

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 25-JUL-14	F.R. # 10011085775		SERV. SUPV. Anthony J Staples									
LEASE & WELL NAME RAZOR #25B-2549 - API 05123391190000		LOCATION 25-10N-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								
Ultra Flush II Spacer				0	10.5	0								
(35:65) + LW-6 + Addis				300	10.5	2.64								
Fresh Water				0	8.34	0								
(35:65) + LW-6 + Addis				110	10.5	3.12								
Available Mix Water <u>300</u> Bbl.		Available Displ. Fluid <u>300</u> Bbl.		TOTAL		Bbl Bbl MIX WATER								
				453.18		90.70								
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	30	6153	6.184	7	29	CSG	6133	6133	P-110	6133	6087	1		
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	1519	1519	No Packer		0	0	0	7	8RD	WATER BASED	10.3
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			
231	BBLS	Fresh Water		8.34	63	0	0	0	0	7968	3000	Frac Tank		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 3.5 BPM						
Mud Density In: 10.3 LBS/G				Mud Density Out: 10.3 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: .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: 15				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: 0 PSI				With 0 LBS/GAL Mud				Time Held: 00 Hours 00 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 4305 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
09:08	0	0	0	0	N/A	Arrive on Location (119 Miles Rig Running Casing)	
11:22	0	0	0	0	N/A	Spot Trucks	
11:35	0	0	0	0	N/A	Pre-Rig Safety Meeting	
12:47	0	0	0	0	N/A	Pre-Job Safety Meeting	
13:13	224	0	.8	1	H2O	Load Lines	
13:15	4305	0	0	0	H2O	Pressure Test	
13:24	450	0	3.5	20	H2O	10.5# Barite Spacer	
13:37	0	0	0	0	N/A	Shut Down to Advise Customer about Rig Pump Being unable to Pump at best 3 bpm and how pumping slow could effect the Cement Job	
13:44	246	0	2.6	173	CMT	Batch, Weigh, and Pump 10.5# 35:65 Poz(Fly Ash): Class G + .06 lbs/sk Static Free + .1% R-3 + 46.46% LW-6 + 1.2% FL-25 + .5% SMS + 5% CSE-2	
14:50	262	0	3	80	CMT	Pump 10.5# 35:65 Poz(Fly Ash): Class G + .06 lbs/sk Static Free + 54.44% LW-6 + 1.2% FL-25 + .5% SMS + 20% Silica Sand, 100 Mesh Sacked + 5% CSE-2	
15:22	0	0	0	0	N/A	Shut Down/Wash Up Mixing Tub	
15:31	0	0	0	0	H2O	Drop Plug	
15:31	249	0	4.8	150	MUD	Displace	
16:08	402	0	2	30	MUD	Rate Change	
16:23	700	0	4.8	35	MUD	Rate Change	
16:32	510	0	2.5	13	H2O	Rate Change	
16:39	0	0	0	0	H2O	Shut down after not bumping 228 Bbls	
16:43	500	0	1	1	H2O	Customer had 1 more bbl Pumped did not Bump	
16:46	520	0	1	2	H2O	Pumped another 2 Bbls per Customer Request Did not Bump	
16:48	0	0	0	0	H2O	Check Floats .5Bbl Back	
16:51	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:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	76	504	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

