



Exploratory ☐
Development ☐

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: SUNCOR NETLA K-77
Operator: SUNCOR ENERGY INC. Drilling Program No.: NA
Contractor: TO BE DETERMINED Permit or Lease No.: ---
Drilling Rig or Unit: TO BE DETERMINED Estimated Well Cost: \$1,660,000.00
Location-Unit: K Section: 77 Grid Area: 60° 50'N, 122° 30'W
Coordinates: Lat.: 60° 46' 30.724" N (EST) Long.: 122° 44' 23.945" W (EST)
Area: NETLA Field/Pool: DEVELOPMENT
Elevation-RT/KB: ELEVATION: 618.9m (ASL) Seafloor: NA (BRT)
Approx. Spud Date: DECEMBER 30, 1998 Estimated Days on Location: 21 DAYS
Anticipated Total Depth: 2106m Target Horizon(s): SLAVE POINT

EVALUATION PROGRAM

Ten-metre sample intervals ---
Five-metre sample intervals SURFACE BEDROCK TO TD.
Canned sample intervals NOT REQUIRED
Conventional cores at ONE 18 METRE CORE OVER THE SLAVE POINT FORMATION
Logs and Tests SEE ATTACHED SHEET

CASING AND CEMENTING PROGRAM

O.D.	Weight:	Grade:	Setting Depth Below Seafloor:	Cementing Program (Volumes):
406.4mm	CONDUCTOR PIPE		20mKB	GROUT TO SURFACE
244.5mm	53.57 kg/m	J-55	530mKB	50.7m ³
177.8mm	34.23 kg/m	L-80	2106mKB	31.6m ³

B.O.P. Equipment: AS PER CANADA OIL AND GAS DRILLING REGULATIONS, SECTION 60.
ACTUAL BOP INFORMATION TO FOLLOW UPON FINAL RIG SELECTION.

Other Information: REQUEST AUTHORIZATION TO SET SURFACE CASING AT 530mKB, REQUEST
BASED ON FACT THAT THE FORMATIONS ENCOUNTERED TO 530mKB AND DOWN TO ± 664mKB
ARE ALL SIMILAR KOTCHO SHALES. SEE ATTACHED IMPERIAL SUN NETLA D-7 OFFSET WELL
INFORMATION. AS SUCH AN EQUIVALENT AMOUNT OF SAFETY IS CLAIMED.

Signed: *Michael J. Sutcliffe P.Eng.* Title: MANAGER OF PROJECTS
Date: NOVEMBER 20, 1998 Company: PAJAK ENGINEERING LTD.
FOR SUNCOR ENERGY INC.

APPROVAL

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

Signed: *Jerry Baker* Chief Conservation Officer
Date: Jan 26/99
File: 9211-S85-1-2, WID 1862
UWI 300K776050122300

Canada