



DAILY GEOLOGICAL REPORT

DATE: 01 Jan 2010
 REPORT NO.: 29
 (associated DDR # 29)

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)	978.0 m	SPUD DATE	04 Dec 2009
DAYS SINCE SPUD	28.40 (Days on well: 31.01)	LAST CASING	4.500 in @ 501.0 m MD
PRESENT DEPTH MD	978.0 m	BACKGROUND GAS	2.00 Unit @ 750.0 m
24 Hr Progress (Geology)	0.0 m	MAX GAS	210,000.00 Unit @ 776.0 m
AVERAGE ROP	0.00 m/h	MUD WEIGHT	1.04 sg (WBM)
Operations Status @ 0600hrs	Running CMI log	ECD	
PROGNOSED TD	978.0m MD 978.0m 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:	Completed wiper trip and pulled out of hole. Ran Suite 1 of Wireline logging program - GR, SON, DENS, NEUT, Laterolog. Laterolog failed near TD. Pulled out, replaced tool. All tools unresponsive. Fix panel in shack and RIH. Laterolog again failed, but began working at 820m. Logged to surface. Ran back in with Laterolog tool (successfully logged from TD 978m to 820m.
NEXT OPERATION:	Continue with Laterolog run, run CMI, run Checkshot Survey

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

Lithology Summary

Interval MDBRT (m) From To	Lithology	%	Description
978.00 - 978.00	None	0	None Well at TD, no new core

Gas Readings

Depth (m)	Total Gas (ppm)	BGG (ppm)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	iC5 (ppm)	nC5 (ppm)
0.00 -			-	-	-	-	-	-	-

Comment- No coring, no gas

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	



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Top	Actual Depth (186.00 m DF MSL)			Prognosis	H/L	Pick Criteria	Remarks
	MD	TVD	MDSS	MD			
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	

Wireline Suite

Suite #:	1	Witness:	Graham McClung
Hole Depth (MD):	978.0 m	Engineer #1:	Michael Redemski
Shoe Depth (MD):	501.0 m	Engineer #2:	Steve Eck
		Max Deviation Depth:	978.0 m
Objectives:	Full coverage of Purni formation plus GR and Sonic to surface		

Wireline Run

Run #:	1	Mud Source:	Flowline	Log Top / Bottom Depth:	5.0 m / 979.2 m
Witness:	Graham McClung	Hole Size:	3.75 in	Actual Hydrostatic Over Balance:	kPa
Conveyance:	Electric Line	Service Company:	Weatherford International	Expected Hydrostatic Over Balance:	0.00 kPa

Time Summary		Mud Resistivity Summary			Thermometer Summary		
Description	Date/Time	Description	(ohm m)	Temperature	Description	Depth	Temperature
Start Of Run:	01 Jan 2010 16:30	RM:	0.16	25 °C	Thermometer 1:	967.8 m	80 °C
End Of Run:	01 Jan 2010 21:45	RMF:	0.11	25 °C	Thermometer 2:	m	°C
Bit Reached TD:	31 Dec 2009 19:40	RMC:	0.19	25 °C	Thermometer 3:	m	°C
Tool Left Max. Depth:	01 Jan 2010 16:45						
Stop Circ.:	01 Jan 2010 02:00						

Tool String:	MDL_MSS_MPD_MDN
Temperature Buildup Comment:	
Log Quality Remarks:	DLL working while running in but failed at TD. Came out of hole to service/replace tool, found fault in control panel in shack. Ran in again, tool failed again but came back to life at 820m and continued working to end of run at 500.5m. Ran back in later with DLL - recorded interval from TD 978m to 810m and spliced into original log. Tools covered with additive CR 650 used as a core lubricant that wouldn't compromise Injectivity Fall Off Drill Stem Tests. Same problem encountered later with first run of CMI tool. Logging unit has no filter press for Rmc, Rmf values, but probably wouldn't work with core lubricant CR650 in the hole.
Run Summary:	Ran MDL_MSS_MPD_MDN (dual laterolog, sonic, density, neutron) from TD to shoe at 500.5m for laterolog and neutron, to shoe at 245.51 for density, and to surface for sonic.

Well Geologist
Graham McClung