



**Pumping
Service Report**

9185857

Client Name Anadarko Petroleum Corporation	Well Name Kugel UPRR 32-23	Job Date October 30, 2013	Call Sheet 1032232
Client Representative Mr Rigo Macias	Location SW NE Sec 23:T3N:R66W	Job Type Abandonment Plugs	

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	11.600	J-55	4,960.0	5,350.0	109.57	4.000	5.000	0.0	7,050.0

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	4.600	J-55	8,100.000	27.260	1.995	2.875	0.000	7,050.000

Products

Plug 1

From Depth (ft):
To Depth (ft):
Plug Type : N/A
Acids/Blends/Fluids :
Lead 1: 25 Sacks of Thermal 35, Density = 15.4 lb/gal, Volume Pumped = 6.7 (bbl)
Water Temperature(°F) = 40 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 60
+ 0.5 % of CFR,
+ 0.25 % of FMC

Fluid & Cement Data

Expected Cement Top: --					
Wellbore Fluid					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 24, 2013 15:32



Pumping Service Report

9206233

Client Name Anadarko Petroleum Corporation	Well Name Kugel UPRR 32 - 23	Rig Concord Well Servicing 5	Job Date June 30, 2015	Call Sheet 1058805
Client Representative Mr. Luis Morales	Surface Well Location Sec 23:T3N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Johnson, Quintin (23945)

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	15.100	P-110	14,320.0	14,420.0	69.68	3.826	5.000	0.0	4,900.0

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	17.150	1.995	2.910	0.000	4,435.000

Products

Plug 1

From Depth (ft): 4435

To Depth (ft): 4900

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 330 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 67.6 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65

+ 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): 4435

Wellbore Fluid

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

Attachment & Tools

Down Hole Tools

Tool Type	Depth (ft)	Supplier
Cement Retainer	4,435.000	Third Party



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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>
201274	PICKUP	3/4 Ton				06/30/2015 11:50	06/30/2015 15:00
740018-1	BODY JOB	C & A				06/30/2015 11:50	06/30/2015 15:00
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	06/30/2015 11:50	06/30/2015 15:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Johnson, Quintin (23945)	06/30/2015 11:50	06/30/2015 15:00		
Davila, Israel (28152)	06/30/2015 11:50	06/30/2015 15:00		
Crane, Troy (29924)	06/30/2015 11:50	06/30/2015 15:00		

Treatment Reports & Remarks



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	Jun 30,2015 11:50	Arrive On Location		--	--	--	--	0.00
		Remarks: arrive on time						
2	Jun 30,2015 12:00	Tailgate Meeting		--	--	--	--	0.00
		Remarks: talked about spotting trucks						
3	Jun 30,2015 12:10	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: talked about site hazards and how to mitigate them						
4	Jun 30,2015 12:30	Rig In		--	--	--	--	0.00
		Remarks: rigged in our trucks and 3rd party water						
5	Jun 30,2015 12:50	Rig in Complete		--	--	--	--	0.00
		Remarks: Gather for safety meeting						
6	Jun 30,2015 13:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
7	Jun 30,2015 13:01	Sign-off on Safety		--	--	--	--	0.00
		Remarks: Signed their and our JSA						
8	Jun 30,2015 13:14	Pressure Test Start		1.00	200.0	--	1.00	1.00
		Remarks: filled our lines for pressure testing						
9	Jun 30,2015 13:16	Pressure Test	Water	0.00	3,000.0	--	0.00	1.00
		Remarks: pressured lines and the held						
10	Jun 30,2015 13:18	Pressure Test Complete		--	--	--	--	1.00
		Remarks: opened up to pump job						
11	Jun 30,2015 13:19	Pump Preflush	Water	3.00	950.0	--	20.00	21.00
		Remarks: mpumped SMS						
12	Jun 30,2015 13:25	Pump Spacer	Water	3.00	1,500.0	--	10.00	31.00
		Remarks: pumped fresh between SmS and slurry						
13	Jun 30,2015 13:28	Mix Cement	0-1-0 G	3.00	1,500.0	--	67.60	98.60
		Remarks: pumped slurry at 15.8 measured density 5 time last one at 13:39 yield at 1.15 and water at 5.03						
14	Jun 30,2015 13:52	Pump Displacement	Water	3.00	1,100.0	--	14.20	112.80
		Remarks: displace water leaving 3bbls on top of retainer						
15	Jun 30,2015 13:55	Stop		0.00	700.0	--	0.00	112.80
		Remarks: stop and held pressure till stung out of the retainer						
16	Jun 30,2015 14:05	Wash	Water	2.00	150.0	--	15.00	127.80
		Remarks: washed up mix and did run backs						
17	Jun 30,2015 14:30	Rig Out		--	--	--	--	127.80
		Remarks: rigged out our trucks and 3rd party water						
18	Jun 30,2015 14:50	Job Complete		--	--	--	--	127.80
		Remarks: did walk around and checked pins and back of pump and bulk trailer						
19	Jun 30,2015 15:00	Leave Location		--	--	--	--	127.80
		Remarks: go back to Sanjel yard						



