



Pumping Service Report

9207926

Client Name Anadarko Petroleum Corporation	Well Name Odenbaugh Cull Unit #1	Rig Leed 721	Job Date August 26,2015	Call Sheet 1060285
Client Representative Mr. Nate Windholz	Surface Well Location SW SW Sec 12:T3N:R67W	Down Hole Well Location Sec 0:T0N:R0W	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): --- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
9.000	--	0.000	6,950.000	--	--

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		--	--	--	--	--	0.0	100.0
4.500	10.500		--	--	--	--	--	100.0	6,950.0

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	25.480	1.995	2.910	0.000	6,591.000

Products

Plug 1

From Depth (ft): 6404

To Depth (ft): 6950

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 120 Sacks of 50% Class G / 50% Poz (1-1-0 G), Density = 13.5 lb/gal, Volume Pumped = 35.5 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75

+ 20 % of Silica Flour (Preblend),

+ 3 % of Gel (Preblend),

+ 0.1 % of SMS (Preblend),

+ 0.4 % of CFR-2 (Preblend),

+ 0.4 % of CFL-3 (Preblend)

Plug 2

From Depth (ft): 3813

To Depth (ft): 4001

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 490 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 100.4 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 75

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)



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Fluid & Cement Data

Expected Cement Top: Depth (ft): 3813

Wellbore Fluid

<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>
Water	--	--	--	--	Oct 29, 2014 06:51

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>
200925	PICKUP	1 Ton				08/26/2015 08:50	08/26/2015 16:25
740067	BODY JOB	C & A				08/26/2015 08:50	08/26/2015 16:25
446113	TRAILER	Bulker	746113	TRACTOR	Tandem - Tractor	08/26/2015 08:50	08/26/2015 16:25
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	08/26/2015 08:50	08/26/2015 16:25
201253	PICKUP	1/2 Ton				08/26/2015 08:50	08/26/2015 16:25

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Laeger, Kacey (25046)	08/26/2015 08:50	08/26/2015 16:25		
Crane, Troy (29924)	08/26/2015 08:50	08/26/2015 16:25		
Leue, David (28684)	08/26/2015 08:50	08/26/2015 16:25		
Hall, Austin (28887)	08/26/2015 08:50	08/26/2015 16:25		
Hardwick, Waco (23203)	08/26/2015 08:50	08/26/2015 16:25		

Treatment Reports & Remarks

**Treatment Reports & Remarks****Treatment Report**

<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> (bbl/min)	<u>Tubular Pressure</u> (psi)	<u>Annular Pressure</u> (psi)	<u>Stage Volume</u> (bbl)	<u>Total Volume</u> (bbl)
1	Aug 26,2015 08:50	Arrive On Location		--	--	--	--	0.00
2	Aug 26,2015 08:55	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: held						
3	Aug 26,2015 09:30	Rig in Complete		--	--	--	--	0.00
4	Aug 26,2015 09:50	Crew Briefing (Pre Job)		--	50.0	--	--	0.00
5	Aug 26,2015 10:21	Pressure Test Start	Water	1.00	25.0	--	1.00	0.00
		Remarks: fill lines						
6	Aug 26,2015 10:24	Pressure Test Complete	Water	--	2,400.0	--	--	0.00
		Remarks: lines held good						
7	Aug 26,2015 10:26	Establish Circulation	Water	2.00	500.0	--	5.00	0.00
		Remarks: good circulation						
8	Aug 26,2015 10:36	Mix Cement	50% Class G / 50% Poz (1-1-0 G)	2.00	1,300.0	--	35.00	0.00
		Remarks: 120 sks @ 13.5lb/gal						
9	Aug 26,2015 10:46	Displace Fluid	Water	2.00	1,300.0	--	22.50	0.00
		Remarks: displaced to leave barrells on top of retainer						
10	Aug 26,2015 10:56	Wash		--	--	--	--	0.00
		Remarks: wash pump truck						
11	Aug 26,2015 11:06	Wait On Instructions		--	--	--	--	0.00
		Remarks: wait on rig pulling tubing and wireline						
12	Aug 26,2015 14:15	Pressure Test	Water	--	3,500.0	--	--	0.00
		Remarks: Lines held good						
13	Aug 26,2015 14:17	Pump Preflush	Water	3.00	1,600.0	--	20.00	0.00
		Remarks: 20bbbls well seal						
14	Aug 26,2015 14:25	Pump Spacer	Water	3.00	1,600.0	--	10.00	0.00
		Remarks: 10 freash spacer						
15	Aug 26,2015 15:11	Mix Cement	0-1-0 G	3.00	1,700.0	--	102.00	0.00
		Remarks: 490sks at 15.8 lb/gal						
16	Aug 26,2015 15:12	Displace Fluid	Water	2.00	1,600.0	--	12.50	0.00
		Remarks: Displace to leave 3bbbls on top of retainer						
17	Aug 26,2015 15:18	Finish Displacement		--	--	--	--	0.00
18	Aug 26,2015 15:19	Wash		--	--	--	--	0.00
		Remarks: Wash pump unit						
19	Aug 26,2015 15:50	Rig Out		--	--	--	--	0.00
20	Aug 26,2015 16:10	Job Complete		--	--	--	--	0.00
21	Aug 26,2015 16:25	Leave Location		--	--	--	--	0.00



