



Client Name Anadarko Petroleum Corporation	Well Name Goldsmith 11 - 31	Rig Ensign Drilling Inc. 303	Job Date January 06, 2016	Call Sheet 1063657
Client Representative Mr. Traux Deal	Surface Well Location NE SW Sec 31:T4N:R66W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Maguire, Matthew (26325)

**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 (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
8.625	24.000	J-55	1,370.0	2,950.0	28.91	8.097	9.625	0.0	454.0
4.500	11.600	J-55	4,960.0	5,350.0	16.32	4.000	5.000	0.0	1,050.0

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
1.660	2.400	J-55	8,490.000	1.940	1.380	2.200	0.000	1,050.000

**Products**

**Stage 1**

From Depth (ft): 1050  
To Depth (ft): 350

Acids/Blends/Fluids :

Tail: 270 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 64 (bbl)

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

- + 0.25 lb/sack of LCL-7 (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): 350

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 07, 2015 22:11



**Units & Personnel**

<b>Units</b>							
<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>
449095	TRAILER	Utility Trailer	201173	PICKUP	1 Ton	01/06/2016 07:00	01/06/2016 10:30
445044	TRAILER	SCM Twin	745044	TRACTOR	Tandem - Tractor	01/06/2016 07:00	01/06/2016 10:30
446153	TRAILER	Bulker	746153	TRACTOR	Tandem - Tractor	01/06/2016 07:00	01/06/2016 10:30

<b>Crew and Bonuses</b>				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Maguire, Matthew (26325)	01/06/2016 07:00	01/06/2016 10:30		
Schroeder, Stephen (25442)	01/06/2016 07:00	01/06/2016 10:30		
Dunsbergen, Scott (29737)	01/06/2016 07:00	01/06/2016 10:30		
Trujillo, Dino (29839)	01/06/2016 07:00	01/06/2016 10:30		



**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 06,2016 07:00	Arrive On Location Remarks: Sign in at lease entrance.		--	--	--	--	0.00
2	Jan 06,2016 07:05	Tailgate Meeting Remarks: JSA.		--	--	--	--	0.00
3	Jan 06,2016 07:15	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Jan 06,2016 07:50	Rig in Complete		--	--	--	--	0.00
5	Jan 06,2016 07:55	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Jan 06,2016 08:00	STEACS Briefing		--	--	--	--	0.00
7	Jan 06,2016 08:15	Sign-off on Safety		--	--	--	--	0.00
8	Jan 06,2016 08:25	Start - Fluid Remarks: Filled lines.	Water	1.00	--	--	1.00	1.00
9	Jan 06,2016 08:26	Pressure Test Start	Water	--	1,500.0	--	--	1.00
10	Jan 06,2016 08:27	Pressure Test Complete Remarks: All lines held pressure.	Water	--	1,500.0	--	--	1.00
11	Jan 06,2016 08:28	Establish Circulation Remarks: We had circulation.	Water	2.00	100.0	--	5.00	6.00
12	Jan 06,2016 08:32	Pump Preflush Remarks: 350# SMS.	Water	2.00	485.0	--	20.00	26.00
13	Jan 06,2016 08:40	Pump Spacer	Water	2.00	475.0	--	5.00	31.00
14	Jan 06,2016 08:43	Mix Cement Remarks: WR=6.31,	0:1:0 Type III	2.00	850.0	--	64.00	95.00
15	Jan 06,2016 09:14	Displace Fluid Remarks: Flushed lines.	Water	2.00	950.0	--	1.00	96.00
16	Jan 06,2016 09:16	Stop		--	--	--	--	96.00
17	Jan 06,2016 09:20	Wash	Water	1.50	100.0	--	20.00	96.00
18	Jan 06,2016 09:50	Rig Out Remarks: Revisit JSA.		--	--	--	--	96.00
19	Jan 06,2016 10:15	Pre-Departure Meeting		--	--	--	--	96.00
20	Jan 06,2016 10:25	Job Complete		--	--	--	--	96.00
21	Jan 06,2016 10:30	Leave Location Remarks: Revisit JSA, leave location safely.		--	--	--	--	96.00

