

**CEMENTER'S WELL SERVICE, INC.**  
P.O. BOX 336220 • GREELEY, CO 80633 • (970) 353-7299 • FAX (970) 353-7712

OUR INVOICE

**201053**

Date <u>11/9/12</u>	Well Owner <u>Great Western</u>	Well No. <u>24-37D</u>	Lease <u>DeHoe</u>
County <u>Weld</u>	State <u>Colorado</u>	Field	
Charge to <u>CADE Drilling, LLC</u>	Charge Code		
Address <u>3450 WCR 27<sup>th</sup> 2 (CADE #25)</u>	For Office Use Only		
City, State <u>FT. Lupton, Colorado 80621</u>			
Pump Truck No. <u>1208</u>	Code	Bulk Truck No. <u>1214</u>	Code
Type of Job	Depth	Ft. <u>656</u>	To
<u>Surface</u> <u>8 5/8" CSB-24"</u>	Bottom of Surface	Ft. <u>646</u>	To
Plug	Plug Landed @ <u>604</u>	Ft.	Time On <u>1530</u>
Production	Pipe Landed @ <u>646</u>	Ft.	Time Off <u>Plug Down @ 1700</u>

Reference No.	Description	Qty.	Meas.	Unit Price	Amount		
	Pump Truck Charge						
	Cement Neat ✓	460	SKS				
	Poz. Mix						
	Calcium Chloride	3%					
	Gel        %       Flo-Cele    4       #Per Sack						
	Handling Charge						
	Hauling Charge						
	Additional Cement						
8 5/8"	Centralizers	3					
	Cement Basket	1					
	Guide Shoe	1					
	Baffle Plate	1					
	Box-thread lock	1					
	Mix Rate 4 BPM	Slurry Vol- 1.18 FT <sup>3</sup>	SK-water Temp- 72° F				
	Disp Rate 5 BPM	Slurry WT 15.2 PPG					
	Plug landed @ 400 PSI	Total Slurry Vol-	96.6 BBL Cement				
Remarks: Pre-Flush w/ 20 BBL H <sup>2</sup> O		Tax Reference Code	Sub Total				
Displace w/ 38.4 BBL H <sup>2</sup> O		State CO 2.9 %	Tax				
Circulate 4 BBL Cement		Disc.	Total				
Truck No.	Code	State Mileage	Nebraska	Colorado	Wyoming	Other	Total Mileage
1208		Pump Truck		24			
1214		Bulk Truck		24			

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, Evan, Steve & Nathan

Received By \_\_\_\_\_

Customer or His Agent

FIELD RECEIPT NO. 1001947260



CUSTOMER		GREAT WESTERN OIL & GAS		CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER		INVOICE NUMBER	
MAIL		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE			
INVOICE TO		503 MAIN ST		Windsor		Colorado		80550			
DATE WORK COMPLETED		MO.	DAY	YEAR	BH REPRESENTATIVE	WELL API NO:		WELL TYPE:			
11 12 2012		CALEB C KINGSLEY		0512335620000		New Well					
DISTRICT		BJS, BRIGHTON		JOB DEPTH(ft)		WELL CLASS:					
WELL NAME AND NUMBER		DEFTERER FD #24-37D		TD WELL DEPTH(ft)		GAS USED ON JOB:					
WELL LOCATION:		LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE:			
25-6N-67W		Weid		Colorado		Long String					
PRODUCT CODE	DESCRIPTION	UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT				
100021	Class G Cement	sacks	148	29.700	4,395.60	55%	1,978.02				
100112	Calcium Chloride	lbs	250	1.220	305.00	100%	0.00				
100120	Bentonite	lbs	1010	0.500	505.00	55%	227.25				
100121	Silica Flour	lbs	4956	0.530	2,626.68	55%	1,182.01				
100275	Sodium Metasilicate	lbs	177	3.900	690.30	55%	310.64				
100317	Poz (Fly Ash)	sacks	148	13.200	1,953.60	55%	879.12				
100404	Sodium Chloride	lbs	150	0.490	73.50	100%	0.00				
398108	Mud Clean II	gals	840	1.610	1,352.40	55%	608.58				
398224	Premium Lite Cement	sacks	290	24.050	6,974.50	55%	3,138.53				
488013	CD-32	lbs	75	12.650	948.75	55%	426.94				
488015	FL-52	lbs	100	25.600	2,560.00	55%	1,152.00				
488019	FP-6L	gals	5	99.250	496.25	55%	223.31				
488353	CSE-2	lbs	2320	1.610	3,735.20	55%	1,680.84				
499632	Granulated Sugar	lbs	50	3.490	174.50	55%	78.53				
499702	ClayCare, Clay Treat-2C, 260 gl tote	gals	8	140.000	1,120.00	55%	504.00				
SUB-TOTAL FOR Product Material					27,911.28	55.61%	12,389.77				
ARRIVE LOCATION:		MO.	DAY	YEAR	TIME	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.					
11 12 2012		20:39									
CUSTOMER REP.											
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS											
CUSTOMER AUTHORIZED AGENT											
X											
BH1 APPROVED											
X											
SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.											
CUSTOMER AUTHORIZED AGENT											
X											

