

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 01-JAN-13	F.R. # 1001956332		SERV. SUPV. AARON M MCWILLIAMS									
LEASE & WELL NAME RAZOR #27-3414H - API 05123361300000		LOCATION 27-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 21		TYPE OF JOB Surface										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD			
Cement Plug, Rubber, Top 9-5/8 in		Float Shoe 9-5/8 - 8rd		None		0	0	None		0	0			
None		Float Collar, Auto Fill, 9-5/8 - 8rd		None		0	0	None		0	0			
		Cement Basket, Slip On, 9-5/8 in		None		0	0	None		0	0			
		Centralizer, with Pins, 9-5/8 in												
MATERIALS FURNISHED BY BJ				LAB REPORT NO.				PHYSICAL SLURRY PROPERTIES						
								SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh water				0				0	8.34	0	0	00:00	15	
Typelll+1%CaCl+.25CF				C01-005-13				719	14.5	1.40	6.81	03:34	179.50	116.54
Fresh water				0				0	8.34	0	0	00:00	116.5	
Available Mix Water 500 Bbl.				Available Displ. Fluid 250 Bbl.				TOTAL				311.00	116.54	
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
13.5	35	1560	8.921	9.625	36	CSG	1550	1550	J-55	1550	1507	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.	
						No packer	0			9.625	8RD	WATER BASED	9.2	
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				
116	BBLS	Fresh water	8.34	482	0	0	0	0	2816	2000	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: 9.2 LBS/GAL			Mud Density Out: 9.2 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: 1 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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			Quantity: 11			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 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														

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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	EXPLANATION				
	PIPE	ANNULUS				SAFETY MEETING: BJ CREW	<input checked="" type="checkbox"/>	CO. REP.	<input checked="" type="checkbox"/>	TEST LINES
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/>	BJ	<input type="checkbox"/>	
22:00	0	0	0	0	N/A	Yard call				
00:00	0	0	0	0	N/A	Leave yard				
02:00	0	0	0	0	N/A	Arrive on location 100 miles Rig running casing				
06:50	0	0	0	0	N/A	Spot trucks				
06:55	0	0	0	0	N/A	Rig up safety meeting				
08:15	0	0	0	0	N/A	Pre job safety meeting				
08:40	3520	0	0	0	H2O	Pressure test pumps and lines				
08:45	183	0	4.8	15	H2O	Dyed preflush				
08:52	352	0	4.8	170	CMT	Batch up and pump 719 sks of Type III + 0.08 lbs/sack Static Free + 1% Calcium Chloride + .25 lbs/sack Cello Flake 14.5 ppg 1.40 yield 6.81 gps				
09:44	0	0	0	0	N/A	Drop plug				
09:50	670	0	6	80	H2O	Displacement				
10:05	665	0	4.8	25	H2O	Displacement Rate change				
10:09	557	0	2.4	11	H2O	Displacement Rate change				
10:13	604	0	2.4	116	H2O	Bump plug				
10:13	1020	0	0	0	N/A	Plug down @ 116 bbl's 40 bbl's of cmt back				
10:16	0	0	0	0	N/A	Check float 1 bbl back				
10:20	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	1020	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	40	301	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	