



**Pumping  
Service Report**

**9188739**

Client Name Bill Barrett Inc	Well Name McPherson #1	Rig key 15	Job Date August 22, 2014	Call Sheet 1045969
Client Representative Johnny Damron	Surface Well Location NE SE Sec 19:T5N:R61W	Down Hole Well Location	Job Type Miscellaneous Pumping	

**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)
8.750	--	342.000	355.220	--	--

**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)
10.750	32.000	---	--	--	--	--	--	0.0	342.0

**Tubing**

Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
2.875	6.500	---	--	--	--	--	0.000	355.220
1.050	0.000	---	--	--	--	--	0.000	95.000

**Products**

**Plug 1**

From Depth (ft): 206  
To Depth (ft): 355.22  
Plug Type : Well Stability  
Acids/Blends/Fluids :  
Tail: 72 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 14.7 (bbl)  
Water Temperature(°F) = 70 , Bulk Temperature(°F) = 70 , Slurry Temperature(°F) = 70

**Plug 2**

From Depth (ft): 0  
To Depth (ft): 95  
Plug Type : Well Stability  
Acids/Blends/Fluids :  
Tail: 50 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 12 (bbl)  
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60

**Fluid & Cement Data**

Expected Cement Top: Surface

**Wellbore Fluid**

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	8.400	--	--	Jul 30, 2014 07:28



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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
201191	PICKUP	1 Ton	449095	TRAILER	Utility Trailer	08/22/2014 16:30	08/23/2014 06:30
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor	08/22/2014 16:30	08/23/2014 06:30
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	08/22/2014 16:30	08/23/2014 06:30

Crew and Bonuses				
Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Price, Ryan	08/22/2014 16:30	08/23/2014 06:30		
Peterson, Ryan	08/22/2014 16:30	08/23/2014 06:30		
Cheal, Samuel	08/22/2014 16:30	08/23/2014 06:30		
Hall, Austin	08/22/2014 16:30	08/23/2014 06:30		
Pigg, Martin	08/22/2014 16:30	08/23/2014 06:30		

## Treatment Reports & Remarks

Treatment Report									
Event #	Event Time	Event Description	Fluid Type	Rate	Tubular Pressure	Annular Pressure	Stage Volume	Total Volume	
				(bbl/min)	(psi)	(psi)	(bbl)	(bbl)	
1	Aug 22,2014 16:30	Arrive On Location	---	--	--	--	--	0.00	
2	Aug 22,2014 16:35	Tailgate Meeting	---	--	--	--	--	0.00	
3	Aug 22,2014 16:40	Wait On Instructions	---	--	--	--	--	0.00	
		Remarks: new ticket waiting to tag last plug ticket 9188738							
4	Aug 22,2014 20:45	Rig In	---	--	--	--	--	0.00	
5	Aug 22,2014 21:10	Safety Meeting	---	--	--	--	--	0.00	
6	Aug 22,2014 21:20	Sign-off on Safety	---	--	--	--	--	0.00	
7	Aug 22,2014 21:23	Pump	Water	1.00	30.0	--	2.00	0.00	
		Remarks: filled lines for pressure test							
8	Aug 22,2014 21:24	Pressure Test	---	--	1,000.0	--	--	0.00	
9	Aug 22,2014 21:25	Establish Circulation	Water	2.00	50.0	--	2.00	0.00	
10	Aug 22,2014 21:32	Mix Cement	0-1-0 G	2.00	50.0	--	14.70	0.00	
11	Aug 22,2014 21:42	Pump Displacement	Water	2.00	35.0	--	1.00	0.00	
12	Aug 22,2014 21:43	Stop	---	--	--	--	--	0.00	
13	Aug 22,2014 10:00	Wait On Instructions	---	--	--	--	--	0.00	
		Remarks: wait to tag cement and pump top off plug							
14	Aug 23,2014 04:00	Rig In	---	--	--	--	--	0.00	
15	Aug 23,2014 04:25	Establish Circulation	Water	1.00	25.0	--	2.00	0.00	
16	Aug 23,2014 04:36	Mix Cement	0-1-0 G	1.00	50.0	--	12.00	0.00	
17	Aug 23,2014 04:55	Pump Displacement	Water	1.00	30.0	--	0.50	0.00	
18	Aug 23,2014 04:56	Stop	---	--	--	--	--	0.00	
19	Aug 23,2014 05:10	Wash	---	--	--	--	--	0.00	
20	Aug 23,2014 05:30	Rig Out	---	--	--	--	--	0.00	
21	Aug 23,2014 06:15	Job Complete	---	--	--	--	--	0.00	
22	Aug 23,2014 06:25	Pre-Departure Meeting	---	--	--	--	--	0.00	
23	Aug 23,2014 06:30	Leave Location	---	--	--	--	--	0.00	

Acidizing • Cementing • Coiled Tubing • Fracturing • Nitrogen

Canada • USA • International

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**Treatment Reports & Remarks**

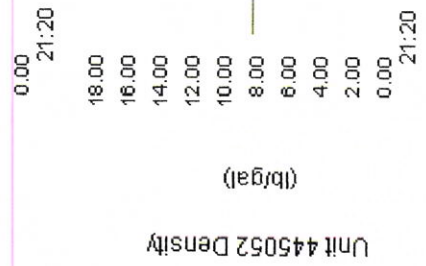
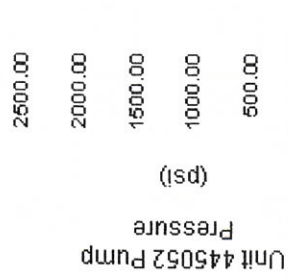
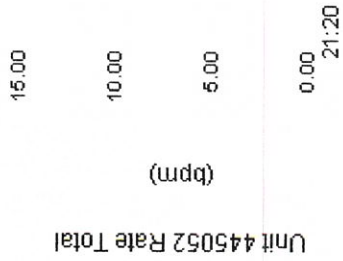
Did Float Hold: Not Applicable  
Fluid Returns : Yes  
Type : Cement  
Volume (bbl) : 2  
Temperature (°F) : 70  
FDAS Functioning Correctly : Yes  
Was the Program Followed As Per Design? : Yes

**Comments To Service Report**

Both plugs went great. Bulk truck pressure indicator not reading pressure. No issues on location. Pump running great. Crew did great job all around. Company rep happy with job done.



