

# CEMENT JOB REPORT



<b>CUSTOMER</b> EOG Resources Inc.			<b>DATE</b> 09-AUG-11		<b>F.R. #</b> 1001842920		<b>SERV. SUPV.</b> CORY A THAUT					
<b>LEASE &amp; WELL NAME</b> CRITTER CREEK #34-16H - API 05123331030000			<b>LOCATION</b> 16-11N-63W			<b>COUNTY-PARISH-BLOCK</b> Weld Colorado						
<b>DISTRICT</b> Brighton			<b>DRILLING CONTRACTOR RIG #</b> True #30			<b>TYPE OF JOB</b> Intermediate						
<b>SIZE &amp; TYPE OF PLUGS</b>			<b>LIST-CSG-HARDWARE</b>			<b>PHYSICAL SLURRY PROPERTIES</b>						
Cement Plug, Rubber, Top 7 in			Float Shoe 7 - 8rd			<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>
<b>MATERIALS FURNISHED BY BJ</b>												
Premium Lite Cement + additives						713	12.5	1.89	10.37	00:02	240	176.10
50:50:3 + 0.4% FL-52+0.1% SMS+20%S-8						149	13.5	1.71	8.30	04:59	45	29.16
10 bbls fresh water then used water						0	8.34	0	0	00:00	301.5	
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	
<b>Available Mix Water</b> 800 <b>Bbl.</b> <b>Available Displ. Fluid</b> 508 <b>Bbl.</b>						<b>TOTAL</b>			646.5 205.26			
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>					
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>SIZE</b>	<b>WGT.</b>	<b>TYPE</b>	<b>DEPTH</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>		
8.75	45	7708	7	23	CSG	7702	N-80	7702	7658.72	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>SIZE</b>	<b>WGT</b>	<b>TYPE</b>	<b>DEPTH</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>
9.625	36	CSG	1422	No Packer		0	0	0	7	8RND	WATER BASED ML	9.8
<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>		
301.5	BBLS	10 bbls fresh water tl	8.34	1735	0	0	0	0	8720	5000	Rig	
<b>Circulation Prior to Job</b>												
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 5.25 BPM			
Mud Density In: 9.8 LBS/GAL Mud Density Out: 9.8 LBS/GAL						PV & YP Mud In: 15			PV & YP Mud Out: 15			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units: <input checked="" type="checkbox"/>						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: 3.25 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 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 checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Quantity:			Type: <input checked="" type="checkbox"/> BOW <input type="checkbox"/> RIGID <i>N/A</i>			
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> <i>N/A</i>												
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			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:												
<b>PRESSURE/RATE DETAIL</b>												
<b>EXPLANATION</b>												



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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.

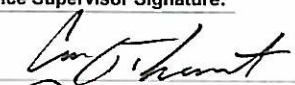
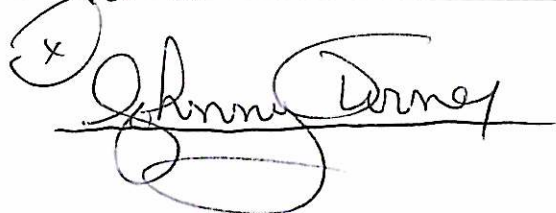
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
None.

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 6389 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
00:00	0	0	0	0	0	Wait on Rig time: 4 hours and 49 minutes			
00:00	0	0	0	0	0	Wait on Baker Hughes time: 0 hours and 0 minutes			
05:45	0	0	0	0	0	Arrive on location / Waiting for rig to finish running casing (4 hours and 29 minutes)			
10:14	0	0	0	0	0	Spot equipment			
10:26	0	0	0	0	0	Pre rig up JSA			
10:30	0	0	0	0	0	Begin ground rig up			
11:10	0	0	0	0	0	Ground rig up complete / Waiting for water truck (water for mixing cement - 20 minutes)			
11:30	0	0	0	0	0	JSA with customer and rig crew			
11:55	0	0	0	0	0	Begin floor rig up			
12:06	0	0	0	0	0	Floor rig up complete			
12:15	215	0	2.2	2	H2O	Load lines			
12:17	3471	0	0	0	H2O	Low pressure test			
12:18	6389	0	0	0	H2O	High pressure test			
12:25	283	0	4.1	20	H2O	Spacer - Fresh Water + 1gpt Claycare + 1 gpt Alpha			
12:30	284	0	4	20	MDCLN	Spacer - Mud Clean + 1 gpt Claycare + 1 gpt Alpha			
12:35	305	0	3.9	20	H2O	Spacer - Fresh Water + 1gpt Claycare + 1 gpt Alpha			
12:42	451	0	2	240	CMNT	Batch up and pump 713 sacks of Lead cement slurry @ 12.5 ppg: 35/65 Poz/C + .4% FL-52 + .25 lbs/sk Cello Flake + 3% Bentonite			
13:30	183	0	5	45	CMNT	Mix and pump 149 sacks of Tail cement slurry @ 13.5 ppg + .4% FL-52 + 3% Bentonite + .1% SMS + 20% Silica Flour			
13:41	0	0	0	0	0	Shut down			
13:45	103	0	7.2	10	H2O	Drop plug / Start displacement (wash up on top plug)			
14:04	411	0	7.2	122	H2O	Caught up to cement (pressure increase)			
14:08		0		100	H2O	Rate and pressure			
14:08	747	0	7.2	150	H2O	Rate and pressure			
14:15	1296	0	7.2	200	H2O	Rate and pressure			
14:21	1886	0	7.2	250	H2O	Rate and pressure			
14:26	1984	0	4.7	276	H2O	Cement returns to surface (25 bbls returned)			
14:28	1846	0	2.4	286	H2O	Slow rate			
14:34	1972	0	2.4	301.5	H2O	Pressure just before bump plug (final lift pressure)			
14:34	3006	0	2.4	301.5	H2O	Bump plug			
14:36	2996	0	0	0	H2O	Check floats (holding)			
14:46	1536	0	0	0	H2O	Casing test			
15:16	1646	0	0	0	H2O	End casing test			
15:20	0	0	0	0	0	Pre rig down JSA			

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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	6389 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
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	3006	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	25	646.5	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	 



**BJ Services JobMaster Program Version 3.50**

Job Number: 1001842920

Customer: EOG

Well Name: Critter Creek 34-16H

