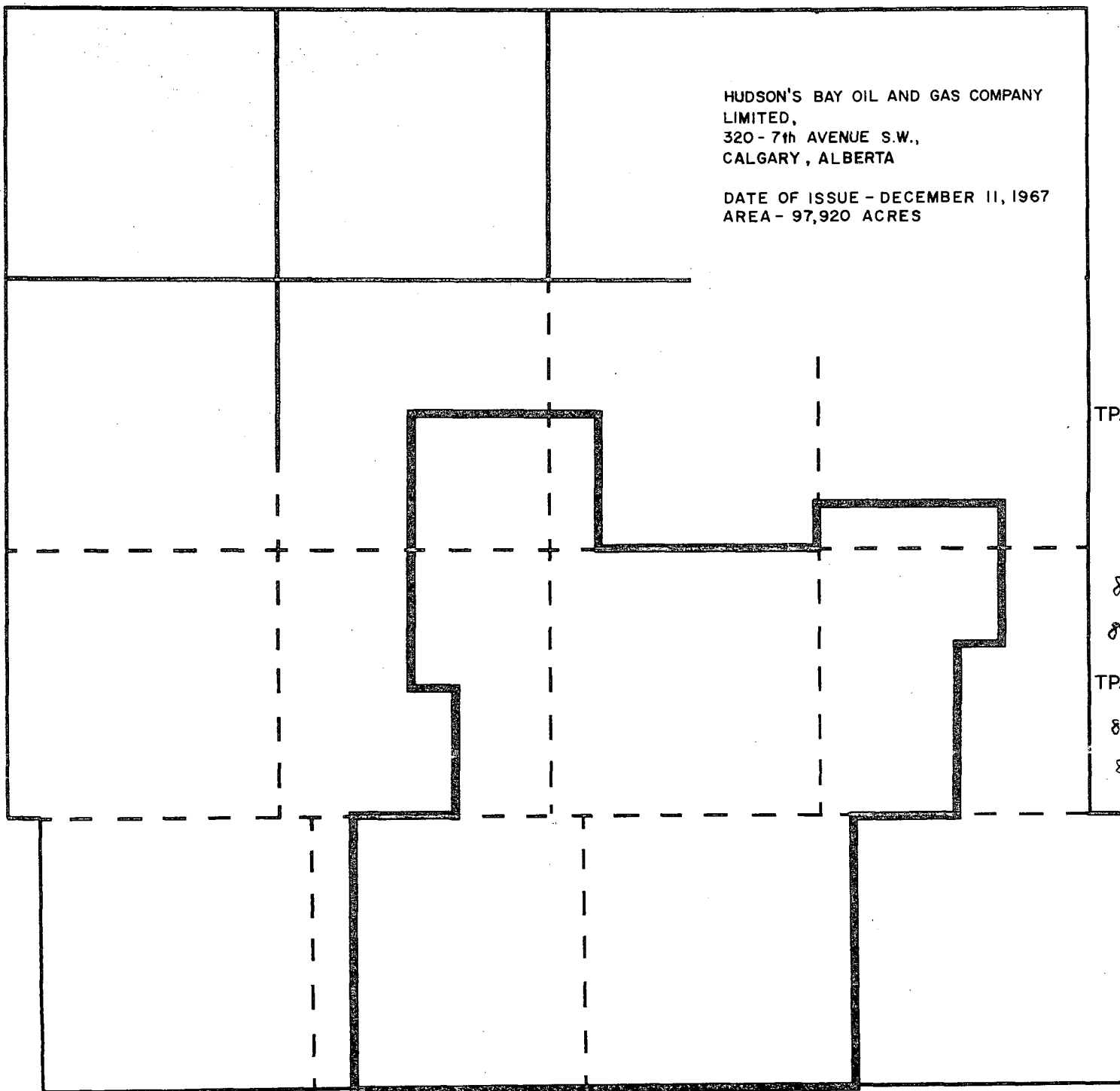
R. 8 W. 5 M.

