

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 I-46
Operator: . PARAMOUNT RESOURCES LTD. Drilling Program No.:
Contractor: AKITA DRILLING LTD. Interest identifier: EL383
Drilling Rig or Unit: . . . 32 Estimated Well Cost: . \$3,500,000.00
Location-Unit: . I. Section: . 46 Grid Area: 60° 10', 123° 15'
Coordinates: Lat: 60° 05' 32.474" Long: 123° 22' 53.612"
Area: . FT. LIARD, NWT Field/Pool: N/A
Elevation-KB/RT: 543.0 (ASL) GL/Seafloor: 537.5
Approx. Spud Date: . NOVEMBER 15, 1999 Est. Days on Location: . 35
Anticipated Total Depth: . 2317 Target Horizons: . CHINKEH, MATTSON

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 (m³)
244.5	53.57	J-55	500	21.83 m³ of 0:1:0 "G"
177.8	38.69	J-55	1530	10.76 m³ of 1:1:2 FILL 8.03 m³ of 0:1:0 "G"
114.3	17.36	J-55	2317	11.42 m³ 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 DOUBLEGATE 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
File: . 9211-P33-15-1-2
WID: . 1871, UWI 3001466010123150

Signed:
Chief Conservation Officer