

MAR 19700012: ALBERTA

Received date: Dec 31, 1970

Public release date: Jan 01, 1972

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.

ECONOMIC MINERALS
FILE REPORT No.
U-AF-088(3)
U-AF-089(2)
U-AF-090(3)

PROGRESS REPORT
MINERAL EXPLORATION PERMITS
132 133 and 134
IN THE PROVINCE OF ALBERTA

Anthony Rich

and

John A. Greig

Department of Geology
University of Alberta
Edmonton, Alberta

March 28, 1970.

Progress of Examination

An airborne radiometric survey covering all of permits 132, 133 and 134 was conducted by Geo-X Surveys Ltd of Vancouver. The instrument employed in this survey was an 'Exploranium DIGRS-2000', 4-channel spectrometer equipped with three 6" x 4" crystals. The radiometric results are presented on the attached map. Flight line locations for the survey are also given.

Background for the Bi²¹⁴ radiation is about 8 counts per second throughout. Numerous anomalies are evident and some of these show intensities of 3 times background. Examination of the individual recorded readings over the anomalous areas show spot intensities of 4 to 5 times background.

Many of the anomalies can be related to favourable geological structures. This was determined with reference to aerial photographs and the structural map presented in the geological report.

A detailed field program of scintillometer prospecting, geological mapping and geochemical sampling was conducted during the period May through August of 1969. This field work was carried out by R. Turner, geologist, and R. McLean, engineer, who were employed full-time on the property. They were accompanied part-time by J. Greig and A. Rich.

The area covered by field work includes the western 2/3 (approx.) of permit 132, centering around Loutit Lake, a small area in the north-eastern part of permit 132 and the southern part of permit 134. Final results of the airborne radiometric survey were not available until September 1969. Some radiometric profiles were made available at the time of flying and some anomalies from these profiles were checked on the ground in the N.E. part of permit 132.

Numerous small but encouraging radioactive occurrences were discovered in the course of field work. These are located mainly in the environs of Loutit Lake. The southern part of permit 134 proved to be less encouraging. Results of the field program are given in the attached geological report. (U-AF-088(2))
(U-AF-090(2))

Information gained from the field work, the airborne survey and other geological criteria was used in order to reduce the total area held under permit. It is proposed to surrender permit 134 in its entirety, and it is proposed to reduce the area of permits 132 and 133 (approximately 40,000 and 49,920 acres respectively) to areas of 20,480 and 18,560 acres respectively as per the attached map. A schedule of lands is included in this report.

Plan of Examination for the 1970 Field Season

It is proposed to carry out further detailed groundwork, mapping and rock sampling, on the more promising showings found in 1969 and, where warranted, trenching and further sampling. Detailed ground surveys will be conducted in the regions of the airborne radiometric anomalies. This will consist primarily of scintillometer prospecting and detailed geological mapping. Promising surface showings will be sampled and where it is warranted these will be trenched. Contingent on the results of trenching, the program may be stepped up to include drilling.

Reconnaissance geological mapping will be done outside the anomalous areas to check favourable geological environments for the localization of uranium. Base metal and precious metal possibilities in the permit areas will not be overlooked. Before the commencement of field work, it is intended to carry out a more detailed interpretation of the computerized radiometric data.

Estimated Costs for the 1970 Exploration Program

Further interpretation of the airborne
radiometric data \$ 500.00

Preliminary exploration - geological
mapping and prospecting including:

Salaries
Camp equipment
Camp supplies
Assays
Mobilization and support aircraft
Supervision \$5000.00

Trenching - contingent on results of
preliminary program \$5000.00

Total \$10,500.00

STATUTORY DECLARATION

Approximate costs of the 1969 exploration program carried out on Quartz Mineral Exploration Permits 132, 133 and 134 in the Province of Alberta.

Airborne radiometric survey \$ 8370.00

Field exploration

Camp equipment	\$1368.35
Camp supplies	\$ 790.45
Mobilization including	
support aircraft	\$2133.20
Salaries	\$3123.95
Supervision	\$2997.89
Miscellaneous	\$ 937.23

TOTAL \$11351.07 \$11350.00

TOTAL \$19720.00

I, Anthony Rich of Edmonton Alberta, certify that the above is a true accounting of the costs incurred in the exploration of Quartz Mineral Exploration Permits 132, 133 and 134 for the period April 1, 1969 to the present.

Sworn and subscribed to in the City of Edmonton in the Province of Alberta this 30th day of March 1970.

[Handwritten signature]
.....
Notary



Anthony Rich

R.6

R.5.W.4

TP. 116

18,560 ACRES

Permit 132.

TP. 115



LOUITIT LAKE.

20,480 ACRES

LAKE
ATHABASCA

SCALE 1" = 1/2 MILE

REDUCED AREAS OF PERMITS 132 & 133

19700012
Algo No. 1

SCHEDULE

to Quartz Mineral Exploration Permit No. 132

IN TOWNSHIP ONE HUNDRED AND FIFTEEN (115), RANGE FIVE (5),
WEST OF THE FOURTH (4) MERIDIAN:

Sections 4 to 11 inclusive, sections 14, 15 and 16,
section 22, sections 25, 26 and 27, sections 33 to
36 inclusive,

AND

IN TOWNSHIP ONE HUNDRED AND FIFTEEN (115), RANGE SIX (6),
WEST OF THE FOURTH (4) MERIDIAN:

Sections 1 and 2, sections 11 to 14 inclusive,
sections 23 to 27 inclusive, and sections 34
and 35.

containing an area of Twenty Thousand - Four Hundred and
Eighty (20,480) acres, more or less.

SCHEDULE

to Quartz Mineral Exploration Permit No. 133

IN TOWNSHIP ONE HUNDRED AND SIXTEEN (116), RANGE FIVE (5),
WEST OF THE FOURTH (4) MERIDIAN

Sections 4 to 9 inclusive; sections 17 to 20 inclusive;
sections 30 and 31.

AND

IN TOWNSHIP ONE HUNDRED AND SIXTEEN (116), RANGE SIX (6),
WEST OF THE FOURTH (4) MERIDIAN

Sections 2 and 3; sections 10 to 15 inclusive;
sections 22 to 27 inclusive and sections 34, 35 and 36

containing an area of Eighteen Thousand - Five Hundred and Sixty
(18,560) acres more or less.