

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP			DATE 13-MAY-14			F.R. # 10011067128			SERV. SUPV. RYAN R STEVENS						
LEASE & WELL NAME RAZOR FEDERAL #26L-2303A - API 0512337989001						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	HANGER TYPES		MD	TVD		
Cement Plug, Rubber, Top 7 in		Float Collar, Al Flap, 7 - 8rd			None			0	0	None		0	0		
		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	0	00:00	20	
(35:65) + LW-6 + Addis									317	10.5	2.64	8.85		149.02	66.83
Drilling mud									0	10.1	0	0	00:00	218.65	
(35:65) + LW-6 + Addis									94	10.5	3.12	10.48		52.26	23.46
Available Mix Water 500 Bbl.						Available Displ. Fluid 500 Bbl.			TOTAL			439.93	90.29		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE			
8.75	0	5995	6.184	7	29	CSG	5886	5886	N-80	5886	5839	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	1517	1517	No Liner	0	0	0	7	8RD	WATER BASED	10.1		
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					
218.6	BBLS	Drilling mud	10.1	659	0	0	0	0	6528	3000	Rig tank				
Circulation Prior to Job															
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 7 BPM						
Mud Density In: 10.1 LBS/G Mud Density Out: 10.1 LBS/GAL						PV & YP Mud In: 7			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: 1 BBLS									
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns:									
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 type="checkbox"/> BOW <input type="checkbox"/> RIGID						
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input 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: 0 PSI						With 0 LBS/GAL Mud			Time Held: 00 Hours 00 Minutes						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None															
PRESSURE/RATE DETAIL						EXPLANATION									

CEMENT JOB REPORT



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 4081 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
10:00	0	0	0	0	N/A	Yard call	
18:05	0	0	0	0	N/A	Time left district	
20:31	0	0	0	0	N/A	Time arrived on location (rig Just beginning to run CSG)	
05:12	0	0	0	0	N/A	Rig rigging down casing crew	
05:30	0	0	0	0	N/A	Spot trucks	
05:45	0	0	0	0	N/A	Pre rig up safety meeting	
06:45	0	0	0	0	N/A	Pre job safety meeting	
07:17	4081	0	0	0	WATER	Pressure test	
07:18	520	0	7.2	10	WATER	Fresh water spacer	
07:35	210	0	3.8	20	SPACER	Ultra Flush II	
07:53	290	0	5	151	CEMENT	Batch up, weigh and pump 3127 SXS (35:65) POZ (Fly Ash): Class G Cement + 0.06 Lbs/Sack Static Free + 0.1% R-3 + 46.46% LW-6 + 1.2% FL-52 + 0.5% SMS + 5% CSE-2 @ 10.5 PPG	
08:37	0	0	3.6	56	CEMENT	Batch up, weigh and pump 94 SXS of (35:65) POZ (Fly Ash) Class G + 0.06 LBS/Sack Static free + 54.44% LW-6 + 1.2 FL-25 + 0.5 SMS + 20% Silca Sand, 100 Mesh + 5% CSE-2 @ 10.5 PPG	
08:56	0	0	0	0	N/A	Shut down drop plug	
09:01	915	0	6	150	MUD	Displacement	
09:25	945	0	5	70	MUD	Drop rate	
09:41	628	0	2.4	4	MUD	Drop rate	
09:49	1578	0	2.4	224	MUD	Bump plug @ 224 Bbls away per inventory tanks	
10:00	0	0	0	0	N/A	Check Floats Casing test was good	
10:02	0	0	0	0	N/A	Pre rig down safety meeting	
11:10	0	0	0	0	N/A	Time off 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	1578	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	22	461	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	