

# CEMENT JOB REPORT



CUSTOMER GREAT WESTERN OIL & GAS		DATE 27-OCT-11	F.R. # 1001863369	SERV. SUPV. LANCE N WEBB								
LEASE & WELL NAME LIND #20-14 - API 05123290350000		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								
Latch Down Plug & Assembly, 4-1/2		Centralizer, with Pins, 4-1/2 In Float Collar, Auto Fill, 4-1/2 - 8rd		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
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	30.86		
Claytreat Water				0	8.34	0	0	00:00	118			
Mud Clean II				0	8.5	0	0	00:00	20			
Fresh Water				0	8.34	0	0	00:00	20			
Premium Lite Cement + Additives				300	11	3.22	19.86	03:30	172	141.99		
Available Mix Water 300 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL					404	172.85		
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
7.875	0	7632	4.5	11.6	CSG	7588	N-80	7588	7572	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	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	
118	BBLS	Claytreat Water		8.34	1100	0	0	0	0	6224	4000	RIG
Circulation Prior to Job												
Circulated Well: Rlg <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 2				Circulation Rate: 4 BPM				
Mud Density In: 9.2 LBS/GAL				Mud Density Out: 9.2 LBS/GAL				PV & YP Mud In: 43		PV & YP Mud Out: 43		
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 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: 32				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				
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE												
PRESSURE/RATE DETAIL						EXPLANATION						

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## 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	5000 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
19:00	0	0	0	0	NA	ARRIVE ON LOCATION 1800 RTS HAD TROUBLE GETTING ON LOCATION DUE TO MUDDY LEASE ROADS	
19:30	0	0	0	0	NA	SPOT TRUCKS	
20:45	0	0	0	0	NA	SAFETY MEETING	
21:10	3500	0	0	0	H2O	LOW PSI TEST	
21:11	5033	0	0	0	H2O	HIGH PSI TEST	
21:13	555	0	7	20	H2O	H2O SPACER	
21:16	590	0	7	20	H2O	MUD CLEAN 2	
21:19	480	0	7	20	H2O	H2O SPACER	
21:27	379	0	6	171	CMT	BATCH/WEIGH/PUMP LEAD CMT @11PPG	
21:58	203	0	5	53	CMT	WEIGH/PUMP TAIL CMT @14.6PPG	
22:13	0	0	0	0	H2O	SHUT DOWN DROP PLUG	
22:22	178	0	7	0	H2O	DISPLACEMENT WITH CLAY CARE	
22:34	350	0	5	75	H2O	CAUGHT CMT	
22:40	980	0	2.5	108	H2O	SLOWED RATE	
22:44	2266	0	0	118	H2O	BUMPED PLUG FLOAT HELD FINAL LIFT 1184PSI	
23:30	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	1100	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	404	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

X