



# Pumping Service Report

9201556

Client Name Anadarko Petroleum Corporation	Well Name Jacob Schlegel 1	Rig Ensign Drilling Inc. 316	Job Date January 06,2015	Call Sheet 1052892
Client Representative Mr. Mark Vandagriff	Surface Well Location SW NE Sec 32:T3N:R65W	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	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)
0.000	10.500	K-55	4,010.0	4,790.0	--	4.052	5.000	0.0	6,940.0

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	--	26.750	--	--	0.000	6,920.000

## Products

### Plug 1

From Depth (ft): 6517

To Depth (ft): 6940

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) = 65

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of ASM-3 (Preblend)

## Fluid & Cement Data

Expected Cement Top: Depth (ft): 6517

### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 05, 2015 15:14



## Pumping Service Report

9201556

### Units & Personnel

#### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201009	PICKUP	1 Ton				01/06/2015 08:00	01/06/2015 11:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/06/2015 08:00	01/06/2015 11:00
746506	BODY JOB	Baby Bulker				01/06/2015 08:00	01/06/2015 11:00

#### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Hansen, Kevin (27592)	01/06/2015 08:00	01/06/2015 11:00		
Cheal, Samuel (28315)	01/06/2015 08:00	01/06/2015 11:00		
Devine, Richard (29733)	01/06/2015 08:00	01/06/2015 11:00		

### Lab Testing

#### Fluid Compatibility Testing

Is Testing Required? Yes

Was Water Tested? No

Acid Titration (% HCL Equivalent): --

Stability:

Iron Control (Live Acid):

Emulsion Break Time

Live (Min.): --

Spent (Min.): --

Compatibility Tests

Mesh Size: --

Time and BHT (Min.): --

Live Acid: --

Spent Acid: --

Testing Comments

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Testing witnessed by \_\_\_\_\_ Signature \_\_\_\_\_  
(Oil Company Representative)



#### 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 06,2015 08:00	Arrive On Location		—	—	—	—	0.00
2	Jan 06,2015 08:10	Tailgate Meeting		—	—	—	—	0.00
		Remarks: Discussed spotting of trucks and filled out JSA						
3	Jan 06,2015 08:30	Crew Briefing (Rig in)		—	—	—	—	0.00
4	Jan 06,2015 08:30	Rig In		—	—	—	—	0.00
		Remarks: Start rig in						
5	Jan 06,2015 08:45	Rig in Complete		—	—	—	—	0.00
6	Jan 06,2015 08:50	Crew Briefing (Pre Job)		—	—	—	—	0.00
		Remarks: Discussed job and safety concerns with rig crew						
7	Jan 06,2015 09:55	Sign-off on Safety		—	—	—	—	0.00
		Remarks: Signed our JSA and the rigs JSA						
8	Jan 06,2015 09:10	Pressure Test Start	Water	1.00	200.0	—	1.00	1.00
9	Jan 06,2015 09:12	Pressure Test Complete		—	3,000.0	—	—	1.00
10	Jan 06,2015 09:15	Establish Circulation	Water	2.00	200.0	—	5.00	6.00
11	Jan 06,2015 09:22	Mix Cement	Thermal 35	2.00	200.0	—	6.70	12.70
		Remarks: D-15.8						
12	Jan 06,2015 09:27	Displace Fluid	Water	3.00	800.0	—	25.00	37.70
13	Jan 06,2015 09:40	Job Complete		—	—	—	—	37.70
14	Jan 06,2015 09:56	Wash		—	—	—	—	37.70
15	Jan 06,2015 10:30	Rig Out		—	—	—	—	37.70
16	Jan 06,2015 10:45	Pre-Departure Meeting		—	—	—	—	37.70
		Remarks: Discussed journey management						
17	Jan 06,2015 11:00	Leave Location		—	—	—	—	37.70

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

55448



# Pumping Service Report

9201473

Client Name Anadarko Petroleum Corporation	Well Name Jacob Schlegel 1	Rig Ensign Drilling Inc. 316	Job Date January 07, 2015	Call Sheet 1052986
Client Representative Mr. Mark Vandagriff	Surface Well Location SW NE Sec 32:T3N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Klosterman, Austin (27698)

## 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)
11.500	--	--	--	--	--

## 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)
4.500	10.500	J-55	4,010.0	4,790.0	--	4.052	5.000	--	--

## Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	--	16.160	--	--	0.000	4,180.000

## Products

### Plug 1

From Depth (ft): 4550

To Depth (ft): 4150

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 300 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 62 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 65

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend)

