



DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
RESOURCES 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 made hereby for approval to drill —

Name and number of well Shell Pool R J-21
 Location: Unit J Section 21 Grid Lat 66° 40' Lon 134 00°
 Latitude 66° 30' 31.9" Longitude 134° 04' 32.3"
 From Established Reference Marker _____

Elevation: Ground 137 K.B. 150 feet above sea-level.

Well is expected to produce from Mississippian Devonian formation at a depth of about 4000 feet.

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

Permit No. 3609 Lease No. _____ Acreage 50946
 Permittee, licensee, or lessee Shell Canada Limited
 Exploratory Licence No. 698
 Surface owned by Crown or Crown
(If alienated submit name and address of owner and occupant.)
 Petroleum and natural-gas rights owned by Shell Canada Limited

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	Brand	New or Used	Estimated Depth	Sacks of Cement
1. 20"	94	Conductor Pipe	Domestic	New	50	50 sacks Portland + 3% C&C12
2. 9-5/8"	36	J-55	Domestic	New	400	400 sacks Portland + 2% C&C12
3.						
4.						
5.						

Expected water, gas, and oil horizons and type of control equipment Unknown
 Control Equipment - Hydril - 6" Series 900 GK
Cameron SS 6" Series 900 BOP

Well will be drilled with (Rotary) Rig No. 21 by Regent Drilling Limited
(Cable) (Drilling Contractor or company)

Responsible agent of applicant:— Contractor's Licence No. 61792 A10261
 At well R. W. Cumbers At registered office A. M. McLachlin
 Address P. O. Box 186 Edmonton Address P. O. Box 186 Edmonton, Alberta

It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at Edmonton, this 9 day of July 19 65

Signed by R. WATTS Company Shell Canada Limited
 Title Manager - Edmonton Division Prod. Licence No. 698

(For Resources Division use only)

APPROVED

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

The Company will submit to this office, on Tuesday of each week, the latest reports received by radio on the progress of the well.

Dated 14th July 19 65 B. J. Thomas

Forms to be submitted to Oil Conservation Engineer, Calgary, Alberta.