

WELL:	Myrtle Basin #1		
Report # :	6		
Report date:	18/09/2013		
Submitted:	19/09/2013		
Weather:	Very Hot, fine		
Rig:	Nitro 7		
Prognosed TD [m]:	800m		
RT-GL [m]:	1.20m		
GL Elevation [m]:	50m		
Proposed Well Coords	E	609499	
	N	8167793	
Actual Well Coords HHGPS	E		
	N		
Grid:	GDA94	Zone:	53



Armour Energy Pty Ltd

24:00 Depth (MDRT)	00:00 depth (MDRT)	Drill Rate (m/24 Hr)	Current Formation
152.34	152.34	0	Caranbirini

Comments	Wait for 11" BOP. Pressure test choke manifold. Minor rig repairs
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0600 Update	Wait for 11" BOP.
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Casing depth	Conductor(m)	Surface(m)	Intermediate(m)	Production(m)
Proposed	12	150	-	
Actual	15.8	152	-	

Projected Formation Tops [m]		Formation Tops [m]	
	Surface		Surface
Caranbirini Member	10	Caranbirini Member	10
Reward Dolomite	430		
Barney Creek Formation	450		
HYC Pyritic Siltstone	500		
W-Fold Shale	580		
Teena (Coxco) Dolomite	600		

Background Gas [%]	Trip Gas [%]	Connection Gas [%]	Downtime Gas [%]

Gas Shows and Drilling Peaks						
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment

WOB [Klbs]	FLOW [Gal/m]	RPM	PP [psi]

Lag: n/a	ROP: 29 m/hr av		Vis: n/a
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Surveys			

Summary Lithology			
From [m]	to [m]	Description	Formation
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.	Caranbirini

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WELL:	Myrtle Basin #1		
Report # :	7		
Report date:	19/09/2013		
Submitted:	20/09/2013		
Weather:	Very Hot, fine		
Rig:	Nitro 7		
Prognosed TD [m]:	800m		
RT-GL [m]:	1.20m		
GL Elevation [m]:	50m		
Proposed Well Coords	E	609499	
	N	8167793	
Actual Well Coords HHGPS	E		
	N		
Grid:	GDA94	Zone:	53



Armour Energy Pty Ltd

24:00 Depth (MDRT)	00:00 depth (MDRT)	Drill Rate (m/24 Hr)	Current Formation
152.34	152.34	0	Caranbirini

Comments Wait for 11" BOP. M/up BOP stack. Cut cellar walls to accommodate HCR valves. Commence Nipple up.

0600 Update Position and attach HCR valves to rams

Casing depth	Conductor(m)	Surface(m)	Intermediate(m)	Production(m)
Proposed	12	150	-	
Actual	15.8	152	-	

Projected Formation Tops [m]		Formation Tops [m]	
	Surface		Surface
Caranbirini Member	10	Caranbirini Member	10
Reward Dolomite	430		
Barney Creek Formation	450		
HYC Pyritic Siltstone	500		
W-Fold Shale	580		
Teena (Coxco) Dolomite	600		

Background Gas [%]	Trip Gas [%]	Connection Gas [%]	Downtime Gas [%]

Gas Shows and Drilling Peaks						
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment


WOB [Klbs]	FLOW [Gal/m]	RPM	PP [psi]

Lag: n/a **ROP:** 29 m/hr av **Vis:** n/a

Surveys			

Summary Lithology			
From [m]	to [m]	Description	Formation
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.	Caranbirini

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WELL:		Myrtle Basin #1		 <p style="text-align: center;">Armour Energy Pty Ltd</p>			
Report # :		8					
Report date:		20/09/2013					
Submitted:		21/09/2013					
Weather:		Very Hot, fine					
Rig:		Nitro 7					
Prognosed TD [m]:		800m					
RT-GL [m]:		1.20m					
GL Elevation [m]:		50m					
Proposed Well Coords	E	609499					
	N	8167793					
Actual Well Coords HHGPS	E						
	N						
Grid:	GDA94	Zone:	53				