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  
63242



# Cementing Service Report

9209223

Client Name Anadarko Petroleum Corporation	Well Name Goldsmith 11 - 31	Rig Ensign Drilling Inc. 303	Job Date January 07, 2016	Call Sheet 1063704
Client Representative Mr. Traux Deal	Surface Well Location NE SW Sec 31:T4N:R66W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Doran, Benjamin (27933)

## 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)
12.000	--	0.000	155.000	--	--

Casing									
Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
8.625	24.000		--	--	--	--	--	0.0	454.0

## Products

<b>Stage 1</b>	
From Depth (ft):	0
To Depth (ft):	155
Acids/Blends/Fluids :	30 SACKS PUMPED, SEE BELOW HIGHLIGHTED
Tail: 303 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 9.3 (bbl)	
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 70	

## Fluid & Cement Data

Expected Cement Top:	Surface				
<b>Wellbore Fluid</b>					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 07, 2015 22:11

## Units & Personnel

Units							
Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
449093	TRAILER	Utility Trailer	201025	PICKUP	1 Ton	01/07/2016 12:30	01/07/2016 14:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	01/07/2016 12:30	01/07/2016 14:00
746502	BODY JOB	Baby Bulker				01/07/2016 12:30	01/07/2016 14:00

Crew and Bonuses					
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift	
Doran, Benjamin (27933)	01/07/2016 12:30	01/07/2016 14:00			
Pigg, Martin (28301)	01/07/2016 12:30	01/07/2016 14:00			
Peterson, Ryan (28158)	01/07/2016 12:30	01/07/2016 14:00			

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 07,2016 12:30	Arrive On Location		--	--	--	--	0.00	
2	Jan 07,2016 12:35	Crew Briefing (Rig in)		--	--	--	--	0.00	
3	Jan 07,2016 12:45	Rig in Complete		--	--	--	--	0.00	
4	Jan 07,2016 12:46	Crew Briefing (Pre Job)		--	--	--	--	0.00	
5	Jan 07,2016 12:57	Pressure Test Start	Water	0.75	30.0	--	1.00	0.00	
		Remarks: Fill lines							
6	Jan 07,2016 12:58	Pressure Test Complete		--	1,000.0	--	--	0.00	
		Remarks: All lines held pressure							
7	Jan 07,2016 13:00	Mix Cement	Control Set C	0.80	30.0	--	9.30	0.00	
		Remarks: Mix/Pump 30 Sacks @ 13.5 PPG, 1.74 Yield, 9.16 Water Req, 99.62 Sack Weight							
8	Jan 07,2016 13:12	Displace Fluid	Water	0.80	30.0	--	0.75	0.00	
		Remarks: flush out lines							
9	Jan 07,2016 13:20	Wash	Water	--	--	--	15.00	0.00	
10	Jan 07,2016 13:40	Rig Out		--	--	--	--	0.00	
11	Jan 07,2016 13:55	Job Complete		--	--	--	--	0.00	
12	Jan 07,2016 14:00	Leave Location		--	--	--	--	0.00	
Did Float Hold:		Not Applicable							
Fluid Returns :		Yes							
Type :		Cement							
Volume (bbl) :		6							
Temperature (°F) :		70							
FDAS Functioning Correctly :		Yes							
Was the Program Followed As Per Design? :		Yes							
<b>Material Transfer Sheet Number</b>									
<u>Material Transfer Sheet Number</u>									
63266									



Client Name Anadarko Petroleum Corporation	Well Name Goldsmith 11 - 31	Rig Ensign Drilling Inc. 303	Job Date January 08, 2016	Call Sheet 1063733
Client Representative Mr. Traux Deal	Surface Well Location NE SW Sec 31:T4N:R66W	Down Hole Well Location	Job Type Cement Misc.	Lead Supervisor Maguire, Matthew (26325)

