

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 20-APR-13	F.R. # 1001981322		SERV. SUPV. BARLEN M JOYNER									
LEASE & WELL NAME RAZOR #33-2813H - API 05123365790000		LOCATION 33-10N-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 Collar, AI Flap, 9-5/8 - 8rd		NONE		0	0	NONE	0	0				
		Float Shoe 9-5/8 - 8rd												
		Cement Basket, Slip On, 9-5/8 in												
		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 FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
Fresh water		0		0	8.34	0	0	00:00	20					
TypeIII+1%CaCl+.25CF		0		750	14.5	1.40	6.81	01:30	187.01	121.41				
Fresh water		0		0	8.34	0	0	00:00	120.4					
Fresh Water + Dye		0		0	8.34	0	0	00:00	10					
Available Mix Water 500 Bbl.		Available Displ. Fluid 400 Bbl.		TOTAL		337.41		121.41						
HOLE		TBG-CSG-D.P.					COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
13.5	0	1580	8.921	9.625	36	CSG	1560	1560	J-55	1560	1516	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 LINER					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			
120.4	BBLS	Fresh water		8.34	500	0	0	0	0	2816	1000	RIG 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: 9.2 LBS/GAL Mud Density Out: 9.2 LBS/GAL						PV & YP Mud In: 35			PV & YP Mud Out: 35					
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"/> RECIPROCATION <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								
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) CREW COULD NOT CLOCK IN TILL CUSTOMER'S REQUESTED ON LOCATION.									
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 2816 PSI			
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			
02:30	0	0	0	0	N/A	YARD CALL			
06:05	0	0	0	0	N/A	ARRIVE ON LOCATION (98 MILES) 10 JOINTS LEFT TO RUN			
07:30	0	0	0	0	N/A	SPOT TRUCKS			
07:46	0	0	0	0	N/A	PRE-RIG UP SAFETY MEETING			
08:20	0	0	0	0	N/A	SAFETY MEETING			
08:47	2816	0	0	0	WATER	PRESSURE TEST			
08:50	205	0	6	20	WATER	FRESH WATER SPACER			
08:55	185	0	6	10	WATER	FRESH WATER + DYE			
08:58	254	0	4.7	187	CMT	BATCH UP, WEIGH AND PUMP 750 SX OF TYPE III + 0.08 LBS/SACK STATIC FREE + 1% CACL2 + 0.25 LBS/SACK CELLO FLAKE @ 14.5 PPG			
09:44	0	0	0	0	N/A	RELEASE PLUG			
09:46	185	0	7.2	90	WATER	START DISPLACEMENT			
10:02	551	0	6	10	WATER	DROP RATE			
10:04	526	0	4.8	10	WATER	DROP RATE			
10:06	542	0	3.6	10	WATER	DROP RATE			
10:10	519	0	3.6	120	WATER	BUMP PLUG			
10:10	797	0	0	0	N/A	PLUG DOWN @ 120 BBLS			
10:12	0	0	0	0	N/A	PRE-RIG DOWN SAFETY MEETING			
11:00	0	0	0	0	N/A	TIME OFF LOCATION			
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 519	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 35	TOTAL BBL. PUMPED 337	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature: 		