## Fluid & Cement Data

Expected Cement Top: Depth (ft): 4150

### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 05, 2015 15:14





## Pumping Service Report

9201473

### 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>
201173	PICKUP	1 Ton				01/07/2015 09:30	01/07/2015 13:45
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	01/07/2015 09:30	01/07/2015 13:45
446075	TRAILER	Bulker	746075	TRACTOR	Tandem - Tractor	01/07/2015 09:30	01/07/2015 13:45

#### Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Klosterman, Austin (27698)	01/07/2015 09:30	01/07/2015 13:45		
Hansen, Ted (29055)	01/07/2015 09:30	01/07/2015 13:45		
Teegerstrom, Ty (27623)	01/07/2015 09:30	01/07/2015 13:45		
Molina, Alejandro (29922)	01/07/2015 09:30	01/07/2015 13:45		



# Pumping Service Report

9201473

## 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 07,2015 09:30	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Jan 07,2015 09:50	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Jan 07,2015 10:40	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Jan 07,2015 11:00	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Jan 07,2015 11:12	Pressure Test Start		0.00	3,700.0	0.0	0.00	0.00
6	Jan 07,2015 11:20	Pressure Test Complete		0.00	3,700.0	0.0	0.00	0.00
7	Jan 07,2015 11:25	Pump Preflush	Water	1.80	330.0	0.0	5.00	5.00
Remarks: Fresh ahead.								
8	Jan 07,2015 11:28	Pump Preflush	Water	3.00	750.0	0.0	20.00	25.00
Remarks: SMS.								
9	Jan 07,2015 11:35	Pump Preflush	Water	2.90	650.0	0.0	5.00	30.00
Remarks: Fresh ahead.								
10	Jan 07,2015 11:38	Pump	0-1-0 G	2.90	500.0	0.0	62.00	92.00
Remarks: Mix up and pump 300 sacks @15.8#, Yield 1.15, WR 4.98.								
11	Jan 07,2015 12:07	Displace Fluid	Water	2.80	800.0	0.0	13.00	105.00
12	Jan 07,2015 12:30	Rig Out		0.00	0.0	0.0	0.00	105.00
13	Jan 07,2015 13:30	Job Complete		0.00	0.0	0.0	0.00	105.00
14	Jan 07,2015 13:45	Leave Location		0.00	0.0	0.0	0.00	105.00

Did Float Hold:

Not Applicable

Fluid Returns :

Not Expected

Type :

Volume (bbl) :

Temperature (°F) :

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FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

### Material Transfer Sheet Number

Material Transfer Sheet Number

55464

55465



## Pumping Service Report

9201107

Client Name Anadarko Petroleum Corporation	Well Name Jacob Schlegel 1	Rig Ensign Drilling Inc. 316	Job Date January 08, 2015	Call Sheet 1053042
Client Representative Mr. Mark Vandagriff	Surface Well Location SW NE Sec 32:T3N: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): --- @ ---

#### 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)
4.500	10.500	J-55	4,010.0	4,790.0	36.68	4.052	5.000	0.0	2,300.0

#### Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	8,100.000	11.130	1.995	2.910	0.000	2,880.000

#### Products

##### Plug 1

From Depth (ft): 1911

To Depth (ft): 2880

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 75 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 15.4 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 40 , Slurry Temperature(°F) = 50

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend)

#### Fluid & Cement Data

Expected Cement Top: Depth (ft): 1911

##### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	---	8.400	---	---	Jan 05, 2015 15:14

#### Units & Personnel

##### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201114	PICKUP	3/4 Ton				01/08/2015 07:30	01/08/2015 11:00
740018-1	BODY JOB	C & A				01/08/2015 07:30	01/08/2015 11:00
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	01/08/2015 07:30	01/08/2015 11:00

##### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Bushnell, Cody (21127)	01/08/2015 07:30	01/08/2015 11:00		
McMartin, Granite (22138)	01/08/2015 07:30	01/08/2015 11:00		
Scott, Derck (24184)	01/08/2015 07:30	01/08/2015 11:00		
Davila, Israel (28152)	01/08/2015 07:30	01/08/2015 11:00		





