



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: PCI Swede E-02

Operator: Petro-Canada Inc. Drilling Program No.: One

Contractor: Hi Tower Drilling Permit or Lease No.: E.L. 327

Drilling Rig or Unit: # 2 Estimated Well Cost: \$1.14 MM

Location-Unit: E Section: 02 Grid Area: 60-20-117-30

Coordinates: Lat.: 60° 11' 26.0297 Long.: 117° 31' 24.727

Area: Northwest Territories Field/Pool: Cameron Hills

Elevation-RT/KB: Approximately 808 m (ASL) Ground 805.08 m (ASL)

Approx. Spud Date: January 1990 Estimated Days on Location: 3

Anticipated Total Depth: 1589 m Target Horizon(s) Slave Point / Pine Point

UWI: 300E026020117300

EVALUATION PROGRAM

Ten-metre sample intervals NIL

Five-metre sample intervals Surface to Total Depth

Canned sample intervals 10 metre intervals, 30 metres above the Slave Point to T.D.

Conventional cores at one 18 metre core once the Slave Point has been established.

Logs and Tests Slave Point (Penetration) Pine Point, potential test after log evaluation.

CASING AND CEMENTING PROGRAM

O.D.	Weight:	Grade:	Setting Depth Below Seafloor:	Cementing Program (Volumes):
244.5	48.07 Kg/m	H-40, ST&C	405 m K.B.	31 't' (24m ³) class G + 2% CaCl
177.8	34.23 Kg/m	K-55, LT&C	1589 m K.B.	12 't' (9.3m ³)
class 'G' + 0.5% T.1 + 0.5% F.L. 20 't' (19.4m ³) 1:1:2 + 0.5% T.1				

B.O.P. Equipment:

1 - 229 mm, 21 Mpa Annular Preventer

1 - 229 mm, 21 Mpa Blind Ram 1 - 229, 21 Mpa Pipe Ram

Other Information: (Mud System)

0 - 405 m; Gel Lime

405 - 800 m; Flocculated Water

800 - 1589 m; Gel - Chemical

Signed: [Signature] Title: Manager, Exploration Operations

Date: 1990-01-04 Company: Petro-Canada Inc.

APPROVAL

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

Signed: [Signature]
Engineering Branch

Date: 90-01-12

File: 9211-P28-5-1