FIELD RECEIPT NO. 1001947260



CUSTOMER GREAT WESTERN OIL & GAS			CREDIT APPROVAL NO.		PURCHASE ORDER NO.		CUSTOMER NUMBER 20013943 - 00229266		INVOICE NUMBER								
MAIL STREET OR BOX NUMBER 503 MAIN ST			CITY Windsor		STATE Colorado		ZIP CODE 80550										
INVOICE TO																	
DATE WORK COMPLETED 11 12 2012			BHI REPRESENTATIVE CALEB C KINGSLEY		WELL API NO: 0512335620000		WELL TYPE: New Well										
DISTRICT BUS, BRIGHTON					JOB DEPTH (ft) 7.396		WELL CLASS: Gas										
WELL NAME AND NUMBER DETERERER FD #24-37D			TD WELL DEPTH (ft) 7.408		GAS USED ON JOB: No Gas												
WELL LOCATION : 25-6N-67W			LEGAL DESCRIPTION Weid		COUNTY/PARISH Colorado		STATE Colorado		JOB TYPE CODE: Long String								
PRODUCT CODE			DESCRIPTION			UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT		% DISC.		NET AMOUNT	
A152			Personnel Per Diem Chrg - Cement Svc			ea		1		161.500		161.50		0%		161.50	
M100			Bulk Materials Blending Charge			cu ft		755		4.170		3,148.35		55%		1,416.76	
			SUB-TOTAL FOR Service Charges									3,309.85		52.32%		1,578.26	
F067A			Cement Pumping, 7001 - 8000 ft			6hrs		1		7,925.000		7,925.00		55%		3,566.25	
F090			Fuel per pump charge - cement			pump/hr		4		61.000		244.00		0%		244.00	
J050			Cement Head			job		1		635.000		635.00		55%		285.75	
J225			Data Acquisition, Cement, Standard			job		1		1,635.000		1,635.00		55%		735.75	
J390			Mileage, Heavy Vehicle			miles		80		9.100		728.00		55%		327.60	
J391			Mileage, Auto, Pick-Up or Treating Van			miles		80		5.150		412.00		55%		185.40	
			SUB-TOTAL FOR Equipment									11,579.00		53.84%		5,344.75	
J401			Bulk Delivery, Dry Products			ton-mi		1177		3.030		3,566.31		55%		1,604.84	
			SUB-TOTAL FOR Freight/Delivery Charges									3,566.31		55.00%		1,604.84	
			FIELD ESTIMATE									46,366.44		54.89%		20,917.62	
ARRIVE LOCATION : 11 12 2012 20:39			MO. DAY YEAR TIME			SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.			SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.								
CUSTOMER REP.						X			CUSTOMER AUTHORIZED AGENT								
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS						X			BHI APPROVED								
CUSTOMER AUTHORIZED AGENT																	

# CEMENT JOB REPORT



<b>CUSTOMER</b> GREAT WESTERN OIL & GAS		<b>DATE</b> 12-NOV-12		<b>F.R. #</b> 1001947260		<b>SERV. SUPV.</b> CALEB C KINGSLEY	
<b>LEASE &amp; WELL NAME</b> DETERER FD #24-37D - API 05123355620000		<b>LOCATION</b> 25-6N-67W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Cade 25		<b>TYPE OF JOB</b> Long String			