# Pumping Service Report

9201107

## 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 08,2015 07:30	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	Jan 08,2015 07:31	Crew Briefing (Rig in)	---	0.00	0.0	0.0	0.00	0.00
3	Jan 08,2015 07:50	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Jan 08,2015 09:30	Crew Briefing (Pre Job)	---	0.00	0.0	0.0	0.00	0.00
5	Jan 08,2015 09:52	Pressure Test Start	Water	0.00	0.0	0.0	0.00	0.00
Remarks: Test Sanjel Lines								
6	Jan 08,2015 09:53	Pressure Test Complete	---	0.00	0.0	0.0	0.00	0.00
7	Jan 08,2015 09:54	Pump	Water	2.50	350.0	0.0	5.00	5.00
Remarks: Establish Circulation								
8	Jan 08,2015 09:57	Pump	0-1-0 G	2.50	400.0	0.0	15.40	20.40
9	Jan 08,2015 10:03	Pump	Water	1.50	30.0	0.0	7.00	27.40
Remarks: Displace To Balance								
10	Jan 08,2015 10:30	Rig Out	---	0.00	0.0	0.0	0.00	27.40
11	Jan 08,2015 11:00	Job Complete	---	0.00	0.0	0.0	0.00	27.40
12	Jan 08,2015 11:00	Leave Location	---	0.00	0.0	0.0	0.00	27.40

Did Float Hold: Not Applicable

Fluid Returns : Not Expected

Type :

Volume (bbl) :

Temperature (°F) : --

FDAS Functioning Correctly : No

Was the Program Followed As Per Design? : Yes

### Material Transfer Sheet Number

Material Transfer Sheet Number

55488



## Pumping Service Report

9201109

Client Name Anadarko Petroleum Corporation	Well Name Jacob Schlegel 1	Rig Ensign Drilling Inc. 316	Job Date January 09, 2015	Call Sheet 1053115
Client Representative Mr. Mark Vandagriff	Surface Well Location SW NE Sec 32:T3N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Bushnell, Cody (21127)





## Pumping Service Report

9201109

## 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)
4.500	10.500	J-55	4,010.0	4,790.0	47.85	4.052	5.000	0.0	3,000.0

## Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.375	4.700	J-55	8,100.000	8.070	1.995	2.910	0.000	2,087.000

## Products

## Plug 1

From Depth (ft): 1837  
To Depth (ft): 2087  
Plug Type : Abandonment  
Acids/Blends/Fluids :  
Plug: 20 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 4 (bbl)  
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 30 , Slurry Temperature(°F) = 40  
+ 0.5 % of CFR-2 (Preblend),  
+ 0.2 % of FMC (Preblend),  
+ 0.5 % of LWA (Preblend)

## Fluid &amp; Cement Data

Expected Cement Top: Depth (ft): 1837

## Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 05, 2015 15:14

## Units &amp; Personnel

## Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201114	PICKUP	3/4 Ton				01/09/2015 08:30	01/09/2015 11:30
740018-1	BODY JOB	C & A				01/09/2015 08:30	01/09/2015 11:30
746506	BODY JOB	Baby Bulker				01/09/2015 08:30	01/09/2015 11:30

## Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Bushnell, Cody (21127)	01/09/2015 08:30	01/09/2015 11:30		
McMartin, Granite (22138)	01/09/2015 08:30	01/09/2015 11:30		
Scott, Derek (24184)	01/09/2015 08:30	01/09/2015 11:30		

### 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 09,2015 08:30	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	Jan 09,2015 08:31	Crew Briefing (Rig in)	---	0.00	0.0	0.0	0.00	0.00
3	Jan 09,2015 09:30	Rig in Complete	---	0.00	0.0	0.0	0.00	0.00
4	Jan 09,2015 09:45	Crew Briefing (Pre Job)	---	0.00	0.0	0.0	0.00	0.00
5	Jan 09,2015 10:15	Pressure Test Start	---	0.00	0.0	0.0	0.00	0.00
6	Jan 09,2015 10:16	Pressure Test Complete	---	0.00	0.0	0.0	0.00	0.00
7	Jan 09,2015 10:17	Pump	Water	1.50	200.0	0.0	5.00	5.00
8	Jan 09,2015 10:21	Pump	0-1-0 G	1.50	150.0	0.0	4.00	9.00
9	Jan 09,2015 10:23	Pump	Water	1.50	50.0	0.0	7.00	16.00
10	Jan 09,2015 11:30	Job Complete	---	0.00	0.0	0.0	0.00	16.00
11	Jan 09,2015 11:31	Leave Location	---	0.00	0.0	0.0	0.00	16.00

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

55008



9201111

Client Name Anadarko Petroleum Corporation	Well Name Jacob Schlegel 1	Rig Ensign Drilling Inc. 316	Job Date January 12, 2015	Call Sheet 1053284
Client Representative Mr. Mark Vandagriff	Surface Well Location SW NE Sec 32:T3N: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):	--- @ ---

### 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)
4.500	10.500	J-55	4,010.0	4,790.0	31.90	4.052	5.000	0.0	2,000.0

### Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	8,100.000	5.030	1.995	2.910	0.000	1,300.000

### Products

#### Plug 1

From Depth (ft):  
To Depth (ft):  
Plug Type : Abandonment  
Acids/Blends/Fluids :  
Plug: 50 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 10.2 (bbl)  
+ 0.5 % of CFR-2 (Preblend),  
+ 0.2 % of FMC (Preblend),  
+ 0.5 % of LWA (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 1110

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 05, 2015 15:14

### Attachment & Tools

#### Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	1,300.000	Third Party

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>	
201114	PICKUP	3/4 Ton				01/12/2015 08:00	01/12/2015 11:00	
740018-1	BODY JOB	C & A				01/12/2015 08:00	01/12/2015 11:00	
746506	BODY JOB	Baby Bulker				01/12/2015 08:00	01/12/2015 11:00	
<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>	
Bushnell, Cody (21127)	01/12/2015 08:00	01/12/2015 11:00						
McMartin, Granite (22138)	01/12/2015 08:00	01/12/2015 11:00						
Scott, Derek (29603)	01/12/2015 08:00	01/12/2015 11:00						
Daylong, Eric (28076)	01/12/2015 08:00	01/12/2015 11:00						
<b>Treatment Reports &amp; Remarks</b>								
<b>Treatment Report</b>								
<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	Jan 12, 2015 08:00	Arrive On Location	---	0.00	0.0	0.0	0.00	0.00
2	Jan 12, 2015 08:05	Crew Briefing (Rig in)	---	0.00	0.0	0.0	0.00	0.00
3	Jan 12, 2015 08:45	Rig in Complete	---	--	0.0	0.0	0.00	0.00
4	Jan 12, 2015 08:50	Crew Briefing (Pre Job)	---	0.00	0.0	0.0	0.00	0.00
5	Jan 12, 2015 09:22	Pressure Test Start	Water	0.00	0.0	0.0	0.00	0.00
		Remarks: Test Sanjel Lines						
6	Jan 12, 2015 09:23	Pressure Test Complete	Water	0.00	0.0	0.0	0.00	0.00
7	Jan 12, 2015 09:23	Pump	Water	1.00	1,200.0	0.0	10.00	10.00
		Remarks: Establish Injection Rate						
8	Jan 12, 2015 09:33	Pump	0-1-0 G	1.00	1,000.0	0.0	10.20	20.20
9	Jan 12, 2015 09:48	Pump	Water	1.00	1,400.0	0.0	2.00	22.20
		Remarks: Leave 3 BBLs On Top 190'						
10	Jan 12, 2015 10:12	Reverse Circulate	Water	2.00	0.0	300.0	10.00	32.20
11	Jan 12, 2015 10:55	Job Complete	---	0.00	0.0	0.0	0.00	32.20
12	Jan 12, 2015 11:00	Leave Location	---	0.00	0.0	0.0	0.00	32.20
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						
<b>Material Transfer Sheet Number</b>								
<u>Material Transfer Sheet Number</u>								
55046								





## Pumping Service Report

9201431

Client Name Anadarko Petroleum Corporation	Well Name Jacob Schlegel 1	Rig Ensign Drilling Inc. 316	Job Date January 13, 2015	Call Sheet 1053362
Client Representative Mr. Mark Vandagriff	Surface Well Location SW NE Sec 32:T3N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Laeger, Kacey (25046)

#### 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 (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)
4.500	10.500	J-55	4,010.0	4,790.0	18.41	4.052	5.000	0.0	1,154.0

#### Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.375	4.700	J-55	8,100.000	4.460	1.995	2.910	0.000	1,154.000

#### Products

##### Plug 1

From Depth (ft): 399

To Depth (ft): 1154

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 50 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 12 (bbl)  
 Water Temperature(°F) = 40 , Bulk Temperature(°F) = 20 , Slurry Temperature(°F) = 45  
 + 1 % 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: Depth (ft): 399

##### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 05, 2015 15:14

#### Units & Personnel

##### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201025	PICKUP	1 Ton				01/13/2015 08:00	01/13/2015 10:35
740004	BODY JOB	C & A				01/13/2015 08:00	01/13/2015 10:35
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	01/13/2015 08:00	01/13/2015 10:35

##### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Laeger, Kacey (25046)	01/13/2015 08:00	01/13/2015 10:35		
Curtner, Jerry (28310)	01/13/2015 08:00	01/13/2015 10:35		
Lindsay, Kevin (27589)	01/13/2015 08:00	01/13/2015 10:35		



