

CEMENT JOB REPORT



CUSTOMER EOG Resources Inc.		DATE 09-JUL-10	F.R. # 1001845852	SERV. SUPV. RYAN SULLIVAN								
LEASE & WELL NAME CRITTER CREEK #18-20H - API 05123314310000		LOCATION 20-11N-83W		COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton		DRILLING CONTRACTOR RIG # DHS 8		TYPE OF JOB Surface								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES								
Cement Plug, Rubber, Top 9-5/8 in		Centralizer, with Pins, 9-5/8 in Float Collar, Auto Fill, 9-5/8 - 8rd		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
MATERIALS FURNISHED BY BJ				—	—	—	—	—	—	—		
Fresh water				0	8.34	0	0	00:00	109.5	—		
Type III + additives				645	14.5	1.40	6.82	01:30	160.8	104.56		
15 Bbls fresh water then drilling mud				0	8.34	0	0	00:00	109.5	—		
Type III + 2% CaCl on side if needed				100	14.5	1.39	6.81		24.76	16.22		
Available Mix Water 250 Bbl.		Available Displ. Fluid 250 Bbl.		TOTAL				404.56	120.77			
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE		
13.5	25	1460	9.625	36	CSG	1460	←	1460	1416	0		
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE		TOP	BTM	SIZE	THREAD	TYPE	WGT.	
16	84	—	60	No packer		0	0	9.625	8RD	WATER BASED MU	8.75	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER	
VOLUME	UOM	TYPE		BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator		
109.5	BBLs	15 Bbls fresh water t		453	0	0	0	0	2816	2816	Rig tank	
Circulation Prior to Job												
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 7 BPM				
Mud Density In: 8.75 LBS/G				Mud Density Out: 8.75 LBS/GAL				PV & YP Mud In: 43		PV & YP Mud Out: 43		
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"/>				
Displacement And Mud Removal												
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: .25 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"/> 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: 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												
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				
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								
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None												

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

Before cementing, rig crew did not want to chain down head until requested by customer. Did a poor job at first, had to encourage them to do it properly two more times.

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

Problems getting cement from bulk truck, had to shut-down several times to batch-up to weight. Plug got stuck in head before displacement, had to remove cap to push plug down. Could not get mud from rig, had to switch back to water for remainder of displacement. Did not bump plug, pumped calculated displacement plus half of shoe joint capacity and shut-down at customer request.

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	4566 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
08:10	0	0	0	0	N/A	Pre-rig up safety meeting	
09:05	0	0	0	0	N/A	Pre-job safety meeting	
10:03	1467	0	0	0	WATER	Low pressure test	
10:06	4566	0	0	0	WATER	High pressure test	
10:08	94	0	6	15	WATER	Freshwater	
10:15	110	0	4.8	165	CEMENT	Batch-up and pump 645 sx of Type III + 1% CaCl + 0.25 lbs/sk Cello Flake @ 14.5 ppg	
11:23	0	0	0	0	N/A	Drop plug	
11:40	90	0	7.2	80	WATER	Displace - Used freshwater only, could not get mud from rig. Approved by customer.	
12:00	400	0	4.8	15	WATER	Rate and pressure change	
12:05	433	0	2.4	16	WATER	Rate and pressure change	
12:16	555	0	0	111	N/A	Shut-down @ 111 bbls per customer request	

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:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	15	291	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

X DeePace



BJ Services JobMaster Program Version 3.20
Job Number: 1001645852
Customer: EOG Resources
Well Name: Critter Creek #16-20H

