



Cementing Service Report

9208223

Client Name Great Western Oil & Gas Company	Well Name Great Western 26-51	Rig HWS 39	Job Date January 24,2016	Call Sheet 1064263
Client Representative Mr. Michael Lonsday/Stn Brinar	Surface Well Location NE NE Sec 26:T6N:R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Contreras, Bennie (23469)

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)
7.875	--	454.000	1,300.000	--	--

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)
8.625	24.000	J-55	1,370.0	2,950.0	28.91	8.097	9.625	0.0	454.0
4.500	11.600	J-55	4,960.0	5,350.0	112.95	4.000	5.000	0.0	7,267.0

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
1.315	1.720	J-55	10,000.000	1.390	1.049	1.550	0.000	1,300.000

Products

Stage 1

From Depth (ft): 0

To Depth (ft): 1300

Acids/Blends/Fluids :

Tail: 238 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 49 (bbl)

Water Temperature(°F) = 55 , Bulk Temperature(°F) = 50 , Slurry Temperature(°F) = 72

+ 0.25 % of CFR-2 (Preblend),

+ 0.5 % of CaCl₂ (Preblend),

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

Fluid & Cement Data

Expected Cement Top: --

Wellbore Fluid

Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	--	--	--	--	Mar 24, 2015 15:22



9208223

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>
201166	PICKUP	1 Ton	449083	TRAILER	Utility Trailer	01/24/2016 09:00	01/24/2016 13:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/24/2016 09:00	01/24/2016 13:30
446153	TRAILER	Bulker	746153	TRACTOR	Tandem - Tractor	01/24/2016 09:00	01/24/2016 13:30
200596	PICKUP	1/2 Ton				01/24/2016 09:00	01/24/2016 13:30

Crew and Bonuses

<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>	<u>Second End Shift</u>
Contreras, Bennie (23469)	01/24/2016 09:00	01/24/2016 13:30		
Cheal, Samuel (28315)	01/24/2016 09:00	01/24/2016 13:30		
Decenick, Jorden (30684)	01/24/2016 09:00	01/24/2016 13:30		
Carter, Henry (30641)				
Bushnell, Cody (21127)	01/24/2016 09:00	01/24/2016 13:30		

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	Jan 24,2016 09:00	Arrive On Location		--	--	--	--	0.00	
		Remarks: Arrived.							
2	Jan 24,2016 09:10	Crew Briefing (Rig in)		--	--	--	--	0.00	
		Remarks: STEACS							
3	Jan 24,2016 09:40	Rig in Complete		--	--	--	--	0.00	
		Remarks: Rig in complete..							
4	Jan 24,2016 10:30	Crew Briefing (Pre Job)		--	--	--	--	0.00	
		Remarks: Muster, 911 caller, Nearest med., Amb. and driver, Location safety equipt., Job scope.							
5	Jan 24,2016 11:05	Pressure Test Start	Water	--	2,000.0	--	--	0.00	
		Remarks: 2000 psi pressure test.							
6	Jan 24,2016 11:07	Pressure Test Complete		--	--	--	--	0.00	
		Remarks: Test complete.							
7	Jan 24,2016 11:07	Establish Circulation	Water	1.50	700.0	--	2.00	2.00	
		Remarks: 2 BBLs to establish circulation.							
8	Jan 24,2016 11:09	Pump Preflush	Water	1.50	700.0	--	10.00	12.00	
		Remarks: 10 BBLs of mudflush.							
9	Jan 24,2016 11:17	Pump Spacer	Water	1.50	700.0	--	5.00	17.00	
		Remarks: 5 BBL fresh water spacer.							
10	Jan 24,2016 11:19	Mix Cement	0-1-0 G	1.50	700.0	--	32.70	49.70	
		Remarks: 32.7 BBLs of cement @ 15.8 lb/gal..							
11	Jan 24,2016 11:41	Displace Fluid	Water	1.50	550.0	--	0.50	50.20	
		Remarks: .5 BBL of water to balance cement.							
12	Jan 24,2016 11:42	Stop		--	--	--	--	50.20	
		Remarks: Stop and wait for second stage.							
13	Jan 24,2016 12:02	Mix Cement	0-1-0 G	1.40	750.0	--	10.00	60.20	
		Remarks: Mix and pump 10 BBLs of cement @ 15.8 lb/gal..							
14	Jan 24,2016 13:00	Rig Out		--	--	--	--	60.20	
		Remarks: Rig down.							
15	Jan 24,2016 13:15	Job Complete		--	--	--	--	60.20	
		Remarks: Job complete.							
16	Jan 24,2016 13:30	Leave Location		--	--	--	--	60.20	
		Remarks: Leave.							
Did Float Hold: Yes Fluid Returns : Yes Type : Cement Volume (bbl) : 1 Temperature (°F) : 75 FDAS Functioning Correctly : Yes Was the Program Followed As Per Design? : Yes									



