

PARAMOUNT RESOURCES LTD.

DAILY DRILLING REPORT

FOR 24 HR PERIOD ENDING 98-Dec-22 00:00
Yr - Mon - Day - Time

WELL NAME PARAMOUNT et al NETLA LOCATION M - 23

Day 7 Depth 946 Metres last 24 hr 123

Rotating hrs 17

Activity at report time DIRECTIONALLY DRILLING 222 mm. HOLE

DRILLING MUD PROPERTIES AT SHAKER/SUCTION/PIT

Wt 915 Vis 60 WL 19 Gels Solids 2.8 % PV 8 YP 1.4 pH
Oil 94 % Sand 0.005 % Cake 2 PPMCL PPMCa

BIT RECORD

BIT NO.	SIZE mm	MAKE & TYPE	SER. NO.	BIT		DEPTH OUT m	m DRLD TODAY	CUM m. DRLD	Rot hrs TODAY	CUM. Rot hr	m/hr	Dull Cond.		
				WT	RPM							T	B	G
2	222	EHT-11	MB3190	07-Nov	MTR.	RUN	123	168	16.75	27.10	6.20			

CIRCULATION RECORD

BIT NO.	JETS - mm			PUMP				ANN. VEL.		JET VEL.	HHP	SURF. PRESS. kPa
	1	2	3	STROKE	SPM	LINER	m ³ /MIN	DP	DC			
2	11.1	11.1	11.1	203	105	165	1.302	18	57.1	74.75		9000

DEVIATION SURVEYS

MUD & CHEMICALS ADDED

3	"	at	799 m	1 1/9	"	at	866 m
2 2/5	"	at	818 m	1 1/3	"	at	885 m
1 2/3	"	at	837 m	1 2/5	"	at	895 m
1 1/5	"	at	850 m	1 2/5	"	at	921 m

15 m3. OF BASE OIL

BOTTOM HOLE ASSEMBLY

TIME ANALYSIS

TOOL	ID mm	OD mm	LENGTH m	WEIGHT daN	OPERATION		TODAY	CUM.
BIT		222	0.25		1. Drilling		16.75	73.25
MUD MOTOR		170	7.17		2. Trips		2.00	
FLOAT SUB	0.58	164	0.71		3. Rig Service		0.50	
MONEL D.C.	0.83	160	9.37		4. Deviation Surveys		3.50	
PULSER SUB	0.83	158	1.17		5. Ream & Cond. Hole			
MONEL D.C.	0.83	162	9.19		6. Mix & Cond. Mud			
X. O. SUB	0.82	153	0.36		7. Circulation			
16 - DRILL COLLARS	0.58	159	147.70		8. Rig Repair		0.50	
X. O. SUB	0.6	153	0.78		9. Run Casing & Cement			
					10. Fishing			
					11. Logging			
					12. Coring			
					13. Formation Testing			
					14. Waiting on:			

COSTS

DAILY	\$22,859	
CUMMULATIVE	\$440,946	
SUPERVISOR	AL IRONSIDE	
PHONE :	1-600-700-5042	
		TOTAL 24.00

HIGHWOOD WELLSITE SERVICES INC. DAILY GEOLOGICAL WELL REPORT 1998-12-24

Paramount et al Netla M-23

Report To: PAUL COLLENS
Spud Date: December 1
Gd. Elevation: 273.1
Depth @ 6:00: 1213 m
Status @ 8:00: Directional drill ahead
24 hr Progress: 187 m
Cumulative Cost: 499,644

Report From: JEFF BOULTER
Telephone: 1600 700 5042
Days from Spud: 7
K.B. Elevation: 279.8
Formation: Fort Simpson
Average ROP: 10 m/hr

OPERATIONS SUMMARY - Last 24 Hours

Run in hole with new bit, directional drill ahead 222 mm hole. I alerted the loggers for Sunday Dec 27/98.

