



Pumping Service Report

9206219

Client Name Anadarko Petroleum Corporation	Well Name Mitchell 20-25	Rig Ensign Drilling Inc. 350	Job Date July 22,2015	Call Sheet 1059344
Client Representative Mr. Rigo Cintora	Surface Well Location SW SE Sec 25:T1N:R68W	Down Hole Well Location	Job Type Miscellaneous Pumping	Lead Supervisor Maguire, Matthew (26325)

Well Profile

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)
8.250	--	--	--	--	--

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	--	8.097	9.625	--	--
4.500	11.600	J-55	4,960.0	5,350.0	--	4.000	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)
1.660	2.400	J-55	8,490.000	2.130	1.380	2.200	0.000	1,150.000

Products

Treatment Interval 1

From Depth (ft): 1150
To Depth (ft): 850

Acids/Blends/Fluids :

Tail: 70 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 16.6 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 65 , Slurry Temperature(°F) = 65
+ 0.3 % of CFL-3 (Preblend),
+ 0.3 % of CFR-2 (Preblend),
+ 0.25 lb/sack of Polyflake (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 850

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Jul 21, 2015 16:59



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>
200925	PICKUP	1 Ton				07/22/2015 06:30	07/22/2015 10:00
740067	BODY JOB	C & A				07/22/2015 06:30	07/22/2015 10:00
746502	BODY JOB	Baby Bulker				07/22/2015 06:30	07/22/2015 10:00

Crew and Bonuses				
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Maguire, Matthew (26325)	07/22/2015 06:30	07/22/2015 10:00		
Schroeder, Stephen (25442)	07/22/2015 06:30	07/22/2015 10:00		
Hall, Austin (28887)	07/22/2015 06:30	07/22/2015 10:00		
Daylong, Eric (28076)	07/22/2015 06:30	07/22/2015 10:00		

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	Jul 22,2015 06:50	Arrive On Location Remarks: Signed in at lease entrance.		--	--	--	--	0.00
2	Jul 22,2015 06:55	Tailgate Meeting Remarks: Filled out JSA.		--	--	--	--	0.00
3	Jul 22,2015 07:05	Crew Briefing (Rig in)		--	--	--	--	0.00
4	Jul 22,2015 07:35	Rig in Complete		--	--	--	--	0.00
5	Jul 22,2015 07:45	Crew Briefing (Pre Job)		--	--	--	--	0.00
6	Jul 22,2015 07:50	STEACS Briefing		--	--	--	--	0.00
7	Jul 22,2015 08:00	Sign-off on Safety		--	--	--	--	0.00
8	Jul 22,2015 08:15	Start - Fluid Remarks: Filled lines.	Water	2.00	500.0	--	1.00	1.00
9	Jul 22,2015 08:17	Pressure Test Start	Water	--	2,000.0	--	--	1.00
10	Jul 22,2015 08:18	Pressure Test Complete Remarks: All lines held pressure.	Water	--	2,000.0	--	--	1.00
11	Jul 22,2015 08:19	Establish Circulation Remarks: We had circulation.	Water	2.00	500.0	--	5.00	6.00
12	Jul 22,2015 08:21	Pump Preflush Remarks: 350 # SMS.	Water	2.50	600.0	--	20.00	26.00
13	Jul 22,2015 08:28	Pump Spacer Remarks: Fresh water spacer.	Water	2.50	700.0	--	5.00	31.00
14	Jul 22,2015 08:30	Mix Cement Remarks: WR=6.31,	0:1:0 Type III	2.50	900.0	--	16.60	47.60
15	Jul 22,2015 09:14	Displace Fluid Remarks: Cleared lines.	Water	2.00	800.0	--	1.50	49.10
16	Jul 22,2015 08:42	Stop		--	--	--	--	49.10
17	Jul 22,2015 08:50	Wash		1.50	100.0	--	20.00	49.10
18	Jul 22,2015 09:20	Rig Out Remarks: Revisit JSA.		--	--	--	--	49.10
19	Jul 22,2015 09:45	Pre-Departure Meeting		--	--	--	--	49.10
20	Jul 22,2015 09:50	Job Complete		--	--	--	--	49.10
21	Jul 22,2015 09:55	Leave Location Remarks: Revisit JSA, leave location safely.		--	--	--	--	49.10

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