



**DAILY GEOLOGICAL REPORT**

DATE: 05 Dec 2009  
 REPORT NO.: 2  
 ( associated DDR # 2 )

**WELL: CBM93-004**

RIG	Wallis Rig D 39	RIG TYPE	Land
COMPLETION TYPE	Single Gas Producer	TARGET	Test gas potential of Puni Coal Measures
Depth at Midnight (MD)	142.0 m	SPUD DATE	04 Dec 2009
DAYS SINCE SPUD	1.39 ( Days on well: 4.00)	LAST CASING	10.000 in @ 15.0 m MD
PRESENT DEPTH MD	160.5 m	BACKGROUND GAS	Unit
24 Hr Progress (Geology)	127.0 m	MAX GAS	Unit
AVERAGE ROP	6.00 m/h	MUD WEIGHT	9.00 sg (WBM)
Operations Status @ 0600hrs		ECD	
PROGNOSED TD	250.0m MD 250.0m TVD	ESTIMATED PORE PRESSURE	

**Well Details**

Latitude:	24.00° 52.00' 10.92" South	UTM(N/S):	RT - MSL:	186.00 m DF MSL
Longitude:	135.00° 50.00' 59.64" East	UTM(E/W):	GL Elevation:	185.0 m

**Operations Summary and General Remarks**

OPERATION SUMMARY:	No problems anticipated setting casing at 250m
NEXT OPERATION:	Current 0600hrs depth 160m, MacKunda Fm. claystone. Drill 8 1/2" hole to 250m casing depth.

**Lithology Summary**

Interval MDBRT (m) From To	Lithology	%	Description
15.00 - 28.00	Sandstone, Surficial Quaternary dune sandstone	100%	Sandstone, Light Yellow Grey, loose, medium to very coarse, poorly sorted, subangular to subround, grains white transparent, yellow and orange stained, dark grey and green grey lithic grains, trace white firm Silcrete
28.00 - 35.00	Claystone	20-50% in samples collected at 30m and 40m, balance of sample sandstone 80% upper sample and 50% darker Winton Formation Claystone in sample taken at 40m	<b>Claystone, off white, tan, orange</b> Claystone, off white with red tinge, becoming off white, tan, orange brown, trace limonite fragments, trace Sandstone, white, firm, very fine grained with abundant silcrete matrix. This lithology represents the Tertiary, Eyre Formation or possibly weathered top of Winton Formation
35.00 - 95.00	Claystone (Winton Formation)	100%	<b>Claystone, soft, dark grey</b> Claystone, medium dark grey, soft, firm in part, common specks of disseminated carbonaceous material and common irregular coal grains, rare blocky and laminated fragments, fine to medium, rarely coarse grained at the top of the interval becoming fine grained and lesser percentage of sample with depth, minor silty and very fine sandy interval from 50 - 60m, slightly micaceous, non calcareous. No drill rate recorded (logging shack no power). Drill rate in the upper part 30-35 m/hr. From 68m slowed to 4-8 m/hr
95.00 - 160.00	Claystone (Mackunda Formation)	100%	<b>Claystone, medium - dark grey, glauconite grains</b> Claystone, medium dark grey to dark grey, soft, sloppy, more readily discernable black glauconite grains as poor trace (compared to presence of coal grains in Winton above) occasionally glauconite grains occur as clusters in the upper part of the interval, blacky coaly specks diminish and become very fine to silt sized, slightly micaceous, non calcareous. Trace Sandstone in 110m - 120m sample, off white friable, very fine, subangular, glauconitic and slightly calcareous Drill rate generally 4-6 m/hr

**Prognosis and Preliminary Correlation**

Top	Actual Depth (186.00 m DF MSL)			Prognosis	H/L	Pick Criteria	Remarks
	MD	TVD	MDSS				
Namba Formation	1.00	1.00	-185.00		N/A		
Eyre Formation	28.00	28.00	-158.00		N/A		



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	MD	TVD	MDSS	MD			
Winton Formation	35.00	35.00	-151.00		N/A	Change to grey claystone	Top placed halfway through 10m sample interval
MacKunda Fm	95.00	95.00	-91.00		N/A	Presence of glauconite fragments in claystone	Top placed halfway through 10m sample interval

## Well Geologist

Michael Harrison