

MAR 19680072: 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.

REPORT ON FIELD EXAMINATION
KAMALTA EXPLORATION LIMITED
SULPHUR PROSPECTING PERMIT NO. 77
NORTHERN ALBERTA 19680072

THIS REPORT HAS BEEN PREPARED
FOR THE EXCLUSIVE USE OF:

Kamalta Exploration Limited

COPY NO:.....3.....

ECONOMIC MINERALS
FILE REPORT No.
S-AF-077(3)

REPORT ON FIELD EXAMINATION
KAMALTA EXPLORATION LIMITED
SULPHUR PROSPECTING PERMIT NO. 77
NORTHERN ALBERTA

Prepared For
Kamalta Exploration Limited
November, 1968

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

REPORT ON FIELD EXAMINATION
KAMALTA EXPLORATION LIMITED
SULPHUR PROSPECTING PERMIT NO. 77
NORTHERN ALBERTA

The field work on this Permit has been carried out at the request of Mr. W.B. Ruck acting for Kamalta Exploration Limited. The work was authorized under our letter agreement of July 18, 1968 and the request made was that J.C. Sproule & Associates Ltd. should collect representative near-surface samples as described in the pertinent paragraph of our July 28th photogeological report. We quote:

"In view of the above, it is recommended that a field check of representative localities within the subject Permit be made by a helicopter-borne geological crew. This crew should be prepared to conduct spot-sampling trenching and/or auger testing as the occasion demands. We are, however, not yet prepared to recommend that the Company conduct the full detailed field geological survey described in our Preliminary Report of February 20, 1968. It is proposed rather that the Company authorize the preliminary field check referred to above at a total cost of \$800. The results of that preliminary field check will then inform the Company as to whether or not the full-scale field work should be proceeded with. If the preliminary results do not indicate that further work should be done, it would then be recommended that the Company apply immediately for return of their \$2,500 deposit, for which abandonment is indicated."

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

"Permit No. 77

Area No. 1

Hole No. 1 - N.W. 34-108-1 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
77-1-1	4	Trace	Black muck, <u>sulphurous</u> <u>odour.</u>
77-1-1	8	Trace	Black muck, <u>sulphurous</u> <u>odour.</u>

Area No. 2

Hole No. 1 - S.W. 36-108-1 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
77-2-1	4	Trace	Black muck
77-2-1	8	Trace	Clay.

Area No. 4

Hole No. 1 - N.W. 10-108-1 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
77-4-1	4	Trace	Muskeg and lacustrine
77-4-1	8	Trace	Grey clay

Area No. 5

Hole No. 1 - N.E. 11-108-1 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
77-5-1	4	Trace	Bluish grey clay
77-5-1	8	Trace	Bluish grey clay

Area No. 6

Hole No. 1 - S.W. 36-107-1 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
77-6-1	4	4.97	Black muck
77-6-1	8	1.47	Black muck

Hole No. 2 - S.W. 33-107-1 W. 5 M. Depth, 8 feet.

<u>Sample No.</u>	<u>Depth</u> Ft.	<u>Sulphur</u> %	<u>Sample</u>
77-6-2	4	Trace	Black muck, <u>sulphurous</u> <u>odour.</u>
77-6-2	8	Trace	Black muck, <u>sulphurous</u> <u>odour.</u>

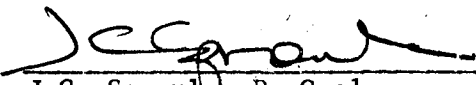
The sample locations are given on the accompanying Figure 1 and the related analyses by Chemical and Geological Laboratories Ltd. constitute Appendix I attached hereto.

With reference to these results, it will be observed that analyses made of all samples taken from Sulphur Permit No. 77 show only traces or very small percentages of sulphur. The material penetrated was mostly clay, but included muskeg debris and alluvium. These are normally rather high in sulphur in lake or depressional areas where sulphur is known. That being the case, it is reasonably certain that Sulphur Permit No. 77 does not appear to contain occurrences of native sulphur in sufficient quantities to justify further exploratory activity, except that an adjacent Permit has yielded high sulphur analyses.

Under the circumstances, the obvious recommendation would be that Sulphur Prospecting Permit No. 77 be abandoned and that the Company request a return of their deposit. However, results from an adjacent Permit have been sufficiently encouraging that consideration should be given to retaining that portion of Permit No. 77 shown on the accompanying photomosaic in red outline.

We will be pleased to submit an estimate of the cost of conducting an adequate exploration sampling program over the area recommended for retention at such time as a complete analysis of costs and performance of the past season's operations have been completed.

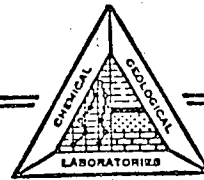

H.B. Lyall, P. Geol.


J.C. Sproule, P. Geol.

1009 Fourth Avenue S.W.,
Calgary 2, Alberta.
November 15, 1968.
HBL:JCS:ldl

CHEMICAL & GEOLOGICAL LABORATORIES LTD.

