



Pumping Service Report

9199303

Client Name Anadarko Petroleum Corporation	Well Name HSR Stilman 3 - 935	Rig BWS 12	Job Date December 18, 2014	Call Sheet 1052311
Client Representative Socorro Olivas	Surface Well Location NE SE Sec 35:T4N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Price, Ryan (25840)

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	11.600	---	--	--	--	--	--	0.0	6,900.0

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	---	--	--	--	--	0.000	6,890.000
2.375	4.700	---	--	--	--	--	0.000	3,900.000
2.375	4.700	---	--	--	--	--	0.000	2,500.000

Products

Plug 1

From Depth (ft): 5724

To Depth (ft): 6890

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 80 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 16.3 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Plug 2

From Depth (ft): 2734

To Depth (ft): 3900

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 80 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 16.3 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.25 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

Plug 3

From Depth (ft): 1548

To Depth (ft): 2500

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 65 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 13.3 (bbl)

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

+ 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: --

Wellbore Fluid

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



Pumping Service Report

9199303

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>
201273	PICKUP	3/4 Ton				12/18/2014 07:30	12/18/2014 12:00
740018-1	BODY JOB	C & A				12/18/2014 07:30	12/18/2014 12:00
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	12/18/2014 07:30	12/18/2014 12:00

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Price, Ryan (25840)	12/18/2014 07:30	12/18/2014 12:00		
Laeger, Kacey (25046)	12/18/2014 07:30	12/18/2014 12:00		
Daylong, Eric (28076)	12/18/2014 07:30	12/18/2014 12:00		

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	Dec 18,2014 07:30	Arrive On Location		--	--	--	--	0.00
2	Dec 18,2014 07:35	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Dec 18,2014 08:25	Rig in Complete		--	--	--	--	0.00
4	Dec 18,2014 08:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Dec 18,2014 08:52	Pressure Test Start		--	3,000.0	--	--	0.00
6	Dec 18,2014 08:54	Pressure Test Complete		--	--	--	--	0.00
7	Dec 18,2014 08:55	Establish Circulation	Water	1.00	100.0	--	5.00	5.00
8	Dec 18,2014 08:59	Mix Cement	0-1-0 G	3.00	800.0	--	16.30	21.30
9	Dec 18,2014 09:04	Pump Displacement	Water	3.00	300.0	--	20.00	41.30
10	Dec 18,2014 09:14	Stop		--	--	--	--	41.30
Remarks: wait for next plug								
11	Dec 18,2014 10:08	Establish Circulation	Water	2.00	500.0	--	3.00	44.30
12	Dec 18,2014 10:10	Mix Cement	0-1-0 G	3.00	500.0	--	16.30	60.60
13	Dec 18,2014 10:16	Pump Displacement	Water	2.00	50.0	--	10.50	71.10
14	Dec 18,2014 10:20	Stop		--	--	--	--	71.10
Remarks: wait for final plug								
15	Dec 18,2014 10:56	Establish Circulation	Water	1.00	50.0	--	4.00	75.10
16	Dec 18,2014 11:00	Mix Cement	0-1-0 G	2.00	100.0	--	13.30	88.40
17	Dec 18,2014 11:10	Pump Displacement	Water	0.50	10.0	--	5.00	93.40
18	Dec 18,2014 11:20	Stop		--	--	--	--	93.40
19	Dec 18,2014 11:25	Wash		--	--	--	--	93.40
20	Dec 18,2014 11:35	Rig Out		--	--	--	--	93.40
21	Dec 18,2014 11:50	Job Complete		--	--	--	--	93.40
22	Dec 18,2014 11:55	Pre-Departure Meeting		--	--	--	--	93.40
23	Dec 18,2014 12:00	Leave Location		--	--	--	--	93.40

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

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	---	---	---	---	---	---	0.0	7,000.0

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	0.000	---	---	---	---	---	0.000	6,886.000

Products

Plug 1

From Depth (ft): 6094

To Depth (ft): 6886

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 30 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 8 (bbl)

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

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of ASM-3 (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 6094

Wellbore Fluid

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

Units & Personnel

Units

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				12/17/2014 09:30	12/17/2014 12:30
740018-1	BODY JOB	C & A				12/17/2014 09:30	12/17/2014 12:30
446092	TRAILER	Bulker	746092	TRACTOR	Tandem - Tractor	12/17/2014 09:30	12/17/2014 12:30

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Price, Ryan (25840)	12/17/2014 09:30	12/17/2014 12:30		
Cheal, Samuel (28315)	12/17/2014 09:30	12/17/2014 12:30		
Davila, Israel (28152)	12/17/2014 09:30	12/17/2014 12:30		
Douglass, Brian (23898)	12/17/2014 09:30	12/17/2014 12:30		



