

# CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP			DATE 08-OCT-14		F.R. # 10011106071			SERV. SUPV. TRAVIS TOLMAN						
LEASE & WELL NAME RAZOR #21B-0910 - API 05123395320000			LOCATION 21-10N-58W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG #			TYPE OF JOB Intermediate								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
Cement Plug, Rubber, Top 7 in		Float Collar, Auto Fill, 7 - 8rd												
		Float Shoe 7 - 8rd												
		Centralizer, with Pins, 7 in												
MATERIALS FURNISHED BY BJ				LAB REPORT NO.				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
Ultra Flush II Spacer								0	10.5	0	0		20	
(35:65) + LW-6 + Adds								339	10.5	2.64	8.85		215	96.41
Fresh Water								0	8.34	0	0		233.30	
(35:65) + LW-6 + Adds								84	10.5	3.12	10.48		74.5	33.45
Available Mix Water 400 Bbl.			Available Displ. Fluid 280 Bbl.			TOTAL					542.80	129.87		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	0	6210	6.184	7	29	CSG	6197	6197	P-110	6197	6149	0		
LAST CASING			PKR-CMT RET-BR PL-LINER				PERF. DEPTH		TOP CONN		WELL FLUID			
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.	
8.9	9.63	36	CSG	1753	1753	No packer	0	0	0	7	8RND	WATER BASED	10.5	
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			
231.5	BBLS	Fresh Water		8.34	0	0	0	0	0	8976	3000	Frac tank		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 4 BPM						
Mud Density In: 10.5 LBS/G				Mud Density Out: 10.5 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"/>				
<b>Displacement And Mud Removal</b>														
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>				Amount Bled Back After Job: 1 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"/> 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: 30				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: 1522 PSI				With 10.5 LBS/GAL Mud				Time Held: 00 Hours 15 Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None														

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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	4794 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
09:05	0	0	0	0	N/A	Leave district	
11:25	0	0	0	0	N/A	Arrive on location, 104 miles, rig running casing	
12:55	0	0	0	0	N/A	Spot trucks	
13:00	0	0	0	0	N/A	Pre rig up safety meeting	
15:30	0	0	0	0	N/A	Pre job safety meeting	
15:50	118	0	1	2	H2O	Load lines	
15:55	4794	0	0	0	H2O	Pressure test pump & lines	
16:06	208	0	2.7	20	H2O	Ultra Flush spacer @ 10.5#	
16:20	795	0	6.3	215	CMT	Batch, weigh, pump cement @ 10.5# (339 sks)	
17:04	561	0	6.3	74.5	CMT	Pump Tail cement @ 10.5# (84 sks)	
17:21	0	0	0	0	N/A	Down, drop plug	
17:29	787	0	6.2	115	MUD	Displacement (228.4 bbls)	
17:58	621	0	4	100	MUD	Slow rate	
18:23	555	0	2.7	16.5	MUD	Slow rate	
18:31	1122	0	0	0	N/A	Bump plug (231.5 bbls) Company man on pump, OK to pump more	
18:34	1522	0	1	1.5	H2O	Casing test	
18:49	0	0	0	0	N/A	Check float, lost alot of pressure re-test	
18:53	1521	0	1	1.5	H2O	Redo casing test	
19:13	1279	0	0	0	N/A	Bleed off, Company man said OK	
19:17	0	0	0	0	N/A	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	Service Supervisor Signature:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	555	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	158	551	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

