

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
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	WATER GPS
Ultra Flush II Spacer				0	10.5	0	00:00
(35:65) + LW-6 + Adds				300	10.5	2.64	141.03
Fresh Water				0	8.34	0	231
(35:65) + LW-6 + Adds				110	10.5	3.12	61.15
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL		453.18	90.70
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
8.75	30	6153	6.184	7	29	CSG	6133
				TVD	GRADE	SHOE	FLOAT
				6133	P-110	6133	6087
				STAGE	1		
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	1519	1519	No Packer	0
				TOP	BTM	SIZE	THREAD
				0	0	7	8RD
				TYPE	WGT.	WATER BASED 10.3	
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	BBLS	Fresh Water	8.34	63	0	0	0
				Operator	RATED	Operator	MIX WATER
				7968	3000	Frac Tank	
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
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"/> 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: 15			
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			
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 checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	76	504	0	Y <input checked="" type="checkbox"/> N	