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 4-1/2 in	Cement Basket, Slip On, 4-1/2 in	NONE	0	0	NONE	0	0
	Centralizer, with Pins, 4-1/2 in	NONE	0	0	NONE	0	0
	Float Collar, Auto Fill, 4-1/2 - 8rd	NONE	0	0	NONE	0	0
	Guide Shoe, Texas-Notched 4-1/2 i						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES						
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Treated Water			8.34				20	
Tail	C11-046-12	295	14.6	1.38	5.90	02:30	72.5	41.43
Treated Water	0	0	8.34	0	0	00:00	114.7	
Mud Clean II	0	0	8.5	0	0	00:00	20	
Treated Water	0	0	8.34	0	0	00:00	20	
Lead	C11-046-12	290	11	3.22	19.86	03:30	166.3	137.28
Available Mix Water 250 Bbl.		Available Displ. Fluid 150 Bbl.		TOTAL		413.5 178.72		

HOLE			TBG-CSG-D.P.						COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
7.875	0	7408	4	4.5	11.6	CSG	7387	7272	N-80	7396	7382	0

LAST CASING				PKR-CMT RET-BR PL-LINER				PERF. DEPTH			TOP CONN		WELL FLUID	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.1	8.63	24	CSG	646	646	NO PACKER OR CEMENT R		0	0	0	4.5	8RND	WATER BASED	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	
114.7	BBLs	Treated Water	8.34	1185.8	0	0	0	0	7780	6224	RIG TANK

Circulation Prior to Job			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: 1	
Mud Density In: 9.2 LBS/GAL		Mud Density Out: 9.2 LBS/GAL	
PV & YP Mud In: 25		PV & YP Mud Out: 25	
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: 1.2 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:	
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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

