



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 N-28.....
Operator:PARAMOUNT RESOURCES LTD..... Drilling Program No.:N/A.....
Contractor:SIERRA DRILLING LTD..... Permit or Lease No.:LAND USE.....
Drilling Rig or Unit:5..... Estimated Well Cost:LESS THAN ONE (1) MILLION DOLLARS.....
Location-Unit:N..... Section:28..... Grid Area:60° 10' N 117° 30' W.....
Coordinates: Lat.:60° 07' 59.23"N..... Long.:117° 35' 07.63"W.....
Area:CAMERON HILLS, N.W.T..... Field/Pool:N/A.....
Elevation-RT/KB:760.1 m..... (ASL) * Ground:756.4 m..... (ASL)
Approx. Spud Date:February 25, 1990..... Estimated Days on Location:16.....
Anticipated Total Depth:1560 mKB..... Target Horizon(s)SLAVE POINT.....
.....SULPHUR POINT.....
UWI: 300N286010117300

EVALUATION PROGRAM

Ten-metre sample intervalsN/A.....
Five-metre sample intervalsAS SPECIFIED FROM UNDER SURFACE CASING TO T.D..
Canned sample intervalsAT 10 M INTERVALS FOR GEOCHEMICAL ANALYSIS.....
Conventional cores atNONE ANTICIPATED.....
Logs and Tests .. AS SPECIFIED IN DRILLING PROGRAM, VELOCITY SURVEY, DIL/CDL-CNS-GR TO
BE CONDUCTED ACROSS ZONES INDICATING POTENTIAL HYDROCARBONS (I.E. TARGET ZONES).

CASING AND CEMENTING PROGRAM

O.D.	Weight:	Grade:	Setting Depth Below G.E.: Below Seafloor	Cementing Program (Volumes):
244 mm	53.57 kg/m	J-55	390 m	Class "G" + 2% CaCl ₂ (100% Excess 22.8 m ³)
139.7 mm	20.83 kg/m	J-55	1560 m	Stage 1: Class "G" + 0.80% NFL + 0.10% SPC - 12000 Stage 2: 0-1-8 Cement + 0.75% T-10

B.O.P. Equipment: ONE (1) HYDRIL GK 9-900 SPHERICAL
TWO (2) SHAFTER TYPE E SINGLE GATE, 9" - 3000 PSI

Other Information: PLEASE REFER TO DETAILED DRILLING PROGRAM.

Signed: *Lloyd J. [Signature]* Title: DRILLING MANAGER
Date: OCTOBER 2, 1989 Company: PARAMOUNT RESOURCES LTD.

APPROVAL

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

Signed: *[Signature]*
Engineering Branch
Date: 90-02-23
File: 9211-P33-5-2