



**DAILY GEOLOGICAL REPORT**

DATE: 21 Dec 2009  
 REPORT NO.: 18  
 ( associated DDR # 18 )

**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)	675.0 m	SPUD DATE	04 Dec 2009
DAYS SINCE SPUD	17.39 ( Days on well: 20.00)	LAST CASING	4.500 in @ 501.0 m MD
PRESENT DEPTH MD	675.0 m	BACKGROUND GAS	0.02 Unit @ 647.0 m
24 Hr Progress (Geology)	0.0 m	MAX GAS	0.05 Unit @ 650.0 m
AVERAGE ROP	0.00 m/h	MUD WEIGHT	8.80 sg (WBM)
Operations Status @ 0600hrs	Pulling out of hole prior to BOP test	ECD	
PROGNOSSED TD	1,350.0m MD 1,350.0m 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:	Ran DST 2, 664.5 - 675m, Injectivity Fall Off test.
NEXT OPERATION:	Conclude DST 2, deflate packers and pull from hole. Pull out of hole, run BOP test. Run in hole and recommence coring

**Casing Run**

OD	LOT/FIT	Csg Shoe (MD/TVD)	Remarks
7"	sg / sg	245.51 m / 245.51 m	
4 1/2"	sg / sg	501.00 m / 501.00 m	4 1/2" 114mm 10.8ppf Range 1 Ozcom Vam

**Prognosis and Preliminary Correlation**

Top	Actual Depth (186.00 m DF MSL)			Prognosis	H/L	Pick Criteria	Remarks
	MD	TVD	MDSS	MD			
Namba Formation	1.00	1.00	-185.00		N/A		
Eyre Formation	28.00	28.00	-158.00		N/A		
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
Oodnadatta Formation	276.00	276.00	90.00		N/A	First appearance of Inoceramus fragments	
Bulldog Shale	357.00	357.00	171.00		N/A	Non calcareous	
Cadna-owie Fm	406.00	406.00	220.00	435.00	29.0 H	Coarse loose sandstone	
Algebuckina Sandstone	424.00	424.00	238.00		N/A	Coarse friable sandstone	
Purni Formation	498.00	498.00	312.00	550.00	52.0 H	Claystone below m-c sandstone	



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## Core

Core #:	Start Depth (MD):	m
Formation:	End Depth (MD):	m
Contractor:	Core Diameter:	mm
Equipment:	Barrel Length:	m
Sleeve Type:	Amount Recovered:	m
Encapsulation Type:		

Shipping:

Comments: No cores cut

Core Description:

### Well Geologist

Graham McClung