24:00 Depth (MDRT)	00:00 depth (MDRT)	Drill Rate (m/24 Hr)	Current Formation	
152.34	152.34	0	Caranbirini	

Comments	Position and attach HCR valves to rams. Continue nipping up and pressure/function test BOP.
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0600 Update	Drill out csg shoe and & run choke line to flare pit
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Casing depth	Conductor(m)	Surface(m)	Intermediate(m)	Production(m)
Proposed	12	150	-	
Actual	15.8	152	-	

Projected Formation Tops [m]		Formation Tops [m]	
	Surface		Surface
Caranbirini Member	10	Caranbirini Member	10
Reward Dolomite	430		
Barney Creek Formation	450		
HYC Pyritic Siltstone	500		
W-Fold Shale	580		
Teena (Coxco) Dolomite	600		

Background Gas [%]	Trip Gas [%]	Connection Gas [%]	Downtime Gas [%]

Gas Shows and Drilling Peaks						
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment


WOB [Klbs]	FLOW [Gal/m]	RPM	PP [psi]


Lag: n/a	ROP: 29 m/hr av		Vis: n/a
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Surveys			

Summary Lithology			
From [m]	to [m]	Description	Formation
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.	Caranbirini

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WELL:		Myrtle Basin #1		 <p style="text-align: center;">Armour Energy Pty Ltd</p>					
Report # :		9							
Report date:		21/09/2013							
Submitted:		22/09/2013							
Weather:		Very Hot, fine							
Rig:		Nitro 7							
Prognosed TD [m]:		800m							
RT-GL [m]:		1.20m							
GL Elevation [m]:		50m							
Proposed Well Coords	E	609499							
	N	8167793							
Actual Well Coords HHGPS	E								
	N								
Grid:	GDA94	Zone:	53						
24:00 Depth (MDRT)		00:00 depth (MDRT)						Drill Rate (m/24 Hr)	
242		152		90		Reward Formation			
Comments	Drill out csg shoe & cement. POOH. N/up Blooie line. RIH Bit No.6. Drill 6 1/4" surface hole to 155m. FIT 200psi 5min. Drill to 242m								
0600 Update	Circulate bottoms up. Drill ahead from 319m								
Casing depth		Conductor(m)		Surface(m)		Intermediate(m)		Production(m)	
Proposed		12		150		-			
Actual		15.8		152		-			
Projected Formation Tops [m]				Formation Tops [m]					
				Surface		Surface			
Caranbirini Member				10		Caranbirini Member			
Reward Dolomite				430		Reward Dolomite			
Barney Creek Formation				450		Barney Creek Formation			
HYC Pyritic Siltstone				500					
W-Fold Shale				580					
Teena (Coxco) Dolomite				600					
Background Gas [%]		Trip Gas [%]		Connection Gas [%]		Downtime Gas [%]			
Gas Shows and Drilling Peaks									
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment			
WOB [Klbs]		FLOW [Gal/m]		RPM		PP [psi]			
Lag: n/a		ROP: 24m/hr				Vis: n/a			
Surveys									
Summary Lithology									
From [m]	to [m]	Description						Formation	
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.						Caranbirini	
152	247	DOLOMITE: grey-dark grey, brown i/p, trace SILTSTONE, Bx							
247	313	BRECCIATED DOLOMITE: light grey to medium dark grey, medium brown, dark grey, hard, blocky, microcrystalline, calcareous, no visible porosity						Reward (?)	
313		DOLOMITE: grey-dk grey, microcrystalline, hard, blk, Ca i/p							

WELL:		Myrtle Basin #1		 <p style="text-align: center;">Armour Energy Pty Ltd</p>			
Report # :		10					
Report date:		22/09/2013					
Submitted:		23/09/2013					
Weather:		Very Hot, fine					
Rig:		Nitro 7					
Prognosed TD [m]:		800m					
RT-GL [m]:		1.20m					
GL Elevation [m]:		50m					
Proposed Well Coords	E	609499					
	N	8167793					
Actual Well Coords HHGPS	E						
	N						
Grid:	GDA94	Zone:	53				

