



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 . . . Columbia et al Kotaneelee YT E-3 /

Location: Unit . . . E . . . Section . . . 37 . . . Grid 60° 10' - 124° 00'
 Latitude . . . 60° 06' 27" . . . Longitude . . . 124° 07' 16"
 Unique Well Identifier . . . 300E376010124000
 Universal Well Location Reference . . . Lat 60.10750°N Long. 124.12111°W

Elevation: Ground . . . 2013 . . . K.B. . . . 2038 . . . feet above sea-level.
 Well is expected to produce from . . . Nahanni . . . formation at a depth
 of about . . . 12000 . . . feet. . . Expected total final depth . . . 13000
 Area assigned to well . . .
 (for District Conservation Engineer's use only)

Permit No. Lease No. . . . 411-68 Acreage 11958
 Permittee, licensee, or lessee . . . Dome Petroleum Limited
 Exploratory Licence No. . . . Dome Pet 2608 Columbia Gas 2599
 Surface owned by Crown or . . . Crown
 (If alienated submit name and address of owner and occupant.)

Petroleum and natural gas rights owned by . . .
 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. 20	. . . . . 94	. . . . . H-40	. . . . . New	. . . . . 750-1000	. . . . . 1600+
2. 13 3/8	. . . . . 72	. . . . . N-80	. . . . . New	. . . . . 3500	. . . . . 2700+
3. 9 5/8	. . . . . 43.5/47.0	. . . . . N-80	. . . . . New	. . . . . 11000	. . . . . 2000+
4. 7	. . . . . 29/32	. . . . . N-80	. . . . . New	. . . . . 13000	. . . . . 600+
5.					

Expected water, gas, and oil horizons and type of control equipment . . . 1 x 13 3/8" 5000# Hydril
 Nahanni 1 x 13 5/8" 5000# Shaffer Double Gate
 1 x 13 5/8" 5000# Shaffer Single Gate

Well will be drilled with Rotary Rig No. . . . 9 by . . . Nabors Drilling Ltd.
 (Drilling Contractor or company)

Responsible agent of applicant:- Contractor's Business Licence No. 4471
 At well D&S Petroleum Field Services At registered office D&S Petroleum Field Services Ltd.
 Address 6th floor Ford Tower Address 6th floor Ford Tower
 It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at Calgary, Alberta . . . this 10th . . . day of . . . November . . . 1977.
 Signed by *P. J. D. Lane* . . . P. Eng. . . . Company D&S Petroleum Field Services Ltd.
 Title . . . Agent Operator's Licence No. 2599 to March 31, 1978.

(For Oil and Mineral Division use only)

APPROVED

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

Dated 1978-01-17 *D. Whitehead*

District Conservation Engineer

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