



Exploratory ☒
Development ☐

Delineation ☐
Service ☐

AUTHORITY TO DRILL A WELL

APPLICATION

This application is submitted with Section 82 of the Canada Oil and Gas Drilling Regulations. When approved under Section 83 of the Regulations, it is the requisite authority for the commencement of drilling operations.

Well Name in Full: Ranger Fort Liard P-66A
Operator: Ranger Oil Limited
Contractor: Precision Drilling Corp.
Drilling Rig or Unit: 426 TE
Location-Unit: P Section: 66
Coordinates: Lat: 60° 35' 55" 66" Long: 123° 41' 25.31"
Area: Fort Liard NT
Elevation-RT/KB: 460 m (ASL)
Approx. Spud Date: July 14/97 begin redrill
Anticipated Total Depth: 3220
Drilling Program No.:
Permit or Lease No.: EL 363
Estimated Well Cost: \$7,000,000
Grid Area: 60° 40', 123° 30'
Field/Pool: Liard Exploration
Seafloor: (BRT)
Estimated Days on Location: 100
Target Horizon(s): Nahanni

EVALUATION PROGRAM

Ten-metre sample intervals: None
Five-metre sample intervals: KOP 1325 m to total depth, 3 vial & 1 bagged
Canned sample intervals: None
Conventional cores at: Possible 18 m oriented core in Nahanni
Logs and Tests: Logs as per program

CASING AND CEMENTING PROGRAM

O.D.	Weight:	Grade:	Setting Depth Below Seafloor:	Cementing Program (Volumes):
508	139.89	K-55	262.7	To surface, G + 2% CaCl2
339.7	101.2	K-55	1007	To 600 m, Class "G"
244.4	69.9	L-80	2940	2940 - 2540 m, 1250 - 800 m
177.8	38.6	L-80	3220	3220 - 2740, "G" Hi temp.

B.O.P. Equipment: 346 mm, 35 MPa, 2 pipe, blind ram, annular, nace trim

Other Information: Directionally drilled from 1325 m to an estimated total depth of 3220 m (2800 m TVD) offset 765 m S and 775 m W approximately.

Signed: [Signature] Title: Drilling & Completions Superintendent
Date: July 14, 1997 Company: Ranger Oil Limited

APPROVAL

An approved copy of this notice is to be posted at each wellsite.

Signed: [Signature] Chief Conservation Officer

Date: July 16/97

File: 9211-R3L-1-2, WID 1823

WWI: 300P666040123301

Canada