24:00 Depth (MDRT)	00:00 depth (MDRT)	Drill Rate (m/24 Hr)	Current Formation	
403.5	242	161.5	Reward Formation	

Comments	Drill ahead from 242m. POOH @ 403.5m. Bit Ok. RIH Bit No.7
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0600 Update	Drill ahead. Current depth 456m
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Casing depth	Conductor(m)	Surface(m)	Intermediate(m)	Production(m)
Proposed	12	150	-	
Actual	15.8	152	-	

Projected Formation Tops [m]		Formation Tops [m]	
	Surface		Surface
Caranbirini Member	10	Caranbirini Member	10
Reward Dolomite	430	Reward Dolomite	
Barney Creek Formation	450	Barney Creek Formation	
HYC Pyritic Siltstone	500		
W-Fold Shale	580		
Teena (Coxco) Dolomite	600		


Background Gas [%]	Trip Gas [%]	Connection Gas [%]	Downtime Gas [%]

Gas Shows and Drilling Peaks						
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment

WOB [Klbs]	FLOW [Gal/m]	RPM	PP [psi]
Lag: n/a	ROP: 24m/hr		Vis: n/a

Surveys			

Summary Lithology			
From [m]	to [m]	Description	Formation
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.	Caranbirini
152	247	DOLOMITE: grey-dark grey, brown i/p, trace SILTSTONE, Bx	
247	355	BRECCIATED DOLOMITE: light grey to medium dark grey, medium brown, dark grey, hard, blocky, microcrystalline, calcareous, no visible porosity	Reward (?)
355	403	DOLOMITIC CLAYSTONE: brownish grey to medium dark grey, minor light grey, hard, blocky massive, crypocrystalline dolomitised, calcareous, minor calcite fragments & veins, rare pyrite, trace calcite fluorescence - no cut, no visible porosity.	Reward

WELL:		Myrtle Basin #1		 <p style="text-align: center;">Armour Energy Pty Ltd</p>			
Report # :		10					
Report date:		22/09/2013					
Submitted:		23/09/2013					
Weather:		Very Hot, fine					
Rig:		Nitro 7					
Prognosed TD [m]:		800m					
RT-GL [m]:		1.20m					
GL Elevation [m]:		50m					
Proposed Well Coords	E	609499					
	N	8167793					
Actual Well Coords HHGPS	E						
	N						
Grid:	GDA94	Zone:	53				

24:00 Depth (MDRT)	00:00 depth (MDRT)	Drill Rate (m/24 Hr)	Current Formation	
403.5	242	161.5	Reward Formation	

Comments	Drill ahead from 242m. POOH @ 403.5m. Bit Ok. RIH Bit No.7
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0600 Update	Drill ahead. Current depth 456m
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Casing depth	Conductor(m)	Surface(m)	Intermediate(m)	Production(m)
Proposed	12	150	-	
Actual	15.8	152	-	

Projected Formation Tops [m]		Formation Tops [m]	
	Surface		Surface
Caranbirini Member	10	Caranbirini Member	10
Reward Dolomite	430	Reward Dolomite	
Barney Creek Formation	450	Barney Creek Formation	
HYC Pyritic Siltstone	500		
W-Fold Shale	580		
Teena (Coxco) Dolomite	600		

Background Gas [%]	Trip Gas [%]	Connection Gas [%]	Downtime Gas [%]


Gas Shows and Drilling Peaks						
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment

WOB [Klbs]	FLOW [Gal/m]	RPM	PP [psi]

Lag: n/a	ROP: 24m/hr		Vis: n/a
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Surveys			

