



Nova Scotia	☐	West Coast	☐	Exploratory	☐
Newfoundland	☐	Northern	☒	Development	☒
Gulf of St. Lawrence	☐	Hudson Bay	☐	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: ...Paramount et al Cameron C-19
Operator: ...Paramount Resources Ltd. Drilling Program No.:
Contractor: ...Command Drilling Ltd. Permit or Lease No.: ...EL 312
Drilling Rig or Unit: ...#2 Estimated Well Cost: ...\$1,000,000.00
Location-Unit: ...C Section: ...19 Grid Area: 60° 10' 117° 30'
Coordinates: Lat.: ...60° 08' 07.253" Long.: ...117° 33' 08.031"
Area: ...Cameron Hills, N.W.T. Field/Pool: ...N/A
Elevation-RT/KB: ...788 m est. (ASL) Seafloor: ...782.82 m (ASL) (BMT)
Approx. Spud Date: ...February 26, 1991 Estimated Days on Location: ...21
Anticipated Total Depth: ...1628 m Target Horizon(s) Slave Point, Sulphur Point, Keg River
U.W.I.: 300C196010117300

EVALUATION PROGRAM

Ten-metre sample intervals ...N/A
Five-metre sample intervals ...As specified from under surface casing to T.D.
Canned sample intervals ...At 10 m intervals for geochemical analysis.
Conventional cores at ...In Sulphur Point, 9 or 18 m at approximately 1422 m.
Logs and Tests ...DISFL-GR, CNL-LDT-DAC-GR, Array Sonic-GR-Cal, Microlog-GR
Drill stem tests possible in target horizons on penetration or after logging.

CASING AND CEMENTING PROGRAM

O.D.	Weight:	Grade:	Setting Depth K.B. Below Seafloor	Cementing Program (Volumes):
244.5 mm	53.6 kg/m	J-55	390 m	30 T Class 'G' + 2% CaCl ₂ (100% excess)
139.7 mm	23.1 kg/m	IK-55	1628 m	1628 to 1300 m T-E-L Master + 1% CA-2
				1300 to 390 m LITE Master (1300 kg/m ³)
				Volumes = Caliper + 20% excess

B.O.P. Equipment: ...21 MPa ERCB Class IV Stack and Manifold
...With one (1) Annular Preventer and two (2) Single Gates (pipe ram and blind ram).

Other Information: ...Depending on surface hole conditions, it may be necessary to set a
...shallow conductor (50 - 90 m) of 339.7 mm casing.

Signed: ...*Phil Bala* Title: ...Assistant Drilling Manager
Date: ...January 14, 1991 Company: ...Paramount Resources Ltd.

APPROVAL

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

Signed: ...*Thomas*
Engineering Branch
Date: ...91-02-04
File: ...9211-P33-6-3