

DAVE WILSON OILFIELD CONSULTING LTD.

DAILY DRILLING REPORT

WELL	Para et al Netla M-23			REPORT #	19	DATE	3-Jan-99
DEPTH	1955	PROGRESS	66	OPERATION	800	Drilling 156mm underbalanced	

DRILLING FLUID / SOLIDS CONTROL

TYPE	Oil Base	TIME CHK	200	ENGINEER	Jody Kereliuk	MOBILE	
	LOG BOOK	CHECK	mg/L		ADDITIVES		
DENSITY		980	SALINITY		GEL		MUD GRAD. (KPA/M) 9.81
VISCOSITY		75	CHLORIDES	113000	CAUSTIC		CYCLE MAIN HOLE(MIN) 45
W.L.			CALCIUM	85000	LIME	14	BOTTOMS UP (MIN) 24
pH			Vol. Frac.		SODA ASH		PUMP (M3/STROKE) 0.0124
F.C.		2	SAND	0.005	LIGNITE		MUD TANKS (M3) 57.7
FANN 600		27	SOLIDS	9.2	ALCOMER		MAIN HOLE (M3) 34
FANN 300		15		UF/OF	DIESEL		TOTAL (M3) 91.6
P.V.		12	OIL %	91	MILBAR		WATER LOADS ON LOC.
Y.P.		1.5	WATER %	9	SAWDUST		DAILY MUD COST
GELS 1/10		1.5/2.5	CNTFGE		INVERT		MUD COST TO DATE \$62,130

BIT DATA

TIME BREAKDOWN

NO.	1-B	BIT NO.	1-B	DRILL	20.50	MIRU	
SIZE	156	WEIGHT	6,000	TRIP		DRL MH/RH	
TYPE	EHP53A	RPM	60	RIG SERV	0.50	NIPPLE U/D	
SERIAL NO	LX8456	STRING WT	44,000	SURVEY		PT BOP'S	
JETS	3 x 20	SPM	58	CIRCULATE	1.00	DRILL OUT	
FROM	1889	M3/MIN	0.31	LOG		S&C LINE	
TO	1955	PRESSURE	4,200	TEST		RIG REPAIR	
BIT METERS	66	DP VEL		CORE		LD DP/DC'S	
BIT HOURS	20.50	DC VEL		REAM		BLEED OFF	1.75
BIT ROP	3.2	NOZ VEL		CTB		SFTY MTG	
CUM HOURS	20.5	PUMP		CASING		BOP DRILL	0.25
CONDITION	Run	TYPE	PZ-8	CEMENT		Change Kelly	
PULLED FOR		LINER/STK	203 x 165	WOC		TOTAL	24.00

SURVEYS

BOTTOM HOLE ASSEMBLY

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION	156mm Bit, B/S, 2x BH Floats, 12 DCs	
						91 Stds DP, String Float	
						LENGTH	

REMARKS & GENERAL REPORT DETAILS

0800-0825 Held BOP Drill with crew
 0825-1030 Drilled 156mm Underbalanced hole
 1030-1215 Bled down drill string, changed out faulty string float { Hole produced App. 4m3 of fresh water while bleeding down well to change choke }
 1215-0800 Drilled 156mm Underbalanced hole

				CUT(-) / FILL(+)	
				GR. ELEV. (Corrected)	273.10
				KB - GROUND:	5.15
				ACTUAL KB:	278.25
				REPORT TO:	Wayne Tomm
WEATHER/TEMP	Snowing - 16	RD/LEASE	Firm	LAST BOP DRILL DL	2-Jan
SUPERVISOR	Dave Wilson	MOBILE	1-600-700-5042	LAST BOP DRILL AN	1-Jan
RIG MANAGER	Greg Beller	MOBILE		LAST BOP DRILL MN	
CONTRACTOR	Precision 379	DAILY COST	\$31,967	CUM. COST	\$1,125,853

HIGHWOOD WELLSITE SERVICES INC.
DAILY GEOLOGICAL WELL REPORT
 1999-01-05

Paramount et al Netla M-23

Report To: PAUL COLLENS
Spud Date: December 1
Gd. Elevation: 273.1
Depth @ 6:00: 2057 m
Status @ 8:00: Drilling ahead 156 mm hole
24 hr Progress: 40 m

Report From: JEFF BOULTER
Telephone: 1600 700 5042
Days from Spud: 19
K.B. Elevation: 278.25
Formation: Headless
Average ROP: 2.5 m/hr

OPERATIONS SUMMARY - Last 24 Hours

Drilled ahead underbalanced, took on water, stopped pumping N2, loss circulation, mixed LCM, drilled ahead 156 mm hole with Invert

