

## DAILY GEOLOGICAL REPORT

DGR 04

<b>Date:</b>	01 August 2006	<b>Licence / State:</b>	P39 (V) / VIC
<b>Report Period:</b>	06:00 - 06:00 Hours	<b>Rig:</b>	Ensign 32
<b>Days from Spud:</b>	3	<b>GL:</b>	2.7m
<b>Current Hole Size:</b>	17.5"	<b>RT:</b>	8.6m
<b>Depth @ 0600 Hrs:</b>	320m MDRT	<b>PTD:</b>	2281m MDRT (-1338mSS)
	-306m TVDSS	<b>Spud Date:</b>	04:30 hrs 29/07/06
<b>24 Hr Progress:</b>	0m		
<b>Current Operation:</b>	Pressure testing BOPs.		
<b>Nope Cost</b>	(Drill)\$ (C&S)\$ (P&A)\$	<b>Cost To Date:</b>	

Casing Data	Hole Size	Depth	Casing Size	Wt:	Type	Shoe Depth	LOT
(Conductor)		100m	20"			60m	
	17.5"	320m	13.375"	54.5	J55 BTC	317m	EMW= ppg
	12.25"		9.625"	47.0	N80 BTC		

Mud Data	Type:	Wt:	Visc:	WL:	PH:	KCl%:	Cl -:	PV/YP:	Rmf:
	KCL	9.1	68	8.5	9.5	1.0	7000	15 / 34	-

Bit Data	No.	Make	Type	Size	Hours	Meters	Condition
	1	Reed	Rock T11C	17.5"	0.45	20	0-0-NO-A-O-I-RR-BHA
	1RR	Reed	Rock T11C	17.5"	2.95	200	1-1-NO-A-O-I-RR-TD

Surveys	Type	MD (m)	Inclination	Azimuth (T)	TVD (m)	Offset (m)	Direction (T)
	MWD	261.6	16.6	112.2	260.3	14.4	115.5
	MWD	276.5	19.1	117.1	274.5	19.0	115.4
	MWD	291.3	21.7	120.0	288.4	24.1	116.1
	MWD	303.7	23.2	118.7	299.9	28.9	116.6

## OPERATIONS SUMMARY

**Previous 24 hrs Operations Summary:**

Wait on cement for a total of 5.5 hours till 09:30hrs as surface samples were soft after 4 hours. Layout cement head, back out landing joint & rig down riser. Install Bradenhead. Nipple up BOPS. Install Bell nipple but the angle to the flowline was incorrect. Remove Bell nipple and modify same. Install Koomey lines, kill line and HCR. Pressure test the casing to 200psi low /1200 psi high to confirm integrity of Bradenhead connection. Install Bell nipple and flowline. Commence pressure testing of BOPs to 200psi low / 1700 psi high at 04:30hrs. Re-torque studs and nuts due to leak between spacer spools in seal area.

**Anticipated operations:**

Complete pressure testing BOPs. Pickup drillpipe and rack back 42 stands in the derrick prior to making up 12.25" directional BHA with motor. Run in hole, tag cement, drill cement, shoe track and 3m formation. Perform LOT. Drill 12.25" directional hole to ~625m building angle to ~70°.

**FORMATION TOPS (Preliminary Field picks)**

FORMATION	ACTUAL TOP		High / Low to	High / Low to	PROGNOSED TOP	
	(MDmRT)	(TVDmSS)	Prognosis	East Reeve-1	(MDmRT)	(TVDmSS)
Jemmy's Point	5.9	2.7	-	-	6	3
Tambo River (Coquina)	143.0	-134.4	30.6m High	30.8m High	180	-165
Gippsland Limestone	235.0	-225.9	5.9m Low	0.2m High	230	-220
Lakes Entrance Formation					1816	-919
Latrobe Coarse Clastics					2098	-1155
Latrobe N. Asperus (Coal)					2163	-1220
Total Depth					2281	-1338

**HYDROCARBON SHOW SUMMARY**

INTERVAL	LITHOLOGY & HYDROCARBON FLUORESCENCE	GAS

GAS	MD (m)	Peak	Background	Chromatograph
Trip Gas	-	-	-	-
Connection Gas	-	-	-	-

INTERVAL ROP (min/ft)	LITHOLOGY	GAS (Peak / BG) Composition