



Pumping Service Report

9204149

Client Name Anadarko Petroleum Corporation	Well Name GNB W31 - 6D	Rig Concord Well Servicing 5	Job Date August 13,2015	Call Sheet 1059941
Client Representative Mr. Edgar Chavez	Surface Well Location SW NW Sec 31:T2N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Prigmore, Dominic (27161)

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	J-55	4,960.0	5,350.0	114.86	4.000	5.000	0.0	7,390.0

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	28.530	1.995	2.910	0.000	7,380.000

Products

Plug 1

From Depth (ft): 6750

To Depth (ft): 7380

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 40 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 10.8 (bbl)

Water Temperature(°F) = 66 , Bulk Temperature(°F) = 66 , Slurry Temperature(°F) = 70

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of ASM-3 (Preblend)

Plug 2

From Depth (ft): 4106

To Depth (ft): 5130

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 70 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 14.3 (bbl)

Water Temperature(°F) = 66 , Bulk Temperature(°F) = 66 , Slurry Temperature(°F) = 70

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of FMC (Preblend),

+ 0.5 % of LWA (Preblend)

Fluid & Cement Data

Expected Cement Top: Depth (ft): 4106

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>
201173	PICKUP	1 Ton				08/13/2015 09:00	08/13/2015 15:00
740018-1	BODY JOB	C & A				08/13/2015 09:00	08/13/2015 15:00
446047	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	08/13/2015 09:00	08/13/2015 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>
Prigmore, Dominic (27161)	08/13/2015 09:00		08/13/2015 15:00				
Hall, Austin (28887)	08/13/2015 09:00		08/13/2015 15:00				
Pyfer, Kevin (29802)	08/13/2015 09:00		08/13/2015 15:00				



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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 13,2015 09:00	Arrive On Location		--	--	--	--	0.00
2	Aug 13,2015 09:05	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Aug 13,2015 10:35	Rig in Complete		--	--	--	--	0.00
4	Aug 13,2015 11:20	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Aug 13,2015 11:25	Pressure Test Start	Water	--	3,300.0	--	--	0.00
6	Aug 13,2015 11:27	Pressure Test Complete	Water	--	3,300.0	--	--	0.00
7	Aug 13,2015 11:29	Establish Circulation	Water	3.00	900.0	--	5.00	5.00
Remarks: Circulation achieved.								
8	Aug 13,2015 11:32	Mix Cement	Thermal 35	3.00	1,100.0	--	10.80	15.80
Remarks: T.O.C 6,750'								
9	Aug 13,2015 11:37	Displace Fluid	Water	3.00	1,000.0	--	24.00	39.80
Remarks: Displaced to balance.								
10	Aug 13,2015 11:45	Wait On Instructions		--	--	--	--	39.80
Remarks: Wait on rig to pull tubing.								
11	Aug 13,2015 12:51	Pressure Test	Water	--	3,100.0	--	--	0.00
12	Aug 13,2015 12:53	Establish Circulation	Water	3.00	950.0	--	5.00	5.00
Remarks: Circulation achieved.								
13	Aug 13,2015 12:55	Mix Cement	0-1-0 G	3.00	950.0	--	14.40	19.40
Remarks: T.O.C 4,106'								
14	Aug 13,2015 13:05	Displace Fluid	Water	3.00	1,100.0	--	16.00	35.40
Remarks: Displaced to balance.								
15	Aug 13,2015 13:25	Job Complete		--	--	--	--	39.80
16	Aug 13,2015 15:00	Leave Location		--	--	--	--	39.80

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

65429



Pumping Service Report

9206199

Client Name Anadarko Petroleum Corporation	Well Name GNB W31 - 6D	Rig Concord Well Servicing 5	Job Date August 14,2015	Call Sheet 1059982
Client Representative Mr. Edgar Chavez	Surface Well Location SW NW Sec 31:T2N:R66W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Klosterman, Austin (27698)

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)
9.000	--	1,370.000	788.000	--	--

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		--	--	--	--	--	0.0	788.0
4.500	11.600		--	--	--	--	--	8,166.0	1,370.0

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		--	--	--	--	0.000	1,470.000

Products

Plug 1

From Depth (ft): 1470

To Depth (ft): 0

Plug Type : Abandonment

Acids/Blends/Fluids :

Tail: 410 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 97 (bbl)

Water Temperature(°F) = 60 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 80

+ 0.25 % 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: Surface

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>
201017	PICKUP	1 Ton				08/14/2015 10:00	08/14/2015 15:30
740067	BODY JOB	C & A				08/14/2015 10:00	08/14/2015 15:30
446171	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	08/14/2015 10:00	08/14/2015 15:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>			
Klosterman, Austin (27698)	08/14/2015 10:00	08/14/2015 15:30					
Cheal, Samuel (28315)	08/14/2015 10:00	08/14/2015 15:30					
Davila, Israel (28152)	08/14/2015 10:00	08/14/2015 15:30					
Daylong, Eric (28076)	08/14/2015 10:00	08/14/2015 15:30					



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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 14,2015 10:00	Arrive On Location		0.00	0.0	0.0	0.00	0.00
2	Aug 14,2015 10:10	Crew Briefing (Rig in)		0.00	0.0	0.0	0.00	0.00
3	Aug 14,2015 13:20	Rig in Complete		0.00	0.0	0.0	0.00	0.00
4	Aug 14,2015 13:30	Crew Briefing (Pre Job)		0.00	0.0	0.0	0.00	0.00
5	Aug 14,2015 13:35	Pressure Test Start	Water	0.00	2,800.0	0.0	0.00	0.00
6	Aug 14,2015 13:36	Pressure Test Complete		0.00	2,800.0	0.0	0.00	0.00
7	Aug 14,2015 13:37	Pump Preflush	Water	3.20	350.0	0.0	10.00	10.00
		Remarks: Sapp.						
8	Aug 14,2015 13:40	Pump Preflush	Water	3.20	350.0	0.0	10.00	20.00
		Remarks: Fresh ahead.						
9	Aug 14,2015 13:43	Pump	0:1:0 Type III	3.50	350.0	0.0	90.00	110.00
		Remarks: Mix up and pump 380sx@14.8#, Yield 1.33, WR 6.31, MixH2O 57bbl, Scaled@1355@14.8#.						
10	Aug 14,2015 14:08	Displace Fluid	Water	3.20	700.0	0.0	4.00	114.00
11	Aug 14,2015 14:20	Pump	0:1:0 Type III	2.00	100.0	0.0	7.00	121.00
		Remarks: Mix up and pump 30sx@14.8#, pumped into underground flow line per customer.						
12	Aug 14,2015 14:40	Rig Out		0.00	0.0	0.0	0.00	121.00
13	Aug 14,2015 15:00	Job Complete		0.00	0.0	0.0	0.00	121.00
14	Aug 14,2015 15:30	Leave Location		0.00	0.0	0.0	0.00	121.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 1

Temperature (°F) : 80

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

65440

65441

65447