Client	Bill Barrett	Client Rep	Johnny Damron	Supervisor	Ryan Price
Ticket No.	9188739	Well Name	McPerson #1	Unit No.	445052
Location	NE SE Sec 19; T5N; R61W	Job Type	Abandonment Plugs	Service District	Fort Lupton
Comments	Job Date 08/22/2014				







Client	Bill Barrett	Client Rep	Johnny Damron	Supervisor	Ryan Price
Ticket No.	9188739	Well Name	McPerson #1	Unit No.	445052
Location	NE SE Sec 19; T5N; R61W	Job Type	Abandonment Plugs	Service District	Fort Lupton
Comments	08/22/2014				

10.00

Unit 445052 Rate Total

(bpm)

8.00

6.00

4.00

2.00

0.00

1000.00

Unit 445052 Pump

Pressure

(psi)

800.00

600.00

400.00

200.00

0.00

18.00

Unit 445052 Density

(lb/gal)

16.00

14.00

12.00

10.00

8.00

6.00

4.00

2.00

0.00



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Client Representative Johnny Damron	Surface Well Location NE SE Sec 19:T5N:R61W	Down Hole Well Location	Job Type Miscellaneous Pumping	

## 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>		
8.750		10.000	--	2,500.000	--	--		
Tubing								
<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Collapse Pressure</u>	<u>Capacity</u>	<u>I.D.</u>	<u>O.D.</u>	<u>Depth From</u>	<u>Depth To</u>
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
2.875	6.500	---	--	--	--	--	0.000	2,497.370

## Products

Plug 1	
From Depth (ft):	2308
To Depth (ft):	2497.37
Plug Type :	Well Stability
Acids/Blends/Fluids :	
Tail: 65 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 14 (bbl)	
Water Temperature(°F) = 60 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 60	
+ 1 % of CaCl2 (Add On The Fly)	
Plug 2	
From Depth (ft):	
To Depth (ft):	
Plug Type :	Well Stability
Acids/Blends/Fluids :	

## Fluid & Cement Data

Expected Cement Top: --					
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	--	8.400	--	--	Jul 30, 2014 07:28



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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
201191	PICKUP	1 Ton	449095	TRAILER	Utility Trailer		
445052	TRAILER	SCM Twin	745052	TRACTOR	Tandem - Tractor		
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor		

### Crew and Bonuses

Employee	Start Shift	End Shift	Second Start Shift	Second End Shift
Price, Ryan	08/22/2014 10:30	08/22/2014 14:30		
Cheal, Samuel	08/22/2014 10:30	08/22/2014 14:30		
Hall, Austin	08/22/2014 10:30	08/22/2014 14:30		
Pigg, Martin	08/22/2014 10:30	08/22/2014 14:30		

## 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 22, 2014 10:30	Arrive On Location	---	--	--	--	--	0.00
2	Aug 22, 2014 10:35	Tailgate Meeting	---	--	--	--	--	0.00
3	Aug 22, 2014 11:30	Rig In	---	--	--	--	--	0.00
4	Aug 22, 2014 12:15	Wait On Instructions	---	--	--	--	--	0.00
Remarks: wait for calcium to be brought out to location								
5	Aug 22, 2014 13:00	Safety Meeting	---	--	--	--	--	0.00
6	Aug 22, 2014 13:08	Sign-off on Safety	---	--	--	--	--	0.00
7	Aug 22, 2014 13:13	Pump	Water	1.50	100.0	--	2.00	0.00
Remarks: filled lines for pressure test								
8	Aug 22, 2014 13:15	Pressure Test	---	--	1,500.0	--	--	0.00
9	Aug 22, 2014 13:16	Pump Spacer	Water	1.00	130.0	--	5.00	0.00
10	Aug 22, 2014 13:20	Mix Cement	0-1-0 G	2.00	150.0	--	14.00	0.00
11	Aug 22, 2014 13:30	Pump Displacement	Water	2.00	50.0	--	12.00	0.00
Remarks: balanced last 2 bbls with boost pump only								
12	Aug 22, 2014 13:39	Stop	---	--	--	--	--	0.00
13	Aug 22, 2014 13:45	Rig Out	---	--	--	--	--	0.00
14	Aug 22, 2014 13:55	Wash	---	--	--	--	--	0.00
15	Aug 22, 2014 14:15	Job Complete	---	--	--	--	--	0.00
16	Aug 22, 2014 14:20	Pre-Departure Meeting	---	--	--	--	--	0.00
17	Aug 22, 2014 14:30	Leave Location	---	--	--	--	--	0.00
Remarks: staying on location for next plug.								



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**Treatment Reports & Remarks**

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

**Comments To Service Report**

Plug went great. soft location. Bulk truck got stuck close to location, 8 wheel tractor pulled out. Company rep requested calcium so waited half hour for some to be brought out. Company rep happy with job.





Client	Bill Barrett	Client Rep	Johnny Damron	Supervisor	Ryan Price
Ticket No.	9188738	Well Name	McPerson #1	Unit No.	445052
Location	NE SE Sec 19; T5N; R61W	Job Type	Abandonment Plugs	Service District	Fort Lupton
Comments	Job Date 08/22/2014				

