



Nova Scotia West Coast Exploratory
 Newfoundland Northern Development
 Gulf of St. Lawrence Hudson Bay Delimitation
 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 **Exco et al N. Chance Y.T. D-22**

Operator **Exco Energy Ltd.** Drilling Program No **N/A**

Contractor **Gray Mountain Drilling** Permit or Lease No **N/A**

Drilling Rig or Unit **Custom Drilling Rig #94** Estimated Well Cost **Five (5) million dollars (approx)**

Location Unit: **D** Section **22** Grid Area **66-20-137-30**

Coordinates Lat **66° 11' 06.10" N** Long **137° 35' 32.91" W**

Area **Eagle Plains, Yukon** Field Pool **N/A**

Elevation-~~XXXX~~ **536.0 m** (ASL) ~~XXXX~~ **531.5 m** (ASL) (~~XXXX~~)

Approx Spud Date **February 18, 1985** Estimated Days on Location **55**

Anticipated Total Depth **1825 m (maximum)** Target Horizon(s) **Chance Sandstone (oil)
Cretaceous Sandstone**

UWI: 300D226620137300

EVALUATION PROGRAM

Ten metre sample intervals **N/A**

Five metre sample intervals **As specified, from under the conductor casing to T.D.**

Canned sample intervals **At 10 m intervals - for geochemical analyses**

Conventional cores at **Not anticipated**

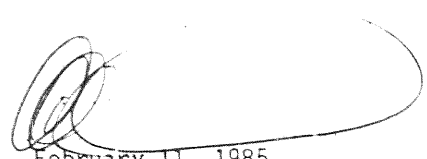
Logs and Tests **As specified in drilling program**

CASING AND CEMENTING PROGRAM

O D	Weight	Grade	Setting Depth	Cementing Program (Volumes)
339 mm	81.1 kg/m	K-55	XXXXXXX Approx 55 m	Permafrost + 100% excess
244 mm	64.7 kg/m	N-80	457 m	Lead: Permafrost + 30% excess Tail: Class "G" + 3% CaCl ₂ + 30% excess
139.7 mm	23.1 kg/m	K-55	Surface to TD	Class "G" + 0.75% CFR-2-30% excess

B.O.P. Equipment **one (1) NL Shaffer - 3000# W.P. spherical bag
one (1) NL Shaffer LWS - 3000# W.P. single gate pipe ram
one (1) NL Shaffer LWS - 3000# W.P. single gate blind ram.**


Other Information **Refer to accompanying drilling program**

Signed 
Date **February 11, 1985**

Title 
Company **Exco Energy Ltd.**

APPROVAL

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

Signed 
Engineering Branch
Date **22 Feb 85**
File **9111-E9-1-1**