**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):	--- @ --

<b>Open Hole</b>					
<u>Size (in)</u>	<u>Excess (%)</u>	<u>TMD From (ft)</u>	<u>TMD To (ft)</u>	<u>TVD From (ft)</u>	<u>TVD To (ft)</u>
0.000	--	--	--	--	--

<b>Casing</b>										
<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Internal Yield Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>	
(in)	(lb/ft)		(psi)	(psi)	(bbl)	(in)	(in)	(ft)	(ft)	
8.625	24.000	J-55	1,370.0	2,950.0	28.91	8.097	9.625	0.0	454.0	

**Products**

<b>Stage 1</b>	
From Depth (ft):	454
To Depth (ft):	0
Acids/Blends/Fluids :	
Tail: 30 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 18.6 (bbl)	
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 50	
+ 0.25 lb/sack of LCL-7 (Preblend),	
+ 0.25 lb/sack of Fiber-Block (Add On The Fly)	

**Fluid & Cement Data**

Expected Cement Top:	Surface				
<b>Wellbore Fluid</b>					
<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	--	--	--	--	Jun 07, 2015 22:11

**Units & Personnel**

<b>Units</b>							
<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>
201173	PICKUP	1 Ton				01/08/2016 11:30	01/08/2016 13:30
740004	BODY JOB	C & A				01/08/2016 11:30	01/08/2016 13:30
746508	BODY JOB	Baby Bulker				01/08/2016 11:30	01/08/2016 13:30

<b>Crew and Bonuses</b>					
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>	
Maguire, Matthew (26325)	01/08/2016 11:30	01/08/2016 13:30			
Leue, David (28684)	01/08/2016 11:30	01/08/2016 13:30			
Devine, Richard (29733)	01/08/2016 11:30	01/08/2016 13:30			



**Treatment Reports & Remarks**

<b>Treatment Report</b>									
<u>Event #</u>	<u>Event Time</u>	<u>Event Description</u>	<u>Fluid Type</u>	<u>Rate</u> <u>(bbl/min)</u>	<u>Tubular Pressure</u> <u>(psi)</u>	<u>Annular Pressure</u> <u>(psi)</u>	<u>Stage Volume</u> <u>(bbl)</u>	<u>Total Volume</u> <u>(bbl)</u>	
1	Jan 08,2016 11:30	Arrive On Location		--	--	--	--	0.00	
		Remarks: Sign in at lease entrance.							
2	Jan 08,2016 11:35	Tailgate Meeting		--	--	--	--	0.00	
		Remarks: JSA.							
3	Jan 08,2016 11:45	Crew Briefing (Rig in)		--	--	--	--	0.00	
4	Jan 08,2016 12:00	Rig in Complete		--	--	--	--	0.00	
5	Jan 08,2016 12:03	Crew Briefing (Pre Job)		--	--	--	--	0.00	
6	Jan 08,2016 12:05	STEACS Briefing		--	--	--	--	0.00	
7	Jan 08,2016 12:10	Sign-off on Safety		--	--	--	--	0.00	
8	Jan 08,2016 12:25	Start - Fluid	Water	2.00	90.0	--	1.00	1.00	
		Remarks: Filled lines.							
9	Jan 08,2016 12:26	Pressure Test Start	Water	--	1,500.0	--	--	1.00	
10	Jan 08,2016 12:27	Pressure Test Complete	Water	--	1,500.0	--	--	1.00	
		Remarks: All lines held pressure.							
11	Jan 08,2016 12:28	Mix Cement	Control Set C	1.00	60.0	--	9.30	10.30	
		Remarks: Wr=9.16,							
12	Jan 08,2016 12:43	Displace Fluid	Water	1.00	30.0	--	0.50	10.80	
13	Jan 08,2016 12:44	Stop		--	--	--	--	10.80	
14	Jan 08,2016 12:50	Wash	Water	1.50	100.0	--	20.00	10.80	
15	Jan 08,2016 13:15	Rig Out		--	--	--	--	10.80	
		Remarks: Revisit JSA.							
16	Jan 08,2016 13:25	Pre-Departure Meeting		--	--	--	--	10.80	
17	Jan 08,2016 13:27	Job Complete		--	--	--	--	10.80	
18	Jan 08,2016 13:30	Leave Location		--	--	--	--	10.80	

