



## Pumping Service Report

**9203699**

Client Name Anadarko Petroleum Corporation	Well Name Barach 8-16	Rig Concord Well Servicing 3	Job Date May 13,2015	Call Sheet 1057699
Client Representative Mr. Rigo Cintora	Surface Well Location SE NE Sec 16:T3N:R67W	Down Hole Well Location	Job Type Abandonment Plugs	Lead Supervisor Laeger, Kacey (25046)



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### 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	105.22	4.000	5.000	0.0	6,770.0

### 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	26.170	1.995	2.910	0.000	6,770.000

### Products

#### Plug 1

From Depth (ft): 6338

To Depth (ft): 6770

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 25 Sacks of Thermal 35, Density = 15.8 lb/gal, Volume Pumped = 6.7 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 65

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of ASM-3 (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 6338

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 14:34

### Units & Personnel

#### Units

Truck Unit No.	Main Type	Sub Type	Tractor Unit No.	Main Type	Sub Type	Time On Location	Time Off Location
201114	PICKUP	3/4 Ton				05/13/2015 12:00	05/13/2015 16:45
740067	BODY JOB	C & A				05/13/2015 12:00	05/13/2015 16:45
746506	BODY JOB	Baby Bulker				05/13/2015 12:00	05/13/2015 16:45

#### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Laeger, Kacey (25046)	05/13/2015 12:00	05/13/2015 16:45		
Curtner, Jerry (28310)	05/13/2015 12:00	05/13/2015 16:45		
Svoboda, Miloslav (28226)	05/13/2015 12:00	05/13/2015 16:45		
Daylong, Eric (28076)	05/13/2015 12:00	05/13/2015 16:45		



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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	May 13,2015 12:00	Arrive On Location		--	--	--	--	0.00
2	May 13,2015 14:00	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Held						
3	May 13,2015 14:20	Rig in Complete		--	--	--	--	0.00
4	May 13,2015 14:30	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Held						
5	May 13,2015 15:06	Pressure Test Start	Water	1.00	100.0	--	1.00	1.00
		Remarks: Filled lines						
6	May 13,2015 15:09	Pressure Test Complete	Water	--	3,000.0	--	--	1.00
		Remarks: Lines held good						
7	May 13,2015 15:10	Establish Circulation	Water	2.50	750.0	--	5.00	6.00
		Remarks: Good circulation						
8	May 13,2015 15:14	Batch Mix	Thermal 35	--	--	--	--	6.00
		Remarks: Batch up 25sks of thermal 35 at 15.8 lb/gal WR 6.23 Y 1.51						
9	May 13,2015 15:28	Pump	Thermal 35	2.20	35.0	--	6.70	12.70
10	May 13,2015 15:32	Displace Fluid	Water	2.00	35.0	--	24.30	37.00
		Remarks: Displace to balance plug						
11	May 13,2015 15:45	Finish Displacement		--	0.0	--	--	37.00
12	May 13,2015 15:50	Wash	Water	--	--	--	15.00	37.00
		Remarks: Wash pump unit						
13	May 13,2015 16:05	Job Complete		--	--	--	--	37.00
14	May 13,2015 16:20	Tailgate Meeting		--	--	--	--	37.00
		Remarks: Revisit JSA						
15	May 13,2015 16:25	Rig Out		--	--	--	--	37.00
16	May 13,2015 16:40	Pre-Departure Meeting		--	--	--	--	37.00
		Remarks: Held						
17	May 13,2015 16:45	Leave Location		--	--	--	--	37.00

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

57675



## Pumping Service Report

**9204330**

Client Name Anadarko Petroleum Corporation	Well Name Barach 8-16	Rig Concord Well Servicing 3	Job Date May 14,2015	Call Sheet 1057721
Client Representative Mr. Rigo Cintora	Surface Well Location SE NE Sec 16:T3N:R67W	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

<u>Size (in)</u>	<u>Excess (%)</u>	<u>TMD From (ft)</u>	<u>TMD To (ft)</u>	<u>TVD From (ft)</u>	<u>TVD To (ft)</u>
9.000	--	578.000	4,250.000	--	--

