

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 23-APR-13	F.R. # 1001982024	SERV. SUPV. COLE W MARRIOTT										
LEASE & WELL NAME RAZOR #33-2813H - API 05123365790000		LOCATION 33-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 21		TYPE OF JOB Intermediate										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES	MD	TVD				
7" Top Cem Plug, Nitrile cvr, Phen		Float Collar, AI Flap, 7 - 8rd												
		Float Shoe 7 - 8rd												
MATERIALS FURNISHED BY BJ				PHYSICAL SLURRY PROPERTIES										
				LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER			
Ultra Flush II Spacer				0	0	10.5	0	0	00:00	40				
(35:65) Poz:G+LW6+.1%R3+1.2%FL25+.5%SMS+5%				0	317	10.5	2.64	8.86		149.03	66.91			
Fresh Water				0	0	8.34	0	0	00:00	224.08				
(35:65) Poz:G+LW6+1.2%FL25+.5%SMS+20%SS+5%				0	110	10.5	3.12	10.50		61	27.40			
Available Mix Water		900	Bbl.	Available Displ. Fluid		300	Bbl.	TOTAL		474.11	94.31			
HOLE			TBG-CSG-D.P.					COLLAR DEPTHS						
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	35	6146	6.184	7	29	CSG	6128	5775	P-110	6128	6081	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	1550	1550	No packer		0	0	0	7	8RD	WATER BASED	9.7
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	Rig			
225.4	BBLS	Fresh Water	8.34	252	0	0	0	0	7968	3000				
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>			Mud Density In: 9.7 LBS/GAL			Mud Density Out: 9.7 LBS/GAL			Circulation Time: 3		Circulation Rate: 5 BPM			
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			Units:			PV & YP Mud In: 14			PV & YP Mud Out: 14					
						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"/>			Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL			Amount Bled Back After Job: 1.5 BBLS			Method Used to Verify Returns: Visual					
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE			Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES								
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD			Quantity: 10			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			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: 1502 PSI			With 9.7 LBS/GAL Mud			Time Held: 00 Hours 15 Minutes								
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None														
PRESSURE/RATE DETAIL						EXPLANATION								

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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	CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>														
						TEST LINES 4151 PSI															
06:20	0	0	0	0	N/A	Arrive on location 102 miles															
06:40	0	0	0	0	N/A	Spot trucks rig ready for service															
06:50	0	0	0	0	N/A	Pre rig up safety meeting															
07:45	0	0	0	0	N/A	Pre job safety meeting															
08:37	4151	0	0	0	H2O	Pressure test															
08:48	461	0	6	20	H2O	Ultra flush II spacer															
09:00	657	0	6	154	CMT	Batch up weigh and pump 317 sxs of LW-6 Cement @ 10.5 PPG															
09:32	354	0	5	66	CMT	Batch up weigh and pump 110 sxs of LW-6 Cement @ 10.5 PPG tail with different additives than lead															
09:50	0	0	0	0	N/A	Drop plug															
09:54	1098	0	4.8	225	MUD	Displacement															
10:41	1098	0	0	0	N/A	Plug down															
10:45	1502	0	2.4	1	H2O	Casing test															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">BUMPED PLUG</td> <td style="width: 10%;">PSI TO BUMP PLUG</td> <td style="width: 10%;">TEST FLOAT EQUIP.</td> <td style="width: 10%;">BBL.CMT RETURNS/ REVERSED</td> <td style="width: 10%;">TOTAL BBL. PUMPED</td> <td style="width: 10%;">PSI LEFT ON CSG</td> <td style="width: 10%;">SPOT TOP OUT CEMENT</td> <td style="width: 40%;">Service Supervisor Signature:</td> </tr> <tr> <td><input checked="" type="checkbox"/> Y <input type="checkbox"/> N</td> <td>1098</td> <td><input checked="" type="checkbox"/> Y <input type="checkbox"/> N</td> <td>30</td> <td>466</td> <td>0</td> <td><input checked="" type="checkbox"/> Y <input type="checkbox"/> N</td> <td></td> </tr> </table>						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	1098	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	30	466	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	
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