Treatment Reports & Remarks	
Material Transfer Sheet Number	
<u>Material Transfer Sheet Number</u>	
63428	
63429	

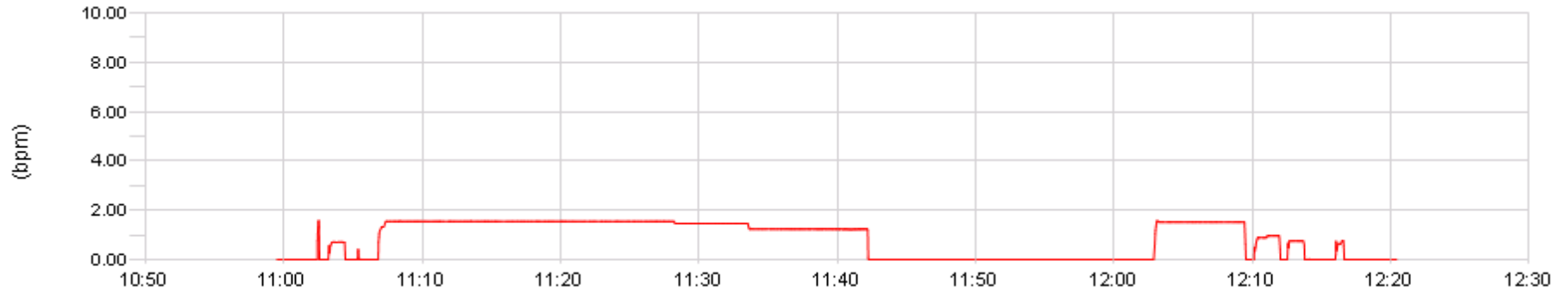


Client Great Western
Ticket No. 9208223
Location Sec26:T6N:R67W
Comments 320 sacks 0-1-0 G @ 15.8 lb/gal

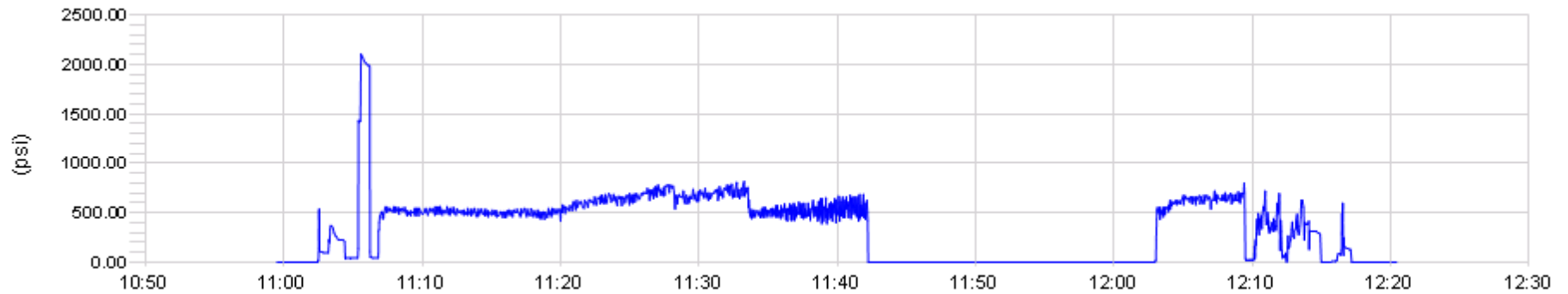
Client Rep Mr. Stan Brinar
Well Name Great Western 26-51
Job Type Miscellaneous Pumping

Supervisor Bennie Contreras
Unit No. 445047
Service District Fort Lupton
Job Date 01/24/2016

Unit 445047 Rate Total



Unit 445047 Pump Pressure



Unit 445047 Density

