

## CEMENT JOB REPORT



CUSTOMER EOG Resources Inc.		DATE 17-JUL-10	F.R. # 1001652003	SERV. SUPV. RYAN SULLIVAN											
LEASE & WELL NAME CRITTER CREEK #5-10H - API 05123312750000		LOCATION SEC 10 - 11 N - 63 W		COUNTY-PARISH-BLOCK Weld Colorado											
DISTRICT Brighton		DRILLING CONTRACTOR RIG # TRUE 30		TYPE OF JOB Surface											
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES											
Cement Plug, Rubber, Top 9-5/8 in		Float Collar, Auto Fill, 9-5/8 - 8rd Centralizer, with Pins, 9-5/8 in		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	15						
Type III + additives				620	14.5	1.40	6.82	01:30	154.6	100.53					
15 Bbls fresh water then drilling mud				0	8.34	0	0	00:00	103.8						
Type III + 2% CaCl on side if needed				100	14.5	1.39	6.81		24.76	16.22					
Available Mix Water 200 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL				298.16	116.74						
HOLE			TGB-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE					
13.5	41	1377	9.625	36	CSG	1377	J-55	1382	1342	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.			
16	84		60	No Packer		0	0	0	9.625	8RD	WATER BASED MU	8.8			
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TGB PSI		MAX CSG PSI		MIX WATER				
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator					
103.8	BBLS	15 Bbls fresh water th	8.34	408	0	0	0	0	2816	2816	rig				
<b>Circulation Prior to Job</b>															
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1.5				Circulation Rate: 6 BPM							
Mud Density In: 8.8 LBS/GAL				Mud Density Out: 8.8 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"/>							
<b>Displacement And Mud Removal</b>															
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: .7 BBLS											
Returns During Job: <input type="checkbox"/> NONE <input 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 checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE															
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 10				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															
<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 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			
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>															
Casing Test Pressure: 1550 PSI				With 8.8 LBS/GAL Mud				Time Held: 00 Hours 30 Minutes							
<b>Shoe Test (Update Original Treatment Report for Primary Job)</b>															
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											
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: none															

## CEMENT JOB REPORT



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	4004 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
18:00	0	0	0	0	NA	Pre Rig up safety meeting	
20:00	0	0	0	0	NA	Pre Job Safety meeting	
20:49	2690	0	0	0	WATER	Low Pressure test - Had a leak after first test. Fixed and retested.	
20:53	4004	0	0	0	WATER	High Pressure test	
20:58	129	0	6	15	WATER	Fresh water	
21:03	139	0	4.9	15.1	CEMENT	Batch up and pump 620 sx of Type III + 1% Cacl2 + 0.25 lbs/sack Cello Flake at 14.5 ppg	
21:37	0	0	0	0	NA	Drop plug	
21:48	0	0	4.8	15	WATER	Displace water	
21:53	313	0	4.8	50	MUD	Displace mud	
22:07	433	0	3.6	30	MUD	Rate change	
22:10	447	0	2	13	MUD	Rate change	
22:16	570	0	2	11.6	MUD	Bump plug	
22:16	1117	0	0	0	N/A	Plug down @ 104.6 bbls	
22:31	1550	0	0	0	N/A	Casing Test - Hold for 30 minutes	
23:01	1520	0	0	0	N/A	Casing test pressure after 30 minutes	
23:05	0	0	0	0	N/A	Pre-rig down safety meeting	
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 570	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 20	TOTAL BBL. PUMPED 270.6	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature: 

X Danny Cook

