

# CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 22-FEB-13	F.R. # 1001967513	SERV. SUPV. STEVEN S ISCHE			
LEASE & WELL NAME CHURCH #36-2523H - API 05123360530000		LOCATION 36-10N-60W		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		700-LAP-PVTS Float Collar, 7 inch					
		Float Shoe 7 - 8rd					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS		
Ultra Flush II Spacer			10.5				
(35:65) Poz:G+LW6+.1%R3+1.2%FL25+.5%SMS+5%C		376	10.5	2.64	8.86		
Fresh Water			8.34				
(35:65) Poz:G+LW6+1.2%FL25+.5%SMS+20%SS+5%(		105	10.5	3.12	10.49		
Available Mix Water 500 Bbl.		Available Displ. Fluid 500 Bbl.		TOTAL			
				528.68	105.60		
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE
8.75	0	6875	6.184	7	29	CSG	6865 6484 P-110
							SHOE 6865
							FLOAT 6821.8
							STAGE 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	1560	1560		0
						TOP	BTM
						0	0
						SIZE 7	THREAD 8RD
						WELL FLUID	
						TYPE WATER BASED	
						WGT. 9.6	
DISPL. VOLUME		DISPL. FLUID		CAL. PSI		CAL. MAX PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
253.5	BBLs	Fresh Water	8.34	767	0	0	0
						MAX TBG PSI	
						MAX CSG PSI	
						Operator	
						RATED	
						Operator	
						11220 8976	
						frac tank	
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 3		Circulation Rate: 4 BPM	
Mud Density In: 9.6 LBS/GAL Mud Density Out: 9.6 LBS/GAL				PV & YP Mud In: 11		PV & YP Mud Out: 11	
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> Units: 900				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: 2 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 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: 32		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: 1500 PSI With 8.34 LBS/GAL Mud				Time Held: 00 Hours 30 Minutes			
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:							
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	5389 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
10:43						leave yard	
12:53						arrive on location	
13:13						rig up safty meating	
15:45						safty meating was delayed waiting for tail cement to arrive at yard to be loaded	
16:30						pressure test 5389 psi	
16:35	242		2.4	20	SPACER	ultra flush system spacer	
17:08						batch up lead cement	
17:12	354		5.2		CEMENT	lead cement	
17:52	52		5.2		CEMENT	tail cement	
18:31	426		6		WATER	start displacement	
19:10	1265		3.6		WATER	rate change	
19:19	1083		2		WATER	rate change	
19:21	2215		0		WATER	bump plug	
19:30	1500				WATER	casing test	
20:00	0					bleed off pressure	
20:03						jsa rig down	
21:00						leave 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	2216	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	637	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	