Pumping Service Report

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Client Name Anadarko Petroleum Corporation	Well Name Odenbaugh Cull Unit #1	Rig Leed 721	Job Date August 27, 2015	Call Sheet 1060336
Client Representative Mr. Nate Windholz	Surface Well Location SW SW Sec 12:T3N:R67W	Down Hole Well Location Sec 0:T0N:R0W	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)
8.625	24.000	J-55	1,370.0	2,950.0	31.02	8.097	9.625	0.0	487.0
4.500	11.600	J-55	4,960.0	5,350.0	1.65	4.000	5.000	0.0	106.0
4.500	10.500	J-55	4,010.0	4,790.0	123.45	4.052	5.000	106.0	7,846.0

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	4.630	1.995	2.910	0.000	1,198.000

Products

Plug 1

From Depth (ft): 158

To Depth (ft): 1198

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 70 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 16.6 (bbl)

Water Temperature(°F) = 65 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 74

+ 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: Depth (ft): 158

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 29, 2014 06:51



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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				08/27/2015 07:00	08/27/2015 09:30
740018-1	BODY JOB	C & A				08/27/2015 07:00	08/27/2015 09:30
746506	BODY JOB	Baby Bulker				08/27/2015 07:00	08/27/2015 09:30
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)	08/27/2015 07:00	08/27/2015 09:30					
Schroeder, Stephen (25442)	08/27/2015 07:00	08/27/2015 09:30					
Curtner, Jerry (28310)	08/27/2015 07:00	08/27/2015 09:30					
Daylong, Eric (28076)	08/27/2015 07:00	08/27/2015 09:30					



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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	Aug 27,2015 07:00	Arrive On Location		--	--	--	--	0.00
		Remarks: Arrived.						
2	Aug 27,2015 07:10	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: STEACS						
3	Aug 27,2015 07:25	Rig in Complete		--	--	--	--	0.00
		Remarks: Rig in complete.						
4	Aug 27,2015 07:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.						
5	Aug 27,2015 08:02	Pressure Test Start	Water	--	1,000.0	--	--	0.00
		Remarks: 1000 psi pressure test.						
6	Aug 27,2015 08:05	Pressure Test Complete		--	--	--	--	0.00
		Remarks: Test complete.						
7	Aug 27,2015 08:07	Mix Cement	0-1-0 G	2.00	200.0	--	16.60	16.60
		Remarks: Mix and pump 16.6 BBLs of cement @ 14.8 lb/gal. 0-1-0 Type III						
8	Aug 27,2015 08:17	Displace Fluid	Water	2.00	450.0	--	0.50	17.10
		Remarks: Displace .5 BBLs of water.						
9	Aug 27,2015 09:00	Rig Out		--	--	--	--	17.10
		Remarks: Rig out.						
10	Aug 27,2015 09:15	Job Complete		--	--	--	--	17.10
		Remarks: Job complete.						
11	Aug 27,2015 09:30	Leave Location		--	--	--	--	17.10
		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

65581

65582