

DAVE WILSON OILFIELD CONSULTING LTD.
DAILY DRILLING REPORT

WELL	Para et al Netla M-23				REPORT #	24	DATE	8-Jan-99
DEPTH	2092	PROGRESS	12	OPERATION	800	Drilling 156 mm Hole		

DRILLING FLUID / SOLIDS CONTROL

TYPE	Oil Base	TIME CHK	200	ENGINEER	Jody Kereliuk	MOBILE		
LOG BOOK		CHECK	mg/L		ADDITIVES			
DENSITY		1050	SALINITY		MILBAR	20	MUD GRAD. (KPA/M)	9.27
VISCOSITY		65	CHLORIDES	156000	DIESEL		CYCLE MAIN HOLE(MIN)	135
W.L.			CALCIUM	63000	INVERT		BOTTOMS UP (MIN)	38
pH				Vol. Frac.	OILGEL3000		PUMP (M3/STROKE)	0.0056
F.C.		2	SAND	0.005	Ca.Chl. Fines		MUD TANKS (M3)	47.8
FANN 600		30	SOLIDS	11	LIME	10	MAIN HOLE (M3)	37
FANN 300		19		UF/OF	MILMICA		TOTAL (M3)	85
P.V.		11	OIL %	80	DFE_418		WATER LOADS ON LOC.	
Y.P.		3.8	WATER %	20	CARBOTEC	2	DAILY MUD COST	\$2,550
GELS 1/10		2.0/3.0	CNTFGE		CA. CARB.		MUD COST TO DATE	\$115,905

BIT DATA

TIME BREAKDOWN

BIT DATA						TIME BREAKDOWN			
NO.	2-B	Core #1	BIT NO.	2-B	Core #1	DRILL	4.50	MIRU	
SIZE	156	156	WEIGHT	9,000	3,000	TRIP	11.75	DRL MH/RH	
TYPE	ETD537	1900248	RPM	60	70	RIG SERV	0.50	NIPPLE U/D	
SERIAL NO	136380	ARC325	STRING WT	46,000	46,000	SURVEY		PT BOP'S	
JETS	3 x 18		SPM	120	120	CIRCULATE		DRILL OUT	
FROM	2083	2080	M3/MIN	0.67	0.67	LOG		S&C LINE	
TO	2092	2083	PRESSURE	3,850	5,600	TEST		RIG REPAIR	
BIT METERS	9	3	DP VEL	54	54	CORE	2.25	LD DP/DC'S	
BIT HOURS	4.50	2.25	DC VEL	76	76	REAM		REC.CORE	2.50
BIT ROP	2.0	1.30	NOZ VEL	29.6		CTB	2.50	SFTY MTG	
CUM HOURS	68	63.5	PUMP			CASING		BOP DRILL	
CONDITION	Run	36892	TYPE	PZ-8		CEMENT		MIX L.C.M	
PULLED FOR		Jammed	LINER/STK	203 x 114		WOC		TOTAL	24.00

SURVEYS

BOTTOM HOLE ASSEMBLY

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION	156mm Bit, B/S,	
1986	1.5						
						12 x 4 3/4 Drill Collars	
						LENGTH	

REMARKS & GENERAL REPORT DETAILS

0800-1000	Tripped in with Core #1				
1000-1245	Reamed and cleaned 65m to bottom with Core bbl.				
1245-1500	Cut Core # 1 from 2080m to 2083 m				
1500-2230	Tripped out and recovered core # 1				
2230-0330	Tripped in with RR-Bit #2				
0330-0800	Drilled 156 mm hole				
				CUT(-) / FILL(+)	
				GR. ELEV. (Corrected)	273.10
				KB - GROUND:	5.15
				ACTUAL KB:	278.25
				REPORT TO:	Wayne Tomr
WEATHER/TEMP	Overcast - 33	RD/LEASE	Firm	LAST BOP DRILL DL	2-Jan
SUPERVISOR	Dave Wilson	MOBILE	1-600-700-5042	LAST BOP DRILL AN	4-Jan
RIG MANAGER	Greg Beller	MOBILE		LAST BOP DRILL MN	
CONTRACTOR	Precision 379	DAILY COST	\$40,170	CUM. COST	\$1,370,915

FROM : NI

PHONE NO. : 4034993805

Jan. 10 1999 11:54AM P1

HIGHWOOD WELLSITE SERVICES INC.
DAILY GEOLOGICAL WELL REPORT
1999-01-10

Paramount et al Netla M-23

Report To:	PAUL COLLENS	Report From:	JEFF BOULTER
Spud Date:	December 1	Telephone:	1600 700 5042
Gd. Elevation:	273.1	Days from Spud:	24
Depth @ 6:00:	2156 m	K.B. Elevation:	278.25
Status @ 8:00:	Drilling ahead	Formation:	Arnica
24 hr Progress:	26 m	Average ROP:	1.2 m/hr

OPERATIONS SUMMARY - Last 24 Hours

Drilled ahead 156 mm hole, there was no drilling breaks or gas peaks to circulate up.
still looking for good quality porosity for core point.

SURVEYS

2123.0 m 3.75 degree

MUD PROPERTIES

Type: Invert
Density: 1060 kg/m³
Viscosity: 48 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 in the Arnica, look for possible core point

Gas 2133 - 2156.0m

5-17 units

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Page 1 of 2 Sunday, January 10, 1999 7:48 AM

CANSTRAT SYMBOLS USED FOR LITHOLOGY AND SHOWS

SCALE 1:240

