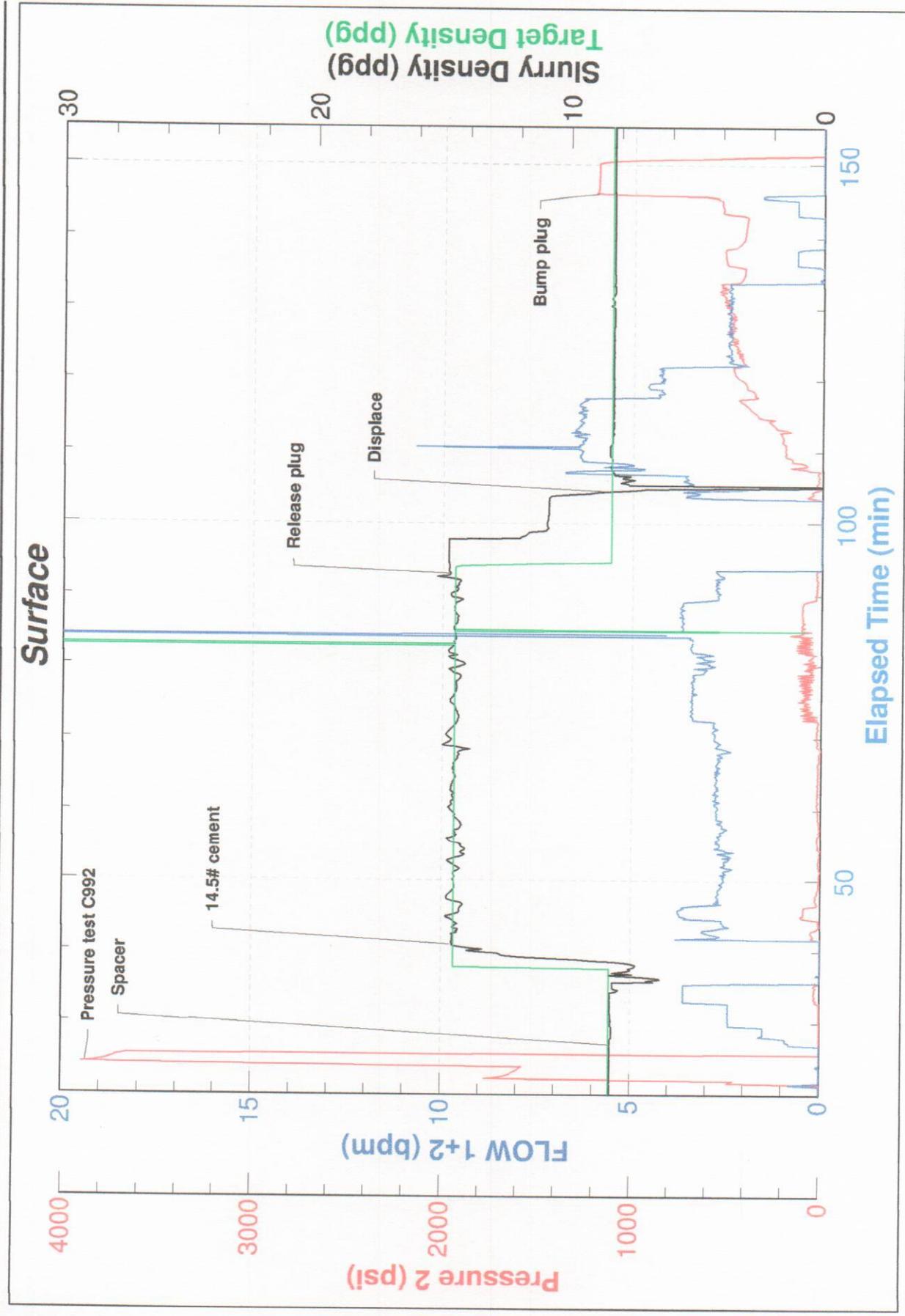


CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 23-DEC-13	F.R. # 10011034798	SERV. SUPV. RYAN SULLIVAN									
LEASE & WELL NAME RAZOR #21C-2805A - API 05123378390000		LOCATION 21-10N-58W		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		Centralizer, with Pins, 9-5/8 in											
		Cement Basket, Slip On, 9-5/8 in											
		Float Collar, Ball Valve, 9-5/8 - 8rd											
		Float Shoe 9-5/8 - 8rd											
MATERIALS FURNISHED BY BJ				PHYSICAL SLURRY PROPERTIES									
				LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT₃	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Fresh water				N/A	0	8.34	0	0	00:00	20			
Type III + Addis					667	14.5	1.40	6.81	01:30	166.3	107.97		
Mud				N/A	0	10	0	0	00:00	123.9			
Available Mix Water <u>400</u> Bbl.				Available Displ. Fluid <u>200</u> Bbl.				TOTAL		<u>310.2</u>	<u>107.97</u>		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
13.5	25	1671	8.921	9.625	36	CSG	1651	1651	J-55	1651	1603	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.
						No packer	0			9.625	8RD	WATER BASED	10
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			
123.9	BBLS	Mud	10	375	0	0	0	0	2816	2000	Frac tank		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 4				Circulation Rate: 4 BPM					
Mud Density In: 10 LBS/GAL				Mud Density Out: 10 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: 10				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													



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 3929 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
23:30	0	0	0	0	N/A	Yard call, 0200 on location, crew was not available until 23:30	
09:15	0	0	0	0	N/A	Arrive on location, 110 miles, BHI crew delayed by heavy snow	
09:20	0	0	0	0	N/A	Spot trucks, pre-rig up safety meeting & HRA	
11:02	0	0	.7	1	WATER	Load lines	
11:06	0	0	0	0	WATER	Low pressure test, fix leak	
11:24	1761	0	0	0	WATER	Low pressure test	
11:26	3929	0	0	0	WATER	High pressure test	
11:29	0	0	2.4	10	WATER	Fresh water spacer	
11:33	29	0	3.6	10	WATER	Dyed water spacer	
11:39	115	0	3.4	161	CEMENT	Batch-up, weigh, & pump 667 sx of Type III + 0.08 lbs/sk Static Free + 1% CaCl + 0.25 lbs/sk Cello Flake @ 14.5 ppg	
12:36	0	0	0	0	N/A	Release plug	
12:45	157	0	6.2	70	MUD	Displace	
12:59	348	0	4.2	21	MUD	Rate change	
13:04	429	0	2.4	29	MUD	Rate change	
13:15	0	0	0	0	N/A	Stage cement	
13:18	530	0	.7	2	MUD	Rate change	
13:20	0	0	0	0	N/A	Stage cement	
13:25	538	0	.7	1	MUD	Rate change	
13:26	540	0	1.5	1	MUD	Rate change	
13:27	540	0	1.5	124	MUD	Bump plug to 1203 psi, 0.5 bbls bled back, floats held, 4 bbls cement to surface	
13:40	0	0	0	0	N/A	Pre-rig down safety meeting & HRA	
14:45	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	540	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	4	305	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	