

# CEMENT JOB REPORT



<b>CUSTOMER</b> EOG Resources Inc.		<b>DATE</b> 19-SEP-10		<b>F.R. #</b> 664910049		<b>SERV. SUPV.</b> Jericho Morrell	
<b>LEASE &amp; WELL NAME</b> HEBRON #5-18H - API 05057065020000		<b>LOCATION</b> 18-7N-80W		<b>COUNTY-PARISH-BLOCK</b> Jackson Colorado			
<b>DISTRICT</b> Rock Springs		<b>DRILLING CONTRACTOR RIG #</b> SST-53		<b>TYPE OF JOB</b> Intermediate			

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		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	
Cement Plug, Rubber, Top 7 in		Float Collar, AI Flap, 7 - 8rd									
		Guide Shoe, Cement Nose, 7 in									
<b>MATERIALS FURNISHED BY BJ</b>											
Claytreat water+Alpha-125					8.34				20		
Mud Clean I+Alpha-125					8.24				20		
Claytreat water+Alpha-125					8.34				20		
P11+.25#/sk cf+.4%fl25+5%bent+.02#/sk static free					799	12.5	1.92	10.55	04:34	273	200.54
50:50Poz:G+.4%fl25+5%bent+.25%smss+20%silica flour					189	13.5	1.74	8.43	03:46	58	37.57
Claytreat Water + Alpha-125					8.34				20		
Available Mix Water		800 Bbl.		Available Displ. Fluid		800 Bbl.		<b>TOTAL</b>		411	238.11

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
10		7075	7	23	CSG	7075				

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		1000								

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	
279.0	BBLS			1012	0	0	0	0	7530	6024	Rig Tanks

<b>Circulation Prior to Job</b>											
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 10.75				Circulation Rate: 5 BPM			
Mud Density In: 10.1 LBS/G				Mud Density Out: 10.1 LBS/GAL				PV & YP Mud In: 19			
PV & YP Mud Out: 19				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: 2.5 BBLS							
Returns During Job: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> PARTIAL <input 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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE											
Centralizers: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity:				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: 1500 PSI With 8.34 LBS/GAL Mud Time Held: 00 Hours 30 Minutes											

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: Running casing											
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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)

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

After mixing up lead cement, the cement pump packed off getting water all the way back to the bulk truck tier. We had to order more cement and get everything cleaned up and operational. It set us back about 12 hours.

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

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 6045 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
02:20						Leave yard	
08:30						Arrive on location	
08:40						Spotted pump	
14:45						Pre-rig up safety meeting	
16:05						Rig up complete to except mud line	
16:27						Start rigging up mud line	
17:00						Ground rig up complete	
19:43						JSA w/rig crew	
20:00						Started rigging up floor	
20:16						Floor rig up complete	
21:36						Break circulation	
21:38	226	0	2.1	2	H2O	Load lines	
21:42	7431	0	0	0	H2O	Pressure test/check lines for leaks and iron integrity	
21:45	403	0	5	20	H2O	Pump claytreat water	
21:49	471	0	5	20	H2O	Pump Mud Clean I	
21:53	532	0	5	20	H2O	Pump claytreat water	
21:57	0	0	0	0	H2O	Shut down batch up cement	
22:01	476	0	.9	2	CMT	Pump lead slurry	
22:03	0	0	0	0	CMT	Shut down/cement packed off/water all the way back to the bulk truck tier	
22:30	0	0	0	0	MUD	Turn back over to rig	
						9/19/10	
09:00						JSA w/rig crew	
09:18						Break circulation	
09:20						Floor rig up	
09:28	176	0	2	2	H2O	Load lines	
09:30	6045	0	0	0	H2O	Pressure test	
09:32	327	0	4.2	20	H2O	Pump claytreat water	
09:37	426	0	4.1	20	H2O	Pump Mud Clean I spacer	
09:42	453	0	4.6	20	H2O	Pump claytreat water	
09:47	0	0	0	0	H2O	Shut down/batch up cement	
09:51	554	0	4.1	273	LEAD	Pump lead slurry	
10:56	126	0	3.1	58	TAIL	Pump tail slurry	
11:15	0	0	0	0	TAIL	Shut down	
11:30	50	0	3.1	1	H2O	Drop plug	
11:40	101	0	5.1	20	H2O	Rate and pressure	
11:46	126	0	5.1	50	H2O	Rate and pressure	
11:56	478	0	5	100	H2O	Rate and pressure	

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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	6045 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
12:09	806	0	4.9	150	H2O	Rate and pressure	
12:16	1033	0	5	200	H2O	Rate and pressure	
12:21	1083	0	4	220	H2O	Circulation slows down/slowed rate	
12:26	1059	0	2.1	237	H2O	Circulation continues to slow to no more than the diameter of a pencil/slowed rate	
12:38	1385	0	2.1	250	H2O	Rate and pressure	
12:43	1486	0	2.1	278	H2O	Final rate and pressure	
12:46	2393	0	0	278	H2O	Final rate and pressure	
12:49	1536	0	0	0	H2O	Start of casing test	
13:29	1738	0	0	0	H2O	End of casing test/casing test was good	
13:40						Pre-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
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2393	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	669	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature:





**BJ Services JobMaster Program Version 3.20**

**Job Number: 664910049**

**Customer: EOG**

**Well Name: Hebron 5-18H**

