

**Service Ticket**

9209080

Field Estimate

Client Name Great Western Oil & Gas Company			Well Name Great Western 26 - 31		Surface Well Location NE NE Sec 26 T6N R66W		Job Date November 18, 2015			
			Job Type Cement Misc.		Down Hole Location		Service Point Fort Lupton		Call Sheet 1062578	
Address PO Box 3445			Client Representative Mr. Stan Brinar		State CO		County Weld		Pricing Area Area U	
City Coppell		State TX	Postal Code 75019	Drilling Company HWS		Rig No 39		AFE/PO #		

District	Service, Equipment & Material Type	Disc	SL	Code	Quantity/Unit	Unit Price	Amount	
D505	Travel Charge (1 Unit(s) X 60 miles)	56	12	1380	60	\$7.50	\$450.00	
D505	Service Charge 0 to 2000 ft	56	12	1100	1	\$4,300.00	\$4,300.00	
D505	Twin Pumping	56	12	1150	1	\$860.00	\$860.00	
D505	Handling Service Charge	56	12	1480	287	\$3.30	\$947.10	
D505	Bulk Delivery / Return (14.2 Unit(s) X 60 miles)	56	12	1484	852	\$2.55	\$2,172.60	
D505	SAM Unit	56	12	1497	1	\$1,015.00	\$1,015.00	
D505	OWG	56	12	3000	275	\$30.00	\$8,250.00	
D505	Calcium Chloride	56	12	3100	259	\$1.80	\$466.20	
D505	LCL-7	56	12	3247	69	\$5.00	\$345.00	
D505	LCL-11	56	12	3250	138	\$3.55	\$489.90	
D505	EnviroBag	-	12	1492	1	\$78.00	\$78.00	*
D505	CDF-3L	56	12	3262	7	\$141.00	\$987.00	
D505	Environmental Surcharge	-	12	1493	1	\$50.00	\$50.00	*
D505	Fuel Surcharge	-	12	2992	2	\$400.00	\$800.00	*
D505	Sugar	-	12	3265	100	\$2.00	\$200.00	*

This Space Reserved for Client Coding Stamp	* Not Subject to Discount	Field Estimate	Before Discount:	\$21,410.80
			Discount Amount:	\$11,358.37
			Net Amount:	\$10,052.43
	FOR OFFICE USE ONLY			
<input type="checkbox"/> Cementing - Prim	<input checked="" type="checkbox"/> Cementing -Rem.	<input type="checkbox"/> Code 9000		
<input type="checkbox"/> Coiled Tubing	<input type="checkbox"/> Nitrogen			
<input type="checkbox"/> Acidization	<input type="checkbox"/> Fracturing			
<input type="checkbox"/> Industrial Services	<input type="checkbox"/> MPCT			
<input type="checkbox"/> Other				
Field		Sales 1	Sales 2	
Comments job went well		This service ticket is not an invoice; pricing is subject to review and change without notice. This signature confirms that I have read and comply with the terms and conditions page of this service ticket. X		



Cementing Service Report

9209080

Client Name Great Western Oil & Gas Company	Well Name Great Western 26 - 31	Rig HWS 39	Job Date November 18, 2015	Call Sheet 1062578
Client Representative Mr. Stan Brinar	Surface Well Location NE NE Sec 26:T6N.R66W	Down Hole Well Location	Job Type Cement Misc.	Lead Supervisor Svoboda, Miloslav (28226)

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	—	—	—	—	—

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	0.000	—	—	—	—	—	—	—	—

Tubing

Size	Weight	Grade	Collapse Pressure	Capacity	I.D.	O.D.	Depth From	Depth To
(in)	(lb/ft)		(psi)	(bbl)	(in)	(in)	(ft)	(ft)
1.660	0.000	—	—	—	—	—	0.000	1,264.000

Products

Plug 1

From Depth (ft): 0

To Depth (ft): 1264

Plug Type : Well Stability

Acids/Blends/Fluids :