Summary Lithology			
From [m]	to [m]	Description	Formation
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.	Caranbirini
152	247	DOLOMITE: grey-dark grey, brown i/p, trace SILTSTONE, Bx	
247	355	BRECCIATED DOLOMITE: light grey to medium dark grey, medium brown, dark grey, hard, blocky, microcrystalline, calcareous, no visible porosity	Reward (?)
355	403	DOLOMITIC CLAYSTONE: brownish grey to medium dark grey, minor light grey, hard, blocky massive, crypocrystalline dolomitised, calcareous, minor calcite fragments & veins, rare pyrite, trace calcite fluorescence - no cut, no visible porosity.	Reward

WELL:		Myrtle Basin #1		 Armour Energy Pty Ltd			
Report # :		12					
Report date:		24/09/2013					
Submitted:		25/09/2013					
Weather:		Very Hot, fine					
Rig:		Nitro 7					
Prognosed TD [m]:		800m					
RT-GL [m]:		1.20m					
GL Elevation [m]:		50m					
Proposed Well Coords	E	609499					
	N	8167793					
Actual Well Coords HHGPS	E						
	N						
Grid:	GDA94	Zone:	53				

24:00 Depth (MDRT)	00:00 depth (MDRT)	Drill Rate (m/24 Hr)	Current Formation	
600	491	109	Barney Creek	

Comments	Run in, unable to unload well, back off 100m until able to unload. Run in, unloading well every joint. 0500 drill on from 491m. Single compressor (belt failure on No.2 unit) unable to clear hole, at 600m circulate to flush, POOH, change bit.
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0600 Update	Run into 150m casing depth. Wait on compressor repair.
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Casing depth	Conductor(m)	Surface(m)	Intermediate(m)	Production(m)
Proposed	12	150	-	
Actual	15.8	152	-	

Projected Formation Tops [m]		Formation Tops [m]	
	Surface		Surface
Caranbirini Member	10	Caranbirini Member	10
Reward Dolomite	430	Reward Dolomite	247
Barney Creek Formation	450	Barney Creek Formation	463
HYC Pyritic Siltstone	500		
W-Fold Shale	580		
Teena (Coxco) Dolomite	600		

Background Gas [%]	Trip Gas [%]	Connection Gas [%]	Downtime Gas [%]

Gas Shows and Drilling Peaks						
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment


WOB [Klbs]	FLOW [Gal/m]	RPM	PP [psi]

Lag: n/a	ROP: 4m/hr		Vis: n/a
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Surveys			

Summary Lithology			
From [m]	to [m]	Description	Formation
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.	Caranbirini
152	247	DOLOMITE: grey-dark grey, brown i/p, trace SILTSTONE, Bx	Caranbirini
247	355	BRECCIATED DOLOMITE: light grey to medium dark grey, medium brown, dark grey, hard, blocky, microcrystalline, calcareous, no visible porosity	Reward (?)
355	463	DOLOMITIC CLAYSTONE: brownish grey to medium dark grey, minor light grey, hard, blocky massive, crypyocrystalline dolomitised, calcareous, minor calcite fragments & veins, rare pyrite, trace calcite fluorescence - no cut, no visible porosity. Clay rich cuttings fines.	Reward


463	600	DOLOMITIC SILTSTONE: dark grey to grey-black, hard, blocky, laminated in part, dolomitised, calcareous, NF. Bx in part. NFNC.	Barney Creek (?)

