

Exploratory ☐
Development ☐Delineation ☒
Service ☐

APPROVAL TO DRILL A WELL

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

Well Name: . PARA ET AL FT. LIARD . 0-35 . 60° 10' 123° 15'
Operator: . PARAMOUNT RESOURCES LTD. . Drilling Program No.: .
Contractor: . PRECISION DRILLING . Interest identifier: . EL383 .
Drilling Rig or Unit: . 379 . Estimated Well Cost: . \$3,500,000.00
Location-Unit: . 0 . Section: . 35 . Grid Area: . 60° 10', 123° 15'
Coordinates: Lat.: . 60° 04' 48.084" . Long.: . 123° 21' 22.767" .
Area: FT. LIARD, NWT . Field/Pool: . N/A .
Elevation-KB/RT: . 455.5 . (ASL) GL/Seafloor: . 450.0 .
Approx. Spud Date: . OCTOBER 1, 1999 . Est. Days on Location: . 35 .
Anticipated Total Depth: . 2201 . Target Horizons: . MATTSON, CHINKEH .

EVALUATION PROGRAM

Ten-metre sample intervals
Five-metre sample intervals . SURFACE TO TOTAL DEPTH .
Canned sample intervals . SURFACE TO TOTAL DEPTH .
Conventional cores at . 18. m. CORE IN MATTSON FORMATION .
Logs and Tests . HDIL-GR, MAC-GR-CAL, ZDL-CNL-GR-PE-XY CAL, HEX DIP-CBIL-GR, MRIL-GR-CAL;
1 TEST IN FANTASQUE AND 2 TESTS IN MATTSON

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing Program (m ³)
244.5	53.57	J-55	500	21.83 m ³ of 0:1:0 "G"
177.8	38.69	J-55	1414	10.76 m ³ of 1:1:2 FILL
				6.09 m ³ of 0:1:0 "G" TAIL
114.3	17.36	J-55	2201	11.42 m ³ of 0:1:0 "G"

B.O.P. Equipment: . 21. mPa. CLASS. IV. STACK AND MANIFOLD WITH ONE (1) FLOW DIVERTER, .
ONE (1) ANNULAR PREVENTER, THREE (3) RAMS (1 DOUBLE GATE AND 1 SINGLE GATE) and .
DOUBLE CHOKE MANIFOLD. .

Other Information:

Signed:  .
Responsible Officer

Title: SR. DRILLING AND COMPLETIONS ENGINEER .

Name: . WAYNE R. TOMM .

Company: . PARAMOUNT RESOURCES LTD. .

Date: . AUGUST 20, 1999 .

Phone: . (403) 290-3600 .

APPROVAL

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

Date: . Oct. 22 / 99 .

Signed:  .

Chief Conservation Officer

File: . 9211-P33-12-1-2 .

VID: 1868
UWI 3000356010123150