



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 K-19
Operator: PARAMOUNT RESOURCES LTD.
Contractor: PRECISION DRILLING LTD.
Drilling Rig or Unit: P247
Location-Unit: K Section: 19
Coordinates: Lat.: 60° 08' 38.128 Long.: 117° 33' 06.928
Area: CAMERON HILLS NWT
Elevation-KB/RF: 790.0 m (est) (ASL)
Approx. Spud Date: Jan 15, 2003
Anticipated Total Depth: 1473
Drilling Program No.:
Interest identifier: PL-005
Estimated Well Cost: \$1,000,000
Grid Area: 60° 10' N, 117° 30' W
Field / Pool: N/A
GL / Seafloor: 785.50 m
Est. Days on Location: 14
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 & 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 (m³)
219.1	35.71	J-55	425	32 T 0-1-0 'G' + 2% CaCl ₂
139.7	20.83	J-55	1473	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*
Responsible Officer

Title: Engineering Consultant

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
File: 9211-P033-22-4
WID: 2004
UWI: 300K196010117300

Signed: *C. K. L.*
for Chief Conservation Officer