



National Energy Board

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 CAMERON F-19
Operator: PARAMOUNT RESOURCES LTD. Drilling Program No.:
Contractor: PRECISION DRILLING LTD. Interest identifier: PL-005
Drilling Rig or Unit: P247 Estimated Well Cost: \$1,000,000
Location-Unit: F Section: 19 Grid Area: 60° 10' N, 117° 30' W
Coordinates: Lat.: 60° 08' 18.499 Long.: 117° 33' 15.533
Area: CAMERON HILLS NWT Field / Pool: N/A
Elevation-KB/RT: 787.8 (est) (ASL) GL / Seafloor: 783.29
Approx. Spud Date: Jan 29. 2003 Est. Days on Location: 14
Anticipated Total Depth: 1471 Target Horizons: SULPHUR POINT DOLOMITE

EVALUATION PROGRAM

Ten-metre sample intervals

Five-metre sample intervals From 20m above Slave Point to TD: two sets washed and one set unwashed

Canned sample intervals Surface casing to TD - canned samples, 10m interval

Conventional cores at NONE PLANNED

Logs and Tests STI-SP-GR, SPED-CNT-GR-DAC, BCS-GR-SAC, MOICRLOG, NO PLANNED DST'S

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing Program (m ³)
219.1	35.71	J-55	425	32 T 0-1-0 'G' + 2% CaCl ₂
139.7	20.83	J-55	1471	16 T Fill Lite 2-125 + 0.6% R-3 + 3% A-9 and 5 t 0-1-0 'G' + 0.1% R-3 + 0.4% FL-77

B.O.P. Equipment: 21 MPa stack and manifold with one flow diverter, one annular preventer, two single gate RAM's, and one double choke manifold

Other Information:

Signed: *Dave Block*

Title: Engineering Consultant

Responsible Officer

Name: Dave Block, PEng. Company: Paramount Resources Ltd.

Date: December 18, 2003

Phone: (403) 206-3834

APPROVAL

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

Date: *Jan. 13/04*

Signed:

File: 9211-P033-22-3

e. k. h.
for *e. k. h.*
Chief Conservation Officer

WID: 2003

UWI: 300F196010117300

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<http://www.neb.gc.ca>

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