14240-115 AVENUE, EDMONTON, ALBERTA



Date Reported: October 29, 1968

Laboratory Report Number: C68-4213-5

J. C. SPROULE & ASSOCIATES LTD.

Kind of Sample: Soil

Date Received: October 18, 1968

<u>SAMPLE NUMBER</u>	<u>DEPTH IN FEET</u>	<u>ELEMENTAL SULFUR (% by Weight on Dry Sample)</u>
77-1-1	4	Trace
77-2-1	4	Trace
77-4-1	4	Trace
77-5-1	4	Trace
77-6-1	4	4.97
77-6-2	4	Trace





14240-115 AVENUE, EDMONTON, ALBERTA

Date Reported: October 7, 1968

Laboratory Report Number: C68-4116

J. C. SPROULE & ASSOCIATES LTD.

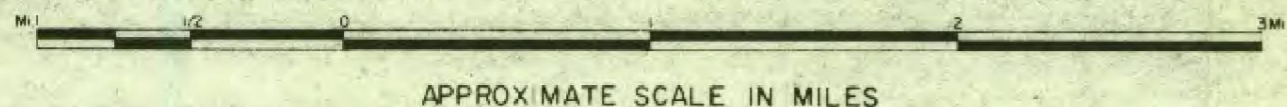
Kind of Sample: Soil

Date Received: September 30, 1968

SAMPLE NUMBER	DEPTH IN FEET	ELEMENTAL SULFUR	
		(% by Weight on Dry Sample)	(% by Weight on Wet Sample)
77-1-1	8	Trace	Trace
77-2-1	8	Trace	Trace
77-4-1	8	Trace	Trace
77-5-1	8	Trace	Trace
77-6-1	8	1.47	1.08
77-6-2	8	Trace	Trace

**PHOTOGEOLOGICAL MOSAIC
SULPHUR PROSPECTING PERMIT
No. 77.
FORT VERMILION AREA
ALBERTA**

PREPARED FOR
KAMALTA EXPLORATION LIMITED



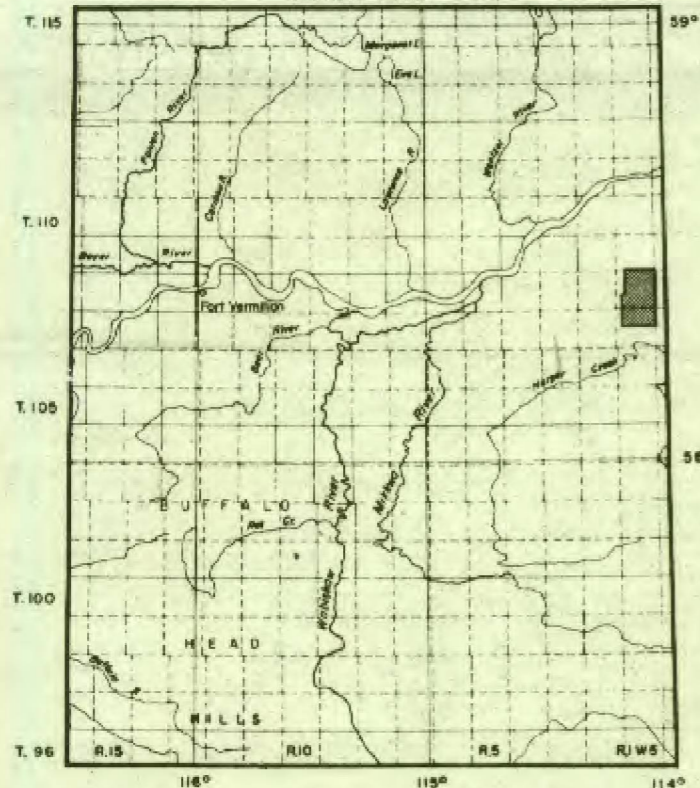
THIS IS A SEMICONTROLLED MAP-MOSAIC AND SHOULD NOT BE MISTAKEN FOR AN ACCURATE GEOGRAPHIC BASE

J.C. SPROULE AND ASSOCIATES LTD. CALGARY, ALBERTA

LEGEND

- SURFICIAL DEPOSITS**
Muskeg
- BEDROCK FORMATIONS**
Cretaceous (Undifferentiated)
- Devonian (Undifferentiated)
- PHOTOGEOLOGICAL SYMBOLS**
Approximate erosional edge of Cretaceous
- Alignment interpreted to indicate faulting or fracturing in bedrock
- AREA 1,2 etc.**
 Sulphur prospecting permit outline
- Sample Location
- Outline of area recommended for retention

INDEX MAP



REPRODUCTION OF THIS ILLUSTRATION OR ANY OF THE INFORMATION ON IT, IN ANY FORM IS PROHIBITED WITHOUT THE WRITTEN AUTHORITY OF J.C. SPROULE AND ASSOCIATES LTD.

