

National Energy
Board



Office national
de l'énergie

NATIONAL ENERGY BOARD
Exploration and Production

DEC 17 2003

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: APACHE PARAMOUNT WEST NOGHA K-14
Operator: APACHE CANADA LTD. Drilling Program No.:
Contractor: AKITA DRILLING LTD. Interest Identifier: SAHTU SETTLEMENT
Drilling Rig or Unit: AKITA RIG #51 Estimated Well Cost: \$4,500,000
Location-Unit: K Section: 14 Grid: 66° 40' 126° 00'
Coordinates: Lat: 66° 33' 39.042" Long: 126° 03' 02.842"
Area: NOGHA Field / Pool: N/A
Elevation-KB/RT: 312.44mKB (ASL) GL / Seafloor: 307.54
Approx. Spud Date: FEBRUARY 15, 2004 Est. Days on Location: 30
Anticipated Total Depth: 1355 M Target: MT. CLARK

EVALUATION PROGRAM

~~FIVE~~ SURFACE TO TOP MOUNT CAP CLASTICS
~~Five-metre sample~~
~~TWO POINT FIVE~~ TOP MOUNT CAP CLASTICS TO BASE MOUNT CAP CLASTIC
~~Five-metre sample~~
~~FIVE METRE~~ BASE MOUNT CLASTIC TO TOP MOUNT CLARK SAND 'A'
~~Concave sample intervals~~
~~TWO POINT FIVE METRE SAMPLE~~ TOP MT. CLARK 'A' SAND TO TOP PROTEROZOIC
~~Conventional core at~~
~~FIVE METRE SAMPLE~~ TOP PROTEROZOIC TO T.D.
~~Logs and Tests~~

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing
<u>339.7mm</u>	<u>101 kg/m</u>	<u>K-55</u>	<u>60 M</u>	<u>10TARCTICSET</u>
<u>244.5mm</u>	<u>59.53kg/m</u>	<u>L-80</u>	<u>550 M</u>	<u>8TARCTICSET</u>
				<u>23TCLASS'G'</u>
<u>177.8mm</u>	<u>43.16kg/m</u>	<u>L-80</u>	<u>1355M</u>	<u>23TCLASS'G'</u>

B.O.P. Equipment: SHAFFER SPHERICAL 279mm 21MPa, 1- SHAFFER LWS 279mm
21MPa DOUBLE GATE RAM, 1- SHAFFER LWS 279mm 21MPa SINGLE GATE,
VALVECON 318L 21MPa 5 STATION Accum., ELECTRIC REMOTE, CAMERON.
Other Information: WKM 51mm x 70mm 21 MPa CHOKE MANIFOLD.

CORING: POSSIBLE 18m CORE CAMBRIAN MOUNT CLARK
LOGS: DSI ARRAY SONIC - GR - CAL, AIT - GR - X/Y CAL,

Signed: [Signature] Title: SR. DRILLING SUPT.
Responsible Officer

Name: BOB PHILLIPS Company: APACHE CANADA LTD.
Date: DEC 5/03 Phone: (403) 261-1316

APPROVAL

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

Date: January 14/04 Signed: [Signature]
File: 9211-A075-1-2 Chief Conservation Officer
WID: 2006
UWI: 300K146640126000

Canada