

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 24-MAY-14		F.R. # 10011070806		SERV. SUPV. Anthony J Staples	
LEASE & WELL NAME RAZOR FEDERAL #26L-2301A - API 0512337986000		LOCATION 26-10N-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
		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
Ultra Flush II Spacer		0		0	10.5	0	00:00
(35:65) + LW-6 + Adds				317	10.5	2.64	08:40
Mud		0		0	10.2	0	00:00
(35:65) + LW-6 + Adds				120	10.5	3.12	00:00
Available Mix Water 500 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL		457.03	96.78
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
8.75	32	6024	6.184	7	29	CSG	6001
						GRADE	SHOE
						P-110	6001
						FLOAT	STAGE
						5956	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	1530	1530	no packer	0
						TOP	BTM
						0	0
						SIZE	THREAD
						7	8RD
						TYPE	WGT.
						WATER BASED	10.2
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
221.3	BBLS	Mud	10.2	93	0	0	0
						Operator	MAX CSG PSI
						7968	3000
						Operator	MIX WATER
							rig
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
Mud Density In: 10.2 LBS/G				Mud Density Out: 10.2 LBS/GAL			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>				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			
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID			
Plugs							
Number of Attempts by BJ: 0				Competition: 0			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Wiper Balls Used: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Parabow Used: <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: 1538 PSI				With 10.2 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 4283 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
11:20	0	0	0	0	N/A	Arrive on location (121 miles Rig Running Casing)
11:35	0	0	0	0	N/A	Spot Trucks
11:40	0	0	0	0	N/A	Pre-Rig Safety Meeting
12:50	0	0	0	0	N/A	Pre-Job Safety Meeting
13:18	27	0	.8	1.5	H2O	Load Lines
13:29	4283	0	0	0	H2O	Pressure test
13:31	263	0	2	10	SPACER	Fresh water
13:38	354	0	3.3	19	SPACER	10.5# Barite w/ultraflush II
13:47	631	0	5.9	160	CMT	Batch, Weigh, and Pump 10.5# (35:65) Poz Class G + .06 lbs/sks static free + .1% R-3 + 46.6% LW-6 + 1.2% FL-25 + .5% SMS+ 5% CSE-2
14:43	253	0	4.8	70.2	CMT	Pump 10.5# (35:65) Poz Class G + .06 lbs/sks static free + 54.44% LW-6 + 1.2% FL-25 + .5% SMS+ 20% Silica Sand, 100 Mesh, sacked + 5% CSE-2
15:05	0	0	0	0	N/A	Shut Down
15:13	0	0	0	0	H2O	Drop Plug
15:13	984	0	5.8	150	MUD	Displacement
15:40	833	0	4.8	50	MUD	Rate Change
15:51	681	0	3.3	21	MUD	Rate Change
15:58	1538	0	0	0	N/A	Bump Plug @ 221 bbls
16:00	0	0	0	0	N/A	Check Floats 1 bbl back
16:01	1538	0	0	0	MUD	Casing Test
16:17	0	0	0	0	N/A	Bleed Off 1617psi
16:18	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	833	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	40	482	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

