CANADA

Exploratory ☐ 0 Delineation ✓
Development ☐ 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 2K-29 surface
Operator: Chevron Canada Resources Ltd.
Contractor: Akita Drilling
Drilling Rig or Unit: 58 UE
Location • Unit: K **Section:** 29
Coordinates: Lat 60°28'40.8N
Area: Fort Liard, Northwest Territories
Elevation-RT/KB: 416.34 m **(ASL)**
Anticipated Spud Date: January 07 2002
Anticipated Total Depth: 4100 mMD (2610 mTVD)

Drilling Program No: N/A
Permit or Lease No: SDL99
Estimated Well Cost: $8.8 million
Grid Area: 60°30', 123°30'
Long: 123°35'05.3W
Field/Pool: Liard
Seafloor: N/A
Estimated Days on Location: 75
Target Horizon: Nahanni

EVALUATION PROGRAM

Ten meter sample intervals: None
Five meter sample intervals: No samples will be caught and submitted from surface to intermediate casing depth.
Intermediate casing point to TD: Two sets of 5m interval vialed samples.
Canned sample intervals: None
Conventional cores: N/A
Logs and Tests: A waiver for openhole logs has been granted from surface casing to intermediate casing depth.
Main hole(intermediate casing to TD): run #1 CNL-LDT-AIT-FMS

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Depth (mMD)	Depth (mTVD)	Cementing Program
508	Conductor	9.53 WT	20	20	Cement to surface
244.5	59.53	K-55	750	729	Cement to surface
177.8	38.69	L-80 (Hydril SLX)	3111	2540	Cement to surface

B O.P. Equipment: See attached detailed drilling plan
Other Information: See pre-submission for surface casing extension.

Signed: _____ **Title:** Well Construction Engineer
Dan Kamieniecki
Date: Nov 22 2002
Company: Chevron Canada Resources

An approved copy is to be posted at wellsite

APPROVAL

Signed: for/ **Chief Conservation Officer**
Date: Dec. 31/02 **File:**

Canada