



DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
 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 Chevron SOBC WM E. Pine Creek YT 0-78

Location: Unit 0 Section 78 Grid
 Latitude: 66° 57' 53" Longitude 137° 58' 58"
 Unique Well Identifier: 300 078670 0137450
 Universal Well Location Reference: Lat. 56, 2947' N, Long. 137, 28' 7" W

Elevation: Ground 1210 K.B. 1225 feet above sea-level.
 Well is expected to produce from Johnson Creek Sand formation at a depth of about 2360 feet. Expected total final depth 4000
 Area assigned to well
 (for District Conservation Engineer's use only)

Permit No. 3312 Lease No. Acreage 50,262
 Permittee, licensee, or lessee Western Minerals Ltd.
 Explanatory Licence No. 194 Lic. No. for SOBC 1631
 Surface owned by Crown
 (If alienated submit name and address of owner and occupant)

Petroleum and natural gas rights owned by Crown
 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 (Feet) of Cement
1. 19"	47.1 (approx.)	RW	New	60 150
2. 13-3/8"	54.5	K-55	New	800 840
3. ....	.....	.....	.....	.....
4. ....	.....	.....	.....	.....
5. ....	.....	.....	.....	.....

Expected water, gas, and oil horizons and type of control equipment: Johnson Creek Sand, Imperial Formation, Hydril CK 12-900, Shafter 12"-900, Hydraulic Double Gate Model 80 Accumulator, Remote Controls with Standby Nitrogen Bottles, 3000 psi Manifold.

Well will be drilled with Rotary Rig No. 15 by G. P. Drilling Ltd. (Drilling Contractor or company)

3604 - 8th Street S.E., Calgary 24, Alberta

Responsible agent of applicant: Contractor's Business Licence No.
 At well: R. R. Connon At registered office: R. C. Richardson
 Address: 400 Fifth Avenue S.W. Address: 400 Fifth Avenue S.W.

It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at Calgary, Alberta, this 9th day of October, 1971

Signed by: [Signature] Company: Chevron Standard Limited
 Title: Project Manager Operator's Licence No.: 1913

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:
 please see attached sheet for conditions of approval.

Dated: November 5, 1971
 District Conservation Engineer

Forms to be submitted to District Conservation Engineer,
 Department of Indian Affairs and Northern Development.

CONDITIONS OF APPROVAL FOR DRILLING AUTHORITY NO. 553
FOR CHEVRON SOBC WM E. PINE CREEK YT 0-78 issued Nov. 3/71

1. Copies of this Drilling Authority shall be exhibited at the Drilling Rig in both the Doghouse and the Drilling Foreman's Office between spud and rig release dates.
2. The Company will submit to this office, on Tuesday of each week/daily, the latest reports received by radio on the progress of the well.
3. During well drilling and testing operations, every effort shall be made to ensure 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.
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
5. Any additional strings of casing must be approved by the District Conservation Engineer prior to running.



M. D. Thomas
District Conservation Engineer
District 2 and 3