9199301

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 09:30	Arrive On Location		--	--	--	--	0.00
2	Dec 17, 2014 09:35	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Dec 17, 2014 09:55	Rig in Complete		--	--	--	--	0.00
4	Dec 17, 2014 10:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Dec 17, 2014 10:10	N/A		--	--	--	--	0.00
Remarks: bad water waiting for new water truck								
6	Dec 17, 2014 10:40	Pressure Test Start		--	2,000.0	--	--	0.00
7	Dec 17, 2014 10:42	Pressure Test Complete		--	--	--	--	0.00
8	Dec 17, 2014 10:50	Establish Circulation	Water	2.50	100.0	--	20.00	20.00
Remarks: no circulation established through whole job								
9	Dec 17, 2014 11:15	Mix Cement	Thermal 35	2.50	200.0	--	8.00	28.00
10	Dec 17, 2014 11:20	Pump Displacement	Water	2.50	100.0	--	24.50	52.50
11	Dec 17, 2014 11:28	Stop		--	--	--	--	52.50
12	Dec 17, 2014 11:35	Wash		--	--	--	--	52.50
13	Dec 17, 2014 11:50	Rig Out		--	--	--	--	52.50
14	Dec 17, 2014 12:15	Job Complete		--	--	--	--	52.50
15	Dec 17, 2014 12:30	Leave Location		--	--	--	--	52.50

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

Client Name Anadarko Petroleum Corporation	Well Name HSR Stilman 3 - 935	Rig BWS 12	Job Date December 19, 2014	Call Sheet 1052351
Client Representative Socorro Olivas	Surface Well Location NE SE Sec 35:T4N: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 (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	16.32	4.000	5.000	0.0	1,050.0

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	4.700	J-55	8,100.000	2.470	1.995	2.910	0.000	640.000

Products

Plug 1

From Depth (ft): 1050
To Depth (ft): 640
Plug Type : Abandonment
Acids/Blends/Fluids :

Tail: 110 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 26.1 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65
+ 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)

Plug 2

From Depth (ft): 640
To Depth (ft): 182
Plug Type : Abandonment
Acids/Blends/Fluids :

Tail: 30 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 7.1 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65
+ 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: --

Wellbore Fluid

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

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

Print Date: December 19, 2014

Service Report: 9201168

Page 1 of 4

V4.0.2.0



Pumping Service Report

9201168

Attachment & Tools

Down Hole Tools

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Cement Retainer	640.000	Client

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>
201168	PICKUP	1 Ton	449086	TRAILER	Utility Trailer	12/19/2014 11:00	12/19/2014 14:00
445024	TRAILER	SCM Twin	745024	TRACTOR	Tandem - Tractor	12/19/2014 11:00	12/19/2014 14:00
746502	BODY JOB	Baby Bulker				12/19/2014 11:00	12/19/2014 14:00

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)	12/19/2014 11:00	12/19/2014 14:00		
Hansen, Ted (29055)	12/19/2014 11:00	12/19/2014 14:00		
Molina, Alejandro (29922)	12/19/2014 11:00	12/19/2014 14:00		

Treatment Reports & Remarks

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 19,2014 11:00	Arrive On Location		--	--	--	--	0.00
		Remarks: arrived on time						
2	Dec 19,2014 11:05	Tailgate Meeting		--	--	--	--	0.00
		Remarks: spotted trucks after meeting						
3	Dec 19,2014 11:15	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: talked about site hazards and how to mitigate them						
4	Dec 19,2014 11:40	Rig In		--	--	--	--	0.00
		Remarks: rigged in out iron and trucks						
5	Dec 19,2014 11:55	Rig in Complete		--	--	--	--	0.00
6	Dec 19,2014 12:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: talked about the job scope and safety concerns						
7	Dec 19,2014 12:01	Sign-off on Safety		--	--	--	--	0.00
		Remarks: signed their and our Jsa						
8	Dec 19,2014 12:17	Pressure Test Start	Water	1.50	50.0	--	1.00	1.00
		Remarks: filled lines for pressure test						
9	Dec 19,2014 12:19	Pressure Test	Water	0.00	3,200.0	--	0.00	1.00
		Remarks: pressured lines						
10	Dec 19,2014 12:19	Pressure Test Complete		--	--	--	--	1.00
		Remarks: opened to well start job						
11	Dec 19,2014 12:20	Establish Circulation	Water	2.00	275.0	0.0	15.00	16.00
		Remarks: got good circulation						
12	Dec 19,2014 12:28	Mix Cement	0:1:0 Type III	2.00	200.0	--	26.10	42.10
		Remarks: mixed slurry at 14.8						
13	Dec 19,2014 12:54	Stop		--	--	--	--	42.10
		Remarks: stopped held pressure till stung out of retainer						
14	Dec 19,2014 12:56	Pump	0:1:0 Type III	2.00	200.0	--	8.20	50.30
		Remarks: pump slurry at 14.8 onto the retainer						
15	Dec 19,2014 12:58	Stop		--	--	--	--	50.30
		Remarks: stop switch valves to the pit and washed lines and pump						
16	Dec 19,2014 12:59	Pump Displacement	Water	2.00	300.0	--	1.00	51.30
		Remarks: pumped to clear lines						
17	Dec 19,2014 13:01	Stop		--	--	--	--	51.30
		Remarks: stop rig off for wash up						
18	Dec 19,2014 13:05	Wash	Water	2.00	150.0	--	15.00	66.30
		Remarks: washed up mix side and did run backs						
19	Dec 19,2014 13:15	Rig Out		--	--	--	--	66.30
		Remarks: rigged out our iron						
20	Dec 19,2014 13:50	Job Complete		--	--	--	--	66.30
		Remarks: do walk around and check trailers and pins						
21	Dec 19,2014 14:00	Leave Location		--	--	--	--	66.30
		Remarks: go back to sanjel yard						