Pumping Service Report

9204345

Client Name Anadarko Petroleum Corporation	Well Name Kugel UPRR 32 - 23	Rig Concord Well Servicing 5	Job Date July 01,2015	Call Sheet 1058831
Client Representative Mr. Rodrigo Vierra	Surface Well Location SW SE Sec 23:T3N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	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):	--- @ --

Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
10.000	--	604.000	845.000	--	--

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	J-55	1,370.0	2,950.0	38.47	8.097	9.625	0.0	604.0
4.500	15.100		--	--	--	--	--	845.0	946.0

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	0.000		--	--	--	--	0.000	946.000

Products

Plug 1

From Depth (ft): 390

To Depth (ft): 946

Plug Type : Abandonment

Acids/Blends/Fluids :

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

Water Temperature(°F) = 80 , Bulk Temperature(°F) = 80 , Slurry Temperature(°F) = 87

+ 0.25 lb/sack of Polyflake (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): 390

Wellbore Fluid

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



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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>
201191	PICKUP	1 Ton				07/01/2015 11:00	07/01/2015 15:00
740018-1	BODY JOB	C & A				07/01/2015 11:00	07/01/2015 15:00
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	07/01/2015 11:00	07/01/2015 15:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>		<u>End Shift</u>		<u>Second Start Shift</u>		<u>Second End Shift</u>
Hansen, Kevin (27592)	07/01/2015 11:00		07/01/2015 15:00				
Davila, Israel (28152)	07/01/2015 11:00		07/01/2015 15:00				
Barden, Sean (27711)	07/01/2015 11:00		07/01/2015 15:00				



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	Jul 01,2015 11:00	Arrive On Location		--	--	--	--	0.00
2	Jul 01,2015 11:10	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Discussed spotting of trucks and filled out JSA						
3	Jul 01,2015 13:15	Rig in Complete		--	--	--	--	0.00
4	Jul 01,2015 13:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Discussed job and safety concerns with rig crew and signed JSA						
5	Jul 01,2015 13:42	Pressure Test Start		2.00	150.0	--	2.00	2.00
		Remarks: Filled lines for pressure test						
6	Jul 01,2015 13:46	Pressure Test Complete		--	1,500.0	--	--	2.00
		Remarks: Pressure test good						
7	Jul 01,2015 13:47	Establish Circulation	Water	2.00	400.0	--	3.00	5.00
8	Jul 01,2015 13:50	Pump Preflush	Water	2.00	400.0	--	10.00	15.00
		Remarks: Pumped SAPP						
9	Jul 01,2015 13:53	Pump Spacer	Water	2.00	400.0	--	5.00	20.00
		Remarks: Pumped fresh water spacer						
10	Jul 01,2015 13:54	Mix Cement	0:1:0 Type III	2.50	450.0	--	64.00	84.00
		Remarks: Pumped @ D-14.8, Y-1.33, WR-6.31						
11	Jul 01,2015 14:10	Displace Fluid	Water	2.00	300.0	--	1.00	85.00
12	Jul 01,2015 14:12	Job Complete		--	--	--	--	85.00
13	Jul 01,2015 14:13	Wash		--	--	--	--	85.00
14	Jul 01,2015 14:35	Rig Out		--	--	--	--	85.00
15	Jul 01,2015 14:55	Pre-Departure Meeting		--	--	--	--	85.00
		Remarks: Discussed journey management						
16	Jul 01,2015 15:00	Leave Location		--	--	--	--	85.00

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

65048

65049