

Client Name Great Western Oil & Gas Company	Well Name Great Western 23-44	Rig HWS 39	Job Date January 15, 2016	Call Sheet 1063946
Client Representative Mr. Michael Lonsday	Surface Well Location Sec 26.T6N.R67W	Down Hole Well Location	Job Type Bradenhead Squeeze	Lead Supervisor Hall, Andrew J (25267)

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	30.000	456.000	7,478.000	-	-

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	J-55	1,370.0	2,950.0	29.04	8.097	9.625	0.0	456.0
	4.500	11.600	J-55	4,960.0	5,350.0	116.23	4.000	5.000	0.0	7,478.0

Tubing	Size (in)	Weight (lb/ft)	Grade	Collapse Pressure (psi)	Capacity (bbl)	I.D. (in)	O.D. (in)	Depth From (ft)	Depth To (ft)
	1.050	1.200	J-55	10,560.000	0.860	0.824	1.660	0.000	1,303.000

Products

Stage 1
From Depth (ft): 500
To Depth (ft): 1303
Acids/Blends/Fluids :
Tail: 160 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 33 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 70
+ 0.25 % of CFR-2 (Preblend),
+ 0.5 % of CaCl2 (Preblend),
+ 0.25 lb/sack of LCL-7 (Preblend)
Stage 2
From Depth (ft): 0
To Depth (ft): 500
Acids/Blends/Fluids :
Tail: 160 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 33 (bbl)
Water Temperature(°F) = 50 , Bulk Temperature(°F) = 60 , Slurry Temperature(°F) = 70
+ 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:	Surface				
Wellbore Fluid					
Fluid Type	Viscosity (cP)	Density (lbs/gal)	Yield Point (psi)	Temperature (°F)	Recorded@
Water	-	-	-	-	Mar 24, 2015 15:22

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 15,2016 12:30	Arrive On Location		--	--	--	--	0.00
2	Jan 15,2016 12:45	Crew Briefing (Rig in)		--	--	--	--	0.00
3	Jan 15,2016 13:30	Rig in Complete		--	--	--	--	0.00
4	Jan 15,2016 14:10	Crew Briefing (Pre Job)		--	--	--	--	0.00
5	Jan 15,2016 14:40	Pressure Test Start	Water	1.00	3,000.0	--	3.00	3.00
6	Jan 15,2016 14:42	Pressure Test Complete		--	--	--	--	3.00
7	Jan 15,2016 14:43	Establish Circulation	Water	1.75	800.0	--	41.00	44.00
8	Jan 15,2016 15:05	Pump Preflush	Water	1.70	700.0	--	10.00	54.00
		Remarks: Mud flush						
9	Jan 15,2016 15:08	Pump Spacer	Water	1.50	700.0	--	5.00	59.00
10	Jan 15,2016 15:12	Pump	0-1-0 G	1.50	600.0	--	33.00	92.00
11	Jan 15,2016 15:50	Stop		--	--	--	--	92.00
		Remarks: Wait for rig to pull up to 500'						
12	Jan 15,2016 16:05	Pump	0-1-0 G	2.00	600.0	--	33.00	33.00
13	Jan 15,2016 16:25	Wash	Water	--	--	--	--	33.00
14	Jan 15,2016 16:45	Rig Out		--	--	--	--	33.00
15	Jan 15,2016 17:15	Job Complete		--	--	--	--	92.00
		Remarks: AAR						
16	Jan 15,2016 17:30	Leave Location		--	--	--	--	92.00

Did Float Hold: Not Applicable

Fluid Returns : Yes

Type : Cement

Volume (bbl) : 5

Temperature (°F) : 80

FDAS Functioning Correctly : Yes

Was the Program Followed As Per Design? : Yes

Material Transfer Sheet Number

Material Transfer Sheet Number

63335



9209148

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	449084	TRAILER	Utility Trailer	01/15/2016 12:30	01/15/2016 17:30
445047	TRAILER	SCM Twin	745047	TRACTOR	Tandem - Tractor	01/15/2016 12:30	01/15/2016 17:30
446145	TRAILER	Bulker	746145	TRACTOR	Tandem - Tractor	01/15/2016 12:30	01/15/2016 17:30
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Hall, Andrew J (25267)	01/15/2016 12:30	01/15/2016 17:30					
Hansen, Ted (29055)	01/15/2016 12:30	01/15/2016 17:30					
Melgarejo Herrera, Eduardo (26606)	01/15/2016 12:30	01/15/2016 17:30					



Client	Great Western Oil & Gas	Client Rep	Michael Lonsday	Supervisor	Andy Hall
Ticket No.	9209148	Well Name	Great Western 23-44	Unit No.	445047, 445052
Location	Sec 26:T6N:R67W	Job Type	Well Stability Plug	Service District	505 Fort Luntun
Comments	Pumped job according to prog.			Job Date	01/15/2016

