



# Pumping Service Report

9199289

Client Name Anadarko Petroleum Corporation	Well Name Bering UPRR 42 - 35 #1	Rig Ensign Drilling Inc. 313	Job Date December 17, 2014	Call Sheet 1052250
Client Representative Socorro Olivas	Surface Well Location SE NE Sec 35:T4N:R66W	Down Hole Well Location	Job Type Cement Misc.	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):	--- @ --

## 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	29.61	8.097	9.625	0.0	465.0
4.500	11.600	J-55	4,960.0	5,350.0	124.34	4.000	5.000	0.0	8,000.0

## Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
1.050	1.140	L & N-80	15,370.000	0.970	0.824	1.313	0.000	1,465.000

## Products

### Plug 1

From Depth (ft): 0

To Depth (ft): 1465

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 466 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 110.4 (bbl)

Water Temperature(°F) = 45 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 63

+ 0.5 % of CaCl<sub>2</sub> (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

## Fluid & Cement Data

Expected Cement Top: Surface

### Wellbore Fluid

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



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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>
449093	TRAILER	Utility Trailer	201025	PICKUP	1 Ton	12/17/2014 06:45	12/17/2014 11:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	12/17/2014 06:45	12/17/2014 11:00
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	12/17/2014 06:45	12/17/2014 11:00

#### 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)	12/17/2014 06:45	12/17/2014 11:00		
Svoboda, Miloslav (28226)	12/17/2014 06:45	12/17/2014 11:00		
Decenick, Scott (30083)	12/17/2014 06:45	12/17/2014 11:00		
Meisner, Jeremy (27681)	12/17/2014 06:45	12/17/2014 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	Dec 17, 2014 06:45	Arrive On Location Remarks: Arrived.		--	--	--	--	0.00
2	Dec 17, 2014 06:55	Crew Briefing (Rig in) Remarks: Talked about spotting trucks and rigging in.		--	--	--	--	0.00
3	Dec 17, 2014 07:00	Rig in Complete Remarks: Rig in complete.		--	--	--	--	0.00
4	Dec 17, 2014 07:45	Crew Briefing (Pre Job) Remarks: Muster, 911 caller, Nearest med., Amb. and driver., Location safety equipt., Job scope.		--	--	--	--	0.00
5	Dec 17, 2014 08:33	Pressure Test Start Remarks: Pressure test 3500 psi.	Water	--	3,500.0	--	--	0.00
6	Dec 17, 2014 08:36	Pressure Test Complete Remarks: Pressure test complete.		--	--	--	--	0.00
7	Dec 17, 2014 08:44	Establish Circulation Remarks: Establish circ..	Water	2.00	800.0	--	5.00	5.00
8	Dec 17, 2014 08:46	Pump Preflush Remarks: 4 BBLs of pickle.	Water	2.00	800.0	--	4.00	9.00
9	Dec 17, 2014 08:49	Pump Spacer Remarks: Pump 5 BBL Spacer.	Water	2.00	900.0	--	5.00	14.00
10	Dec 17, 2014 08:51	Pump Preflush Remarks: Pump 20 BBLs SMS.	Water	2.00	900.0	--	20.00	34.00
11	Dec 17, 2014 09:01	Pump Spacer Remarks: 5 BBL spacer fresh.	Water	1.00	300.0	--	5.00	39.00
12	Dec 17, 2014 09:07	Mix Cement Remarks: 110 BBLs of cement @ 14.8 lb/gal.. Got 7 back to surface.	0:1:0 Type III	2.00	2,000.0	--	110.40	149.40
13	Dec 17, 2014 10:25	Rig Out Remarks: Rig down iron.		--	--	--	--	149.40
14	Dec 17, 2014 10:40	Job Complete Remarks: Job complete.		--	--	--	--	149.40
15	Dec 17, 2014 11:00	Leave Location Remarks: Leave.		--	--	--	--	149.40

Did Float Hold: Not Applicable  
Fluid Returns : Yes  
Type : Cement  
Volume (bbl) : 7  
Temperature (°F) : 73  
FDAS Functioning Correctly : Yes  
Was the Program Followed As Per Design? : Yes

### Material Transfer Sheet Number

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54444

54445

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

Print Date: December 17, 2014  
Service Report: 9199289  
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