### Casing

<u>Size</u> (in)	<u>Weight</u> (lb/ft)	<u>Grade</u>	<u>Collapse Pressure</u> (psi)	<u>Internal Yield Pressure</u> (psi)	<u>Capacity</u> (bbl)	<u>I.D.</u> (in)	<u>O.D.</u> (in)	<u>Depth From</u> (ft)	<u>Depth To</u> (ft)
8.625	24.000	J-55	1,370.0	2,950.0	36.81	8.097	9.625	0.0	578.0
4.500	11.600	J-55	4,960.0	5,350.0	66.06	4.000	5.000	0.0	4,250.0

### Tubing

<u>Size</u> (in)	<u>Weight</u> (lb/ft)	<u>Grade</u>	<u>Collapse Pressure</u> (psi)	<u>Capacity</u> (bbl)	<u>I.D.</u> (in)	<u>O.D.</u> (in)	<u>Depth From</u> (ft)	<u>Depth To</u> (ft)
2.375	4.700		--	--	--	--	0.000	3,768.000

### Products

#### Plug 1

From Depth (ft): 3730

To Depth (ft): 4250

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 240 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 49 (bbl)

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

+ 0.5 % of CFR-2 (Preblend),

+ 0.2 % of ASM-5 (Preblend),

+ 0.5 % of SCA-7 (Preblend),

+ 0.25 lb/sack of LCL-7 (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 3730

#### Wellbore Fluid

<u>Fluid Type</u>	<u>Viscosity (cP)</u>	<u>Density (lbs/gal)</u>	<u>Yield Point (psi)</u>	<u>Temperature (°F)</u>	<u>Recorded@</u>
Water	--	--	--	--	Oct 08, 2014 14:34

### Attachment & Tools

#### Down Hole Tools

<u>Tool Type</u>	<u>Depth (ft)</u>	<u>Supplier</u>
Cement Retainer	3,766.000	Client



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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>
449086	TRAILER	Utility Trailer	201025	PICKUP	1 Ton	05/14/2015 07:30	05/14/2015 11:00
445051	TRAILER	SCM Twin	745051	TRACTOR	Tandem - Tractor	05/14/2015 07:30	05/14/2015 11:00
446145	TRAILER	Bulker	746089	TRACTOR	Tandem - Tractor	05/14/2015 07:30	05/14/2015 11:00
201346	PICKUP	1/2 Ton				05/14/2015 07:30	05/14/2015 11:00
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)	05/14/2015 07:30		05/14/2015 11:00				
Cox, Brandon (27419)	05/14/2015 07:30		05/14/2015 11:00				
Lindsay, Kevin (27589)	05/14/2015 07:30		05/14/2015 11:00				
Joyner, Barlen (28603)	05/14/2015 07:30		05/14/2015 11:00				



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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	May 14,2015 07:30	Arrive On Location		--	--	--	--	0.00
2	May 14,2015 07:40	Crew Briefing (Rig in)		--	--	--	--	0.00
		Remarks: Discussed spotting trucks and filled out JSA						
3	May 14,2015 08:45	Rig in Complete		--	--	--	--	0.00
4	May 14,2015 09:00	Crew Briefing (Pre Job)		--	--	--	--	0.00
		Remarks: Discussed job and safety concerns with rig crew and signed JSA						
5	May 14,2015 09:12	Pressure Test Start		2.00	800.0	--	2.00	2.00
		Remarks: Filled lines for pressure test						
6	May 14,2015 09:15	Pressure Test Complete		--	2,500.0	--	--	2.00
		Remarks: Pressure test good						
7	May 14,2015 09:20	Establish Circulation	Water	2.00	1,200.0	--	3.00	5.00
8	May 14,2015 10:26	Pump	Water	2.00	1,500.0	--	20.00	25.00
		Remarks: Pumped SMS						
9	May 14,2015 09:30	Pump Spacer	Water	2.00	1,200.0	--	5.00	30.00
		Remarks: Pumped fresh water spacer						
10	May 14,2015 09:33	Mix Cement	0-1-0 G	2.00	200.0	--	49.00	79.00
		Remarks: Pumped @ D-15.9 , Y - 1.15, WR-4.98						
11	May 14,2015 09:45	Mix Cement	0-1-0 G	--	--	--	--	79.00
		Remarks: Weigh mud with mud scale it was 15.8						
12	May 14,2015 09:55	Displace Fluid	Water	2.00	250.0	--	11.00	90.00
		Remarks: Left 3 bbl slurry on top of retainer						
13	May 14,2015 10:33	Hold Pressure		--	250.0	--	--	90.00
		Remarks: Wait on rig crew to sting out of retainer						
14	May 14,2015 10:00	Job Complete		--	--	--	--	90.00
15	May 14,2015 10:10	Wash		--	--	--	--	90.00
16	May 14,2015 10:30	Rig Out		--	--	--	--	90.00
17	May 14,2015 10:35	Pre-Departure Meeting		--	--	--	--	90.00
		Remarks: Discussed journey management						
18	May 14,2015 11:00	Leave Location		--	--	--	--	90.00

