

CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 17-FEB-13	F.R. # 1001966344		SERV. SUPV. RYAN SULLIVAN		
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 Surface			
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD TVD HANGER TYPES MD TVD	
Cement Plug, Rubber, Top 9-5/8 in		Cement Basket, Slip On, 9-5/8 in					
		Centralizer, with Pins, 9-5/8 in					
		Float Collar, Ball Valve, 9-5/8 - 8rd					
		Float Shoe 9-5/8 - 8rd					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	
Fresh water		N/A		0	8.34	0	
Type III + 1% CaCl ₂ .25CF				719	14.5	1.40	
Fresh water		N/A		0	8.34	0	
Dyed water		N/A		0	8.34	0	
Available Mix Water 200 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL		311.4 116.41	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE SHOE FLOAT STAGE
13.5	35	1573	8.921	9.625	36	CSG	1560 1560 J-55 1560 1514 0
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH TOP BTM SIZE THREAD TYPE WGT.
						No packer	0 9.625 8RD WATER BASED 8.4
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 Operator RATED Operator MIX WATER
117.1	BBLs	Fresh water	8.34	480	0	0	0 2816 1500 Frac tank
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1		Circulation Rate: 7.5 BPM	
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 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: Visually			
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: 13		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	3528 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
14:00	0	0	0	0	N/A	Arrive on location, 92 miles, rig laying down BHA, getting ready to start running casing	
17:40	0	0	0	0	N/A	Spot trucks on location, pre-rig up safety meeting	
18:20	0	0	0	0	N/A	Pre-job safety meeting	
19:07	0	0	0	1	WATER	Load lines	
19:09	1577	0	0	0	WATER	Low pressure test	
19:11	3528	0	0	0	WATER	High pressure test	
19:13	281	0	6.1	10	WATER	Freshwater spacer	
19:15	281	0	6.1	5	WATER	Dyed water spacer	
19:21	241	0	3.8	181	CEMENT	Batch-up, weigh, & pump 719 sx of Type III cement + 0.08 lbs/sk Static Free + 1% CaCl + 0.25 lbs/sk Cello Flake @ 14.5 ppg	
20:18	0	0	0	0	N/A	Release plug	
20:27	348	0	4.8	90	WATER	Displace	
20:42	0	0	0	0	N/A	Cement to surface, shut-down so rig can redirect cement returns	
20:50	568	0	3.6	10	WATER	Rate change	
20:56	552	0	2.4	7	WATER	Rate change	
21:00	610	0	2.4	117	WATER	Bump plug to 1148 psi, 0.5 bbls bled back, floats held, 27 bbls cement to surface	
21:05	0	0	0	0	N/A	Pre-rig down safety meeting	
21:50	0	0	0	0	N/A	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	610	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	27	313	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	

Code 810-14

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