#### 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 13,2015 08:00	Arrive On Location		--	--	--	--	0.00
2	Jan 13,2015 08:05	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Held						
3	Jan 13,2015 08:25	Rig in Complete		--	--	--	--	0.00
4	Jan 13,2015 08:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Held						
5	Jan 13,2015 09:12	Pressure Test Start	Water	1.00	20.0	--	1.00	1.00
		Remarks: Filled lines						
6	Jan 13,2015 09:14	Pressure Test Complete	Water	--	2,400.0	--	--	1.00
		Remarks: Lines Held good						
7	Jan 13,2015 09:15	Establish Circulation	Water	2.00	180.0	--	5.00	6.00
		Remarks: Good Circulation						
8	Jan 13,2015 09:19	Batch Mix	0:1:0 Type III	--	--	--	--	6.00
		Remarks: Mix 50sk of 0:1:0 typell at 14.8 lb/gal						
9	Jan 13,2015 09:38	Pump	0:1:0 Type III	2.00	200.0	--	12.00	18.00
		Remarks: Pumped 50sk of 0:1:0 typell at 14.8 lb/gal						
10	Jan 13,2015 09:45	Displace Fluid	Water	1.00	200.0	--	2.00	20.00
		Remarks: Displace to balance plug						
11	Jan 13,2015 09:48	Finish Displacement		--	--	--	--	20.00
12	Jan 13,2015 09:50	Wash	Water	--	--	--	20.00	20.00
		Remarks: Wash up pump unit						
13	Jan 13,2015 10:05	Job Complete		--	--	--	--	20.00
14	Jan 13,2015 10:05	Tailgate Meeting		--	--	--	--	20.00
		Remarks: Held						
15	Jan 13,2015 10:15	Rig Out		--	--	--	--	20.00
16	Jan 13,2015 10:25	Pre-Departure Meeting		--	--	--	--	20.00
		Remarks: Held						
17	Jan 13,2015 10:35	Leave Location		--	--	--	--	20.00

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

55064

55066



## Pumping Service Report

9201548

Client Name Anadarko Petroleum Corporation	Well Name Jacob Schlegel 1	Rig Ensign Drilling Inc. 316	Job Date January 15,2015	Call Sheet 1053467
Client Representative Mr. Mark Vandagriff	Surface Well Location SW NE Sec 32:T3N:R65W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Douglass, Brian (23898)

### 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)
11.500	--	--	--	209.000	228.000

### 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)
8.625	24.000		--	--	--	--	--	0.0	209.0
4.500	10.500		--	--	--	--	--	0.0	228.0

### 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		--	--	--	--	0.000	453.000

### Products

#### Plug 1

From Depth (ft): 115

To Depth (ft): 453

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 60 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 14 (bbl)

Water Temperature(°F) = 40 , Bulk Temperature(°F) = 45 , Slurry Temperature(°F) = 76

+ 1 % 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: Depth (ft): 115

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jan 05, 2015 15:14





## Pumping Service Report

9201548

### 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>
200868	PICKUP	3/4 Ton				01/15/2015 08:30	01/15/2015 10:30
740018-1	BODY JOB	C & A				01/15/2015 08:30	01/15/2015 10:30
446171	TRAILER	Bulker	746171	TRACTOR	Tandem - Tractor	01/15/2015 08:30	01/15/2015 10:30

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Douglass, Brian (23898)	01/15/2015 08:30	01/15/2015 10:30		
Bailey, Steven (29186)	01/15/2015 08:30	01/15/2015 10:30		
Hall, Austin (28887)	01/15/2015 08:30	01/15/2015 10:30		

### 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	Jan 15,2015 08:00	Arrive On Location		--	--	--	--	0.00
2	Jan 15,2015 08:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jan 15,2015 08:50	Rig in Complete		--	--	--	--	0.00
4	Jan 15,2015 09:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jan 15,2015 09:09	Pressure Test Start		--	1,000.0	--	--	0.00
6	Jan 15,2015 09:11	Pressure Test Complete		--	--	--	--	0.00
7	Jan 15,2015 09:13	Pump	Water	2.00	100.0	--	10.00	0.00
8	Jan 15,2015 09:25	Pump	0:1:0 Type III	2.00	250.0	--	14.00	0.00
9	Jan 15,2015 09:38	Displace Fluid	Water	1.00	50.0	--	1.00	0.00
10	Jan 15,2015 09:40	Rig Out		--	--	--	--	0.00
11	Jan 15,2015 10:15	Job Complete		--	--	--	--	0.00
12	Jan 15,2015 10:30	Leave Location		--	--	--	--	0.00

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	
<u>Material Transfer Sheet Number</u>	55097