WELL:		Myrtle Basin #1		 <p style="text-align: center;">Armour Energy Pty Ltd</p>					
Report # :		13							
Report date:		25/09/2013							
Submitted:		26/09/2013							
Weather:		Very Hot, fine							
Rig:		Nitro 7							
Prognosed TD [m]:		800m							
RT-GL [m]:		1.20m							
GL Elevation [m]:		50m							
Proposed Well Coords	E	609499							
	N	8167793							
Actual Well Coords HHGPS	E								
	N								
Grid:	GDA94	Zone:	53						
24:00 Depth (MDRT)		00:00 depth (MDRT)						Drill Rate (m/24 Hr)	
600		600		0		Barney Creek			
Comments	Wait on compressor repair. 2130 run in well and unload. Standing water approx 120m.								
0600 Update	Resume drilling 3am.								
Casing depth		Conductor(m)		Surface(m)		Intermediate(m)		Production(m)	
Proposed		12		150		-			
Actual		15.8		152		-			
Projected Formation Tops [m]				Formation Tops [m]					
				Surface		Surface			
Caranbirini Member				10		Caranbirini Member			
Reward Dolomite				430		Reward Dolomite			
Barney Creek Formation				450		Barney Creek Formation			
HYC Pyritic Siltstone				500					
W-Fold Shale				580					
Teena (Coxco) Dolomite				600					
Background Gas [%]		Trip Gas [%]		Connection Gas [%]		Downtime Gas [%]			
Gas Shows and Drilling Peaks									
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment			
WOB [Klbs]		FLOW [Gal/m]		RPM		PP [psi]			
Lag: n/a		ROP: 4m/hr				Vis: n/a			
Surveys									
Summary Lithology									
From [m]	to [m]	Description						Formation	
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.						Caranbirini	
152	247	DOLOMITE: grey-dark grey, brown i/p, trace SILTSTONE, Bx						Caranbirini	
247	355	BRECCIATED DOLOMITE: light grey to medium dark grey, medium brown, dark grey, hard, blocky, microcrystalline, calcareous, no visible porosity						Reward (?)	
355	463	DOLOMITIC CLAYSTONE: brownish grey to medium dark grey, minor light grey, hard, blocky massive, crypyocrystalline dolomitised, calcareous, minor calcite fragments & veins, rare pyrite, trace calcite fluorescence - no cut, no visible porosity. Clay rich cuttings fines.						Reward	

463	600	DOLOMITIC SILTSTONE: dark grey to grey-black, hard, blocky, laminated in part, dolomitised, calcareous, NF. Bx in part. NFNC.	Barney Creek (?)


WELL:		Myrtle Basin #1		 <p style="text-align: center;">Armour Energy Pty Ltd</p>					
Report # :		14							
Report date:		26/09/2013							
Submitted:		27/09/2013							
Weather:		Very Hot, fine							
Rig:		Nitro 7							
Prognosed TD [m]:		800m							
RT-GL [m]:		1.20m							
GL Elevation [m]:		50m							
Proposed Well Coords	E	609499							
	N	8167793							
Actual Well Coords HHGPS	E								
	N								
Grid:	GDA94	Zone:	53						
24:00 Depth (MDRT)		00:00 depth (MDRT)						Drill Rate (m/24 Hr)	
690		600		90		Barney Creek			
Comments	Run to 600m, unload and circulate. Drill on from 3am. 6.00am depth 618m. 1800hrs depth 648m.								
0600 Update	Depth 720m, flushing hole in preparation for handover. Drill on.								
Casing depth		Conductor(m)		Surface(m)		Intermediate(m)		Production(m)	
Proposed		12		150		-			
Actual		15.8		152		-			
Projected Formation Tops [m]				Formation Tops [m]					
				Surface		Surface			
Caranbirini Member				10		Caranbirini Member			
Reward Dolomite				430		Reward Dolomite			
Barney Creek Formation				450		Barney Creek Formation			
HYC Pyritic Siltstone				500					
W-Fold Shale				580					
Teena (Coxco) Dolomite				600					
Background Gas [%]		Trip Gas [%]		Connection Gas [%]		Downtime Gas [%]			
Gas Shows and Drilling Peaks									
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment			
WOB [Klbs]		FLOW [Gal/m]		RPM		PP [psi]			
Lag: n/a		ROP: 4m/hr				Vis: n/a			
Surveys									
Summary Lithology									
From [m]	to [m]	Description						Formation	
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.						Caranbirini	
152	247	DOLOMITE: grey-dark grey, brown i/p, trace SILTSTONE, Bx						Caranbirini	
247	355	BRECCIATED DOLOMITE: light grey to medium dark grey, medium brown, dark grey, hard, blocky, microcrystalline, calcareous, no visible porosity						Reward (?)	
355	463	DOLOMITIC CLAYSTONE: brownish grey to medium dark grey, minor light grey, hard, blocky massive, crypyocrystalline dolomitised, calcareous, minor calcite fragments & veins, rare pyrite, trace calcite fluorescence - no cut, no visible porosity. Clay rich cuttings fines.						Reward	

463	600	DOLOMITIC SILTSTONE: dark grey to grey-black, hard, blocky, laminated in part, dolomitised, calcareous, NF. Bx in part. NFNC.	Barney Creek (?)

