



276044

Exploratory
Development 0 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: Chevron et al Liard M-25
Operator: Chevron Canada Resources Ltd.
Contractor: Akita Drilling
Drilling Rig or Unit: 48 UE
Location•Unit: M **Section:** 25
Coordinates: Lat 60°24'50.8N
Area: Fort Liard, Northwest Territories
Elevation-RT/KB: 918 m **(ASL)**
Anticipated Spud Date: September 20, 1999
Anticipated Total Depth: 3878 mMD (3507 mTVD)

Drilling Program No: N/A
Permit or Lease No: SDL99
Estimated Well Cost: \$10,250,000
Grid Area: 60°30', 123°30'
Long: 123°35'12.5W
Field/Pool: Liard
Seafloor: N/A
Estimated Days on Location: 142
Target Horizon: Nahanni

1999 SEP 21 A ♀ 48
MAIL ROOM
SALLE DU COURIER
NEB/ONE

EVALUATION PROGRAM

Ten meter sample intervals: None
Five meter sample intervals: Surface (ground level, 0 m) to TD
Canned sample intervals: None
Conventional cores: N/A
Logs and Tests: Intermediate (surface casing to 3495 mMD); run #1 AIT-DSI-Dual Axis Caliper, run #2 UBI Main (intermediate casing to TD); run #1 CNL-LDT-AIT, run #2 FMI-DSI-NGT, run #3 GPIT-CCL

CASING AND CEMENTING PROGRAM

<u>O.D. (mm)</u>	<u>Weight (kg/m)</u>	<u>Grade</u>	<u>Depth</u>		<u>Cementing Program</u>
			(mMD)	(mTVD)	
508	Conductor	9.53 WT	20	20	Cement to surface
339.7	101.24	K-55	840	800	Cement to surface
244.5	64.81	MN-80	2000	1833	Cement to surface
244.5	70.01	MN-80	3495	3167	Cement to surface

B O.P. Equipment: See attached detailed drilling plan

Other Information: See pre-submission for surface casing extension.

Signed: 
Miles N. Sweep, P.Eng.

Date: August 7, 1999

Title: Well Construction Engineer

Company: Chevron Canada Resources

An approved copy is to be posted at wellsite

APPROVAL

Signed: 
Chief Conservation Officer

Date: Sept 22/99 File: WID 1867
UWI 300M256030123300 9211-C04-1-3

Canada