

# CEMENT JOB REPORT



CUSTOMER EOG Resources Inc.			DATE 08-MAY-11		F.R. # 1001800637		SERV. SUPV. AARON M MCWILLIAMS								
LEASE & WELL NAME WINDMILL #4-22H - API 05123330010000			LOCATION 22-5N-62W			COUNTY-PARISH-BLOCK Weld Colorado									
DISTRICT Brighton			DRILLING CONTRACTOR RIG # True #30			TYPE OF JOB Intermediate									
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			PHYSICAL SLURRY PROPERTIES										
Cement Plug, Rubber, Top 7 in		Float Collar, Auto Fill, 7 - 8rd Float Shoe 7 - 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															
Premium Lite Cement + additives					585	12.5	1.89	10.37	00:02	196.90	144.48				
50:50:3 + 0.4% FL-52+0.1% SMS+20%S-8					145	13.5	1.71	8.30	04:59	44.23	28.66				
10 bbls fresh water then used water					0	8.34	0	0	00:00	260.22					
Mud Clean I + Alpha-125					0	8.34	0	0	00:00	20					
Claytreat Water + Alpha-125					0	8.34	0	0	00:00	20					
Claytreat Water + Alpha-125					0	8.34	0	0	00:00	20					
Available Mix Water <u>400</u> Bbl. Available Displ. Fluid <u>180</u> Bbl.										TOTAL	561.36	173.14			
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE					
8.75	0	6657	7	23	CSG	6656	N-80	6656	6610		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.			
9.625	36	CSG	837	No Packer		0	0	0	7	8RD	WATER BASED MU	9.8			
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					
261.5	BBLS	10 bbls fresh water ft	8.34	1040	0	0	0	0	5072	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: 9.8 LBS/GAL Mud Density Out: 9.8 LBS/GAL				PV & YP Mud In: 0				PV & YP Mud Out: 0							
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> Units: 0				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 checked="" type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL				Method Used to Verify Returns: Visually											
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO				Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES											
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE															
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity: <u>                    </u>				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 checked="" 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									

## 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)  
 Did not bump plug pumped 261.5 shut down. Checked float.

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	4730 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		
04:55	0	0	0	0	N/A	Arrive on location		
12:25	0	0	0	0	N/A	Rig up safety meeting		
13:35	0	0	0	0	N/A	Pre job safety meeting		
13:58	4730	0	0	0	H2O	Pressure test pumps and lines		
14:02	229	0	5.6	20	CT-3C	Clay treat preflush + alpha		
14:06	245	0	5.6	20	MUDCLEA	Mud clean I + alpha		
14:10	267	0	5.6	20	CT-3C	Clay treat spacer +alpha		
14:15	473	0	5.9	195	CMT	Batch up and pump 585sks of PLC + 0.4% FL-52 + 3% Bentonite + 0.25 pps Cello 12.5 ppg 1.89 yield 10.37 pgs		
14:49	178	0	5.9	45	CMT	Batch up and pump 145sks of (50:50) Poz:G + 0.4% FL-52 + 3% Bentonite + 0.1% 13.5 ppg 1.71 yield 8.30 gps		
15:10	0	0	0	0	N/A	Drop plug		
15:14	1087	0	4.8	250	MUD	Displacement		
16:10	1076	0	2.8	11.5	MUD	Rate change		
16:38	888	0	0	0	MUD	Plug down @ 261.5 bbl's		
16:40	0	0	0	0	N/A	Rig down safety meeting		
<b>BUMPED PLUG</b>	<b>PSI TO BUMP PLUG</b>	<b>TEST FLOAT EQUIP.</b>	<b>BBL.CMT RETURNS/ REVERSED</b>	<b>TOTAL BBL. PUMPED</b>	<b>PSI LEFT ON CSG</b>	<b>SPOT TOP OUT CEMENT</b>	<b>Service Supervisor Signature:</b>	
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	1040	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	11.5	561.5	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		

