



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 . . . **Pacific et al. Koland Bay YF-L-41**

Location: Unit . . . L Section . . . 41 Grid $69^{\circ}-30'-138.48''$
Latitude . . . $69^{\circ}-20'-30.693''N$ Longitude . . . $138^{\circ}-50'-55.092''W$
Unique Well Identifier 300L416930138450
Universal Well Location Reference: Lat. 69.34185 Long. 138.94863

Elevation: Ground . . . 73.5 K.B. . . . 94.5 feet above sea-level.
Well is expected to produce from . . . **Jurassic, Mississippian** formation at a depth of about . . . 2000, 4000 feet. Expected total final depth . . . 10,000
Area assigned to well (for District Conservation Engineer's use only)

Permit No. . . . 3773 Lease No. Acreage . . . 22,580
Permittee, licensee, or lessee . . . **Imperial Oil Enterprises Ltd.**
Explanatory Licence No. . . . 1510
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 3/4" (Freeze pipe)			New	60'	Refrigerated
2 1/2"	94#	K-46	"	500'	To Surface
1 3/8"	54.5# & 61#	K-55	"	2000'	To Surface
4 1/2 5/8"	40# & 45.5#	500 PS, K-50, K-55	"	7000'	AS REQUIRED
5 7/8"	23, 26, 29#	K-80	"	10,000'	AS REQUIRED

Expected water, gas, and oil horizons and type of control equipment:
Water - uncertain
Gas - Mississippian
Oil - uncertain
Annular preventor, double ram, Spool & Single ram, w/ dual Line high Pressure manifold w/ Cameron automatic choke
Well will be drilled with Rotary Rig No. 25 by **WADORS Drilling Limited** (Drilling Contractor or company)

Responsible agent of applicant . . . **John Fenton** Contractor's Business Licence No. 324
At well . . . **John Fenton** At registered office . . . **W. W. Leiper**
Address . . . **at well** Address . . . **P.O. Box 6000 Calgary, Alta.**
It is understood that if changes become necessary, notice of the change of plan will be submitted.
Dated at **Calgary, Alberta** this **10** day of **October** 1972
Signed by Company **Pacific Petroleum Ltd.**
Title **Frontier Ops. Manager** Operator's Licence No. **1002, 1445**

(For Oil and Mineral Division use only)

APPROVED

This application has been examined and approved subject to the following conditions:
SEE ATTACHED FOR CONDITION OF APPROVAL
Dated . . . November 15, . . . 1972
District Conservation Engineer
Forms to be submitted to District Conservation Engineer,
Department of Indian Affairs and Northern Development.

1. Copies of this Drilling Authority shall be exhibited at the Drilling rig in both the Doghouse and the Drilling Foremans Office between spud and rig release dates.
2. The Company will submit to this Office, on Tuesdays of each week/daily, 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, chemical and waste 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.
6. All significant shows of oil and/or gas are to be reported to the District Conservation Engineer immediately.
7. Should a fatal accident occur, drilling operations are to be suspended and the District Conservation Engineer notified immediately. Permission to resume drilling must be granted by the District Conservation Engineer after a fatality.
8. Forward to this Office two field print copies of all well logs with formation tops marked thereon and three copies of core analysis and fluid analysis 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.

M. A. ...