Did Float Hold: Not Applicable  
 Fluid Returns : Yes  
 Type : Cement  
 Volume (bbl) : 2  
 Temperature (°F) : 50  
 FDAS Functioning Correctly : Yes  
 Was the Program Followed As Per Design? : Yes

**Material Transfer Sheet Number**  
Material Transfer Sheet Number  
 63276



# Cementing Service Report

9209168

Client Name Anadarko Petroleum Corporation	Well Name Goldsmith 11 - 31	Rig Ensign Drilling Inc. 303	Job Date January 11, 2016	Call Sheet 1063803
Client Representative Mr. Traux Deal	Surface Well Location Sec 31:T4N:R66W	Down Hole Well Location	Job Type Cement Misc.	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):	--- @ --

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
8.625	24.000		--	--	--	--	--	0.0	450.0

## Products

<b>Stage 1</b>	
From Depth (ft):	146
To Depth (ft):	0
Acids/Blends/Fluids :	
Tail: 30 Sacks of Control Set C, Density = 13.5 lb/gal, Volume Pumped = 9.3 (bbl)	
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 60	
+ 0.25 lb/sack of Polyflake (Preblend)	

## Fluid & Cement Data

Expected Cement Top:	Surface				
<b>Wellbore Fluid</b>					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 07, 2015 22:11

## Units & Personnel

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201386	PICKUP	1 Ton				01/11/2016 11:00	01/11/2016 15:30
740018-1	BODY JOB	C & A				01/11/2016 11:00	01/11/2016 15:30
746508	BODY JOB	Baby Bulker				01/11/2016 11:00	01/11/2016 15:30

## Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Klosterman, Austin (27698)	01/11/2016 11:00	01/11/2016 15:30		
Curtner, Jerry (28310)	01/11/2016 11:00	01/11/2016 15:30		
Peterson, Ryan (28158)	01/11/2016 11:00	01/11/2016 15:30		

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 11,2016 11:00	Arrive On Location		0.00	0.0	0.0	0.00	0.00	
2	Jan 11,2016 11:10	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00	
3	Jan 11,2016 12:00	Rig in Complete		0.00	0.0	0.0	0.00	0.00	
4	Jan 11,2016 12:30	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00	
5	Jan 11,2016 13:04	Pressure Test Start	Water	0.00	1,300.0	0.0	0.00	0.00	
6	Jan 11,2016 13:05	Pressure Test Complete	Water	0.00	1,300.0	0.0	0.00	0.00	
7	Jan 11,2016 13:50	Pump	Control Set C	1.00	150.0	0.0	9.30	9.30	
Remarks: Mix up and pump 30sx @13.5#, Yield 1.74, WR 9.16, Mix H2O 6.5bbl, Scaled@1352@13.5#.									
8	Jan 11,2016 14:09	Displace Fluid	Water	1.00	150.0	0.0	0.50	9.80	
9	Jan 11,2016 14:00	Rig Out		0.00	0.0	0.0	0.00	9.80	
10	Jan 11,2016 14:30	Job Complete		0.00	0.0	0.0	0.00	9.80	
11	Jan 11,2016 15:30	Leave Location		0.00	0.0	0.0	0.00	9.80	
Did Float Hold:		Not Applicable							
Fluid Returns :		Yes							
Type :		Cement							
Volume (bbl) :		6							
Temperature (°F) :		60							
FDAS Functioning Correctly :		Yes							
Was the Program Followed As Per Design? :		Yes							
<b>Material Transfer Sheet Number</b>									
<u>Material Transfer Sheet Number</u>									
63289									
63291									



