

# MAR 19680038: 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.

THIS REPORT HAS BEEN  
PREPARED FOR THE EXCLUSIVE USE  
OF:

Spooner Mines and Oils Limited

COPY NO. 1

**ECONOMIC MINERALS**

FILE REPORT No.

*S-AF-023(2)*

*S-AF-021(2)*

*S-AF-022(2)*

REPORT ON FIELD EXAMINATION

SPOONER MINES AND OILS LIMITED

SULPHUR PROSPECTING PERMITS NOS. 21, 22 & 23

NORTHERN ALBERTA

700323

700325

INDEXING DOCUMENT NOS. 700327

REPORT ON FIELD EXAMINATION  
SPOONER MINES AND OILS LIMITED  
SULPHUR PROSPECTING PERMITS NOS. 21, 22 & 23  
NORTHERN ALBERTA

Prepared For  
Spooner Mines and Oils Limited  
November, 1968

J. C. SPROULE AND ASSOCIATES LTD.  
OIL AND GAS ENGINEERING AND GEOLOGICAL CONSULTANTS

REPORT ON FIELD EXAMINATION

SPOONER MINES AND OILS LIMITED

SULPHUR PROSPECTING PERMITS NOS. 21, 22 & 23

NORTHERN ALBERTA

The field work on this project has been carried out at the request of Mr. Dale Corman acting for Spooner Mines and Oils Limited. The work was authorized under our letter agreement of July 15, 1968 and the request made was that J.C. Sproule and Associates Ltd. should collect representative near-surface samples as described in the pertinent paragraph of our July 15th letter. We quote:

"In Phase II, the field party would, upon arrival in the field, immediately check points of indicated interest on the basis of the photogeological study. More specifically, we think that the preliminary study will give us a good idea of all those areas that are likely to contain sulphur. All points where sulphur is likely to occur will be checked by the helicopter reconnaissance crew and hand specimens and/or auger samples taken to determine the presence or absence of sulphur. We might call this preliminary part of the field program Step 1 of Phase II. The cost of Step 1 for your three Permits would be \$800 per permit (approximately 20,000 acres), amounting to a total of \$2,400."

The field work has been conducted by Mr. N. Soul. The field notes describing the samples taken are as follows. We quote:

"Permit No. 21

Area No. 6

Hole No. 1 - S.E. 9-111-4 W. 5 M. Depth, seven feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
21-6-1	4	(N.A.)	
21-6-1	7	0.49	Yellowish brown clay.

Area No. 7

Hole No. 1 - N.W. 15-111-5 W. 5 M. Depth, eight feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
21-7-1	4	(N.A.)	
21-7-1	8	0.52	Sandy clay.

Permit No. 22

Area No. 4

Hole No. 1 - N.E. 9-110-4 W. 5 M. Depth, eight feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
22-4-1	4	(N.A.)	
22-4-1	8	Trace	Black muck.

Hole No. 2 - S.W. 14-110-4 W. 5 M. Depth, seven feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
22-4-2	4	(N.A.)	
22-4-2	7	0.06	Muskeg.

Hole No. 3 - N.W. 24-110-4 W. 5 M. Depth, eight feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
22-4-3	4	(N.A.)	
22-4-3	8	0.37	Sandy clay.

Area No. 5

Hole No. 1 - Ctr. 27-110-4 W. 5 M. Depth 7.5 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
22-5-1	4	(N.A.)	
22-5-1	7.5	0.24	Yellowish brown clay, <u>sulphurous odour.</u>

Hole No. 2 - N.W. 26-110-4 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
22-5-2	4	(N.A.)	
22-5-2	8	Trace	Bluish grey clay, sulphurous odour.

Hole No. 3 - S.E. 20-110-4 W. 5 M. Depth, 6.5 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
22-5-3	4	(N.A.)	
22-5-3	6.5	0.27	Sticky yellow clay.

Permit No. 23

Area No. 1

Hole No. 1 - N.E. 21-108-3 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
23-1-1	4	(N.A.)	
23-1-1	8	0.28	Greenish grey sandy clay.

Hole No. 2 - S.W. 20-108-3 W. 5 M. Depth, 6 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
23-1-2	4	(N.A.)	
23-1-2	6	0.13	Sticky yellow clay, <u>sulphurous odour.</u>

Hole No. 3 - Ctr. 28-108-3 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
23-1-3	4	(N.A.)	
23-1-3	8	Trace	Sticky yellow clay, <u>slight sulphurous odour.</u>

Area No. 2

Hole No. 1 - N.W. 7-108-3 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
23-2-1	4	(N.A.)	
23-2-1	8	Trace	Muskeg and lacustrine.

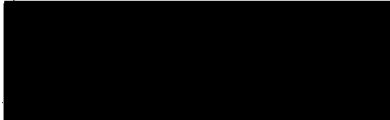
Hole No. 2 - N.E. 8-108-3 W. 5 M. Depth 7 1/2 feet.


<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
23-2-2	4	(N.A.)	
23-2-2	7 1/2	Trace	Clay"

The sample locations are given on the accompanying Figure 1 and the related analyses by Chemical and Geological Laboratories Ltd. constitute Appendix I attached hereto.

With reference to these results, it will be observed that analyses made of all samples show only traces or very small percentages of sulphur. The material penetrated was clay, sandy clay, black muck and muskeg debris, which is normally very high in sulphur in lake or depression areas where sulphur is known. That being the case, it is reasonably certain that the permits under consideration do not contain occurrences of native sulphur of sufficient interest to justify persuing further exploratory activity.

Under the circumstances, we recommend that these permits be abandoned and that the company request a return of their deposits.

  
V.A. Farley.

  
J.C. Sproule, P. Geol.

1009 Fourth Avenue S.W.,  
Calgary 2, Alberta.  
November 5, 1968.  
VAF:JCS:ldi





## PRELIMINARY REPORT ONLY

OPERATOR: J. C. Sproule &amp; Associates Ltd.

REPORT NUMBER: C69-3993 and  
C69-3994

KIND OF SAMPLE: Soil

Date Reported: August 29th., 1968  
Date Received: August 22nd., 1968

<u>SAMPLE NUMBER</u>	<u>DEPTH IN FEET</u>	<u>ELEMENTAL SULFUR (% by wt. -dry sample)</u>
--------------------------	--------------------------	--

22-4-1	8	TRACE
22-4-2	7	0.06
22-4-3	8	0.37
22-5-1	7½	0.24
22-5-2	8	TRACE
22-5-3	6½	0.27

21-6-1	7	0.49
21-7-1	8	0.52
23-1-1	8	0.23
23-1-2	6	0.13
23-1-3	8	TRACE
23-2-1	8	TRACE
23-2-2	7½	TRACE