



Pumping Service Report

9184611

Client Name Anadarko Petroleum Corporation	Well Name Dry Creek #1	Rig Concord Well Servicing 2	Job Date February 11,2015	Call Sheet 1055065
Client Representative Mr. Jay Chandler	Surface Well Location NW SW Sec 23:T1S:R68W	Down Hole Well Location	Job Type Miscellaneous Pumping	Lead Supervisor Maguire, Matthew (26325)



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Well Profile

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)
8.625	24.000	J-55	1,370.0	2,950.0	29.81	8.097	9.625	0.0	468.0
4.500	11.600	J-55	4,960.0	5,350.0	130.56	4.000	5.000	0.0	8,400.0

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	30.340	1.995	2.910	0.000	7,848.000

Products

Stage 1

From Depth (ft): 700

To Depth (ft): 7848

Acids/Blends/Fluids :

Tail: 40 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 10.8 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 7000

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 07, 2014 16:41

Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201274	PICKUP	3/4 Ton				02/11/2015 09:00	02/11/2015 11:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	02/11/2015 09:00	02/11/2015 11:00
746506	BODY JOB	Baby Bulker				02/11/2015 09:00	02/11/2015 11:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Maguire, Matthew (26325)	02/11/2015 09:00	02/11/2015 11:00		
Pigg, Martin (28301)	02/11/2015 09:00	02/11/2015 11:00		
Daylong, Eric (28076)	02/11/2015 09:00	02/11/2015 11:00		
Heye, Joshua (29833)	02/11/2015 09:00	02/11/2015 11:00		



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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	Feb 11,2015 08:30	Arrive On Location		--	--	--	--	0.00
2	Feb 11,2015 08:35	Tailgate Meeting		--	--	--	--	0.00
		Remarks: Filled out JSA.						
3	Feb 11,2015 08:45	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Feb 11,2015 09:15	Rig in Complete		--	--	--	--	0.00
5	Feb 11,2015 09:25	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Feb 11,2015 09:30	STEACS Briefing		--	--	--	--	0.00
7	Feb 11,2015 09:40	Sign-off on Safety		--	--	--	--	0.00
8	Feb 11,2015 09:51	Start - Fluid	Water	1.00	200.0	--	1.00	1.00
		Remarks: Filled lines.						
9	Feb 11,2015 09:52	Pressure Test Start	Water	--	3,000.0	--	--	1.00
10	Feb 11,2015 09:53	Pressure Test Complete		--	3,000.0	--	--	1.00
		Remarks: All lines held pressure.						
11	Feb 11,2015 09:54	Establish Circulation	Water	2.00	500.0	--	2.00	3.00
		Remarks: We had circulation.						
12	Feb 11,2015 10:02	Mix Cement	Thermal 35	1.50	260.0	--	10.80	13.80
		Remarks: WR=6.23,						
13	Feb 11,2015 10:10	Displace Fluid	Water	2.00	548.0	--	26.00	39.80
		Remarks: Displaced to a balanced plug.						
14	Feb 11,2015 10:21	Stop		--	--	--	--	39.80
15	Feb 11,2015 10:25	Wash	Water	1.50	100.0	--	20.00	39.80
16	Feb 11,2015 10:50	Rig Out		--	--	--	--	39.80
		Remarks: Revisit JSA.						
17	Feb 11,2015 11:00	Pre-Departure Meeting		--	--	--	--	39.80
18	Feb 11,2015 11:02	Job Complete		--	--	--	--	39.80
19	Feb 11,2015 11:05	Leave Location		--	--	--	--	39.80
		Remarks: Revisit JSA, leave location safely.						