# Cementing Service Report

9209074

Client Name Anadarko Petroleum Corporation	Well Name Goldsmith 11 - 31	Rig Ensign Drilling Inc. 303	Job Date January 12, 2016	Call Sheet 1063845
Client Representative Mr. Traux Deal	Surface Well Location NE SW Sec 31:T4N:R66W	Down Hole Well Location	Job Type Cement Misc.	Lead Supervisor Hansen, Kevin (27592)

## 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 (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Internal Yield Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
8.625	24.000	J-55	1,370.0	2,950.0	28.91	8.097	9.625	0.0	454.0
4.500	11.600		--	--	--	--	--	0.0	1,050.0

## Products

<b>Stage 1</b>	
From Depth (ft):	0
To Depth (ft):	30
Acids/Blends/Fluids :	
Plug: 30 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 7 (bbl)	
Water Temperature(°F) = 57 , Bulk Temperature(°F) = 57 , Slurry Temperature(°F) = 64	
+ 0.3 % of CFL-3 (Preblend),	
+ 0.3 % of CFR-2 (Preblend),	
+ 2 % of CaCl2 (Preblend),	
+ 0.25 lb/sack of Polyflake (Preblend)	

## Fluid & Cement Data

Expected Cement Top:	Surface				
<b>Wellbore Fluid</b>					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 07, 2015 22:11

## Units & Personnel

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201273	PICKUP	3/4 Ton				01/12/2016 13:00	01/12/2016 15:00
740004	BODY JOB	C & A				01/12/2016 13:00	01/12/2016 15:00
746502	BODY JOB	Baby Bulker				01/12/2016 13:00	01/12/2016 15:00

## Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Hansen, Kevin (27592)	01/12/2016 13:00	01/12/2016 15:00		
Curtner, Jerry (28310)	01/12/2016 13:00	01/12/2016 15:00		
Peterson, Ryan (28158)	01/12/2016 13:00	01/12/2016 15:00		

### 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 12,2016 13:00	Arrive On Location		--	--	--	--	0.00
2	Jan 12,2016 13:05	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Discussed spotting of trucks and filled out JSA						
3	Jan 12,2016 13:20	Rig in Complete		--	--	--	--	0.00
4	Jan 12,2016 13:25	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Discussed upcoming job and safety concerns with rig crew.						
5	Jan 12,2016 13:48	Pressure Test Start	Water	1.00	50.0	--	1.00	1.00
		Remarks: Filled lines for pressure test						
6	Jan 12,2016 13:50	Pressure Test Complete		--	1,200.0	--	--	1.00
		Remarks: Pressure test good						
7	Jan 12,2016 13:53	Mix Cement	0:1:0 Type III	1.00	100.0	--	7.00	8.00
		Remarks: D-14.8, Y-1.33, WR-6.31						
8	Jan 12,2016 14:03	Displace Fluid	Water	1.00	50.0	--	0.50	8.50
9	Jan 12,2016 14:06	Job Complete		--	--	--	--	8.50
10	Jan 12,2016 14:10	Wash		--	--	--	--	8.50
11	Jan 12,2016 14:35	Rig Out		--	--	--	--	8.50
12	Jan 12,2016 14:50	Pre-Departure Meeting		--	--	--	--	8.50
		Remarks: Discussed journey management						
13	Jan 12,2016 15:00	Leave Location		--	--	--	--	8.50

Did Float Hold: Not Applicable  
 Fluid Returns : Yes  
 Type : Cement  
 Volume (bbl) : 0.5  
 Temperature (°F) : 65  
 FDAS Functioning Correctly : No  
 Was the Program Followed As Per Design? : Yes

#### Material Transfer Sheet Number

Material Transfer Sheet Number

63308