

# CEMENT JOB REPORT



<b>CUSTOMER</b> GREAT WESTERN OIL & GAS				<b>DATE</b> 08-JAN-12		<b>F.R. #</b> 1001878751		<b>SERV. SUPV.</b> REESE A ANDERSON																											
<b>LEASE &amp; WELL NAME</b> BINDER #13-20 - API 05123327650000				<b>LOCATION</b> 20-4N-67W				<b>COUNTY-PARISH-BLOCK</b> Weld Colorado																											
<b>DISTRICT</b> Brighton				<b>DRILLING CONTRACTOR RIG #</b> CADE 22				<b>TYPE OF JOB</b> Long String																											
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>		<b>TVD</b>		<b>HANGER TYPES</b>																									
Latch Down Plug & Assembly, 4-1/2		Float Shoe 4-1/2 - 8rd																																	
		Float Collar, AI Flap, 4-1/2 - 8rd																																	
		Centralizer, with Pins, 4-1/2 in																																	
<b>MATERIALS FURNISHED BY BJ</b>				<b>LAB REPORT NO.</b>				<b>PHYSICAL SLURRY PROPERTIES</b>																											
								<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>																					
ClayCare Water				0				0				00:00				20																			
50:50 Poz+.3%CD32+.4%FL63+.1%SMS+20%SF				260				14.6				1.38				5.90				02:30				64				36.58							
ClayCare Water				0				8.34				0				00:00				122.48															
Mud Clean II				0				8.5				0				00:00				20															
ClayCare Water				0				8.34				0				00:00				20															
PL+.6%SMS+8#/skCSE2				0				315				11				3.22				19.86				03:30				180				148.59			
Available Mix Water				600				Bbl.				Available Displ. Fluid				200				Bbl.				TOTAL				426.48				185.17			
<b>HOLE</b>				<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>																											
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>																							
7.875	20	7700	4	4.5	11.6	CSG	7661	7661	N-80	7661	7649	0																							
<b>LAST CASING</b>				<b>PKR-CMT RET-BR PL-LINER</b>				<b>PERF. DEPTH</b>				<b>TOP CONN</b>				<b>WELL FLUID</b>																			
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>																						
8.1	8.63	24	CSG	490	490	No Packer	0	0	0	4.5	8RD	WATER BASED	9.5																						
<b>DISPL. VOLUME</b>				<b>DISPL. FLUID</b>				<b>CAL. PSI</b>				<b>CAL. MAX PSI</b>				<b>OP. MAX</b>				<b>MAX TBG PSI</b>				<b>MAX CSG PSI</b>				<b>MIX WATER</b>							
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>																									
118.9	BBLS	ClayCare Water	8.34	1070	0	0	0	0	6224	3000	Rig Tank																								
<b>Circulation Prior to Job</b>																																			
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>								Circulation Time: 1				Circulation Rate: 6 BPM																							
Mud Density In: 9.4 LBS/GAL Mud Density Out: LBS/GAL								PV & YP Mud In:				PV & YP Mud Out:																							
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"/>																											
<b>Displacement And Mud Removal</b>																																			
Displaced By: Rig <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 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																																			
<b>Plugs</b>																																			
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																							
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>																																			
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																							
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>																																			
Casing Test Pressure: 0 PSI				With 0 LBS/GAL Mud				Time Held: 00 Hours 00 Minutes																											

# 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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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	4881 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
20:00	0	0	0	0	NA	Arrive on Location	
20:30	0	0	0	0	NA	Spot Trucks	
20:35	0	0	0	0	NA	Pre Rig up Meeting	
21:30	0	0	0	0	NA	Pre job Safety Meeting	
21:51	4481	0	.8	0	H2O	Pressure Test	
21:53	544	0	7.2	20	H2O	Clay Care Water	
21:57	569	0	7.2	20	H2O	Mud Clean 2	
22:00	581	0	7.2	20	H2O	Clay Care Water	
22:05	281	0	6.7	166	CMT	11.0 ppg Cement	
22:36	109	0	4.4	62	CMT	14.6 ppg Cement	
22:56	0	0	4.4	9	H2O	Wash up/Drop Plug	
23:00	65	0	7.2	55	H2O	Displacement	
23:09	135	0	4.8	25	H2O	Rate Change	
23:14	426	0	3.6	48	H2O	Rate Change...Due to water issues with rig	
23:23	1269	0	3.6	0	H2O	Bump Plug	
23:23	2504	0	0	0	H2O	Plug down	
23:26	0	0	0	0	NA	Bleed Pressure/Test Float	
23:37	0	0	0	0	NA	Pre Rig Down Meeting	
23:38	0	0	0	0	NA	Rig Down	
BUMPED PLUG <input type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1269	TEST FLOAT EQUIP. <input type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 407	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	Service Supervisor Signature: <i>Reese Anderson</i>