

DAILY DRILLING REPORT

WELL	Para et al Netla M-23				REPORT #	28	DATE	12-Jan-99
DEPTH	2208	PROGRESS	20	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		1020	SALINITY		MILBAR	85	MUD GRAD. (KPA/M)
VISCOSITY		48	CHLORIDES	216000	DIESEL		CYCLE MAIN HOLE(MIN)
W.L.			CALCIUM	108000	Shrink wrap		BOTTOMS UP (MIN)
pH				Vol. Frac.	OILGEL3000		PUMP (M3/STROKE)
F.C.		2	SAND	0.005	Ca.Chl. Fines		MUD TANKS (M3)
FANN 600		24	SOLIDS	13.6	LIME		MAIN HOLE (M3)
FANN 300		13		UF/OF	MILMICA		TOTAL (M3)
P.V.		11	OIL %	85	DFE 418		WATER LOADS ON LOC.
Y.P.		1	WATER %	15	CARBOTEC		DAILY MUD COST
GELS 1/10		1.5/2.5	CNTFGE		CA. CARB.		MUD COST TO DATE
							\$135,916

BIT DATA

TIME BREAKDOWN

NO.	RR-2-B	3-B	BIT NO.	RR-2-B	3-B	DRILL	13.50	MIRU	
SIZE	156	156	WEIGHT	8,000	8,000	TRIP	9.75	DRL MH/RH	
TYPE	ETD537	F-3	RPM	60	60	RIG SERV	0.75	NIPPLE U/D	
SERIAL NO	136380	LT1922	STRING WT	47,000	48,000	SURVEY		PT BOP'S	
JETS	3 x 18	3 x 16	SPM	120	120	CIRCULATE		DRILL OUT	
FROM	2083	2189	M3/MIN	0.67	0.67	LOG		S&C LINE	
TO	2189	2208	PRESSURE	4,100	4,300	TEST		RIG REPAIR	
BIT METERS	106	19	DP VEL	54	54	CORE		LD DP/DC'S	
BIT HOURS	76.25	12.5	DC VEL	76	76	REAM		REC.CORE	
BIT ROP	1.4	1.50	NOZ VEL	29.6		CTB		SFTY MTG	
CUM HOURS	135.25	147.75	PUMP			CASING		BOP DRILL	
CONDITION	2-3-I	Run	TYPE	PZ-8		CEMENT		MIX L.C.M	
PULLED FOR	Hrs		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						
2085	2.75					12 x 4 3/4 Drill Collars	
213	3.75						
2163	3.5					LENGTH	

REMARKS & GENERAL REPORT DETAILS

0800-0915	Drilled 156 mm hole				
0915-1900	Tripped for bit @ 2189 MKB				
1900-0800	Drilled ahead with 156 mm hole				
				CUT(-) / FILL(+)	
				GR. ELEV. (Corrected)	273.10
				KB - GROUND:	5.15
				ACTUAL KB:	278.25
				REPORT TO:	Wayne Tomr
WEATHER/TEMP	Clear -28	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	\$34,313	CUM. COST	\$1,508,585

HIGHWOOD WELLSITE SERVICES INC.
DAILY GEOLOGICAL WELL REPORT
 1999-01-14

Paramount et al Netla M-23

Report To: **PAUL COLLENS**
 Spud Date: **December 17**
 Gd. Elevation: **273.1**
 Depth @ 6:00: **2280 m**
 Status @ 8:00: **Pulling out of hole to log**
 24 hr Progress: **36 m**

Report From: **JEFF BOULTER**
 Telephone: **1600 700 5042**
 Days from Spud: **28**
 K.B. Elevation: **278.25**
 Formation: **Pre Devonian**
 Average ROP: **1.5 m/hr**

OPERATIONS SUMMARY - Last 24 Hours

Drilled 156 mm hole to total depth 2280.0 m, circulate sample, wiper trip, circulate, start to pull out to log

MUD PROPERTIES

Type: **Invert**
 Density: **1020 kg/m³**
 Viscosity: **45 s/L**
 Water Loss: **cm³/30 min**
 pH:
 Filter Cake: **mm**

SAMPLE TOPS

Formation	Sample Depth	TVD	Subsca	Prognosis Subsca	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

Finish pulling out of hole, rig in loggers, run open hole logs with possible DST

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'

COORDINATES:

ELEVATIONS: GD 273.1 m

LOG MEASURED FROM KB

KB 278.25 m

5.1 m ABOVE GROUND

WELL TYPE: Gas Exploration

TOTAL DEPTH: 2280.0 m

SPUD DATE: December 17, 1998

T.D. DATE: January 14, 1999

LICENCE No.: WID 1841

AFE No.: 17168

CONTRACTOR: Precision Drilling

CORES: Baker Hughes Inteq

MUD TYPE: **Invert**

Core#1 Arnica 2080.0 - 2083.2 m

MUD UP @: 500.0m

SAMPLES: 5 meter intervals

Paramount: 500.0 - Total Depth

N.E.B. : 500.0 - Total Depth

DSTs:

OPEN HOLE LOGS:

SUPERVISION

GEOLOGICAL: JEFF BOULTER

DRILLING: AL IRONSIDE

CASING DEPTH

SURFACE:	499	m
INTERMEDIATE:	1840	m
MAIN:		m

CASINO SIZE

SURFACE:	320.42	mm
INTERMEDIATE:	177	mm
MAIN:		mm

HOLE SIZE

SURFACE: 339.73 mm
INTERMEDIATE: 222 mm
MAIN: mm

REMARKS:

CANSTRAT SYMBOLS USED FOR LITHOLOGY AND SHOWS

SCALE 1:240



