

THE BRITISH AMERICAN OIL COMPANY LIMITED

Abstracted for

Geoscience Data Index
NORTHWEST TERRITORIES GAS
PERMIT NOS. 3465, 3466, 3467, 3468

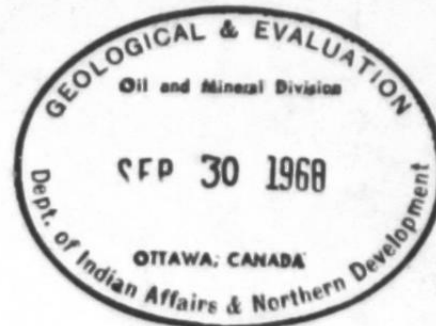
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TRAINOR LAKE - GEOPHYSICAL REPORT

2-6-4-51.

September 16, 1968

THE BRITISH AMERICAN OIL COMPANY LTD.
Northwest Territories Oil and Gas Permit Nos.
3465, 3466, 3467, 3468



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Geo-Science Data Index

Geophysical Report

New data covered by this report includes 25½ miles of seismic reflection control shot by Independent Exploration Company Party No. 315 and 51 miles of trade data obtained from Socony Mobil. The new data is outlined in orange on Figure No. 4, Shot Point Locations and Elevations Map.

In addition to the new data covered by this report 164 miles of reflection control was obtained on these lands during the '67-68' winter season by Canadian Fina Oils Ltd. Copies of the mapping of this survey were submitted with our letter of July 12, 1968.

The following seismic reflection maps are located in the pocket of this report:

- Figure No. 1 - Portion Unit Map 85-D-SW
Contours on Intermediate Horizons
(Near Top Of Devonian)
- Figure No. 2 - Portion Unit Map 85-D-SW
Contours on Deep Horizons
(Slave Point)
- Figure No. 3 - Portion Unit Map 85-D-SW
Contours on Interval Between Intermediate and
Deep Horizons (Near Top of Devonian and Slave
Point)
- Figure No. 4 - Portion Unit Map 85-D-SW
Shot Point Locations and Elevations

A discussion of the location of the project, terrain, communications and general operating conditions was undertaken in our report dated June 22, 1965. The following information is offered as being pertinent to the survey conducted by I.X.C. Party #315.

Instrumentation

- Model '65 Gulf amplifiers
- SIE-PMR magnetic tape system
- Geospace detectors (9 geophones/group, 20 ft. intervals)
- Rollalong cables (5060' spread)

Equipment

- | | |
|-------------------|--------------------|
| - 3 drill trucks | - 2 line trucks |
| - 4 water trucks | - 1 recorder truck |
| - 1 survey pickup | |

- Single hole shot points were used and the average hole depth was 40 feet. Hole logs recorded frozen formations of gravels and sands, silts, clays and boulders.
- An average charge of $2\frac{1}{2}$ lbs. was used.
- Bulldozer equipment was contracted to cut line and maintain access trails.
- A wheeled trailer camp was supplied by British American to accommodate the 28 man crew.
- Heavy supplies were trucked in from High Level
- One Beaver aircraft serviced the camp.

The new four-fold data shot by I.X.C. Party #315 is considered to be of superior quality to the older data. Old time values which are not used in the contouring are boxed.