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

57881

57882



## Pumping Service Report

9204198

Client Name Anadarko Petroleum Corporation	Well Name Barach 8-16	Rig Concord Well Servicing 3	Job Date May 14,2015	Call Sheet 1057759
Client Representative Mr. Rigo Cintora	Surface Well Location SE NE Sec 16:T3N:R67W	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): --- @ --

### Open Hole

Size (in)	Excess (%)	TMD From (ft)	TMD To (ft)	TVD From (ft)	TVD To (ft)
9.000	--	578.000	800.000	--	--

### 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	578.0
4.500	11.600		--	--	--	--	--	800.0	900.0

### 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	900.000

### Products

#### Plug 1

From Depth (ft): 216

To Depth (ft): 900

Plug Type : Abandonment

Acids/Blends/Fluids :

Plug: 150 Sacks of 0:1:0 Type III, Density = 14.8 lb/gal, Volume Pumped = 36 (bbl)

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

+ 1 % of CaCl<sub>2</sub> (Preblend),

+ 0.3 % of CFR-2 (Preblend),

+ 0.3 % of CFL-3 (Preblend),

+ 0.4 % of CDF-4P (Preblend),

+ 0.25 lb/sack of Polyflake (Preblend)

### Fluid & Cement Data

Expected Cement Top: Depth (ft): 216

#### Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Oct 08, 2014 14:34



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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				05/14/2015 15:15	05/14/2015 17:00
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	05/14/2015 15:15	05/14/2015 17:00
446092	TRAILER	Bulker	746047	TRACTOR	Tandem - Tractor	05/14/2015 15:15	05/14/2015 17:00
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)	05/14/2015 15:15	05/14/2015 17:00					
Schroeder, Stephen (25442)	05/14/2015 15:15	05/14/2015 17:00					
Svoboda, Miloslav (28226)	05/14/2015 15:15	05/14/2015 17:00					
Faircloth, Branden (29706)	05/14/2015 15:15	05/14/2015 17:00					





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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	May 14,2015 15:15	Arrive On Location		--	--	--	--	0.00
2	May 14,2015 15:20	Crew Briefing (Rig in)		--	--	--	--	0.00
3	May 14,2015 15:35	Rig in Complete		--	--	--	--	0.00
4	May 14,2015 15:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	May 14,2015 15:50	Pressure Test Start		--	2,000.0	--	--	0.00
6	May 14,2015 15:52	Pressure Test Complete		--	--	--	--	0.00
7	May 14,2015 15:52	Pump Preflush	Water	3.00	200.0	--	10.00	10.00
Remarks: pump SAPP mudflush								
8	May 14,2015 15:56	Pump Spacer	Water	3.00	200.0	--	5.00	15.00
9	May 14,2015 15:58	Mix Cement	0:1:0 Type III	3.00	200.0	--	36.00	51.00
Remarks: 010 type III water req 6.31- yield 1.33 - density - 14.8 sack wt 95.6								
10	May 14,2015 16:08	Pump Displacement	Water	3.00	200.0	--	1.50	52.50
11	May 14,2015 16:09	Stop		--	--	--	--	52.50
12	May 14,2015 16:15	Wash		--	--	--	--	52.50
13	May 14,2015 16:30	Rig Out		--	--	--	--	52.50
14	May 14,2015 16:50	Job Complete		--	--	--	--	52.50
15	May 14,2015 16:55	Pre-Departure Meeting		--	--	--	--	52.50
16	May 14,2015 17:00	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

#### Material Transfer Sheet Number

Material Transfer Sheet Number

57887