WELL:		Myrtle Basin #1		 Armour Energy Pty Ltd			
Report # :		15					
Report date:		27/09/2013					
Submitted:		28/09/2013					
Weather:		Very Hot, fine					
Rig:		Nitro 7					
Prognosed TD [m]:		800m					
RT-GL [m]:		1.20m					
GL Elevation [m]:		50m					
Proposed Well Coords	E	609499					
	N	8167793					
Actual Well Coords HHGPS	E						
	N						
Grid:	GDA94	Zone:	53				
24:00 Depth (MDRT)		00:00 depth (MDRT)					
768		690		78		Barney Creek	
Comments	Flush hole 30min at midnight and 50m intervals. Slow drilling. At 768m, loss of penetration, POOH to change bit/hammer.						
0600 Update							
Casing depth		Conductor(m)		Surface(m)		Intermediate(m)	
Proposed		12		150		-	
Actual		15.8		152		-	
Projected Formation Tops [m]				Formation Tops [m]			
		Surface				Surface	
Caranbirini Member		10		Caranbirini Member		10	
Reward Dolomite		430		Reward Dolomite		247	
Barney Creek Formation		450		Barney Creek Formation		463	
HYC Pyritic Siltstone		500					
W-Fold Shale		580					
Teena (Coxco) Dolomite		600					
Background Gas [%]		Trip Gas [%]		Connection Gas [%]		Downtime Gas [%]	
Gas Shows and Drilling Peaks							
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment	
WOB [Klbs]		FLOW [Gal/m]		RPM		PP [psi]	
Lag: n/a		ROP: 4m/hr				Vis: n/a	
Surveys							
Summary Lithology							
From [m]	to [m]	Description				Formation	
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.				Caranbirini	
152	247	DOLOMITE: grey-dark grey, brown i/p, trace SILTSTONE, Bx				Caranbirini	
247	355	BRECCIATED DOLOMITE: light grey to medium dark grey, medium brown, dark grey, hard, blocky, microcrystalline, calcareous, no visible porosity				Reward (?)	
355	463	DOLOMITIC CLAYSTONE: brownish grey to medium dark grey, minor light grey, hard, blocky massive, crypyocrystalline dolomitised, calcareous, minor calcite fragments & veins, rare pyrite, trace calcite fluorescence - no cut, no visible porosity. Clay rich cuttings fines.				Reward	

463	768	DOLOMITIC SILTSTONE: dark grey to grey-black, hard, blocky, laminated in part, dolomitised, calcareous, NF. Bx in part. NFNC.	Reward

463	666	DOLOMITIC SILTSTONE: dark grey to grey-black, hard, blocky, laminated in part, dolomitised, calcareous, NF. Bx in part. NFNC.	Reward
666	807	DOLOMITIC SILTSTONE: light gray - medium dark gray, hard blocky, laminated in part, cryptocrystalline dolomitized, minor calcite vein, very weak fluorescence no cut with DOLOMITE: gray-brown, hard, blocky, cryptocrystalline, trace very fine grained disseminated pyrite, with PYRITIC SILTSTONE: black, very fine grained laminated, very fine grained pyrite in part	HYC
807	813	DOLOMITIC SILTSTONE: pink-green-brown, tuffaceous, hard, laminated, tabular to blocky, microcrystalline, with minor DOLOMITE: grey-dark grey, NFOC	W-Fold

