



DAILY GEOLOGICAL REPORT

DATE: 02 Jan 2010
 REPORT NO.: 30
 (associated DDR # 30)

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	29.40 (Days on well: 32.01)	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 tubing	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:	Rerun laterolog component of supercombo. Successful. Run CMI. poor quality - additive in hole affecting calipers and contact with wall. Rerun, same result. Run checkshot survey - OK. rig down Weatherford, rig up to run tubing and begin
NEXT OPERATION:	Geological part of program complete

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				
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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Wireline Suite

Suite #:	1	Witness:	Graham McClung
Hole Depth (MD):	978.0 m	Engineer #1:	M Redemski
Shoe Depth (MD):	501.0 m	Engineer #2:	S Eck
		Max Deviation Depth:	978.0 m

Objectives: Rerun of missing section of DLL due to tool failure

Wireline Run

Run #:	2	Mud Source:	Flowline	Log Top / Bottom Depth:	810.0 m / 978.0 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 23:30	RM:	0.16	25 °C	Thermometer 1:	967.8 m	80 °C
End Of Run:	02 Jan 2010 02:40	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:	02 Jan 2010 00:00						
Stop Circ.:	01 Jan 2010 02:00						

Tool String: GR-DSLL - DDLL
 Temperature Buildup Comment:
 Log Quality Remarks: OK
 Run Summary: Ran DLL 978 - 810m, OK, merged with data from Suite 1, Run 1

Wireline Run

Run #:	3	Mud Source:	Flowline	Log Top / Bottom Depth:	501.0 m / 978.0 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:	02 Jan 2010 04:10	RM:	0.16	25 °C	Thermometer 1:	967.8 m	80 °C
End Of Run:	02 Jan 2010 07:20	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:	02 Jan 2010 05:00						
Stop Circ.:	01 Jan 2010 02:00						

Tool String: CMI
 Temperature Buildup Comment:
 Log Quality Remarks: Poor, only 4/8 calipers appeared to be working properly. On retrieval, tool gummed up with coring lubricant CR650, interfering with caliper effectiveness and pad contact with wall of hole
 Run Summary: Ran CMI 978 m to shoe at 501m

Well Geologist

Graham McClung