central PETROLEUM LIMITED	**DAILY GEOLOGICAL REPORT**	DATE: 04 Jun 2010 REPORT NO.: 19 (associated DDR # 19)

WELL: CBM 93-002

RIG	Wallis Rig D 39	RIG TYPE	Land
COMPLETION TYPE		TARGET	Test gas potential of Purni Formation

Depth at Midnight (MD)	856.2 m	SPUD DATE	22 May 2010
DAYS SINCE SPUD	13.67 (Days on well: 18.67)	LAST CASING	4.500 in @ 523.5 m MD
PRESENT DEPTH MD	880.0 m	BACKGROUND GAS	5.00 Unit @ 810.0 m
24 Hr Progress	114.00 m	MAX GAS	32.00 Unit @ 813.6 m
AVERAGE ROP	51,839.96 m/h	ECD	
Operations Status @ 0600hrs	Coring ahead	ESTIMATED PORE PRESSURE	
PROGNOSED TD	1,150.0m MD 1,150.0m TVD		

Well Details

Latitude:	25.00° 21.00" 16.10' South	UTM(N/S):		RT - MSL:	159.30 m RT MSL
Longitude:	135.00° 26.00" 5.30' East	UTM(E/W):		GL Elevation:	158.0 m

Operations Summary and General Remarks

OPERATION SUMMARY:	Cored from 742 - 856m, initially through coarse sandstones and rare coals, then through interbedded fine sandstones and siltstones with several coals to 9.6 and 7.4m, mostly much thinner. Total coal to 0500 95.7m, including 3.5m drilled before coring started.
HYDROCARBON SHOWS:	Nil
NEXT OPERATION:	Core ahead to TD.

Lithology Summary

Interval MDBRT (m) From	To	Lithology	%	Description
765.85	772.94	Sandstone	100	**Sandstone** 765.85 - 772.94m Sandstone, light - mid grey, coarse and coarse to medium, mostly uniform except when interlaminated and thinly interbedded with common wisps and laminae of dark grey claystones. Rip up clasts of consolidated sediment occasionally present.
772.94	784.35	Upward Fining Sandstone	100	**Upward Fining Sandstone** 772.94 - 780.35m Vaguely upward coarsening sequence from light to mid grey very coarse quartzose sandstonegrading through medium and medium to fine sandstone with siltstone bands and laminae and finally to fine silty sandstone. Poor visual porosity in basal very coarse sandstones.
784.35	790.02	Upward Fining Sandstone	100	**Upward Fining Sandstone** 784.35 - 790.02m Another upward fining sequence with 0.7m of very light grey medium silicified sandstone resting on underlying coal. Continues up through tight medium and medium to fine light to mid grey sandstones, with wavy, irregular and discontinuous claystone laminae in upper 25%
790.02	799.66	Coal	100	**Coal** 790.02 - 799.66m Coal, mixed dull with discontinuous bright laminae and mainly bright, in part vitrinitic. Occasional zones of carbonaceous claystone, and minor mid grey very fine silty sandstone near base. Occasional pyrite concretions, laminae and calcite veins and concretions (possible cone in cone structure near base)
799.66	807.80	Upward fining sandstone	100	**Upward fining sandstone** 799.66 - 807.80m Further upward fining sequence similar to above, from light - mid grey coarse to medium sandstone at base. Wavy claystone laminae as above in upper part
807.80	812.76	Interbedded Fine Sandstone and Siltstone	100	**Interbedded Fine Sandstone and Siltstone** 807.80 - 812.76m Sandstone, mid grey, fine, interbedded and laminated with siltstone, dark grey, some cross lamination, wavy laminae, remixed bands. Grades up to thin carbonaceous claystone and 30cm dirty coal

