

## M



CUSTOMER Kerr McGee Corp			DATE 25-FEB-11		F.R. # 1001767121		SERV. SUPV. AARON M MCWILLIAMS			
LEASE & WELL NAME RIVERBEND #24-13 - API 05123320280000			LOCATION 13-1N-67W			COUNTY-PARISH-BLOCK Weld Colorado				
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Workover			TYPE OF JOB Long String				
SIZE & TYPE OF PLUGS			LIST-CSG-HARDWARE			PHYSICAL SLURRY PROPERTIES				
Cement Plug, Rubber, Top 4-1/2 in		No Shoe		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	110	
Premium Lite + Additives				395	12.5	1.89	10.37	03:00	132.84	97.56
Fresh Water				0	8.34	0	0	00:00	20	
Mud Clean I				0	8.4	0	0	00:00	20	
Fresh Water				0	8.34	0	0	00:00	20	
Class "G"				100	15.8	1.15	4.96	00:00	20.51	11.80
Premium Lite Cement + Adds				255	11	3.22	19.86	00:00	146.05	120.56
Available Mix Water 480 Bbl.			Available Displ. Fluid 40 Bbl.			TOTAL			469.39	229.93
HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
8.25	0	7160	4.5	11.6	CSG	7160	N-80	0	0	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
8.625	24	CSG	953	No packer		0	0	0	4.5	8RD
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI	
VOLUME	UOM	TYPE		WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	MIX WATER
110	BBLs	Fresh Water		8.34	0	0	0	0	6224	3000 Frack tank
Circulation Prior to Job										
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					Circulation Time: 1			Circulation Rate: 5 BPM		
Mud Density In: 9 LBS/GAL Mud Density Out: 9 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: 0 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 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 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 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										



# 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)  
 N/A

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	4680 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
13:30	0	0	0	0	N/A	Pre rig up safety meeting	
14:20	0	0	0	0	N/A	Pre job safety meeting	
14:50	4680	0	0	0	H2O	Pressure test pumps and lines	
14:55	450	0	4.8	20	H2O	Fresh water preflush	
15:02	500	0	4.8	20	MUD CLEAN	Mud clean I	
15:06	520	0	4.8	20	H2O	Fresh water spacer	
15:12	375	0	4.8	130	CMT	Batch up and pump 255sks of PLC + 4% Bentonite + 0.6% SM + 8 lbs/sack CSE-2 11 ppg 3.22 yield 19.86 gps	
15:43	125	0	4.8	122	CMT	Batch up and pump 395sks of PLC + 0.25% R-3 + 0.4% FL-52 + 3% Bentonite 12.5 ppg 1.89 yield 10.37 gps	
16:10	170	0	3.6	14	CMT	Batch up and pump 100sks of Class G + 0.2% R-3 + 0.2% CD-32 + 0.4% FL-52 15.8ppg 1.15 Yield 4.96 MW	
16:20	0	0	0	0	N/A	Drop plug	
16:25	680	0	7.2	35	H2O	Displacement	
16:30	1080	0	4.8	45	H2O	Rate change	
16:40	1160	0	3.6	10	H2O	Rate change	
16:42	1360	0	2.4	20	H2O	Rate change	
16:49	0	0	0	0	H2O	Plug down @ 110bbl's	
16:52	1290	0	0	0	N/A	Closed in casing	
16:54	0	0	0	0	N/A	Rig down safety meeting	

BUMPED PLUG Y ☒ N 0  
 PSI TO BUMP PLUG  
 TEST FLOAT EQUIP. Y ☒ N 0  
 BBL.CMT RETURNS/ REVERSED  
 TOTAL BBL. PUMPED 319  
 PSI LEFT ON CSG 1290  
 SPOT TOP OUT CEMENT Y ☒ N

Service Supervisor Signature:

*[Signature]*  
*X Larry Neff*



BJ Services JobMaster Program Version 3.50

Job Number: 1001767121

Customer: Kerr McGee

Well Name: Riverbend #24-13

C990