# CEMENT JOB REPORT



## 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

## 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)  
NONE

Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
NONE

### PRESSURE/RATE DETAIL

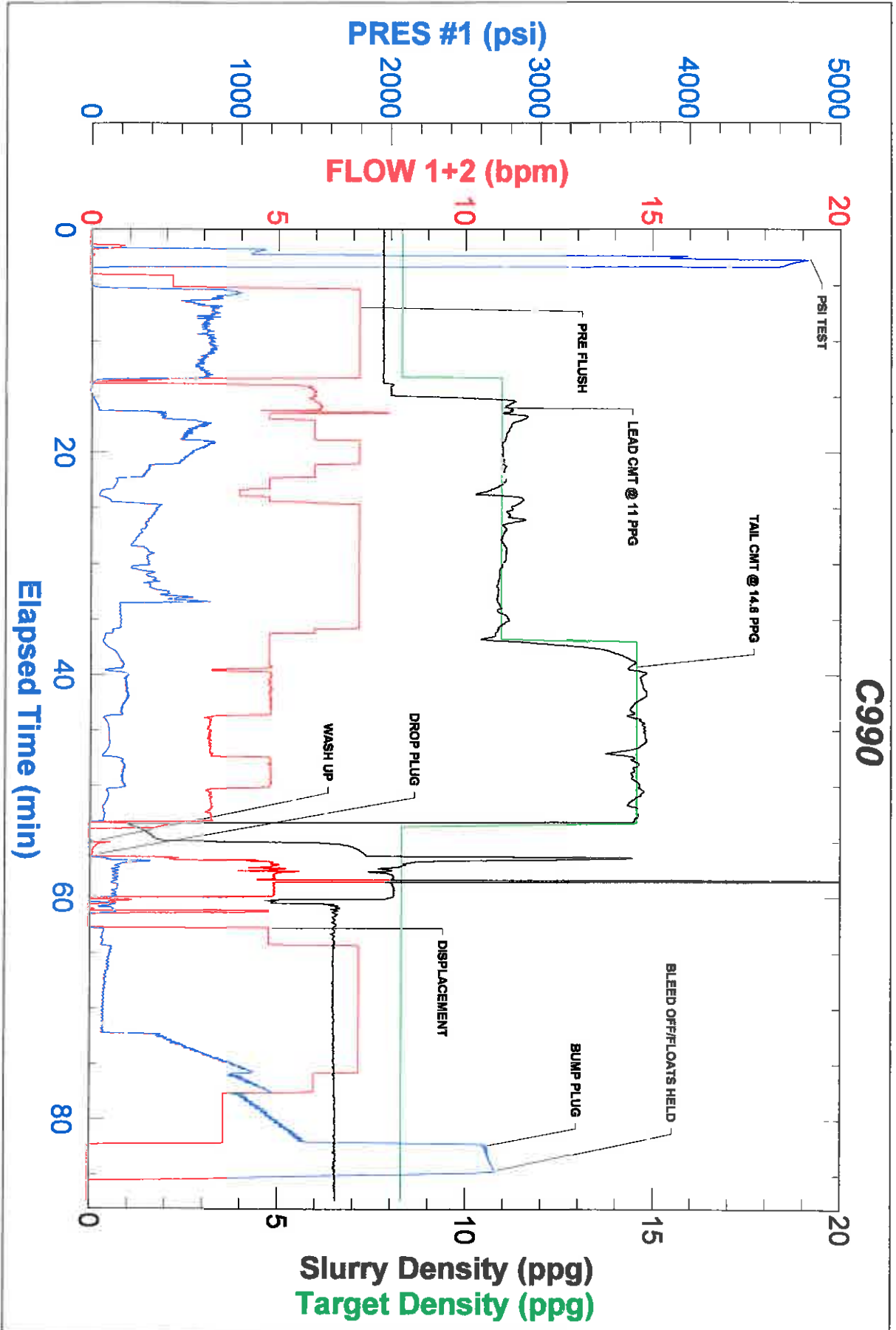
### EXPLANATION

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 4802 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
19:45	0	0	0	0	NA	LEAVE THE YARD			
20:39	0	0	0	0	NA	ARRIVE TO LOCATION			
21:35	0	0	0	0	NA	SPOT TRUCKS			
22:15	0	0	0	0	NA	SAFETY MEETING			
22:52	4802	0	0	0	H2O	PRESSURE TEST			
22:55	982	0	7.2	20	H2O	FRESH WATER SPACER WITH CLAY CARE			
22:58	712	0	7.2	20	H2O	MUD CLEAN II SPACER			
23:01	824	0	7.2	20	H2O	FRESH WATER SPACER WITH CLAY CARE			
23:04	0	0	0	0	NA	SHUT DOWN AND PREPARE FOR CEMENT			
23:07	810	0	7.2	140	CMT	LEAD CMT PUMPED AT 11 PPG			
23:30	245	0	4.8	67	CMT	TAIL CMT PUMPED AT 14.6 PPG			
23:45	0	0	0	0	NA	SHUT DOWN AND WASH UP PUMPS AND LINES			
23:50	0	0	0	0	NA	DROP PLUG			
23:54	105	0	7.2	90	H2O	START DISPLACEMENT			
00:06	1086	0	6	10	H2O	DROP RATE			
00:09	957	0	3.6	15	H2O	DROP RATE			
00:14	1462	0	3.6	115	H2O	FINAL LIFT			
00:14	2630	0	3.6	0	H2O	BUMP PLUG			
00:16	2803	0	0	0	NA	BLEED OFF/FLOATS HELD			
00:03	191	0	7.2	66	H2O	CAUGHT CMT			
00:50	0	0	0	0	NA	LEAVE LOCATION			

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	1185.8	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	382	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



Baker Hughes JobMaster Program Version 3.60  
Job Number: 1001947260  
Customer: GREAT WESTERN  
Well Name: DETTERER FD 24-37D





Production Casing:  
4 1/2" 11.6# N-80 (new)