SURVEYS

1198.43 md / 3.20 Inc / 185.0 Az / 1197.52 TVD / 14.53 m N / -4.68 m E / 0.55 DOG
LEG

MUD PROPERTIES

Type: Invert
Density: 915 kg/m³
Viscosity: 58 s/L
Water Loss: 20 cm³/30 min
pH:
Filter Cake: mm

SAMPLE TOPS

Formation	Sample Depth	TVD	Subsea	Prognosis Subsea	Change
Scatter	113.0	0.0		162.5	
Garbutt	245.0	0.0		136.8	
Banff	297.0	0.0		34.8	
Exshaw	487.0	0.0		-207.2	
Kotcho	502.0	0.0		-221.2	
Tetcho	867.0	0.0		-598.2	
Kakisa	942.0	0.0		-690.2	
Fort Simpson	1057.0	0.0		-770.2	

FORECAST ACTIVITIES

Directional drill ahead

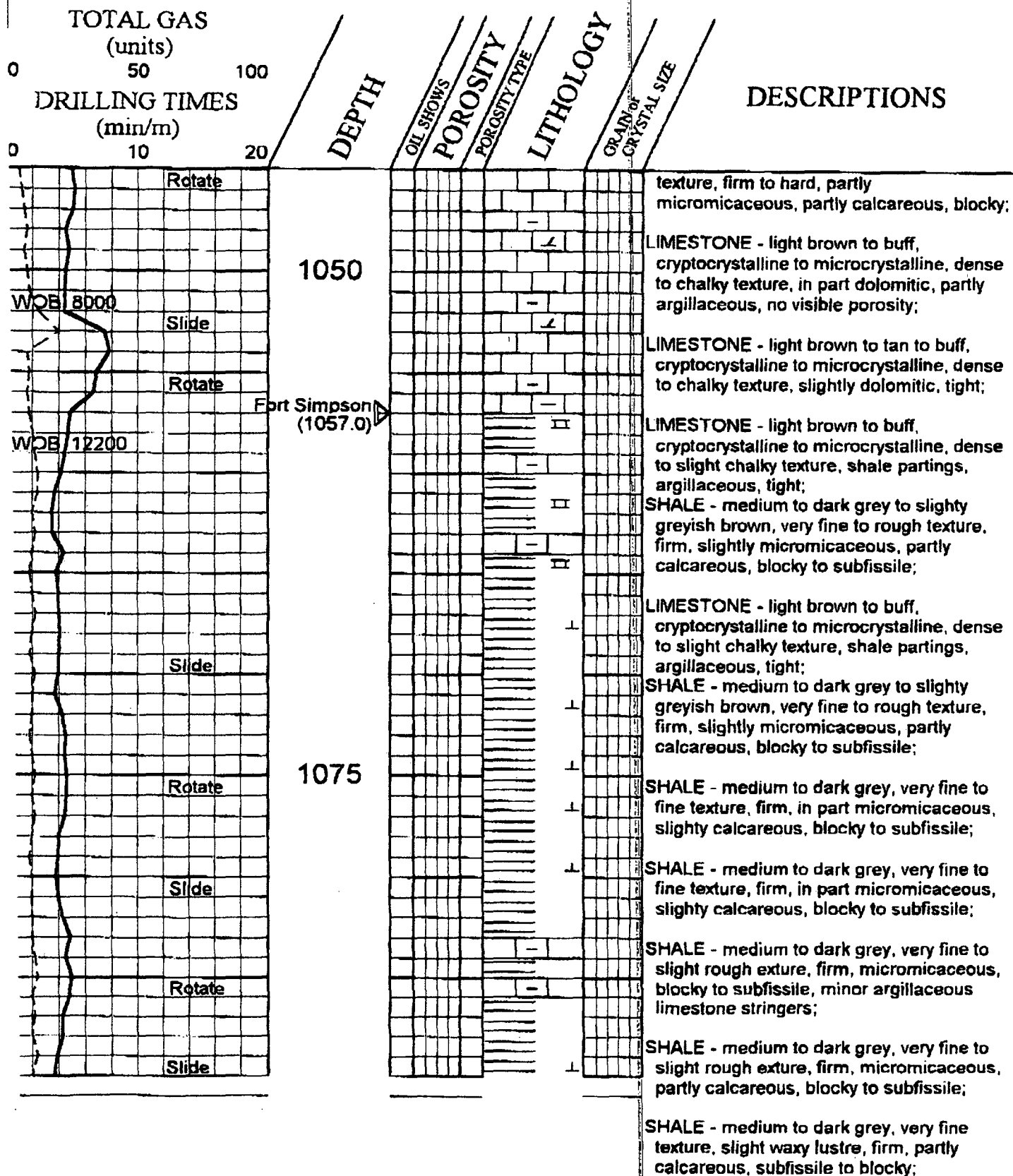
HIGHWOOD WELLSITE SERVICES INC. 41 Riverview Circle COCHRANE, Alberta (403) 932-2916		COMPOSITE WELL HISTORY DRILLING TIME LITHOLOGY LOG	
COMPANY: PARAMOUNT RESOURCES LTD. WELL: Paramount et al Netla M-23 FIELD: PROVINCE: NorthWest Ter. LOCATION: M-23 60 Deg 50' 123 Deg 00'			
COORDINATES: ELEVATIONS: GD 273.1 m KB 278.25 m WELL TYPE: Gas Exploration SPUD DATE: December 17, 1998 LICENCE No.: WID 1841			
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:		LOG MEASURED FROM KB 5.1 m ABOVE GROUND TOTAL DEPTH: T.D. DATE: AFE No.: 17168 CORES: OPEN HOLE LOGS:	
SUPERVISION GEOLOGICAL: JEFF BOULTER		DRILLING: AL IRONSIDE	

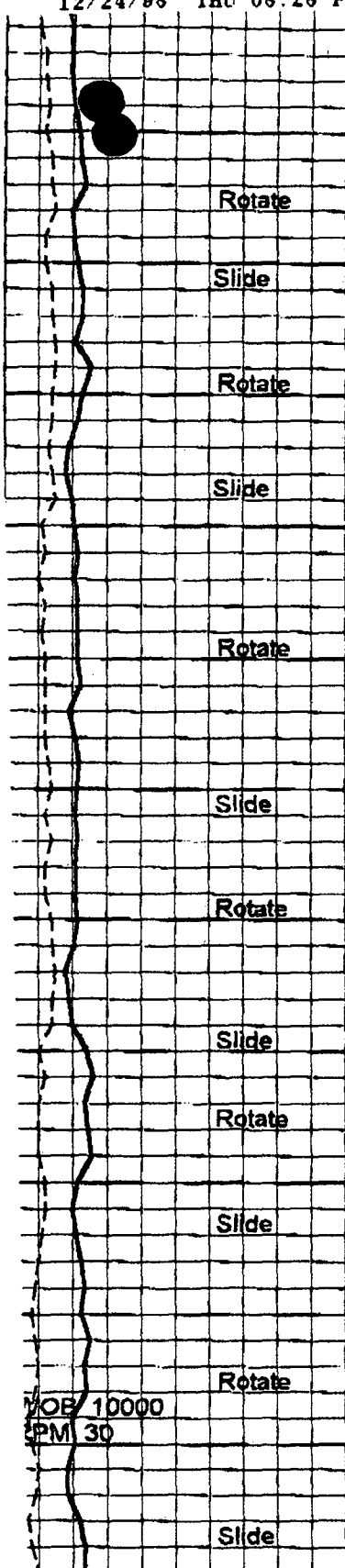
CASING DEPTH	SURFACE: 499 m
	INTERMEDIATE: 1840 m
	MAIN: m
CASING SIZE	SURFACE: 320.42 mm
	INTERMEDIATE: 177 mm
	MAIN: mm
HOLE SIZE	SURFACE: 339.73 mm
	INTERMEDIATE: 222 mm
	MAIN: mm

REMARKS:

CANSTRAT SYMBOLS USED FOR LITHOLOGY AND SHOWS

SCALE 1:240

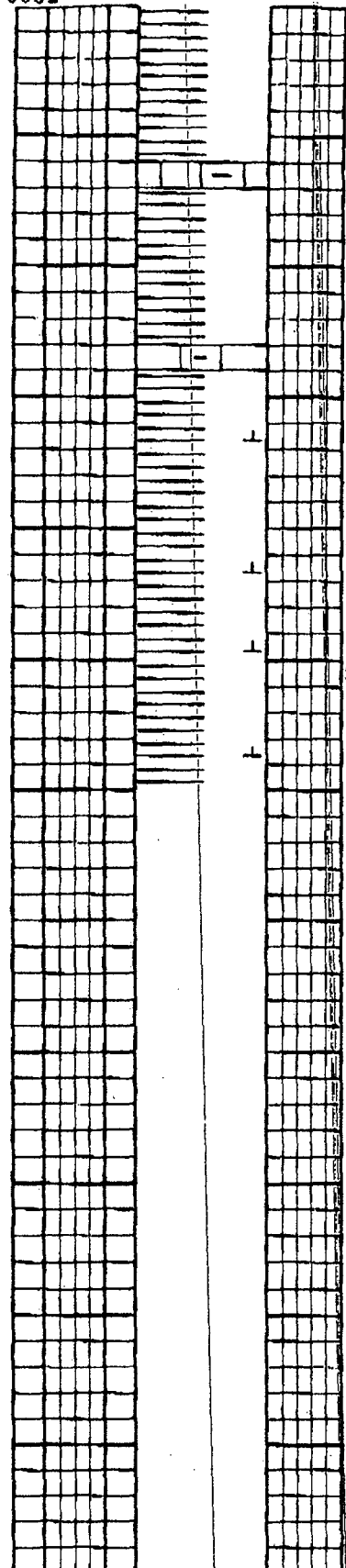




1100

1125

1150



SHALE - medium to dark grey, very fine to slight rough texture, firm, slightly micromicaceous, partly calcareous, blocky to subfissile;

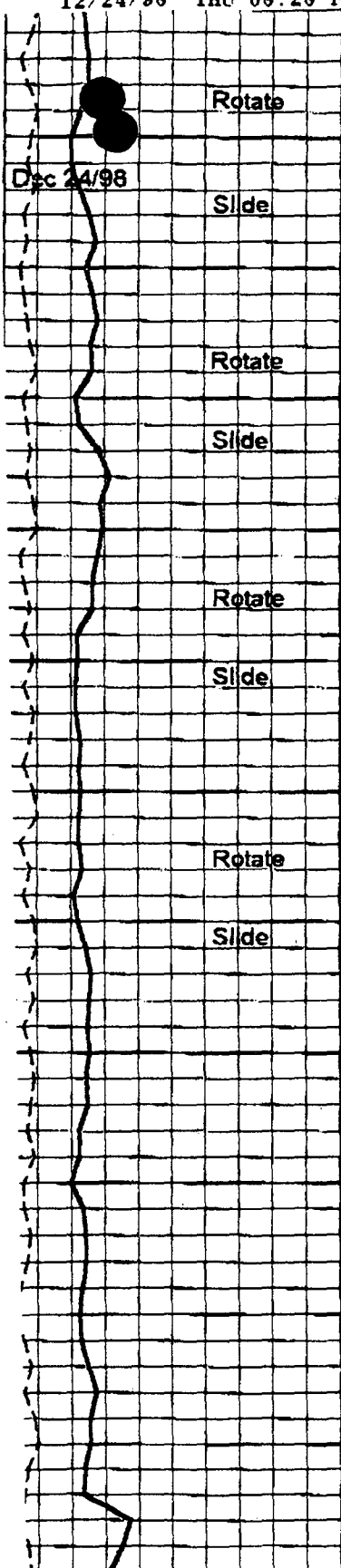
SHALE - medium to dark grey, very fine to slight rough texture, firm, micromicaceous, partly calcareous, blocky to subfissile;

SHALE - medium to dark grey, very fine to slight smooth texture, firm, partly calcareous, blocky to subfissile;

SHALE - medium to dark grey, very fine to slight rough texture, firm, partly calcareous, blocky to subfissile;

SHALE - medium to dark grey, very fine to slight smooth texture, firm, partly platy, partly calcareous, blocky to subfissile;

MOB 10000
PM 30



Dec 24/98

Rotate

Slide

Rotate

Slide

Rotate

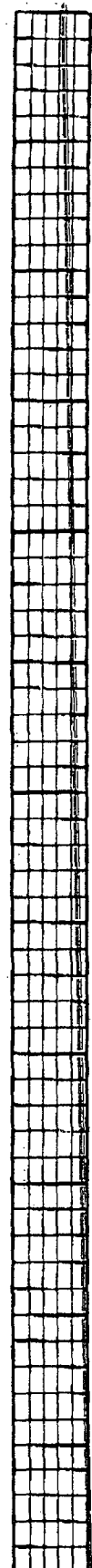
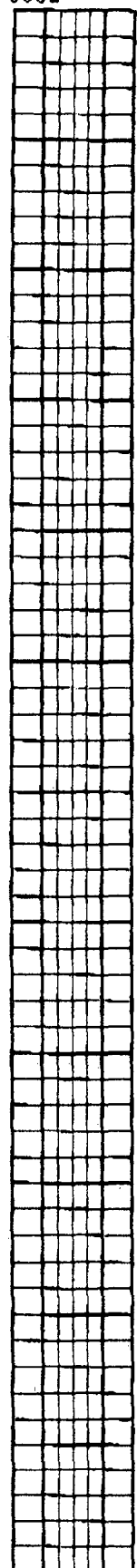
Slide

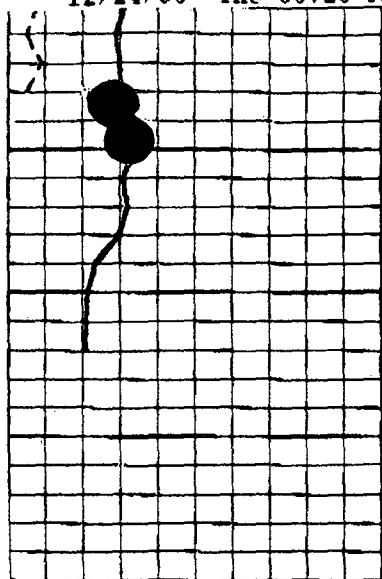
Rotate

Slide

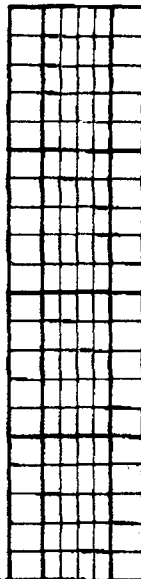
1175

1200





1225



0021
PHUE 00

DAILY COSTS

COMPANY: Paramount Resources Ltd. RIG: Precision 379
WELL: Paramount Berkley Net'a M-23 DATE: 12/20/98
LOCATION: Lat: 60° 42' 58.402" Long 123° 05' 12.125" FILE #: 9126
FIELD REP: Al Ironside DIRECT'L SUPERVISOR: B. BASKIN

DESCRIPTION	PER UNIT	S 12/20/98	M 12/21/98	T 12/22/98	W 12/23/98	R 12/24/98	F 12/25/98	S 12/19/98	TOTAL
DIRECTIONAL SUPERVISOR 1	\$675.00							\$675.00	\$675.00
LAND SUPERVISOR 1	\$625.00							\$625.00	\$625.00
WARRANTY	\$150.00							\$150.00	\$150.00
KILOMETERS		50	50	50	0	0	0	1400	1550
PER		2	2	2	0	0	0	2	
KILOMETERS CHARGE	\$0.75	\$75.00	\$75.00	\$75.00	\$0.00	\$0.00	\$0.00	\$2,100.00	\$2,325.00
MOTOR INSPECTION	\$350.00	\$350.00							\$350.00
MOTOR HOURS		2.75	16.75	23.50	0.00	0.00	0.00	0.00	43
MOTOR CHARGE	675-215	\$215.00	\$591.25	\$3,601.25	\$5,052.50	\$0.00	\$0.00	\$0.00	\$9,245.00
SYSTEM/OPERATING/DAY	\$3,300.00	\$3,300.00	\$3,300.00	\$3,300.00					\$9,900.00
EQUIPMENT/STAND-BY/DAY	\$1,200.00								\$1,200.00
DAY SUB	750								
WELDER SUB	PS625-79								
WELDER SUB	PS625-83								
PT SUB	025-001								
PT SUB	MOTOR								
PT SUB	MOTOR								
D SUB	"X625-50								
WDC	625-20								
WDC	625-24								
PE SCREEN	\$250.00	\$250.00							\$250.00
TOTAL:		\$4,566.25	\$6,976.25	\$8,427.50	\$0.00	\$0.00	\$0.00	\$3,550.00	\$23,520.00

FIELD ESTIMATE ONLY"

PAGE TOTAL WITHOUT GST \$23,520.00
PREVIOUS TOTAL WITHOUT GST \$0.00
TOTAL TO DATE WITHOUT GST \$23,520.00
GST \$1,646.40
TOTAL INVOICE TO DATE **\$25,166.40**

P.21

94%

403 266 6032

DEC-23-1998 08:38

12/23/98 WED 08:32 FAX 403 266 6032

08:11 AM

Survey Calculation Program

Company: Paramount Resources Ltd.

Well Name: Paramount Berkley Netla M-23

Location: Latitude 60° 42' 58.402" Longitude 123° 05' 12.126"
co rep: Al Ironside

Vertical Section calculated on an Azimuth of: 0.0000

Survey Calculation Method: Minimum Curvature

FileName: C:\BIII\Work\PARAMOUNT\9126\FILES\1.ar6

#	Depth M	Inc Deg	AZM Deg	TVD M	SubSea M	North M	East M	Section M	Dogleg /30m	BUILD /30m	TURN /30m
33	1016.56	2.50	190.40	1016.96	-1294.21	24.87	-3.14	24.97	1.93	1.91	6.36
34	1026.28	3.00	193.80	1026.67	-1303.92	24.61	-3.24	24.61	1.62	1.64	10.49
35	1037.76	3.40	196.30	1037.13	-1315.38	23.89	-3.41	23.89	1.11	1.05	6.53
36	1048.63	3.20	195.10	1046.99	-1324.24	23.40	-3.55	23.40	0.72	0.68	4.06
37	1058.03	3.40	198.30	1055.37	-1333.52	22.88	-3.70	22.88	0.87	0.64	10.21
38	1066.75	3.40	198.60	1065.08	-1343.33	22.33	-3.88	22.33	0.04	0.00	0.62
39	1075.09	3.50	197.50	1074.40	-1352.55	21.80	-4.06	21.80	0.37	0.32	3.21
40	1084.76	3.60	192.90	1084.06	-1362.30	21.23	-4.21	21.23	0.87	0.00	14.27
41	1094.65	3.50	187.20	1093.82	-1372.07	20.64	-4.32	20.64	1.07	0.00	17.47
42	1103.85	3.50	181.10	1103.21	-1381.46	20.07	-4.36	20.07	1.19	0.00	19.47
43	1113.30	3.70	173.10	1112.54	-1390.79	19.49	-4.33	19.49	1.73	0.64	25.67
44	1122.66	3.80	172.20	1121.87	-1400.12	18.88	-4.25	18.88	0.37	0.32	2.89
45	1132.34	3.60	179.20	1131.64	-1409.79	18.27	-4.20	18.27	1.86	0.93	21.67
46	1141.67	3.40	182.50	1140.85	-1419.10	17.71	-4.21	17.71	0.71	0.32	10.61
47	1151.02	3.30	187.90	1150.19	-1428.44	17.16	-4.26	17.16	1.06	0.32	17.33
48	1160.73	3.10	191.30	1159.88	-1438.13	16.63	-4.36	16.63	0.85	0.62	10.60
49	1170.41	3.20	191.40	1169.55	-1447.80	16.11	-4.45	16.11	0.31	0.31	0.31
50	1179.80	3.30	189.20	1178.92	-1457.17	15.58	-4.55	15.58	0.61	0.32	7.03
51	1189.46	3.30	187.30	1188.58	-1466.61	15.03	-4.63	15.03	0.34	0.00	5.90
52	1198.43	3.20	185.00	1187.62	-1476.77	14.53	-4.68	14.53	0.66	0.33	7.69

Closure is 15.2626 meters on an Azimuth of 342.1318