846/13,14,

SULPHUR PROSPECTING PERMIT NO. 45

HUDSON'S BAY OIL AND GAS COMPANY
LIMITED,
320 - 7th AVENUE S.W.,
CALGARY, ALBERTA

DATE OF ISSUE - DECEMBER 11, 1967
AREA - 97,920 ACRES



TP.104

84G/13 SW

84F/16 NE

TP.103

84J/4 SW

84K/1 SE

TP.102

R.13

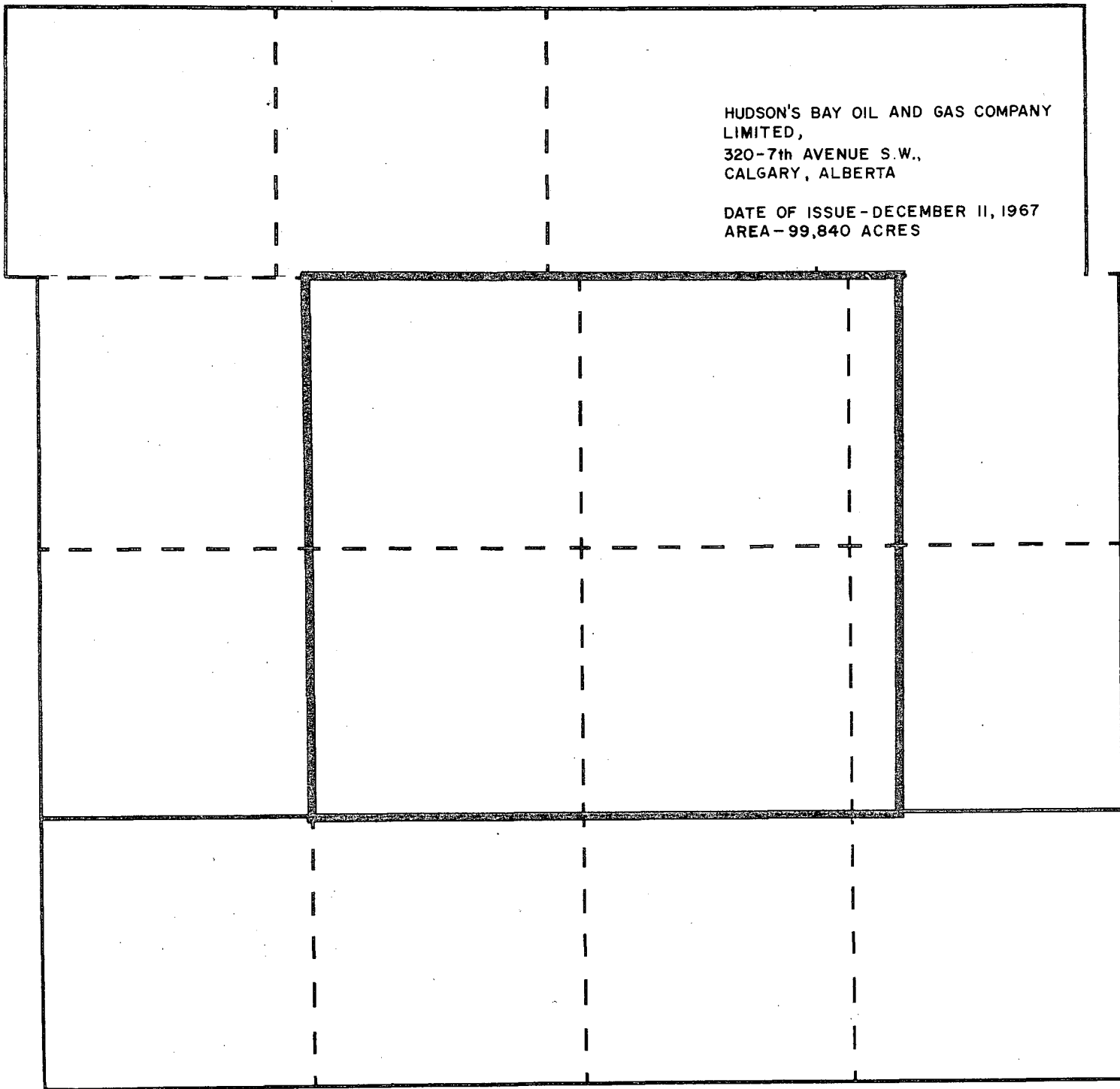
R.12

R.11 W. 5 M.

SULPHUR PROSPECTING PERMIT NO. 46

HUDSON'S BAY OIL AND GAS COMPANY
LIMITED,
320-7th AVENUE S.W.,
CALGARY, ALBERTA

DATE OF ISSUE - DECEMBER 11, 1967
AREA - 99,840 ACRES



TP.102

84F/16
NE

TP.101

TP.100

R.15

R.14

R.13 W. 5 M.