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Lithology Summary

Interval MDBRT (m) From	To	Lithology	%	Description
812.76	820.97	Interbedded Fine Sandstone and Siltstone	100	**Interbedded Fine Sandstone and Siltstone** 812.76 - 820.97 Similar sequence to above but bedding more even and horizontal. some varve like microlamination, remixed beds, clear distinctionbetween dark grey siltstone and fine light grey sandstone. May be lacustrine in part.
820.97	828.42	Coal	100	**Coal** 820.97 - 828.42m Coal, mixed dull and bright, dull with discontinuous bright laminae, bright banded
828.42	832.28	Interbedded Siltstone and Sandstone	100	**Interbedded Siltstone and Sandstone** 828.42 - 832.28m Sandstone, light grey, fine to very fine, and siltstone, dark grey, interbedded and intgerlaminated, minor cross lamination, slumping, with 25cm coal & carbonaceous claystone at top
832.28	835.25	Interbedded Siltstone and Sandstone	100	**Interbedded Siltstone and Sandstone** 832.28 - 835.25m Interbedded sandstone and siltstone as above, vaguely coarsening upward and becoming sandier, with 25cm medium sandstone at top.
835.25	838.03	Interbedded Siltstone and Sandstone	100	**Interbedded Siltstone and Sandstone** 835.25 - 838.03m Interbedded sandstone and siltstone as above, no real trend from base to top
838.03	839.04	Coal	100	**Coal** 838.03 - 839.04m Coal, bright and banded, including 20cm dark grey siltstone 30cm below top
839.04	843.26	Interbedded sandstone and siltstone	100	**Interbedded sandstone and siltstone** 839.04 - 843.26m Interbedded sandstone and siltstone as above, becoming slightly and sandier upwards
843.26	846.01	Sandstone	100	**Sandstone** 843.26 - 846.01m Sandstone, light grey, coarse - medium at base, fairly uniform apart from occasional claystone or carbonaceous laminae
846.01	847.50	Sandstone	100	**andstone** 846.01 - 847.5m Sandstone, white, medium, well developed calcite cement.
847.50	853.42	Sandstone	100	**Sandstone** 847.5 - 853.42m Sandstone, light - mid grey, coarse to medium at base, generally uniform apart from cross lamination and rare claystone and carbonaceous laminae. Rare coal and bedded sedimentary rip up clasts in upper part, rare carbonaceous laminae.
853.42	854.72	Coal	100	**Coal** 853.42 - 854.72m Coal, dull, fissile particularly near base
854.72	859.61	Interbedded siltstone and sandstone	100	**Interbedded siltstone and sandstone** 854.72 - 859.61m Interbedded siltstone, dark grey, and sandstone, light - mid grey, fine - very fine, thin bedded, similar to overlying units 854.72 - 859.61m Interbedded siltstone, dark grey, and sandstone, light - mid grey, fine - very fine, thin bedded, similar to overlying units

Gas Readings

Depth (m)	Total Gas (ppm)	BGG (ppm)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	iC5 (ppm)	nC5 (ppm)
742.00 -	1,100.000	600.00	4 - 10	0 - 1	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0

Comment- From sandstone. CO2 220ppm, bCKGROUND

Prognosis and Preliminary Correlation

Top	Actual Depth (159.30 m RT MSL) MD	TVD	TVDSS	Prognosis MD	H/L	Pick Criteria	Remarks
Eyre Formation	4.00	4.00	-155.30	4.00	N/A		
Winton Formation	20.00	20.00	-139.30	60.00	40.0 H	Top grey claystones	Top may be unweathered Eyre Fmn
MacKunda Fm	198.00	198.00	38.70		N/A	First glauconitic sandstones,	Top boundary clear, but could contain equivalents of Oodnadatta and Bulldog Formations

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Prognosis and Preliminary Correlation

Top	Actual Depth (159.30 m RT MSL)			Prognosis	H/L	Pick Criteria	Remarks
	MD	TVD	TVDSS	MD			
						slightly calcareous	
Cadna-owie Fm	291.00	291.00	131.70	484.00	193.0 H	Top first quartz sandstone	Very thin, indistinguishable from Algebuckina while drilling. Better defined on wireline logs
Algebuckina Sandstone	314.00	314.00	154.70	490.00	176.0 H	Second fast drilling break - no change in cuttings	May include Poolowanna Formation and/or other early Mesozoic units
Purni Formation	512.00	512.00	352.70	700.00	188.0 H	Reverse drilling break above 5.5m coal	

Core

Core #:	44	Start Depth (MD):	772.2 m
Formation:	Purni Formation	End Depth (MD):	778.2 m
Contractor:	Wallis Drilling	Core Diameter:	61 mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:	Others	Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	45	Start Depth (MD):	778.2 m
Formation:		End Depth (MD):	784.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	46	Start Depth (MD):	784.2 m
Formation:		End Depth (MD):	790.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

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Core

Core #:	47	Start Depth (MD):	790.2 m
Formation:		End Depth (MD):	796.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	48	Start Depth (MD):	796.2 m
Formation:		End Depth (MD):	802.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.1 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	49	Start Depth (MD):	802.2 m
Formation:		End Depth (MD):	808.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	50	Start Depth (MD):	808.2 m
Formation:		End Depth (MD):	814.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	51	Start Depth (MD):	814.2 m
Formation:		End Depth (MD):	820.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

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Core

Core #:	52	Start Depth (MD):	820.2 m
Formation:		End Depth (MD):	826.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	53	Start Depth (MD):	826.2 m
Formation:		End Depth (MD):	832.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	54	Start Depth (MD):	832.2 m
Formation:		End Depth (MD):	838.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	55	Start Depth (MD):	838.2 m
Formation:		End Depth (MD):	844.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

Core

Core #:	56	Start Depth (MD):	844.2 m
Formation:		End Depth (MD):	850.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:
Comments:
Core Description: See Lithology Section

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Core

Core #:	57	Start Depth (MD):	850.2 m
Formation:		End Depth (MD):	856.2 m
Contractor:		Core Diameter:	mm
Equipment:		Barrel Length:	6.0 m
Sleeve Type:		Amount Recovered:	6.0 m
Encapsulation Type:			

Shipping:

Comments:

Core Description: See Lithology Section

Well Geologist

Graham McClung

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