

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 08-OCT-14		F.R. # 10011106071		SERV. SUPV. TRAVIS TOLMAN	
LEASE & WELL NAME RAZOR #21B-0910 - API 05123395320000		LOCATION 21-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG #		TYPE OF JOB Intermediate			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD
Cement Plug, Rubber, Top 7 in		Float Collar, Auto Fill, 7 - 8rd					
		Float Shoe 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
Ultra Flush II Spacer				0	10.5	0	0
(35:65) + LW-6 + Adds				339	10.5	2.64	8.85
Fresh Water				0	8.34	0	0
(35:65) + LW-6 + Adds				84	10.5	3.12	10.48
Available Mix Water 400 Bbl.		Available Displ. Fluid 280 Bbl.		TOTAL		542.80	129.87
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
8.75	0	6210	6.184	7	29	CSG	6197
				TVD	GRADE	SHOE	FLOAT
				6197	P-110	6197	6149
				STAGE	0		
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH
8.9	9.63	36	CSG	1753	1753	No packer	0
				TOP	BTM	SIZE	THREAD
				0	0	7	8RND
				TYPE	WGT.	WATER BASED 10.5	
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
231.5	BBLS	Fresh Water	8.34	0	0	0	0
				Operator	RATED	Operator	MIX WATER
				8976	3000	Frac tank	
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1		Circulation Rate: 4 BPM	
Mud Density In: 10.5 LBS/G Mud Density Out: 10.5 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: 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: 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: 1522 PSI With 10.5 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	4794 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
09:05	0	0	0	0	N/A	Leave district	
11:25	0	0	0	0	N/A	Arrive on location, 104 miles, rig running casing	
12:55	0	0	0	0	N/A	Spot trucks	
13:00	0	0	0	0	N/A	Pre rig up safety meeting	
15:30	0	0	0	0	N/A	Pre job safety meeting	
15:50	118	0	1	2	H2O	Load lines	
15:55	4794	0	0	0	H2O	Pressure test pump & lines	
16:06	208	0	2.7	20	H2O	Ultra Flush spacer @ 10.5#	
16:20	795	0	6.3	215	CMT	Batch, weigh, pump cement @ 10.5# (339 sks)	
17:04	561	0	6.3	74.5	CMT	Pump Tail cement @ 10.5# (84 sks)	
17:21	0	0	0	0	N/A	Down, drop plug	
17:29	787	0	6.2	115	MUD	Displacement (228.4 bbls)	
17:58	621	0	4	100	MUD	Slow rate	
18:23	555	0	2.7	16.5	MUD	Slow rate	
18:31	1122	0	0	0	N/A	Bump plug (231.5 bbls) Company man on pump, OK to pump more	
18:34	1522	0	1	1.5	H2O	Casing test	
18:49	0	0	0	0	N/A	Check float, lost alot of pressure re-test	
18:53	1521	0	1	1.5	H2O	Redo casing test	
19:13	1279	0	0	0	N/A	Bleed off, Company man said OK	
19:17	0	0	0	0	N/A	Rig down safety meeting	
BUMPED PLUG <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG 555	TEST FLOAT EQUIP. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 158	TOTAL BBL. PUMPED 551	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N	Service Supervisor Signature:

