

## Daily Geological Report

Paramount Resources Ltd.

Date: 25th November 2000

Country: Canada

Well: Paramount et al Mount Coty I-02

To	Attention	Fax Number
Paramount Resources Ltd.	Paul Price	(403) 266-6032

Report No: DGR 40	Rig: Akita Rig #51	Province: N.W.T.	LSD: I-02-60-20-123-30
Spud Date: 16-Oct-00	Days from Spud: 40	K.B. 372.95m aMSL	G.L. 367.90m aMSL

Hole Size: 222mm	Casing: 244.5mm @514m	Bit Type: F47H (Smith)	Hours Drilling: 12.5
Mud Type: Gel-chem	Drill Mode: Rotary	M.W.: 1280	Average ROP: 1.3m/hr
Vis: 65	pH: 10.0	F.L.: 6.5	CI: --

## 24 Hour Operations Summary (00.00-24.00 hours)

Drill from 1689-1705m, POOH for bit, lay down MWD tools, rig repair (1.5hrs), change bit, RIH, slip & cut, RIH.		
Midnight Depth: 24-11-00	1705m MD, -1332.1m TVDSS	Progress: 16m

Status at 0600 hours (25<sup>th</sup> Nov.)

Depth m MD KB	(TVD SS)	Formation
1711m	-1338.1m	Flett?
Present Operation: Drilling		

## Stratigraphy

Formation Tops	Sample (mKB)		Prognosed (mKB)		Isopach		Hi/Lo (-)
	MD	TVDSS	MD	TVDSS	Sample	Prog	
Mattson	962.8	-589.9	962.8	-589.9	117.2	125.0	.
M1 Zone	1080.0	-707.1	1087.8	-714.9	24	24.0	7.8
M2 Zone	1104.0	-731.1	1111.8	-738.9	122	126.0	7.8
M3 Zone	1226.0	-853.1	1237.8	-864.9	26.5	23.0	11.8
M4 Zone	1252.5	-879.6	1260.8	-887.9	20.3	30.0	8.3
M5 Zone	1272.8	-899.9	1290.8	-917.9	73	70.0	18
M6 Zone	1345.8	-972.9	1360.8	-987.9	83.2	81.0	15
M7 Zone	1429.0	-1056.1	1426.0	-1053.1	19.3	22.0	-3.0
M8 Zone	1448.3	-1075.4	1448.0	-1075.1	66.7	67.0	-0.3
M9 Zone	1515.0	-1142.1	1515.3	-1142.4			
M10 Zone	1587.0	-1194.1	1561.0	-1188.1			
Golata	1647.0	-1274.1	1640.0	-1267.1			
Flett	1709.0?	-1336.1					

Next Operation (06:00 hours onwards): Drill ahead to TD.

## Remarks:

Good morning, Paul. The section drilled yesterday consists of shale with interbedded sandstone & minor dolomite. Most of the sandstone is very-fine grained, silty & tight, however, between 1698.5-1702m there is a very fine to fine grained subquartzarenite that has common variably poor to trace streaky fair intergranular to trace dissolution porosity with a bituminous oil staining & poor to fair cut. Cements are dominantly siliceous with minor to locally common spotty to streaky dolomitic cement. This interval had a fair gas show.

The Flett top appears to be between 1709-1712m. The 1710m sample contains ~15-20% dolomite which is predominantly as described above but also includes a few percent of dolomitized packstone to wackestone (crinoidal in part). A spot sample at 1712m contained ~40-50% bioclastic limestone & marl. The limestone has a similar texture to the dolomitized packstone/wackestone found in the 1710m sample. It is possible that the contact is dolomitized in which case I would pick the Flett top @ 1709m.

Regards

G. Johannson Wellsite Geologist

End of Report

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P. 05

Curve Track 1

ROP (min/m)

Gas (units)



00:00hrs  
24-Nov-00  
Drilling @ 1689m  
FOB: 28  
RPM: 56  
SPM: 90  
PP: 8200

Dens: 1280  
Vis: 63  
WL: 7.0  
PH: 10.5

ROP (min/m)  
Gas (units)

20  
800

00:00hrs  
25-Nov-00  
Tripping @ 1705 Trip for bit @ 1706m

FOB: 25-28  
RPM: 56  
SPM: 80  
PP: 8200

Dens: 1280  
Vis: 60  
WL: 6.0  
PH: 10.5

Porosity Lithology

Grain Size

Geological Descriptions

Depth

1680

1695

1700

1706

1710

1716

1720

1725

1730

1735

Porosity Type  
Silt  
Clay  
Fines

Grain Size  
200 mesh  
100 mesh  
60 mesh  
40 mesh  
20 mesh  
10 mesh  
5 mesh  
Sorting  
Sounding  
Oil Shows

1685-1688 SH w/ Intbd SS; SH v dk brn, frm-sft, sb pty-sb blk, sb fls, v fnty mm, sl-v slty grd-g-v arg sltet lp, sl-mod dolc, qtzs, v hd, dns, sl-mod arg, sl sdy, mod-v dolc grd-g-sly dol strg ip, tt, n/s.

1693-1698 INTBD SS, DOL & SH; DOL m brn, crp-miclin, vary glauc, pred vary slty grd-g-dolc sltet strgs, mnr spary incl, vary calc grd-g-dolc ls lp, mnr oot & rr crin, n vis por, com dull yel flor, tr ques cut; SS off wh-m gy, pred vf gr & vary slty, v qtzs w/ var dolc grs (sb litharen), clin-vary arg, m w srt, ang-srd, comy disagg, vary p-w lnd, com silc cmt, mnr str dolc cmt, tr p por, mnr sp flor, n cut; SH dk gy-blk, pty-sb blk, vary carb-coaly, mnr fram pyr.

1698-1705 SS w/ mnr intbd SH; SS pred lt-m brn, mnr lt gy, pred vf-l gr, vf gr & slty lp, pred sb qtzaren w/ var tr-mnr dolc grs loc grd-g-sb litharen, m w srt, ang-rd, clin-sl arg, vary w-m p lnd, disagg lp, com silc & mnr-com sp-str dolc cmt, pred tt-2% por, mnr-com var p-tr str fr intgran-tr dissln por, com ptchy bituminous o stn, com sp-ptchy dull-mod yel flor, mnr thn p-fr milky cut; SH aa, tr-mnr dol

1705-1700 SH w/ Intbd SS & DOL; SH dk gy-blk, vary frm, pty-sb pty, fls, sm & v fnty mm lp, vary slty & mm ip, vary carb-coaly w/ mnr coaly lama, tr mrl strgs; SS lt gy-lt brn, pred vf gr & slty, v qtzs grd-g-qtzaren, clin-vary arg, mnr arg ptgs, w srt, ang-rd, m-w lnd, abnt dolc-calc cmt, n vis por, mnr-com sp flor, n cut; DOL pred aa, tr-mnr rexl biocl pkst-wkst, tt, n/s.