# DETERER 24-37 D

11/12/2012  
Cade Rig 25

Jt #	jt length	depth (ft)	C	B	Jt #	jt length	depth (ft)	C
Shoe/TD		7396.59			101	40.46	3176.58	C
	13.71	7396.59			102	42.68	3136.12	
FC/PBTD		7382.88			103	42.73	3093.44	C
		7382.88			104	41.39	3050.71	
1	41.59	7382.88		B	105	42.69	3008.82	C
2	42.12	7341.29	C		106	42.69	2966.13	
3	42.72	7299.17	C		107	42.66	2923.44	C
4	42.7	7256.45	C		108	42.65	2880.78	
5	42.64	7213.75	C		109	42.63	2838.13	
6	42.66	7171.11	C		110	41.79	2795.5	
7	14.5	7128.45	M		111	42.67	2753.71	
8	42.66	7113.95	C		112	42.72	2711.04	
9	42.38	7071.29	C		113	42.62	2668.32	
10	42.64	7028.91	C		114	41.94	2625.7	
11	42.83	6986.27	C		115	42.72	2583.76	
12	42.72	6943.44	C		116	42.67	2541.04	
13	42.73	6900.72	C		117	42.65	2498.37	
14	42.72	6857.99			118	42.65	2455.72	
15	14.7	6815.27	M		119	42.82	2413.07	
16	42.78	6800.57			120	42.7	2370.25	
17	42.73	6757.79	C		121	42.73	2327.55	
18	42.4	6715.06			122	42.64	2284.82	
19	42.1	6672.66	C		123	41.95	2242.18	
20	42.77	6630.56			124	42.74	2200.23	
21	41.94	6587.79	C		125	42.55	2157.49	
22	42.74	6545.85			126	41.82	2114.94	
23	42.9	6503.11	C		127	42.7	2073.12	
24	41.95	6460.21			128	41.85	2030.42	
25	42.69	6418.26	C		129	42.3	1988.57	
26	42.65	6375.57			130	42.77	1946.27	
27	42.72	6332.92	C		131	42.82	1903.5	
28	42.74	6290.2			132	42.76	1860.88	
29	42.57	6247.46	C		133	42.74	1818.12	
30	42.76	6204.89			134	42.74	1775.38	
31	42.88	6162.13	C		135	42.24	1732.64	
32	42.25	6119.25			136	42.63	1690.4	
33	42.54	6077	C		137	42.72	1647.77	
34	41.97	6034.46			138	41.79	1605.05	
35	42.45	5992.49			139	42.65	1563.26	
36	44.73	5950.04			140	42.65	1520.61	
37	41.75	5905.31			141	42.75	1477.96	
38	42.68	5863.56			142	42.65	1435.21	
39	42.83	5820.88			143	42.32	1392.56	
40	42.66	5778.05			144	41.55	1350.24	
41	41.3	5735.39			145	42.4	1308.69	
42	40.55	5694.09			146	42.62	1266.29	

43	42.61	5653.54		147	42.63	1223.67
44	42.7	5610.93		148	42.78	1181.04
45	42.72	5568.23		149	42.78	1138.26
46	40.37	5525.51		150	42.7	1095.48
47	42.7	5485.14		151	42.64	1052.78
48	44.74	5442.44		152	42.95	1010.14
49	44.69	5397.7		153	42.36	967.19
50	44.75	5353.01		154	42.7	924.53
51	41.4	5308.26		155	42.79	881.83
52	44.75	5266.86		156	42.75	839.04
53	44.71	5222.11		157	42.85	796.29
54	44.74	5177.4		158	42.74	753.44
55	42.81	5132.66		159	42.76	710.7
56	42.67	5089.85		160	42.75	667.94
57	42.55	5047.18		161	42.35	625.19
58	42.8	5004.63		162	42.35	582.34
59	42.12	4961.83		163	42.7	539.49
60	41.1	4919.71		164	42.91	496.79
61	41.76	4878.61		165	42.84	453.88
62	42.76	4836.85		166	42.72	411.04
63	42.59	4794.09		167	44.73	368.32
64	42.75	4751.5		168	44.8	323.59
65	41.67	4708.75		169	44.8	278.79
66	42.69	4667.08		170	44.74	233.99
67	42.74	4624.39		171	44.83	189.25
68	43.46	4581.65		172	44.8	144.42
69	42.83	4538.19		173	42.75	99.62
70	42.79	4495.36		174	42.87	56.87
71	41.75	4452.57		175		14
72	41.91	4410.82		176		14
73	42.76	4368.91		177		14
74	42.6	4326.15		178		14
75	42.75	4283.55		179		14
76	42.65	4240.8		180		14
77	42.7	4198.15		181		14
78	42.76	4155.45		182		14
79	42.44	4112.69		183		14
80	42.84	4070.25		184		14
81	42.62	4027.41		185		14
82	42.78	3984.79		186		14
83	42.17	3942.01		187		14
84	42.7	3899.84		188		14
85	42.59	3857.14		189		14
86	42.78	3814.55		190		14
87	42.75	3771.77		191		14
88	42.4	3729.02		192		14
89	42.44	3686.62	C	193		14
90	41.35	3644.18		194		14
91	42.69	3602.83	C	195		14