



## Pumping Service Report

9201124

Client Name Anadarko Petroleum Corporation	Well Name Fields X8-12	Rig Key 104	Job Date January 30,2015	Call Sheet 1054463
Client Representative Mr. Traux Deal	Surface Well Location NW SW Sec 8:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	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): --- @ --

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.875	6.500	J-55	7,680.000	41.960	2.441	3.668	0.000	7,250.000
1.660	2.330	J-55	8,490.000	13.380	1.380	1.880	0.000	7,230.000

### Products

#### Plug 1

From Depth (ft): 6074

To Depth (ft): 7230

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend)

#### Plug 2

From Depth (ft): 4140

To Depth (ft): 4550

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 110 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 22.5 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 4140

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22

### Attachment & Tools

#### Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	2.875	Sanjel



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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				01/30/2015 06:30	01/30/2015 14:00
740067	BODY JOB	C & A				01/30/2015 06:30	01/30/2015 14:00
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	01/30/2015 06:30	01/30/2015 14:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Bushnell, Cody (21127)	01/30/2015 06:30	01/30/2015 14:00					
Davila, Israel (28152)	01/30/2015 06:30	01/30/2015 14:00					
McMartin, Granite (22138)	01/30/2015 06:30	01/30/2015 14:00					
Scott, Derek (29603)	01/30/2015 06:30	01/30/2015 14:00					



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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	Jan 30,2015 06:30	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Jan 30,2015 06:31	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Jan 30,2015 06:55	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Jan 30,2015 07:00	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Jan 30,2015 08:24	Pressure Test Start		0.00	0.0	0.0	0.00	0.00
Remarks: Test Sanjel Lines								
6	Jan 30,2015 08:25	Pressure Test Complete		0.00	0.0	0.0	0.00	0.00
7	Jan 30,2015 08:26	Pump		1.00	2,000.0	0.0	10.00	10.00
Remarks: establish circulation								
8	Jan 30,2015 08:41	Pump		1.20	1,700.0	0.0	6.70	16.70
9	Jan 30,2015 08:46	Pump		1.20	1,500.0	0.0	10.40	27.10
Remarks: displaced to balance								
10	Jan 30,2015 09:00	Wait On Instructions		0.00	0.0	0.0	0.00	27.10
Remarks: trip out of hole prepare to set next plug								
11	Jan 30,2015 12:43	Pump	Water	2.50	1,400.0	0.0	10.00	37.10
Remarks: Injection Test								
12	Jan 30,2015 12:47	Pump	0-1-0 G	2.50	1,400.0	0.0	22.50	59.60
13	Jan 30,2015 12:57	Pump	Water	2.00	1,400.0	0.0	24.00	83.60
Remarks: Displace cement to 4140'								
14	Jan 30,2015 13:55	Job Complete		0.00	0.0	0.0	0.00	83.60
15	Jan 30,2015 14:00	Leave Location		0.00	0.0	0.0	0.00	83.60

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

55880

55702



## Pumping Service Report

9201125

Client Name Anadarko Petroleum Corporation	Well Name Fields X8-12	Rig Key 104	Job Date January 31,2015	Call Sheet 1054521
Client Representative Mr. Traux Deal	Surface Well Location NW SW Sec 8:T2N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	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):	--- @ --

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.875	6.500	J-55	7,680.000	8.800	2.441	3.668	0.000	1,520.000
1.660	2.330	J-55	8,490.000	2.800	1.380	1.880	0.000	1,515.000

### Products

#### Plug 1

From Depth (ft): 200

To Depth (ft): 1515

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 25 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 5.9 (bbl)

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

+ 0.25 lb/sack of Polyflake (Preblend),

+ 0.5 % of CaCl<sub>2</sub> (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): 200

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Aug 24, 2014 17:22

### Units & Personnel

#### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
200848	PICKUP	3/4 Ton				01/31/2015 07:30	01/31/2015 11:30
740067	BODY JOB	C & A				01/31/2015 07:30	01/31/2015 11:30
746502	BODY JOB	Baby Bulker				01/31/2015 07:30	01/31/2015 11:30

#### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Bushnell, Cody (21127)	01/31/2015 07:30	01/31/2015 11:30		
Davila, Israel (28152)	01/31/2015 07:30	01/31/2015 11:30		
McMartin, Granite (22138)	01/31/2015 07:30	01/31/2015 11:30		
Scott, Derek (29603)	01/31/2015 07:30	01/31/2015 11:30		

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

Print Date: February 23, 2015

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## Pumping Service Report

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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 31,2015 07:30	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Jan 31,2015 07:45	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Jan 31,2015 07:50	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Jan 31,2015 07:56	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Jan 31,2015 10:32	Pressure Test Start		0.00	0.0	0.0	0.00	0.00
		Remarks: Test Sanjel Lines						
6	Jan 31,2015 10:33	Pressure Test Complete		0.00	0.0	0.0	0.00	0.00
7	Jan 31,2015 10:34	Pump	Water	2.00	1,500.0	0.0	5.00	5.00
		Remarks: Establish Circulation						
8	Jan 31,2015 10:37	Pump	0:1:0 Type III	2.00	1,800.0	0.0	5.90	10.90
9	Jan 31,2015 10:41	Pump	Water	1.00	1,500.0	0.0	1.00	11.90
		Remarks: Displace To Balance						
10	Jan 31,2015 11:25	Job Complete		0.00	0.0	0.0	0.00	11.90
11	Jan 31,2015 11:30	Leave Location		0.00	0.0	0.0	0.00	11.90

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

55895