

Drilling Authority No. 431

Project No.

File No.



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
RESOURCE MANAGEMENT DIVISION
OIL AND MINERAL DIVISION

Application for a Drilling Authority

This notice of intention to begin drilling operations, in triplicate, and where required a plan of survey approved by the Surveyor General showing the target area or the site of the well must be submitted and approved before commencing operations.

In compliance with the "Canada Oil and Gas Land Regulations", application is hereby made for approval to drill:—

Name and number of well Western Minerals/ Hope Y T F - 54
Location: Unit F Section 54 Grid 66° 40' N & 138° 15' W
Latitude 66° 33' 20" N Longitude 138° 25' 30" W
From Established Reference Marker SP 112 on Seis Line 3
Universal Well Location Reference Lat. 66.55556° N., Long. 138.42500° W.
Elevation: Ground 1147. at SP 112 K.B. feet above sea-level.
Well is expected to produce from Undetermined formation at a depth
of about as encountered feet. Expected total final depth 11,000 - 12,000'

Area assigned to well (for Oil Conservation Engineer's use only)

Permit No. 3330 Lease No. -- Acreage 50,946

Permittee, licensee, or lessee Western Minerals Ltd.

Exploratory Licence No. 1653

Surface owned by Crown

Petroleum and natural-gas rights owned by Crown (If alienated submit name and address of owner and occupant.)

We propose to use the following strings of casing, either cementing or landing them as indicated below:—

Casing Size O.D. (Inches)	Weight (Lb./Ft.)	Grade	New or Used	Estimated Depth	Bags of Cement
1. 20"	94.0	H-40	New	100'	135
2. 13-3/8	54.5	K-55	New	1500'	650
3. 9-5/8	design and depth of string will be discussed prior to setting.				
4.					
5.					

Expected water, gas, and oil horizons and type of control equipment Various gas below 2000'

Double Shaffer BOP
Hydril BOP

Well will be drilled with Rotary Rig No. 1 by Nabors Drilling Ltd. (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Business Licence No. N/A

At well Mr. William Seminiuk, At registered office C.D. Fairburn,

c/o Nabors Drilling, Address 901 - 10 Ave. S.W., Calgary 3, Alta.

Address Downtown Hotel, Dawson, Y.T.

It is understood that if changes become necessary, notice of the change of plan will be submitted.

Dated at Calgary, Alta., this 16 day of March 19 70

Signed by C. Fairburn Company Western Minerals Ltd.

Title Manager Operator's Licence No. 1653

(For Resource Management Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:—

- 1. This Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.
- 2. During well drilling and testing operations, every effort shall be made to ensure


Dated 18th March 19 70 Please see over page

Oil Conservation Engineer

Forms to be submitted to Oil Conservation Engineer, Department of Indian Affairs and Northern Development, Calgary, Alberta.

that drilling fluids, chemicals and wastes shall be disposed of or contained in a manner that will prevent the contamination of adjacent vegetation and surface or sub-surface waters.

3. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.



B.H.J. Thoms, Oil Conservation Engineer