



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 BIRCH 11 4-55**

Location: Unit . . . . . **C** . . . . . Section . . . . . **53** . . . . . Grid **66 - 10 - 136 - 45**  
 Latitude . . . . . **66° 02' 07"** . . . . . Longitude . . . . . **136° 55' 29"**  
 Unique Well Identifier . . . . . **300C536610136450**  
 Universal Well Location Reference . . . . . **Lat. 66.034° N., Long. 136.922° W.**

Elevation: Ground . . . . . **2032** . . . . . K.B. . . . . **2047** . . . . . feet above sea-level.  
 Well is expected to produce from . . . **Permian Sandstone** . . . . . formation at a depth of about . . . . . feet. Expected total final depth . . . . . **3500**  
 Area assigned to well . . . . .  
 (for District Conservation Engineer's use only)

Permit No. . . . . **3366** . . . . . Lease No. . . . . . Acreage . . . . . **51,966**  
 Permittee, licensee, or lessee . . . . . **Western Minerals Ltd.**  
 Explanatory Licence No. . . . . **1144** . . . . . Lic. No. for SOBC . . . . . **1144**  
 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	Sacks of Cement
1. <b>19"</b>	<b>47.1 (Approx)</b>	<b>ERW</b>	<b>New</b>	<b>60</b>	<b>150</b>
2. <b>9-5/8</b>	<b>36</b>	<b>K-55</b>	<b>New</b>	<b>650</b>	<b>340</b>
3. <b>7</b>	<b>23</b>	<b>K-55</b>	<b>New</b>	<b>3800</b>	<b>725</b>
4. . . . .					
5. . . . .					

Expected water, gas, and oil horizons and type of control equipment. **Permian Sand, Hydril GK 10-900, 10-900 Hydraulic Double Gate Shaffer, Payne 40 Cal. Type Accumulator Remote Controls, Manifold - Outside Subbase.**

Well will be drilled with Rotary Rig No. . . . **24** . . . . . by **General Petroleum Drilling Ltd.**  
 (Drilling Contractor or company)

**3604 Eighth Street S.E., Calgary 24, Alberta**

Responsible agent of applicant: - Contractor's Business Licence No. . . . .  
 At well . . . **R. K. Connon** . . . . . At registered office . . . **R. C. Richardson**  
 Address . . . **400 Fifth Ave. S.W. Calgary 1, Alberta** . . . . . Address . . . . . **400 Fifth Ave. S.W. Calgary 1, Alberta**  
 It is understood that if changes become necessary, notice of the change of plan will be submitted.  
 Dated at . . . **Calgary** . . . . . this . . . . . day of . . . **November** . . . . . 19**71**  
 Signed by . . . **R. K. Connon** . . . . . Company . . . . . **Chevron Standard Limited**  
 Title . . . **Project Manager** . . . . . Operator's Licence No. . . . . **1639**

(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 . . . **December 9,** . . . . . 19 **71** . . . . .  
 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. 564  
FOR CHEVRON S0BC WM BIRCH YT C-53 issued Dec. 9 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/~~month~~, 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*

M. D. Thomas  
District Conservation Engineer  
Districts 2 & 3

