



CANADA

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 Murphy Mesa BP S Whitestone YT N-58

Location: Unit N Section 58 Grid 66-00-138-15
 Latitude 65° 57' 50" N Longitude 138° 25' 30" W
 Unique Well Identifier 300N586600138150
 Universal Well Location Reference Lat. 65.96389° N, Long. 138.42500° W.

Elevation: Ground 2800 est. K.B. 2815 est. feet above sea-level.
 Well is expected to produce from Permian Jungle Creek formation at a depth of about 6500 feet. Expected total final depth 7300
 Area assigned to well Willcat (for District Conservation Engineer's use only)

Permit No. 5748 Lease No. --- Acreage 52,306
 Permittee, licensee, or lessee Imperial Oil Enterprises Ltd.
 Exploratory Licence No. 1510
 Surface owned by Crown or (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. <u>19</u>	<u>47.1#</u>	<u>Electric Weld</u>	<u>New</u>	<u>60</u>	<u>200 Coldset</u>
2. <u>13-3/8</u>	<u>48#</u>	<u>H40</u>	<u>New</u>	<u>1000</u>	<u>1050 Grade 1</u>
3. <u>7</u>	<u>5500'-23#</u>	<u>K55</u>	<u>New</u>	<u>7300</u>	<u>1200 Grade 1</u>
4. <u>1800'-26#</u>					
5. <u></u>					

Expected water, gas, and oil horizons and type of control equipment.
Permian Jungle Creek
Diagram of BOPs and choke manifold attached

Well will be drilled with Rotary Rig No. 24 by G.P. Drilling (Drilling Contractor or company)

Cert. to Operate issued May 1, 1972

Responsible agent of applicant:—
 At well D. Borwick Contractor's Business Licence No.
 Address Well site At registered office R. G. Farguharson
 It is understood that if changes become necessary, notice of the change of plan will be submitted. Address P.O. Box 2721, Calgary, Alberta
 Dated at Calgary, Alberta, this 19 day of December 19 72
 Signed by [Signature] Company Murphy Oil Company Ltd.
 Title Engineer Operator's Licence No. 1521

(For Oil and Mineral Division use only)

APPROVED

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

PLEASE SEE ATTACHED FOR CONDITIONS OF APPROVAL

Dated [Signature] 19 72
[Signature] District Conservation Engineer
 Forms to be submitted to District Conservation Engineer,
 Department of Indian Affairs and Northern Development.