



Pumping Service Report

9201007

Client Name Anadarko Petroleum Corporation	Well Name Berry 8-8	Rig Concord Well Servicing 2	Job Date March 11, 2015	Call Sheet 1056513
Client Representative Mr. Jay Chandler	Surface Well Location SE NE Sec 8:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor

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): --- @ --

Casing

Size	Weight	Grade	Collapse Pressure	Internal Yield Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)
4.500	11.600	J-55	4,960.0	5,350.0	105.53	4.000	5.000	0.0	6,790.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700	J-55	8,100.000	26.250	1.995	2.910	0.000	6,790.000
2.375	4.700	J-55	8,100.000	16.430	1.995	2.910	0.000	4,250.000

Products

Plug 1

From Depth (ft): 6359

To Depth (ft): 6790

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 25 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 6.7 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 80

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend)

Plug 2

From Depth (ft): 3723

To Depth (ft): 4250

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 40 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 8.2 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 80

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 14:34



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Units & Personnel							
Units							
<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
201168	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	03/11/2015 12:30	03/11/2015 16:50
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	03/11/2015 12:30	03/11/2015 16:50
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	03/11/2015 12:30	03/11/2015 16:50
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Martin, David (30033)	03/11/2015 12:30	03/11/2015 16:50					
Svoboda, Miloslav (28226)	03/11/2015 12:30	03/11/2015 16:50					
Davila, Israel (28152)	03/11/2015 12:30	03/11/2015 16:50					
Faircloth, Branden (29706)	03/11/2015 12:30	03/11/2015 16:50					



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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	Mar 11, 2015 12:30	Arrive On Location		--	--	--	--	0.00
2	Mar 11, 2015 13:00	Tailgate Meeting		--	--	--	--	0.00
3	Mar 11, 2015 13:20	Rig In		--	--	--	--	0.00
4	Mar 11, 2015 13:40	Safety Meeting		--	--	--	--	0.00
5	Mar 11, 2015 13:50	Sign-off on Safety		--	--	--	--	0.00
6	Mar 11, 2015 14:00	STEACS Briefing		--	--	--	--	0.00
7	Mar 11, 2015 14:22	Pressure Test	Water	--	--	--	--	0.00
8	Mar 11, 2015 14:26	Establish Circulation	Water	2.00	300.0	--	5.00	5.00
9	Mar 11, 2015 14:29	Mix Cement	Thermal 35	2.00	300.0	--	6.70	11.70
Remarks: 15.8 By mud scale								
10	Mar 11, 2015 14:32	Displace Fluid	Water	3.00	100.0	--	23.50	35.20
11	Mar 11, 2015 14:35	Pull Pipe		--	--	--	--	35.20
12	Mar 11, 2015 15:53	Establish Circulation	Water	3.00	500.0	--	5.00	5.00
13	Mar 11, 2015 15:55	Mix Cement	0-1-0 G	3.00	600.0	--	8.20	13.20
Remarks: 15.8 By mud scale.								
14	Mar 11, 2015 15:58	Displace Fluid	Water	3.00	500.0	--	13.50	26.70
15	Mar 11, 2015 16:10	Rig Out		--	--	--	--	26.70
16	Mar 11, 2015 16:15	Job Complete		--	--	--	--	26.70
17	Mar 11, 2015 16:40	Pre-Departure Meeting		--	--	--	--	0.00
18	Mar 11, 2015 16:50	Leave Location		--	--	--	--	0.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Water

Volume (bbl) : 61.9

Temperature (°F) : 80

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

57616



Pumping Service Report

9203666

Client Name Anadarko Petroleum Corporation	Well Name Berry 8-8	Rig Concord Well Servicing 2	Job Date March 12,2015	Call Sheet 1056552
Client Representative Mr. Jay Chandler	Surface Well Location SE NE Sec 8:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Contreras, Bennie (23469)

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)
8.500	--	799.000	1,100.000	--	--

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	J-55	1,370.0	2,950.0	50.89	8.097	9.625	0.0	799.0
4.500	11.600	J-55	4,960.0	5,350.0	96.91	4.000	5.000	1,000.0	7,235.0

Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	8,100.000	4.250	1.995	2.910	0.000	1,100.000

Products

Plug 1

From Depth (ft): 600

To Depth (ft): 1100

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 150 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 35.5 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 73

+ 0.25 lb/sack of Polyflake (Preblend),

+ 0.5 % of CaCl₂ (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.4 % of CDF-4P (Preblend)

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 14:34



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Units & Personnel							
Units							
<u>Truck Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Tractor Unit No.</u>	<u>Main Type</u>	<u>Sub Type</u>	<u>Time On Location</u>	<u>Time Off Location</u>
201114	PICKUP	3/4 Ton				03/12/2015 13:00	03/12/2015 16:00
740067	BODY JOB	C & A				03/12/2015 13:00	03/12/2015 16:00
746506	BODY JOB	Baby Bulker				03/12/2015 13:00	03/12/2015 16:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Contreras, Bennie (23469)	03/12/2015 13:00	03/12/2015 16:00					
Bailey, Steven (29186)	03/12/2015 13:00	03/12/2015 16:00					
Johnson, Jakob (30073)	03/12/2015 13:00	03/12/2015 16:00					
Crane, Troy (29924)	03/12/2015 13:00	03/12/2015 16:00					



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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	Mar 12, 2015 13:00	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived.						
2	Mar 12, 2015 13:15	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location of safety equipt., Job scope.						
3	Mar 12, 2015 13:55	Rig in Complete		--	--	--	--	0.00
		Remarks: Rig in complete.						
4	Mar 12, 2015 13:56	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location of safety equipt., Job scope.						
5	Mar 12, 2015 14:20	Pressure Test Start	Water	--	3,000.0	--	--	0.00
		Remarks: Pressure test 3000 psi.						
6	Mar 12, 2015 14:22	Pressure Test Complete		--	--	--	--	0.00
		Remarks: Test complete.						
7	Mar 12, 2015 14:24	Establish Circulation	Water	3.00	800.0	--	5.00	5.00
		Remarks: 5 BBLs ahead to establish circulation.						
8	Mar 12, 2015 14:26	Pump Preflush	Water	3.00	200.0	--	10.00	15.00
		Remarks: 10 BBLs of SAPP.						
9	Mar 12, 2015 14:30	Pump Spacer	Water	3.00	250.0	--	7.00	22.00
		Remarks: 7 BBLs of fresh water spacer.						
10	Mar 12, 2015 14:32	Mix Cement	0:1:0 Type III	3.00	300.0	--	35.50	57.50
		Remarks: 35.5 BBLs of cement @ 14.8 lb/gal.						
11	Mar 12, 2015 14:46	Displace Fluid	Water	2.50	65.0	--	2.00	59.50
		Remarks: Displace 2 BBLs of water.						
12	Mar 12, 2015 15:35	Rig Out		--	--	--	--	59.50
		Remarks: Rig out.						
13	Mar 12, 2015 15:45	Job Complete		--	--	--	--	59.50
		Remarks: Job complete.						
14	Mar 12, 2015 16:00	Leave Location		--	--	--	--	59.50
		Remarks: Leave.						

Did Float Hold: Not Applicable

Fluid Returns : No

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

57626

57627