



Exploratory
Development

Delineation
Service

APPROVAL TO DRILL A WELL

This application is submitted under Section 82 of the *Canada Oil and Gas Drilling Regulations*. When approved under Section 83 of the Regulations, it is the requisite approval for the commencement of drilling operations.

Well Name: CNRL ET AL NORTH LIARD 3P-66B

Operator: <u>Canadian Natural Resources Limited</u>	Drilling Program No.:
Contractor: <u>Akita</u>	Interest identifier: <u>50%</u>
Drilling Rig or Unit: <u>58</u>	Estimated Well Cost: <u>\$5,000,000.00</u>
Location-Unit: <u>P</u>	Grid Area: <u>N.60°40' W.123°30'</u>
Coordinates: <u>Lat.: 60° 35' 55.66"</u>	Long.: <u>123° 41' 25.31"</u>
Area: <u>Fort Liard</u>	Field / Pool:
Elevation-KB/RT: <u>459.89</u> (ASL)	GL / Seafloor: <u>449.49</u>
Approx. Spud Date: <u>April 10, 2003</u>	Est. Days on Location: <u>60</u>
Anticipated Total Depth: <u>3600 TMD 2750 TVD</u>	Target Horizons: <u>Nahanni</u>

EVALUATION PROGRAM

Ten-metre sample intervals	<u>Nil</u>
Five-metre sample intervals	<u>From sidetrack depth to TD in the Nahanni</u>
Canned sample intervals	<u>Nil</u>
Conventional cores at	<u>None planned</u>
Logs and Tests	<u>Main hole only: Neutron, Sonic, Density, Induction /No DST's</u>

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing
<u>177.8</u>	<u>43.2 / 38.7</u>	<u>L80</u>	<u>3200</u>	<u>Thermal 40F</u>

B.O.P. Equipment: Intermediate and main hole: 346 mm tubing head/drilling spool, 346 mm 35 MPa single gate pipe ram, 346 mm 35 MPa drilling spool, 346 mm 35 MPa single gate blind ram, 346 mm 35 MPa annular

Other Information:

Signed: Kevin Kowbel Title: Drilling Engineer
Responsible Officer

Name: Kevin Kowbel Company: Canadian Natural Resources Limited
Date: March 3/03 Phone: (403) 517-7135

APPROVAL

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

Date: Mar. 28/03
File: 9211-C144-1-1
WID: 1922
UWI: 303P666040123300

Signed: J. Walker

Chief Conservation Officer