

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 04-DEC-13		F.R. # 10011030586		SERV. SUPV. RYAN R STEVENS	
LEASE & WELL NAME RAZOR #21C-2808B - API 05123378380000		LOCATION 21-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 21		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		Centralizer, with Pins, 7 in		None		0 0 None 0 0	
		Float Collar, Al Flap, 7 - 8rd					
		Float Shoe 7 - 8rd					
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				0	10.5	0	00:00
(35:65) + LW-6 + Adds				313	10.5	2.64	147.15
Drilling mud				0	9.7	0	228.7
(35:65) + LW-6 + Adds				107	10.5	3.12	59.48
Available Mix Water 500 Bbl.				Available Displ. Fluid 500 Bbl.		TOTAL 455.33 92.80	
HOLE				TBG-CSG-D.P.			
SIZE	% EXCESS	DEPTH	ID OD	WGT.	MD TVD	GRADE	SHOE
8.75	0	6218	6.184 7	29 CSG	6202	5392 P-110	6202
				FLOAT STAGE			
				6158 0			
LAST CASING				PKR-CMT RET-BR PL-LINER			
ID	OD	WGT	TYPE	MD TVD	BRAND & TYPE	DEPTH	TOP BTM
8.9	9.63	36	CSG	1600 1600	No Liner	0	0 0
				PERF. DEPTH			
				7 8RD			
				TOP CONN			
				WATER BASED			
				WELL FLUID			
				9.7			
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
228.7	BBLs	Drilling mud	9.7	690	0	0	0
				Operator	MAX CSG PSI	Operator	MIX WATER
				8976	3000		Rig tank
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1.5			
Mud Density In: 9.7 LBS/GAL				Mud Density Out: 9.7 LBS/GAL			
PV & YP Mud In: 15				PV & YP Mud Out: 15			
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: 2.5 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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: 20			
				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 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: 2038 PSI				With 8.34 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	4611 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
19:00	0	0	0	0	N/A	Yard call	
21:12	0	0	0	0	N/A	Time left district	
23:40	0	0	0	0	N/A	Time arrived on location (110 Miles to location) Rig starting to run CSG	
09:55	0	0	0	0	N/A	Spot trucks	
10:12	0	0	0	0	N/A	Pre rig up safety meeting	
12:53	0	0	0	0	N/A	Pre job safety meeting	
13:21	4611	0	0	0	WATER	Pressure Test	
13:25	801	0	4	20	SPACER	Ultra flush II	
13:25	509	0	6.1	146	CEMENT	Batch up weigh and pump 313 SXS of 35:65 POZ/G + 0.06 Lbs/sack Static free + 0.1% R-3 + 46.46% LW-6 + 1.2% FL-25 + 0.5% SMS + 5% CSE-2 @ 10.5 PPG	
14:50	0	0	3.9	59	CEMENT	Batch up weigh and pump 107 SXS of 35:65 Poz/G + 0.06% LBS/Sack Static freww + 54.44% LW-6 + 1.2% FL-25 + 0.5% SMS +20% Silca sand +5% CSE-2 @ 10.5 PPG	
15:08	0	0	0	0	N/A	Drop plug	
15:15	1011	0	6	110	MUD	Start displacement	
15:34	790	0	4.8	100	MUD	Drop rate	
15:53	890	0	2.4	10	MUD	Drop rate	
16:00	1860	0	2.4	220	MUD	Bump plug	
16:03	0	0	0	0	N/A	Check floats	
16:06	2038	0	0	0	WATER	Casing test	
	0	0	0	0	N/A	Bleed off pressure	
	0	0	0	0	N/A	Pre 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	1860	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	18	445	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



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