MAR 19670007: WABAMUN

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Acquisition:

King Resources Company made application for this permit in June, 1967 for the purpose of investigating the sulphur possibilities of the Wabamun formation of Devonian age. Reports of the occurrence of free sulphur in the lower part of the Wabamun have been made in 1955 from the well Banff Ankerton 15-4-44-16 W4M at an approximate depth of 3,600 feet. Further testing of this occurrence has been done by Devil's Elbow Mines Limited in well DEM Ankerton Sulphur 15-4-44-16 W4M in May-June 1967.

Geology:

While the presence of elemental sulphur in the lower part of the Wabamun has been known for many years its occurrence in possibly commercial quantities has not been investigated in more than a desultory fashion. With this in mind, the subsurface distribution of this horizon was checked by examining the records of many wells along strike. The presence of a Wabamun "high" was established running in a northwest-southeast direction in the vicinity of Woodglen post office and a well was drilled to the Nisku formation below the Wabamun and the appropriate section was cored.

Drilling:

K.R. Bawlf 10-12-47-17 W4M was commenced on June 21st, 1967. Tests for gas in the Viking were made with satisfactory results and coring point, 3,370 feet, was reached on June 26th. Coring was completed on June 28th, at 3,510 feet and the well was completed to 3,560 feet, logged and plugged back to the Viking sand by June 30th.
Coring:

Seven cores were taken in the section of interest as follows:

Core # 1

<table>
<thead>
<tr>
<th>Depth Range</th>
<th>Feet Recovered</th>
<th>Feet Recovered</th>
</tr>
</thead>
<tbody>
<tr>
<td>3370 - 3386 Feet</td>
<td>16 Feet</td>
<td>16 Feet</td>
</tr>
<tr>
<td>3386 - 3400 Feet</td>
<td>14 Feet</td>
<td>14 Feet</td>
</tr>
<tr>
<td>3400 - 3404 Feet</td>
<td>4 Feet</td>
<td>4 Feet</td>
</tr>
<tr>
<td>3404 - 3408 Feet</td>
<td>4 Feet</td>
<td>3.5 Feet</td>
</tr>
<tr>
<td>3408 - 3436 Feet</td>
<td>28 Feet</td>
<td>28 Feet</td>
</tr>
<tr>
<td>3436 - 3463 Feet</td>
<td>27 Feet</td>
<td>27 Feet</td>
</tr>
<tr>
<td>3463 - 3510 Feet</td>
<td>47 Feet</td>
<td>47 Feet</td>
</tr>
</tbody>
</table>

Analysis:

Six samples from Core #7 were selected for analysis, the results being as follows:

<table>
<thead>
<tr>
<th>Sample</th>
<th>Depth Range</th>
<th>Sulphur</th>
</tr>
</thead>
<tbody>
<tr>
<td>A 1</td>
<td>3464.8 - 3465.3 Feet</td>
<td>0.05% by weight</td>
</tr>
<tr>
<td>2</td>
<td>3472.2 - 3474.9 Feet</td>
<td>0.82%</td>
</tr>
<tr>
<td>3</td>
<td>3481.1 - 3481.7 Feet</td>
<td>0.07%</td>
</tr>
<tr>
<td>4</td>
<td>3489.5 - 3490.0 Feet</td>
<td>0.45%</td>
</tr>
<tr>
<td>5</td>
<td>3495.5 - 3496.2 Feet</td>
<td>0.65%</td>
</tr>
<tr>
<td>6</td>
<td>3508.9 - 3509.3</td>
<td>1.15%</td>
</tr>
</tbody>
</table>

Conclusions:

The presence of sulphur in commercial quantities was not established.

L.G. Millward,
Divisional Geologist.

LGM/McA.
Company: Oil Resources Company

Well: K-R Field 16-12-47-17

Field: Scull Area, Alberta

Location: Lsd 10-12-47-17 W4M

Sampling Conditions:

Formation: Devonian Webmain

Sampled from: Core No. 7 (Selected Intervals)

Date Sampled: July 5, 1967

Date Analyzed: July 6, 1967

Remarks:

Sampled Intervals Selected by Client.

 Depths | Wt. % Sulphur by Assay
---------|---------------------
 A1 3464.8 - 3465.3 | 0.05
 A2 3474.2 - 3474.9 | 0.82
 A3 3481.1 - 3481.7 | 0.07
 A4 3489.5 - 3490.0 | 0.45
 A5 3495.5 - 3496.2 | 0.65
 A6 3508.9 - 3509.3 | 1.15
SULPHUR PROSPECTING PERMIT No. 6

CANCELLED
KING RESOURCES COMPANY,
1300 ELVEDEN HOUSE,
CALGARY, ALBERTA

DATE OF ISSUE – JUNE 12, 1967
AREA – 19,801 ACRES
///// – NOT IN PERMIT

NO LEASES SELECTED

19670007

[83A/16 and 83H/1]