WELL:		Myrtle Basin #1		 Armour Energy Pty Ltd			
Report # :		17					
Report date:		29/09/2013					
Submitted:		30/09/2013					
Weather:		Very Hot, fine					
Rig:		Nitro 7					
Prognosed TD [m]:		800m					
RT-GL [m]:		1.20m					
GL Elevation [m]:		50m					
Proposed Well Coords	E	609499					
	N	8167793					
Actual Well Coords HHGPS	E						
	N						
Grid:	GDA94	Zone:	53				

24:00 Depth (MDRT)	00:00 depth (MDRT)	Drill Rate (m/24 Hr)	Current Formation	
861.4	813	48.4	Barney Creek	

Comments	Drill on from 813m to TD 861.4m @ 0530hrs. Flush in prep to POOH and log. 1900hrs begin 1st log run.
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0600 Update	Wireline Logging - Run 2 Complete
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Casing depth	Conductor(m)	Surface(m)	Intermediate(m)	Production(m)
Proposed	12	150	-	
Actual	15.8	150.4	-	

Projected Formation Tops [m]		Formation Tops [m]	
	Surface		Surface
Caranbirini Member	10	Caranbirini Member	10
Reward Dolomite	430	Reward Dolomite	247
Barney Creek Formation	450	Barney Creek Formation - HYC	666
HYC Pyritic Siltstone	500	Barney Creek Formation - W Fold	807
W-Fold Shale	580	Coxco Dolomite	852m
Teena (Coxco) Dolomite	600		

Background Gas [%]	Trip Gas [%]	Connection Gas [%]	Downtime Gas [%]

Gas Shows and Drilling Peaks						
Depth	ROP	Peak	BG Gas	Total Gas	Oil Show	Comment

WOB [Klbs]	FLOW [Gal/m]	RPM	PP [psi]

Lag: n/a	ROP: 12m/hr		Vis: n/a
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Surveys			

Summary Lithology			
From [m]	to [m]	Description	Formation
17	152	DOLOMITIC SILTSTONE: lt gry – med gry, mnr brwn gry, hd, blk, crpxln, fnly dk gy lam, mottled tex i/p, dk blebs, calc, mnr ca vn, mnr Py ip.	Caranbirini
152	247	DOLOMITE: grey-dark grey, brown i/p, trace SILTSTONE, Bx	Caranbirini
247	355	BRECCIATED DOLOMITE: light grey to medium dark grey, medium brown, dark grey, hard, blocky, microcrystalline, calcareous, no visible porosity	Reward (?)
355	463	DOLOMITIC CLAYSTONE: brownish grey to medium dark grey, minor light grey, hard, blocky massive, crypyocrystalline dolomitised, calcareous, minor calcite fragments & veins, rare pyrite, trace calcite fluorescence - no cut, no visible porosity. Clay rich cuttings fines.	Reward

463	666	DOLOMITIC SILTSTONE: dark grey to grey-black, hard, blocky, laminated in part, dolomitised, calcareous, NF. Bx in part. NFNC.	Reward
666	807	DOLOMITIC SILTSTONE: light gray - medium dark gray, hard blocky, laminated in part, cryptocrystalline dolomitized, minor calcite vein, very weak fluorescence no cut with DOLOMITE: gray-brown, hard, blocky, cryptocrystalline, trace very fine grained disseminated pyrite, with PYRITIC SILTSTONE: black, very fine grained laminated, very fine grained pyrite in part	HYC
807	852	DOLOMITIC SILTSTONE: pink-green-brown, tuffaceous, hard, laminated, tabular to blocky, microcrystalline, with minor DOLOMITE: grey-dark grey, NFOC	W-Fold
852	861.4 TD	DOLOMITIC SILTSTONE: gray-brown-pink, tuffaceous, hard, tabular-blocky, microcrystalline, with 30% SANDSTONE: quartz and lithic fragments, angular-subrounded, dolomitic cement, tabular, minor Calcite vein NVP, no fluorescence, odor, or cut	Coxco (?)