MUD PROPERTIES

Type: Invert
Density: 980 kg/m³
Viscosity: 68 s/L
Water Loss: cm³/30 min
pH:
Filter Cake: mm

SAMPLE TOPS

Formation	Sample Depth	TVD	Subsca	Prognosis Subsca	Change
Exshaw	487.0	0.0		-207.2	
Kotcho	502.0	0.0		-221.2	
Tetcho	867.0	866.4	-588.2	-598.2	10.0
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	1958.0	0.0	278.3	-1717.2	1995.4

FORECAST ACTIVITIES

Drill ahead 156 mm hole with possible bit trip

1999 JAN 03 1999 7:05 AM

001/05/89 TUE 11:21 FAX 403 266 6032

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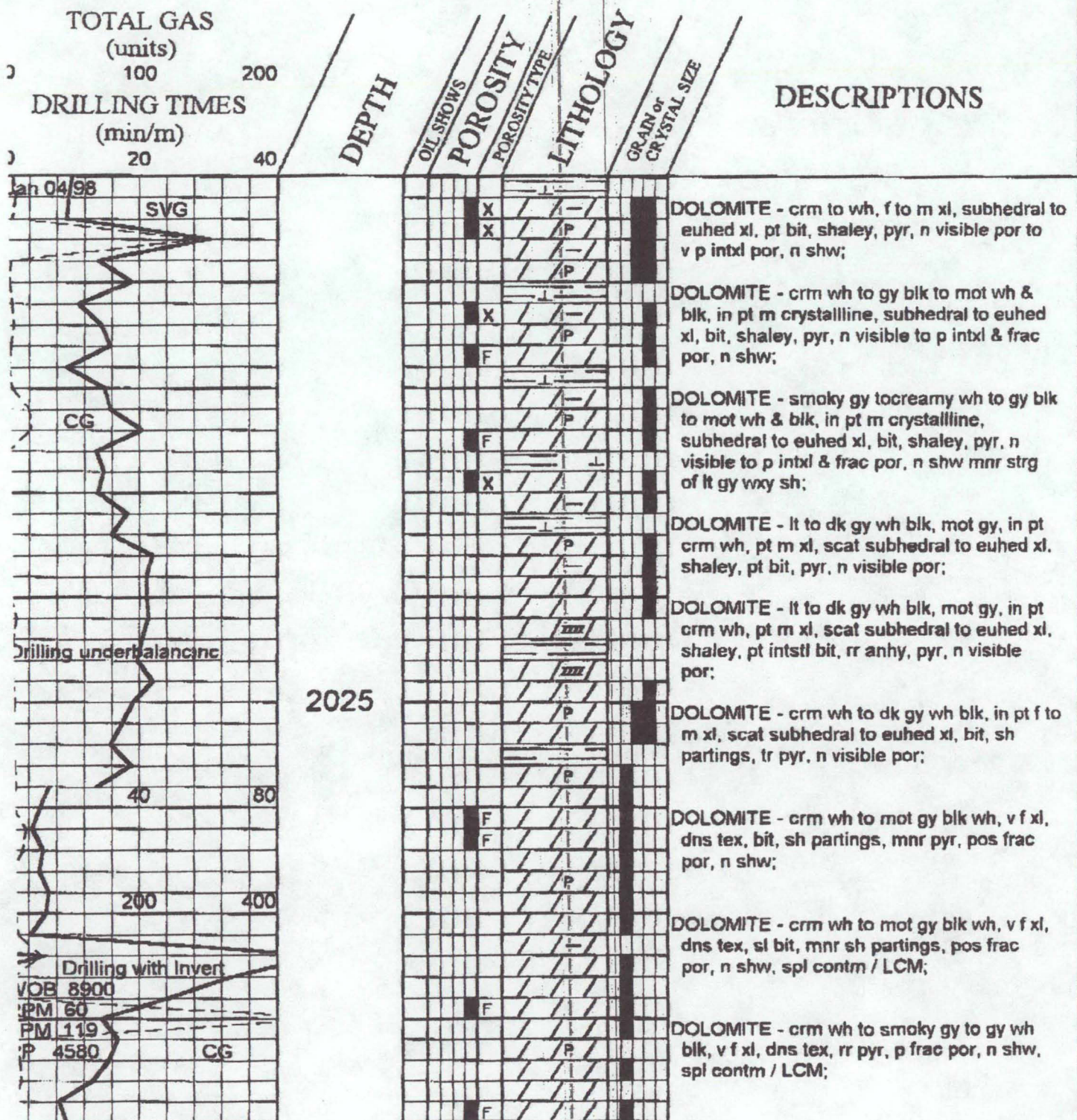
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CANSTRAT SYMBOLS USED FOR LITHOLOGY AND SHOWS

SCALE 1:240



2050

