



Cementing Service Report

9207962

Client Name PDC Energy, Inc.	Well Name Mapelli #1	Rig BWS 3	Job Date September 24, 2015	Call Sheet 1061036
Client Representative Mr. Chad Sailors	Surface Well Location SW SE Sec 19:T7N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Klosterman, Austin (27698)

Well Profile

Well Type: Oil

Maximum Treating Pressure (psi): ---

Predicted Bottom Hole Static Temperature (°F): --- @ ---

Bottom Hole Circulating Temperature (°F): --- @ ---

Bottom Hole Logged Temperature (°F): --- @ ---

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
10.000	---	1,200.000	450.000	---	---

Casing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
8.625	24.000	---	---	---	---	---	---	0.0	450.0
5.500	15.500	---	---	---	---	---	---	0.0	7,500.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
1.660	3.020	---	---	---	---	---	0.000	1,200.000

Products

Plug 1

From Depth (ft): 1200

To Depth (ft): 0

Plug Type: N/A

Acids/Blends/Fluids:

Tail: 271 Sacks of 1-2-4 G, Density = 13.5 lb/gal, Volume Pumped = 73 (bbl)

Water Temperature(°F) = 60, Bulk Temperature(°F) = 70, Slurry Temperature(°F) = 75

+ 0.2 % of CFR-2 (Preblend)

Fluid & Cement Data

Expected Cement Top: Surface

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	---	---	---	---	Jul 20, 2015 15:46



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Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201173	PICKUP	1 Ton	449086	TRAILER	Utility Trailer	09/24/2015 07:00	09/24/2015 12:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	09/24/2015 07:00	09/24/2015 12:00
446200	TRAILER	Bulker	746200	TRACTOR	Tandem - Tractor	09/24/2015 07:00	09/24/2015 12:00

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Klosterman, Austin (27698)	09/24/2015 07:00	09/24/2015 12:00		
Dunsbergen, Scott (29737)	09/24/2015 07:00	09/24/2015 12:00		
Pyfer, Kevin (29802)	09/24/2015 07:00	09/24/2015 12:00		

Treatment Reports & Remarks

Treatment Report								
Event #	Event Time	Event Description	Fluid Type	Rate (bbl/min)	Tubular Pressure (psi)	Annular Pressure (psi)	Stage Volume (bbl)	Total Volume (bbl)
1	Sep 24,2015 07:00	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Sep 24,2015 07:10	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Sep 24,2015 09:00	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Sep 24,2015 09:10	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Sep 24,2015 09:25	Pressure Test Start	Water	0.00	2,700.0	0.0	0.00	0.00
6	Sep 24,2015 09:26	Pressure Test Complete	Water	0.00	2,700.0	0.0	0.00	0.00
7	Sep 24,2015 09:27	Establish Circulation	Water	0.70	180.0	0.0	5.00	5.00
8	Sep 24,2015 09:34	Pump	1-2-4 G	1.50	600.0	0.0	73.00	78.00
Remarks: Mix up and pump 271sx @13.5#, Yield 1.51, WR 7.48, MixH2O 48bbbls.								
9	Sep 24,2015 10:28	Displace Fluid	Water	1.40	700.0	0.0	1.00	79.00
10	Sep 24,2015 11:00	Rig Out		0.00	0.0	0.0	0.00	79.00
11	Sep 24,2015 11:30	Job Complete		0.00	0.0	0.0	0.00	79.00
12	Sep 24,2015 12:00	Leave Location		0.00	0.0	0.0	0.00	79.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 5

Temperature (°F) : 75

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

65821