

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 09-SEP-13	F.R. # 10011012508		SERV. SUPV. COLE W MARRIOTT		
LEASE & WELL NAME RAZOR #21A-2814B - API 05123378450000		LOCATION 21-10N-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	
Cement Plug, Rubber, Top 9-5/8 in		Float Collar, Dif Fill, 9-5/8 - 8rd					
		Float Shoe/Circ Dif 9-5/8 - 8rd					
PHYSICAL SLURRY PROPERTIES							
MATERIALS FURNISHED BY BJ		LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	
Fresh water		0	0	8.34	0	0 00:00	
TypeIII+1%CaCl+.25CF		0	710	14.5	1.40	6.81 01:30	
Fresh water		0	0	8.34	0	0 00:00	
Available Mix Water 500 Bbl.		Available Displ. Fluid 200 Bbl.		TOTAL		312.86 115.08	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE
13.5	25	1600	8.921	9.625	36	CSG	1600 1600 J-55
							SHOE 1660
							FLOAT 1613
							STAGE 0
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH TOP BTM
						No Packer	0 9.625 8RD
						SIZE 9.625	
						THREAD 8RD	
						TYPE WATER BASED	
						WGT. 8.4	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
124.7	BBLS	Fresh water	8.34	493	0	0	0
						MAX TBG PSI 0	
						MAX CSG PSI 2816	
						Operator 1000	
						MIX WATER RIG	
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: 8.6 LBS/GAL Mud Density Out: 8.6 LBS/GAL				PV & YP Mud In: 0		PV & YP Mud Out: 0	
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: .5 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: 10		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	
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Quantity:	
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	
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			

CEMENT JOB REPORT



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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: 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 3093 PSI									
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>									
12:00	0	0	0	0	N/A	Arrive on location 118 miles									
20:00	0	0	0	0	N/A	Spot trucks rig running casing									
20:10	0	0	0	0	N/A	Pre rig up safety meeting									
00:20	0	0	0	0	N/A	Pre job safety meeting									
00:42	3093	0	0	0	N/A	Pressure test									
00:45	24	0	4.8	20	N/A	Fresh water									
00:48	20	0	4.8	10	N/A	Dyed spacer									
00:51	49	0	3.6	173	CMT	Batch up weigh and pump 710 sxs of cement @ 14.5 ppg									
01:39	0	0	0	0	N/A	Drop plug									
01:45	486	0	6	100	H2O	Displacement fresh water, rig could not send cone water to use like they wanted									
02:02	563	0	4.8	10	H2O	Slow rate									
02:06	550	0	3.6	15	H2O	Bump plug									
02:09	1046	0	0	0	N/A	Plug down									
BUMPED PLUG <input type="checkbox"/> Y <input type="checkbox"/> N		PSI TO BUMP PLUG 550		TEST FLOAT EQUIP. <input type="checkbox"/> Y <input type="checkbox"/> N		BBL.CMT RETURNS/ REVERSED 30		TOTAL BBL. PUMPED 328		PSI LEFT ON CSG 0		SPOT TOP OUT CEMENT <input type="checkbox"/> Y <input type="checkbox"/> N		Service Supervisor Signature: 	