



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 Y.T. M-17

Location: Unit . . . M . . . Section . . . 17 . . . Grid . . . 60° 10' 124° 00'
 Latitude . . . 60° 06' 45" . . . Longitude . . . 124° 03' 30"
 Unique Well Identifier . . . 300M176010124000
 Universal Well Location Reference. Latitude 60.11250° Longitude 124.05833°

Elevation: Ground . . . 411.48m . . . K.B. . . . 419.10m . . . feet above sea-level.
 Well is expected to produce from . . . Mattson Sand . . . formation at a depth
 of about . . . 1525m . . . feet. Expected total final depth . . . 1525m . . .
 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 Ltd.
 Exploratory Licence No. . . . Dome Pete 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 . . . 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. . . 244.5mm	64.74kg/m	N-80	New	200m	300+
2. . . 177.80mm	43.16kg/m	N-80	New	1525m	800+
3. . . 508mm		K-55	New	15.24m- 18.29m	Cement to surface
4. . .					
5. . .					

Expected water, gas and oil horizons and type of control equipment . . .
 Mattson Sand - Water Disposal . . . 1 - 13 3/8" 5000# Hydril
 . . . 1 - 13 3/8" 5000# Shaffer Double Gate
 . . . 1 - 13 3/8" 5000# Shaffer Single Gate
 Well will be drilled with Rotary Rig No. . . 9 . . . by . . . Nabors Drilling
 (Drilling Contractor or company)

Responsible agent of applicant:-
 At well D&S Petroleum Field Services Ltd. Contractor's Business Licence No. 4471
 Address Sixth Floor Ford Tower . . . Address . . . Sixth Floor Ford Tower . . .
 It is understood that if changes become necessary, notice of the change of plan will be submitted.
 Dated at Calgary . . . this 20 . . . day of September . . . 1978.
 Signed by . . . Company Columbia Gas Development of Canada Ltd.
 Title . . . Agent . . . Operator's Licence No. . . . 5206A

(For Oil and Mineral Division use only)

APPROVED

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

Please see attached conditions (5 approved)
 Dated 16 October 1978
 [Signature] District Conservation Engineer
 Forms to be submitted to District Conservation Engineer,
 Department of Indian Affairs and Northern Development.

TO BE ATTACHED TO AND MADE A PART OF DRILLING AUTHORITY NO. 918

FOR Columbia et al Kotaneelee YI M17 APPROVED 16 October 1978

CONDITIONS OF APPROVAL

1. Copies of this Drilling Authority or Amendments to a 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 shall submit to this office, on Tuesday of each week/daily, the latest reports received 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 contamination of adjacent area, or sub-surface waters.
4. We draw your attention to Sections 95 and 96 of the Canada Oil and Gas Land Regulations.
5. Approval must be obtained from the Regional Conservation Engineer to run any casing or liners not approved on the Drilling Authority.
6. All shows of oil and/or gas, and water flows, or any unusual events shall be reported to the Regional Conservation Engineer immediately.
7. Should a fatal accident occur, drilling operations are to be suspended and the Regional Conservation Engineer notified immediately. Permission to resume drilling must be obtained from the Regional Conservation Engineer.
8. Two field print copies of all well logs and three copies of the core analysis and fluid analysis must be forwarded to the Regional Conservation Engineer as soon as they are available.
9. Formation tops (samples or logs) of the section penetrated each week are to be reported with the weekly drilling reports.
10. The Regional Conservation Engineer must be notified at least 24 hours before spudding the well.
11. Permission to drill beyond the approved final depth MUST be obtained from the Regional Conservation Engineer.



Regional Conservation Engineer
Yukon Territory