Did Float Hold: Not Applicable

Fluid Returns : Not Expected

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

55524



Pumping Service Report

9193249

Client Name Anadarko Petroleum Corporation	Well Name Dry Creek #1	Rig Concord Well Servicing 2	Job Date February 12, 2015	Call Sheet 1055121
Client Representative Mr. Jay Chandler	Surface Well Location NW SW Sec 23:T1S:R68W	Down Hole Well Location	Job Type Cement Misc.	Lead Supervisor Contreras, Bennie (23469)

Well Profile

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	80.82	4.000	5.000	0.0	5,200.0
8.625	24.000	J-55	1,370.0	2,950.0	48.97	8.097	9.625	0.0	769.0

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	20.100	1.995	2.910	0.000	5,200.000
2.375	4.700	J-55	8,100.000	4.720	1.995	2.910	0.000	1,220.000

Products

Stage 1

From Depth (ft): 4735
To Depth (ft): 5200

Acids/Blends/Fluids :

Tail: 35 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 7.2 (bbl)

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

- + 0.5 % of CFR-2 (Preblend),
- + 0.25 % of FMC (Preblend),
- + 0.5 % of LWA (Preblend),
- + 0.25 lb/sack of Polyflake (Preblend)

Stage 2

From Depth (ft): 233
To Depth (ft): 1220

Acids/Blends/Fluids :

Tail: 65 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 15.4 (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 07, 2014 16:41



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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>
201273	PICKUP	3/4 Ton				02/12/2015 09:40	02/12/2015 14:10
740018-1	BODY JOB	C & A				02/12/2015 09:40	02/12/2015 14:10
446024	TRAILER	Bulker	746024	TRACTOR	Tandem - Tractor	02/12/2015 09:40	02/12/2015 14:10

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)	02/12/2015 09:40	02/12/2015 14:10		
Bailey, Steven (29186)	02/12/2015 09:40	02/12/2015 14:10		
Leue, David (28684)	02/12/2015 09:40	02/12/2015 14:10		
Dunsbergen, Scott (29737)	02/12/2015 09:40	02/12/2015 14:10		

Treatment Reports & Remarks



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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	Feb 12,2015 08:40	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived.						
2	Feb 12,2015 08:50	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, spot trucks, rig in, nearest med., location safety equip., job scope.						
3	Feb 12,2015 09:45	Rig in Complete		--	--	--	--	0.00
		Remarks: Rig in complete.						
4	Feb 12,2015 09:46	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: 911 caller, nearest med., amb. and driver, location safety equipt., job scope.						
5	Feb 12,2015 10:15	Pressure Test Start	Water	--	3,500.0	--	--	0.00
		Remarks: Pressure test 3500 psi. Had good circ. when filled lines.						
6	Feb 12,2015 10:17	Pressure Test Complete		--	--	--	--	0.00
		Remarks: Pressure test complete.						
7	Feb 12,2015 10:22	Batch Mix	0-1-0 G	5.50	150.0	--	7.20	7.20
		Remarks: Batch mix 7.2 BBLs of cement @ 15.8 lb/gal. Using mud scale.						
8	Feb 12,2015 10:38	Pump	0-1-0 G	2.00	450.0	--	7.20	14.40
		Remarks: Pumped down 7.2 BBLs of cement @ 15.8 lb/gal..						
9	Feb 12,2015 10:43	Displace Fluid	Water	2.00	300.0	--	17.00	31.40
		Remarks: Displace 17 BBLs of water.						
10	Feb 12,2015 12:34	Establish Circulation	Water	2.50	80.0	--	7.00	38.40
		Remarks: 7 BBLs of fresh water to establish circulation.						
11	Feb 12,2015 12:40	Batch Mix	0:1:0 Type III	6.00	200.0	--	9.80	48.20
		Remarks: Batch mix 9.8 BBLs of cement @ 14.8 lb/gal. Using mud scale.						
12	Feb 12,2015 12:55	Pump	0:1:0 Type III	2.00	450.0	--	9.80	58.00
		Remarks: Pump 9.8 BBLs of cement @ 14.8 lb/gal.						
13	Feb 12,2015 13:03	Displace Fluid	Water	0.60	80.0	--	0.50	58.50
		Remarks: Displace .5 BBLs of water.						
14	Feb 12,2015 13:45	Rig Out		--	--	--	--	58.50
		Remarks: Rig out iron and hoses.						
15	Feb 12,2015 13:55	Job Complete		--	--	--	--	58.50
		Remarks: Job complete.						
16	Feb 12,2015 14:10	Leave Location		--	--	--	--	58.50
		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