

# CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 10-OCT-11	F.R. # 1001858959	SERV. SUPV. CHRISTOPHER M MCKEON											
LEASE & WELL NAME LIND #20-23 - API 05123290340000		LOCATION 20-7N-66W		COUNTY-PARISH-BLOCK Weld Colorado											
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 22		TYPE OF JOB Long String											
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES											
Cement Plug, Rubber, Top 4-1/2 in		Cement Basket, Slip On, 4-1/2 in		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER					
		Centralizer, with Pins, 4-1/2 in													
MATERIALS FURNISHED BY BJ															
Fresh Water				0	8.34	0	0	00:00	20						
50:50 Poz + Additives				220	14.6	1.38	5.90	02:30	54.07	30.90					
Claytreat Water				0	8.34	0	0	00:00	119.06						
Mud Clean II				0	8.5	0	0	00:00	20						
Fresh Water				0	8.34	0	0	00:00	20						
Premium Life Cement + Additives				325	11	3.22	19.86	03:30	186.38	153.86					
Available Mix Water 400 Bbl.		Available Displ. Fluid 400 Bbl.		TOTAL				419.51	184.76						
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE					
7.875	20	7622	4.5	11.6	CSG	7600	N-80	7600	7586	0					
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID					
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		TOP	BTM	SIZE	THREAD	TYPE	WGT.				
8.625	24		580	No packer		0	0	4.5	8RD	WATER BASED MU	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					
119.1	BBLS	Claytreat Water	8.34	1074	0	0	0	0	6224	3000	Rlg tank				
Circulation Prior to Job															
Circulated Well: Rlg <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 7.2 BPM							
Mud Density In: 9.2 LBS/GAL				Mud Density Out: 9.2 LBS/GAL				PV & YP Mud In: 0				PV & YP Mud Out: 0			
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: Rlg <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1.3 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"/> RECIPROICATION <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 checked="" 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							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NA															
PRESSURE/RATE DETAIL						EXPLANATION									

## 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)  
NA

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

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

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 4359 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
05:00	0	0	0	0	NA	Rig up safety meeting	
06:15	0	0	0	0	NA	Pre job safety meeting	
06:26	2772	0	0	0	H2O	Low pressure test	
06:29	4359	0	0	0	H2O	High pressure test	
06:31	581	0	7.4	20	H2O	ClayCare/ test mix water	
06:35	707	0	7.4	20	H2O	Mud Clean II	
06:37	751	0	7.4	20	H2O	ClayCare	
06:42	143	0	5.2	174	CMT	Batch up, weigh and pump 325 sx. PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 @ 11.0 ppg.	
07:05	152	0	4.1	51	CMT	Batch up, weigh and pump 220 sx. (50:50) Poz:G + 0.3% CD-32 + 0.4% FL-52 + 0.1% SM + 20% Silica Flour @ 14.6 ppg.	
07:30	0	0	0	0	NA	Drop plug/ wash up	
07:36	908	0	6.2	95	H2O	Start ClayCare displacement	
07:51	1009	0	5	10	H2O	Rate change	
07:53	1034	0	3.8	5	H2O	Rate change	
07:54	1236	0	2.5	8	H2O	Rate change	
07:58	1286	0	2.5	0	NA	Bump plug	
08:00	2550	0	0	0	NA	Plug down/ Total displacement 118 bbls.	
08:02	0	0	0	0	NA	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	1286	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	403	0	Y <input checked="" type="checkbox"/> N	