Tail: 275 Sacks of 0-1-0 G, Density = 15.8 lb/gal, Volume Pumped = 57 (bbl)

Water Temperature(°F) = 50 , Bulk Temperature(°F) = 55 , Slurry Temperature(°F) = 64

- + 0.25 % of CFR-2 (Preblend),
- + 1 % of CaCl₂ (Preblend),
- + 0.25 lb/sack of LCL-7 (Preblend),
- + 0.5 lb/sack of PS Flake (Preblend)

Fluid & Cement Data

Expected Cement Top:	Surface				
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	—	—	—	—	Mar 24, 2015 15:22



9209080

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	201191	PICKUP	1 Ton	11/18/2015 07:00	11/18/2015 12:00
445070	TRAILER	SCM Twin	745070	TRACTOR	Tandem - Tractor	11/18/2015 07:00	11/18/2015 12:00
446152	TRAILER	Bulker	746152	TRACTOR	Tandem - Tractor	11/18/2015 07:00	11/18/2015 12:00
Crew and Bonuses							
<u>Employee</u>	<u>Start Shift</u>	<u>End Shift</u>	<u>Second Start Shift</u>		<u>Second End Shift</u>		
Svoboda, Miloslav (28226)	11/18/2015 04:30	11/18/2015 18:49					
Meisner, Jeremy (27681)	11/18/2015 04:30	11/18/2015 18:49					
Dunsbergen, Scott (29737)	11/18/2015 04:30	11/18/2015 18:49					

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	Nov 18,2015 07:00	Arrive On Location		--	--	--	--	0.00
	Remarks: sing in							
2	Nov 18,2015 07:05	Crew Briefing (Rig in)		--	--	--	--	0.00
	Remarks: tailgate meeting							
3	Nov 18,2015 07:35	Rig in Complete		--	--	--	--	0.00
4	Nov 18,2015 07:40	Crew Briefing (Pre Job)		--	--	--	--	0.00
	Remarks: JSA with OSR, rig crew							
5	Nov 18,2015 08:15	Pressure Test Start	Water	2.00	3,500.0	--	2.00	0.00
6	Nov 18,2015 08:19	Pressure Test Complete		--	--	--	--	0.00
	Remarks: pressure held							
7	Nov 18,2015 08:21	Establish Circulation	Water	1.00	250.0	--	2.00	0.00
8	Nov 18,2015 08:33	Mix Cement	0-1-0 G	1.50	700.0	--	57.00	0.00
	Remarks: mixed & pumped away							
9	Nov 18,2015 09:21	Displace Fluid	Water	1.00	450.0	--	1.50	0.00
10	Nov 18,2015 09:23	Stop		--	--	--	--	0.00
	Remarks: open return							
11	Nov 18,2015 09:50	Wash	Water	--	--	--	--	0.00
	Remarks: wash pump							
12	Nov 18,2015 10:20	Rig Out		--	--	--	--	0.00
13	Nov 18,2015 10:45	Job Complete		--	--	--	--	0.00
14	Nov 18,2015 11:30	Pre-Departure Meeting		--	--	--	--	0.00
15	Nov 18,2015 12:00	Leave Location		--	--	--	--	0.00
Did Float Hold:		Not Applicable						
Fluid Returns :		Yes						
Type :		Cement						
Volume (bbl) :		6						
Temperature (°F) :		75						
FDAS Functioning Correctly :		Yes						
Was the Program Followed As Per Design? :		Yes						
Material Transfer Sheet Number								
Material Transfer Sheet Number								
63838								



Client	Great Western	Client Rep	Stan Britnar	Supervisor	Milo Svoboda
Ticket No.	9209080	Well Name	Great Western 26-31	Unit No.	745070
Location	NE NE Sec 26:T6N:R66W	Job Type	Miscellaneous Pumping	Service District	D505
Comments	275 sks of 0-1-0 G @ 15.8 ppg			Job Date	11/18/2015

