



CEMENTER'S WELL SERVICE, INC.

P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712

OUR INVOICE

7-420

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199122

Field Inv #

(P.O. #113594)

Date <u>3/12/11</u>	Well Owner <u>Great Western</u>	Well No. <u>31-12</u>	Lease <u>Gustafson</u>
County <u>Weld</u>	State <u>Colorado</u>	Field	
Charge to <u>EXSIGN US Drilling</u>			Charge Code
Address <u>P.O. Box 17805 (EXSIGN #7)</u>			For Office Use Only
City, State <u>Denver Colorado 80217</u>			
Pump Truck No. <u>1208</u>	Code	Bulk Truck No. <u>1917</u>	Code
Type of Job	Depth	Ft. <u>516</u>	To
Surface <u>8 5/8" (150-24")</u>	Bottom of Surface	Ft. <u>552</u>	To
Plug	Plug Landed @ <u>512</u>	Ft.	Time On <u>0930</u>
Production	Pipe Landed @ <u>552</u>	Ft.	Time Off <u>Plug Down 1215</u>

Reference No.	Description	Qty.	Meas.	Unit Price	Amount
	Pump Truck Charge				
	Cement Neat ✓	430	SKS		
	Poz. Mix				
	Calcium Chloride	3%			
	Gel % Flo-Cele $\frac{1}{4}$ #Per Sack				
	Handling Charge				
	Hauling Charge				
	Additional Cement				
	8 5/8" Baffle plate	1			
	Mixing Rate -4 BPM/Displacement Rate-4 BPM				
	Slurry Vol-1.18 CU FT/SK-Slurry WT 15.2 PPG				
	Total Slurry Vol 90 BBS Cement				
	Landed Plug @ 300 PSI/Water Temp 46°F				

Remarks: <u>Pre-Flush w/ 20 BBS H²O</u>	Tax Reference Code	Sub Total
<u>Displace w/ 32.5 BBS H²O</u>	State <u>10.29 %</u>	Tax
<u>Circulate 4 BBS Cement</u>	Disc.	Total

Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
<u>1208</u>		Pump Truck		<u>20</u>			
<u>1917</u>		Bulk Truck		<u>20</u>			

We do not assume any responsibility for any damage or conditions resulting from our services. All pricing is subject to review and revision.

Delivered By Justin Dallas James & Justin

Received By

Customer or His Agent

CEMENT JOB REPORT



CUSTOMER Great Western Oil & Gas LLC			DATE 19-MAR-11		F.R. # 1001775503		SERV. SUPV. SCOTT D SMITH			
LEASE & WELL NAME GUSTAFSON #31-12 - API 05123329570000			LOCATION SEC 31 - 7 N - 65 W				COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton			DRILLING CONTRACTOR RIG # ENSIGN 7				TYPE OF JOB Long String			

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES							
Cement Plug, Rubber, Top 4-1/2 in	Float Shoe 4-1/2 - 8rd			SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
	Float Collar, Auto Fill, 4-1/2 - 8rd										
MATERIALS FURNISHED BY BJ											
Fresh Water				0	8.34	0	0	00:00	40		
50:50 Poz + Additives				280	14.6	1.38	5.90	02:30	68.81	39.33	
Claytreat Water				0	8.34	0	0	00:00	117.50		
Mud Clean II				0	8.5	0	0	00:00	20		
Fresh Water				0	8.34	0	0	00:00	40		
Premium Lite Cement + Additives				320	11	3.22	19.86	03:30	183.51	151.49	
Available Mix Water <u>600</u> Bbl. Available Displ. Fluid <u>200</u> Bbl.				TOTAL						469.82	190.82

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
7.875	20	7613	4.5	11.6	CSG	7597	N-80	7597	7583	0

LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.625	24	CSG	580	No packer	0	0	0	4.5	8 RD	WATER BASED ML	9.2

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
117.5	BBLs	Claytreat Water	8.34	1090	0	0	0	0	6224	3000	Rig Tank

Circulation Prior to Job

Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	Circulation Time: 1	Circulation Rate: 6 BPM
Mud Density In: 9.2 LBS/GAL Mud Density Out: 9.2 LBS/GAL	PV & YP Mud In: 17	PV & YP Mud Out: 17
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:	Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>	

Displacement And Mud Removal

Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>	Amount Bled Back After Job: 1 BBLs
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL	Method Used to Verify Returns: Visual
Cement Returns at Surface: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE	
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES	Quantity: 30 Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD	

Plugs

Number of Attempts by BJ: 0	Competition: 0	Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Top of Plug: 0 FT Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE <input type="checkbox"/>	SHOE SQUEEZE <input type="checkbox"/>	TOP OF LINER SQUEEZE <input type="checkbox"/>	PLANNED <input type="checkbox"/> UNPLANNED <input type="checkbox"/>
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES	PSI Applied: 0	Fluid Weight: 0 LBS/GAL

Casing Test (Update Original Treatment Report for Primary Job)

Casing Test Pressure: 0 PSI	With 0 LBS/GAL Mud	Time Held: 00 Hours 00 Minutes
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EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL	EXPLANATION
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CEMENT JOB REPORT



Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: 0 FT Target EMW: 0 LBS/GAL Actual EMW: 0 LBS/GAL
 Number of Times Tests Conducted: 0 Mud Weight When Test was Conducted: 0 LBS/GAL

Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
 n/a

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
 n/a

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 n/a

PRESSURE/RATE DETAIL

EXPLANATION

TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>			
	PIPE	ANNULUS				TEST LINES	4820 PSI	CIRCULATING WELL - RIG	BJ <input type="checkbox"/>
08:30	0	0	0	0	NONE	Pre Job Rig Up Safety Meeting			
09:10	0	0	0	0	NONE	Job Safety Meeting			
09:40	4820	0	0	0	H2O	Pressure Test			
09:45	490	0	7.2	20	H2O	Pre Flush (Per Customer)			
09:49	550	0	7.2	20	H2O	Mud Clean II			
09:52	560	0	7.2	20	H2O	Spacer (Per Customer)			
09:55	590	0	7.5	110	CMT	320 sks PLC + 4% Bentonite; .6% Sodium Metasilicate; 8 lbs/sk			
10:12	150	0	7.6	79	CMT	Lead Slurry Rate / Pressure Change			
10:24	115	0	5.7	73	CMT	280 sks POZ + .3% CD32; .4% FL52; .1% Sodium Metasilicate; 20% Silica Flour			
10:38	0	0	0	0	NONE	Shut down, Wash up, Drop plug			
10:48	100	0	8	70	H2O	Displacement w/CT3C			
10:57	370	0	7	30	H2O	Displacement Rate / Pressure Change			
11:01	830	0	5.6	5	H2O	Displacement Rate / Pressure Change			
11:02	860	0	4.1	5	H2O	Displacement Rate / Pressure Change			
11:03	970	0	2.8	8	H2O	Displacement Rate / Pressure Change			
11:06	1140	0	2.8	118	H2O	Bump Plug			
11:10	0	0	0	0	NONE	Plug Down			
11:10	0	0	0	0	NONE	Post Job Rig Down Safety Meeting			

BUMPED PLUG	PSI TO BUMP PLUG	TEST FLOAT EQUIP.	BBL.CMT RETURNS/ REVERSED	TOTAL BBL. PUMPED	PSI LEFT ON CSG	SPOT TOP OUT CEMENT	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2310	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	440	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



BJ Services JobMaster Program Version 3.50
Job Number: 1001775503
Customer: Great Western Oil & Gas
Well Name: Gustafson 31-12

