



**Pumping
Service Report**

9193716

Client Name Anadarko Petroleum Corporation	Well Name Graznack 32-11	Rig Concord Well Servicing 2	Job Date August 01, 2014	Call Sheet 1044913
Client Representative Jay Chandler	Surface Well Location NW SW Sec 11:T3N:R66W	Down Hole Well Location	Job Type Cement Misc.	

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	24.09	4.000	5.000	0.0	1,550.0
8.625	24.000	J-55	1,370.0	2,950.0	37.77	8.097	9.625	0.0	593.0

Products

Plug 1

From Depth (ft): 230

To Depth (ft): 1550

Plug Type : N/A

Acids/Blends/Fluids :

Tail: 315 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 74 (bbl)
Water Temperature(°F) = 65 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 68
+ 0.25 lb/sack of Polyflake (Preblend),
+ 0.5 % of CaCl₂ (Preblend),
+ 0.3 % of CFR-2 (Preblend),
+ 0.3 % of CFL-3 (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 230

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jul 31, 2014 17:17

Attachment & Tools

Tubular Plugs

Tubular Plug Type	Size (in)	Supplier
Rubber Top	4.500	Sanjel



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Units & Personnel

Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201274	PICKUP	3/4 Ton				08/01/2014 07:00	08/01/2014 10:00
740069	BODY JOB	C & A				08/01/2014 07:00	08/01/2014 10:00
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	08/01/2014 07:00	08/01/2014 10:00

Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Schneider, Patrick	08/01/2014 07:00	08/01/2014 10:00		
Laeger, Kacey	08/01/2014 07:00	08/01/2014 10:00		
Curtner, Jerry	08/01/2014 07:00	08/01/2014 10:00		
Byczynski, Michael	08/01/2014 07:00	08/01/2014 10:00		

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	Aug 01, 2014 06:30	Arrive On Location	---	--	--	--	--	0.00
2	Aug 01, 2014 06:45	Tailgate Meeting	---	--	--	--	--	0.00
3	Aug 01, 2014 07:00	Rig In	---	--	--	--	--	0.00
4	Aug 01, 2014 08:00	Safety Meeting	---	--	--	--	--	0.00
5	Aug 01, 2014 08:30	Sign-off on Safety	---	--	--	--	--	0.00
6	Aug 01, 2014 08:47	Pressure Test Lines	Water	--	2,500.0	--	--	0.00
Remarks: good pressure test								
7	Aug 01, 2014 08:49	Establish Circulation	Water	4.50	475.0	--	5.00	5.00
8	Aug 01, 2014 08:52	Mix Cement	0:1:0 Type III	3.50	450.0	--	74.00	79.00
Remarks: tail cement @ 14.8 ppg yield = 1.33 h2o req = 6.31								
9	Aug 01, 2014 09:15	Drop Plug	Water	--	0.0	--	--	79.00
10	Aug 01, 2014 09:16	Displace Plug	Water	3.00	800.0	--	22.50	101.50
11	Aug 01, 2014 09:26	Finish Displacement	---	0.00	950.0	--	--	101.50
Remarks: ISIP 950 psi								
12	Aug 01, 2014 09:30	Rig Out	---	--	--	--	--	0.00
13	Aug 01, 2014 09:45	Job Complete	---	--	--	--	--	0.00
14	Aug 01, 2014 09:50	Pre-Departure Meeting	---	--	--	--	--	0.00
15	Aug 01, 2014 10:00	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