
DRILLING FLUID / SOLIDS CONTROL

TYPE	Oil Base	TIME CHK	200	ENGINEER	Jody Kereliuk	MOBILE
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BIT DATA TIME BREAKDOWN

TIME BREAKDOWN

SURVEYS **BOTTOM HOLE ASSEMBLY**

BOTTOM HOLE ASSEMBLY

REMARKS & GENERAL REPORT DETAILS

0800-1115	Drilled 156 mm hole
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1115-1130	BOP Drill
1130-1215	Circulate bottom hole sample @ 2099 m
1215-1245	Survey
1245-1300	Drill to 2101 m
1300-1345	Circulate bottom hole sample
1345-1830	Drill ahead
1830-1845	Bop Drill
1845-0800	Drilled ahead

				CUT(-) / FILL(+)		
				GR. ELEV. (Corrected)		273.10
				KB - GROUND:		5.15
				ACTUAL KB:		278.25
				REPORT TO:		Wayne Tomm
WEATHER/TEMP	Overcast - 23	RD/LEASE	Firm	LAST BOP DRILL DL		8-Jan
SUPERVISOR	Dave Wilson	MOBILE	1-600-700-5042	LAST BOP DRILL AN		8-Jan
RIG MANAGER	Greg Beller	MOBILE		LAST BOP DRILL MN		
CONTRACTOR	Precision 379	DAILY COST	\$43,445	CUM. COST	\$1,414,360	

**HIGHWOOD WELLSITE SERVICES INC.
DAILY GEOLOGICAL WELL REPORT
1999-01-11**

Paramount et al Netla M-23

Report To:	PAUL COLLENS	Report From:	JEFF BOULTER
		Telephone:	1600 700 5042
Spud Date:	December 17	Days from Spud:	25
Gd. Elevation:	273.1	K.B. Elevation:	278.25
Depth @ 6:00:	2186 m	Formation:	Arnica
Status @ 6:00:	Drilling ahead		
24 hr Progress:	30 m	Average ROP:	1.3 m/hr

OPERATIONS SUMMARY - Last 24 Hours

Drilled ahead 156 mm hole, had survey gas at 2167.0 m due mud weight decreasing to 955, there was no drilling breaks or porosity development in the samples.

SURVEYS

2167.0 m 3.5 degrees

MUD PROPERTIES

Type: Invert
Density: 980 kg/m³
Viscosity: 46 s/L
Water Loss: cm³/30 min
pH:
Filter Cake: mm

SAMPLE TOPS

Formation	Sample Depth	TVD	Subsea	Prognosis Subsea	Change
Kakisa	1030.0	1029.4	-751.1	-690.2	-60.9
Fort Simpson	1057.0	1056.3	-778.1	-770.2	-7.9
Muskwa	1790.0	1788.8	-1510.6	-1626.2	115.6
Horn River	1879.0	1877.8	-1599.6		
Nahanni	1891.0	0.0		-1717.2	
Headless	1972.0	0.0		-1830.2	
Landry	2002.0	0.0		-1854.2	
Arnica	2074.0	0.0		-1912.2	

FORECAST ACTIVITIES

Drill ahead 156 mm hole, the bit is close to being holed out, so there will be a bit trip.
The porosity at the base of the Arnica should be at a depth of 2186.5 m based on the M-31 offset. If there is porosity in our samples then we will pull out of hole to core.

HIGHWOOD WELLSITE SERVICES INC. 41 Riverview Circle COCHRANE, Alberta (403) 932-2916		COMPOSITE WELL HISTORY DRILLING TIME LITHOLOGY LOG	
COMPANY: PARAMOUNT RESOURCES LTD. WELL: Paramount et al Netla M-23 FIELD: PROVINCE: NorthWest Ter. LOCATION: M-23 60 Deg 50' 123 Deg 00'		CASING DEPTH SURFACE: 499 m INTERMEDIATE: 1840 m MAIN:	
COORDINATES: ELEVATIONS: GD 273.1 m KB 278.25 m WELL TYPE: Gas Exploration SPUD DATE: December 17, 1998 LICENCE No.: WID 1841		LOG MEASURED FROM KB 5.1 m ABOVE GROUND TOTAL DEPTH: T.D. DATE: AFE No.: 17168	
CONTRACTOR: Precision Drilling MUD TYPE: Invert MUD UP @: 500.0m SAMPLES: 5 meter intervals Paramount: 500.0 - Total Depth N.E.B.: 500.0 - Total Depth DSTs:		CORES: Baker Hughes Inteq Core#1 Arnica 2080.0 - 2083.2 m OPEN HOLE LOGS:	
SUPERVISION GEOLOGICAL: IFFER BOULTER		HOLE SIZE SURFACE: 339.73 mm INTERMEDIATE: 222 mm MAIN: REMARKS:	

CANSTRAT SYMBOLS USED FOR LITHOLOGY AND SHOWS

SCALE 1:240



