

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP			DATE 08-OCT-13		F.R. # 10011018279			SERV. SUPV. RYAN SULLIVAN						
LEASE & WELL NAME RAZOR #271-3414B - API 05123379010000			LOCATION 27-10N-58W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Cade 23			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 Shoe 7 - 8rd												
		Float Collar, Auto Fill, 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 FT³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Ultra Flush II Spacer						24	10.5	4.72	32.49	00:00	20	18.40		
(35:65) + LW-6 + Adds						307	10.5	2.64	8.86	05:52	144.32	64.80		
Fresh Water						0	8.34	0	0	00:00	224.3			
(35:65) + LW-6 + Adds						97	10.5	3.12	10.49	03:57	53.93	24.24		
Available Mix Water 450 Bbl.			Available Displ. Fluid 500 Bbl.			TOTAL			442.55		107.44			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	20	6090	6.184	7	29	CSG	6080	5700	P-110	6080	6037	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	1614	1614	no packer		0	0	0	7	8RD	WATER BASED	9
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			
224.3	BBLS	Fresh Water		8.34	460	0	0	0	0	8976	3000	Frac Tank		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 6 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 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: 1.5 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: 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														
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: 1540 PSI				With 9 LBS/GAL Mud				Time Held: 00 Hours 30 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 4521 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
23:30	0	0	0	0	N/A	Arrive on location, 100 miles, rig running casing	
02:50	0	0	0	0	N/A	Spot trucks on location, pre-rig up safety meeting	
03:50	0	0	0	0	N/A	Pre-job safety meeting	
04:11	97	0	.8	1	WATER	Load lines	
04:13	3416	0	0	0	WATER	Low pressure test	
04:14	4521	0	0	0	WATER	High pressure test	
04:20	50	0	2.4	20	ULTRA FLU	Ultra flush spacer	
04:36	750	0	5.8	152	CEMENT	Batch-up, weigh, & pump 307 sx of (35:65) Poz:G + 0.06 lbs/sk Static Free + .1% R-3 + 46.46% LW-6 + 1.2% FL-25 + 0.5% SMS + 5% CSE-2 @ 10.5 ppg	
05:10	174	0	4.7	60	CEMENT	Mix & pump 97 sx of (35:65) + 0.06 lbs/sk Static Free + 54.44% LW-6 + 1.2% FL-25 + 0.5% SMS + 20% S-8 + 5% CSE-2 @ 10.5 ppg	
05:24	0	0	0	0	N/A	Release plug	
05:32	375	0	6	135	MUD	Displace	
05:56	706	0	4.2	35	MUD	Rate change	
06:06	628	0	2.4	10	MUD	Rate change	
06:09	1014	0	4.8	40	MUD	Rate change	
06:27	1250	0	3.6	220	MUD	Bump plug to 2131 psi, 1.5 bbls bled back, floats held, 30 bbls cement to surface	
06:44	1540	0	0	1	MUD	Casing test for 30 minutes	
07:20	0	0	0	0	N/A	Pre-rig down safety meeting	
08:15	0	0	0	0	N/A	Leave location	

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	1250	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	30	452	0	Y <input checked="" type="checkbox"/> N	