



Pumping Service Report

9201123

Client Name Anadarko Petroleum Corporation	Well Name PSC 12-10	Rig Basic 1524	Job Date January 29,2015	Call Sheet 1054370
Client Representative Nick Lang	Surface Well Location SW NW Sec 10:T3N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Bushnell, Cody (21127)

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	20.38	8.097	9.625	0.0	320.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
1.660	2.330	J-55	8,490.000	7.900	1.380	1.880	0.000	4,271.000
3.500	9.300	J-55	7,400.000	37.140	2.992	4.180	0.000	4,271.000

Products

Plug 1

From Depth (ft): 3708

To Depth (ft): 4270

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 240 Sacks of 1-1-0 G, Density = 14.6 lb/gal, Volume Pumped = 47.9 (bbl)

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

+ 0.6 % of CFL-2 (Preblend),

+ 0.5 % of CFR (Preblend),

+ 0.3 % of LTR (Preblend),

+ 0.6 % of SMS (Preblend),

+ 0.2 % of SPC-2 (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Plug 2

From Depth (ft): 112

To Depth (ft): 901

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 170 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 52.7 (bbl)

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

+ 2 % of Gypsum (Preblend),

+ 2 % of CaCl₂ (Preblend),

+ 2 % of SMS (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 112

Wellbore Fluid

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

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

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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>
200848	PICKUP	3/4 Ton				01/29/2015 08:30	01/29/2015 13:30
740004	BODY JOB	C & A				01/29/2015 08:30	01/29/2015 13:30
446024	TRAILER	Bulker	746024	TRACTOR	Tandem - Tractor	01/29/2015 08:30	01/29/2015 13:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Bushnell, Cody (21127)	01/29/2015 08:30	01/29/2015 13:30					
Davila, Israel (28152)	01/29/2015 08:30	01/29/2015 13:30					
McMartin, Granite (22138)	01/29/2015 08:30	01/29/2015 13:30					
Scott, Derek (29603)	01/29/2015 08:30	01/29/2015 13:30					



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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	Jan 29,2015 08:30	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Jan 29,2015 08:31	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Jan 29,2015 09:30	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Jan 29,2015 09:35	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Jan 29,2015 10:11	Pressure Test Start		0.00	0.0	0.0	0.00	0.00
		Remarks: Test Sanjel Lines						
6	Jan 29,2015 10:13	Pressure Test Complete		0.00	0.0	0.0	0.00	0.00
7	Jan 29,2015 10:13	Pump	Water	2.00	1,600.0	0.0	20.00	20.00
		Remarks: Well Seal						
8	Jan 29,2015 10:23	Pump	Water	2.00	1,600.0	0.0	5.00	25.00
		Remarks: H2O Ahead						
9	Jan 29,2015 10:26	Pump	1-1-0 G	2.00	1,800.0	0.0	47.90	72.90
10	Jan 29,2015 10:57	Pump	Water	2.00	1,600.0	0.0	5.00	77.90
		Remarks: Displace To Balance						
11	Jan 29,2015 11:10	Pull Pipe		0.00	0.0	0.0	0.00	77.90
		Remarks: Pull up hole to 901'						
12	Jan 29,2015 12:11	Pump	Water	2.50	800.0	0.0	5.00	82.90
		Remarks: Establish Circulation						
13	Jan 29,2015 12:14	Pump	Control Set C	2.50	850.0	0.0	52.70	135.60
14	Jan 29,2015 12:33	Pump	Water	1.00	80.0	0.0	1.00	136.60
		Remarks: Displace To Balance						
15	Jan 29,2015 13:25	Job Complete		0.00	0.0	0.0	0.00	136.60
16	Jan 29,2015 13:30	Leave Location		0.00	0.0	0.0	0.00	136.60

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

55937