



## Pumping Service Report

9206657

Client Name Anadarko Petroleum Corporation	Well Name Kugel W4 - 4	Rig Concord Well Servicing 3	Job Date August 19,2015	Call Sheet 1060107
Client Representative Mr. Jay Chandler	Surface Well Location NW NW Sec 4:T2N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	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): --- @ --

### Tubing

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.875	6.500	J-55	7,680.000	25.350	2.441	3.668	0.000	4,380.000

### Products

#### Plug 1

From Depth (ft): 6049

To Depth (ft): 4380

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 150 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 30.7 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 4380

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 02, 2015 09:59

### 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>
449095	TRAILER	Utility Trailer	201168	PICKUP	1 Ton	08/19/2015 14:00	08/19/2015 17:30
445046	TRAILER	SCM Twin	745046	TRACTOR	Tandem - Tractor	08/19/2015 14:00	08/19/2015 17:30
746506	BODY JOB	Baby Bulker				08/19/2015 14:00	08/19/2015 17:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Maguire, Matthew (26325)	08/19/2015 14:00	08/19/2015 17:30					
Schneider, Patrick (24093)	08/19/2015 14:00	08/19/2015 17:30					
Davila, Israel (28152)	08/19/2015 14:00	08/19/2015 17:30					



## 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	Aug 19,2015 14:00	Arrive On Location		--	--	--	--	0.00
		Remarks: Signed in at lease entrance, checked in with company rep Mr. Jay Chandler.						
2	Aug 19,2015 14:05	Tailgate Meeting		--	--	--	--	0.00
		Remarks: JSA.						
3	Aug 19,2015 14:20	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Aug 19,2015 14:45	Rig in Complete		--	--	--	--	0.00
5	Aug 19,2015 14:55	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Aug 19,2015 15:00	STEACS Briefing		--	--	--	--	0.00
7	Aug 19,2015 15:15	Sign-off on Safety		--	--	--	--	0.00
8	Aug 19,2015 15:20	Start - Fluid	Water	1.00	250.0	--	1.00	1.00
		Remarks: Filled lines.						
9	Aug 19,2015 15:22	Pressure Test Start	Water	--	3,500.0	--	--	1.00
10	Aug 19,2015 15:23	Pressure Test Complete	Water	--	3,500.0	--	--	1.00
		Remarks: All lines held pressure.						
11	Aug 19,2015 15:24	Pump	Water	1.00	1,250.0	--	5.00	6.00
		Remarks: Fresh ahead.						
12	Aug 19,2015 15:28	Mix Cement	0-1-0 G	2.00	1,650.0	--	30.70	36.70
		Remarks: WR=4.98,						
13	Aug 19,2015 15:45	Stop		--	--	--	--	36.70
14	Aug 19,2015 15:46	Pump Out Lines	Water	1.00	100.0	--	5.00	41.70
		Remarks: Flushed lines.						
15	Aug 19,2015 15:50	Drop Plug		--	--	--	--	41.70
16	Aug 19,2015 15:51	Displace Fluid	Water	2.00	1,650.0	--	25.50	67.20
17	Aug 19,2015 16:05	Stop	Water	--	--	--	--	67.20
18	Aug 19,2015 16:10	Wash	Water	1.50	100.0	--	20.00	67.20
19	Aug 19,2015 16:55	Rig Out		--	--	--	--	67.20
		Remarks: Revisit JSA.						
20	Aug 19,2015 17:15	Pre-Departure Meeting		--	--	--	--	67.20
21	Aug 19,2015 17:25	Job Complete		--	--	--	--	67.20
22	Aug 19,2015 17:30	Leave Location		--	--	--	--	67.20
		Remarks: Revisit JSA, leave location safely.						

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

65489



## Pumping Service Report

**9207826**

Client Name Anadarko Petroleum Corporation	Well Name Kugel W4 - 4	Rig Concord Well Servicing 3	Job Date August 20,2015	Call Sheet 1060131
Client Representative Mr. Jay Chandler	Surface Well Location NW NW Sec 4:T2N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Schroeder, Stephen (25442)



## Pumping Service Report

9207826

### 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	6.400	J-55	7,680.000	42.950	2.441	3.500	0.000	7,420.000

### Products

#### Plug 1

From Depth (ft): 4300

To Depth (ft): 4180

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 150 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 30.7 (bbl)

Water Temperature(°F) = 75 , Bulk Temperature(°F) = 75 , Slurry Temperature(°F) = 75

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 4180

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 02, 2015 09:59

### Attachment & Tools

#### Tubular Plugs

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

### Units & Personnel

#### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
200918	PICKUP	3/4 Ton				08/20/2015 09:15	08/20/2015 12:00
740067	BODY JOB	C & A				08/20/2015 09:15	08/20/2015 12:00
746506	BODY JOB	Baby Bulker				08/20/2015 09:15	08/20/2015 12:00

#### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Schroeder, Stephen (25442)	08/20/2015 08:00	08/20/2015 14:00		
Hall, Austin (28887)	08/20/2015 08:00	08/20/2015 14:00		
Johnson, Jakob (30073)	08/20/2015 08:00	08/20/2015 14:00		



## Pumping Service Report

9207826

### 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	Aug 20,2015 09:15	Arrive On Location		--	--	--	--	0.00
2	Aug 20,2015 09:20	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Aug 20,2015 10:00	Rig in Complete		--	--	--	--	0.00
4	Aug 20,2015 10:05	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Safety meeting with site crew						
5	Aug 20,2015 10:20	Unload Well		--	700.0	--	--	0.00
		Remarks: Open Well Head						
6	Aug 20,2015 10:30	Pump	Water	1.00	700.0	--	1.00	0.00
		Remarks: Fill Lines						
7	Aug 20,2015 10:33	Pressure Test Start	Water	--	3,000.0	0.0	--	0.00
		Remarks: 3000 psi pressure test						
8	Aug 20,2015 10:34	Pressure Test Complete	Water	--	0.0	--	--	0.00
		Remarks: Good pressure test						
9	Aug 20,2015 10:35	Pump	Water	2.00	1,000.0	--	5.00	0.00
		Remarks: Injection test						
10	Aug 20,2015 10:35	Mix Cement	0-1-0 G	2.00	1,200.0	0.0	30.70	0.00
		Remarks: !5.8ppg cement						
11	Aug 20,2015 10:46	Stop		0.00	0.0	0.0	0.00	0.00
		Remarks: Stop to undo pin						
12	Aug 20,2015 10:47	Drop Plug	Water	0.00	0.0	0.0	0.00	0.00
		Remarks: Drop plug						
13	Aug 20,2015 10:49	Displace Fluid	Water	3.00	1,400.0	--	24.00	0.00
		Remarks: Displace cement to 4180ft						
14	Aug 20,2015 10:56	Shut In-Well	Water	0.00	1,200.0	0.0	0.00	0.00
		Remarks: Well shut in with 1200 psi on it						
15	Aug 20,2015 10:56	Job Complete		--	--	--	--	0.00
16	Aug 20,2015 11:00	Rig Out		--	--	--	--	0.00
17	Aug 20,2015 12:00	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

Material Transfer Sheet Number

65503



## Pumping Service Report

9206147

Client Name Anadarko Petroleum Corporation	Well Name Kugel W4 - 4	Rig Concord Well Servicing 3	Job Date August 21,2015	Call Sheet 1060156
Client Representative Mr. Jay Chandler	Surface Well Location NW NW Sec 4:T2N:R66W	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): --- @ --

### 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)
2.875	7.700		--	--	--	--	--	0.0	4,180.0

### Products

#### Plug 1

From Depth (ft): 100

To Depth (ft): 1245

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 275 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 65 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 78

+ 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: Depth (ft): 100

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jun 02, 2015 09:59

### Attachment & Tools

#### Tubular Plugs

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



## Pumping Service Report

9206147

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>	
449087	TRAILER	Utility Trailer	201191	PICKUP	1 Ton	08/21/2015 09:00	08/21/2015 12:45	
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	08/21/2015 09:00	08/21/2015 12:45	
446172	TRAILER	Bulker	746172	TRACTOR	Tandem - Tractor	08/21/2015 09:00	08/21/2015 12:45	
<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>				
Douglass, Brian (23898)	08/21/2015 09:00	08/21/2015 12:45						
Dunsbergen, Scott (29737)	08/21/2015 09:00	08/21/2015 12:45						
Orist, Mark (28876)	08/21/2015 09:00	08/21/2015 12:45						
<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	Aug 21, 2015 09:00	Arrive On Location		--	--	--	--	0.00
2	Aug 21, 2015 09:10	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Aug 21, 2015 09:45	Rig in Complete		--	--	--	--	0.00
4	Aug 21, 2015 10:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Aug 21, 2015 10:20	Pressure Test Start		--	2,500.0	--	--	0.00
6	Aug 21, 2015 10:21	Pressure Test Complete		--	--	--	--	0.00
7	Aug 21, 2015 10:23	Pump	Water	2.00	50,010.0	--	5.00	0.00
8	Aug 21, 2015 10:29	Pump	0:1:0 Type III	1.50	1,100.0	--	65.00	0.00
	Remarks: WR: 6.31	Density: 14.8	Yield: 1.33	Mix H2O: 43 bbls				
9	Aug 21, 2015 11:37	Drop Plug		--	--	--	--	0.00
10	Aug 21, 2015 11:38	Displace Fluid	Water	1.50	500.0	--	2.25	0.00
11	Aug 21, 2015 11:50	Rig Out		--	--	--	--	0.00
12	Aug 21, 2015 12:25	Job Complete		--	--	--	--	0.00
13	Aug 21, 2015 12:30	Pre-Departure Meeting		--	--	--	--	0.00
14	Aug 21, 2015 12:45	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						
<b>Material Transfer Sheet Number</b>								
<u>Material Transfer Sheet Number</u>								
65518								
65519								