



Office national  
de l'énergie

## WELL TERMINATION RECORD

This record is submitted in compliance with Section 184 of the Canada Oil and Gas Drilling Regulations.

Well Name: Ranger North Liard P-66A

Area: Fort Liard, NT

Grid Area: 60° 40', 123° 30'

Field / Pool: Exploration

Interest Identifier:

Final Coordinates: Lat: 60°35' 55.66"

Long: 123°41' 25.31"

Drilling Unit: Precision Rig #426E

Elevations-KB/RT: 459.89

(ASL)

GL/Seafloor: 449.49

Spud Date: July 14, 1997

R.R.: March 9, 1998

Total Depth: 3500 mKB  
measured  
3000 m TVD

O.D. (mm)	Weight (kg/m)	Grade	Depth Set (m KB)	Cement (m <sup>3</sup> )
508. mm	139.7 kg/m	K-55	262 m	80t + 2% CaCl <sub>2</sub> 5t
339.7 mm	101.2 kg/m	K-55	1005 m	92t "G" + .2% D13 + .5% D65
244.5 mm	79.6 kg/m	L-80	3115 m	17t "G" + 35% D66 + 1.25% D160 + .5% D28 + 5% D65
244.5 mm	69.9 kg/m	L-80	2452 m	68t "G" + .3% B71 + .5% D65
177.8 mm liner	38.7 kg/m	L-80	3499 m	14t "G" + 35% D66 + .5% D65 + .3% D28 + .2% D121100LD135 + 1960 + 76LD47

### PLUGGING PROGRAM

Approval of the following program was obtained by (person) J. Leroy Brown, Ranger

from (person) Andrew Graw of the N.E.B.

by means of correspondence on March 29, 2000

Type of Plug	Interval (m KB)	Felt	Cement (m <sup>3</sup> )
Baker TE-5 SSSV	148.5m	In OTIS 96.82 mm "X" nipple	
		Tubing Empty	
		Pressure tested 114.3/177.8/244.5mm ann. to 28Mpa.	

Lost Circulation/Overpressure Zones: Partial loss circulation 1275-1290 m, 3292-3298 m. Overpressures 2023 m, 2973 m

Equipment left on Seafloor (Describe): n/a

Provision for Re-entry (Describe and attach sketch): Wellhead chained and locked, wellsign installed

Cores: Type: Intervals:

No cores

No DSTs

Other Downhole Completion/Suspension Equipment:

244.5 mm stage cementer at 1300.4 mKB. 177.8 mm liner hanger at 2909.4 mKB. See attached downhole well profile for tubing string details.

### CERTIFICATION

I certify on the basis of personal knowledge of operations undertaken at the above named well that the above information is accurate.

Signed: J.L. Brown

Name: J.L. Brown

Title: Sr. Completions Engineer

Company: Ranger Oil Limited

Date: April 3, 2000

Acknowledged By: J. McLean

Chief Conservation Officer

Well Status:

Date: April 11/00

File: 9211-R36-1-2RE

UWI: 3009666040123304

WID: 1823