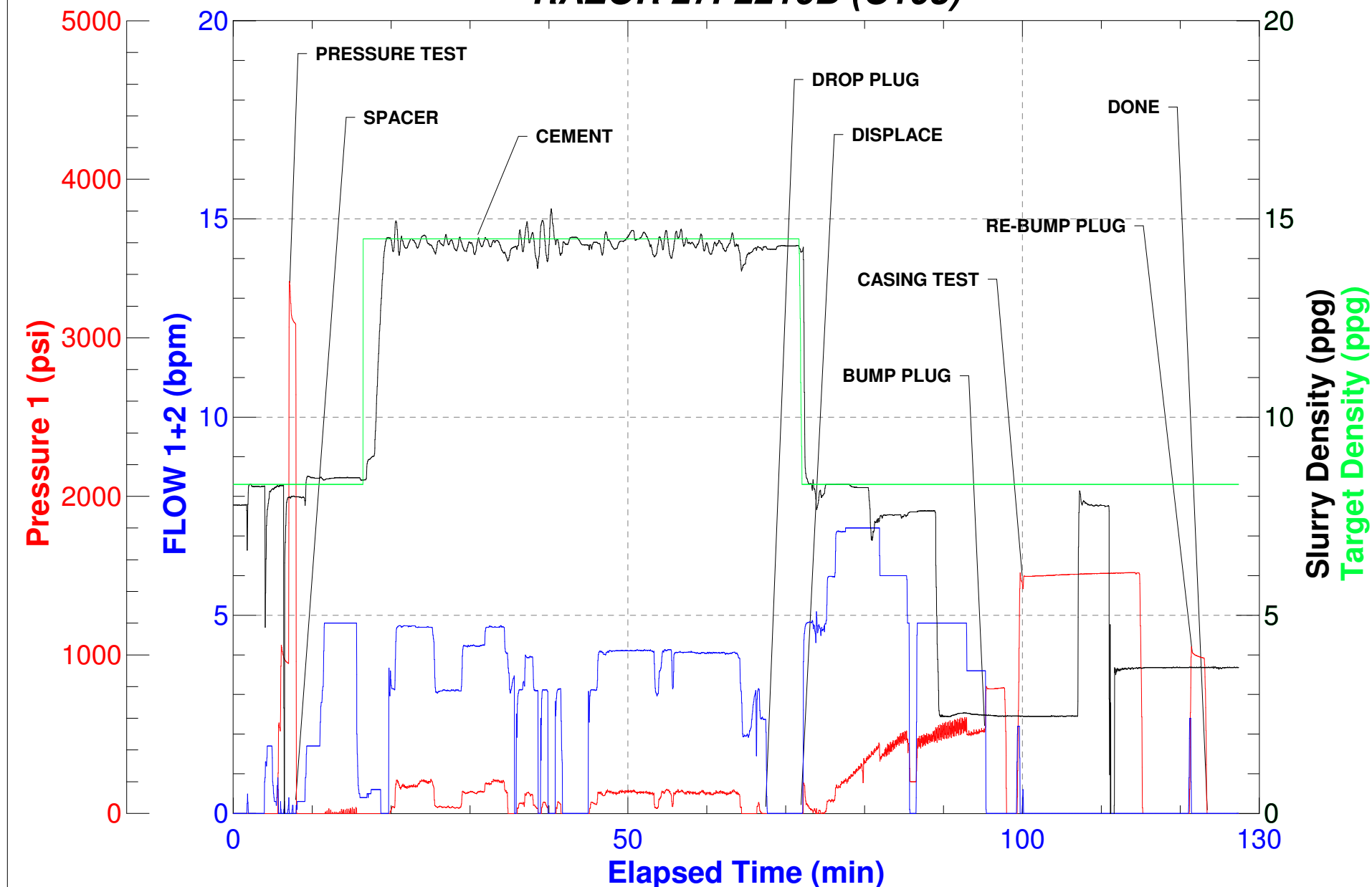


RAZOR 27I-2216B (C103)



CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 13-OCT-13	F.R. # 10011019703		SERV. SUPV. FELIPE LANDA		
LEASE & WELL NAME RAZOR #271-2216B - API 05123379740000		LOCATION 27-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado			
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Cade 23		TYPE OF JOB Surface			
SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS		MD	TVD	HANGER TYPES MD TVD	
BJ Cement Plug, Rubber, Top 9-5/8	Float Collar, AI Flap, 9-5/8 - 8rd						
	Float Shoe 9-5/8 - 8rd						
	Centralizer, with Pins, 9-5/8 in						
	Cement Basket, Slip On, 9-5/8 in						
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES			
Fresh water	0	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT³	WATER GPS	PUMP TIME HR:MIN	
Type III + Adds		0	8.34	0	0	00:00	
Fresh water	0	688	14.5	1.40	6.81	01:30	
		0	8.34	0	0	00:00	
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL		307.76 111.51	
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD TVD GRADE
13.5	25	1632	8.921	9.625	36	CSG	1615 1615 J-55
							1615 1570 0
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH
						NO PACKER	0
						SIZE	THREAD
						9.625	8RD
						WELL FLUID	
						WATER BASED 8.6	
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
121	BBLS	Fresh water	8.34	502	0	0	0
						MAX CSG PSI	MIX WATER
						3520	2816 TANK
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
Mud Density In: 8.6 LBS/GAL				Mud Density Out: 8.6 LBS/GAL			
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: 1 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 type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE							
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 12		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			
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Wiper Balls 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: 1504 PSI				With 8.34 LBS/GAL Mud		Time Held: 00 Hours 15 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 3361 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
09:00	0	0	0	0	NA	YARD CALL
14:51	0	0	0	0	NA	ARRIVE ON LOCATION (RIG RUNNING CASING)
18:15	0	0	0	0	NA	SPOT TRUCK/ PRE RIG UP SAFETY MEETING
18:46	0	0	0	0	NA	SAFETY MEETING
19:11	50	0	1.5	2	H2O	LOAD LINES
19:13	1065	0	0	0	H2O	LOW PRESSURE TEST
19:16	3361	0	0	0	H2O	HIGH PRESSURE TEST
19:18	175	0	4.8	20	H2O	FRESH WATER + DYE
19:24	230	0	4	164	CEMENT	688 SACKS TYPE III CEMENT + 0.08 lbs/sack STATIC FREE + 1% CALCIUM CHLORIDE + 0.25 lbs/sack CELLO FLAKE @ 14.5 PPG
20:19	0	0	0	0	NA	DROP PLUG
20:20	444	0	7.2	60	H2O	DISPLACE
20:30	521	0	6	20	H2O	RATE CHANGE
20:34	639	0	4.8	31	H2O	RATE CHANGE
20:41	499	0	3.6	10	H2O	RATE CHANGE
20:43	788	0	3.6	0	H2O	BUMP PLUG @ 121 BBLs (21 BBLs CEMENT BACK)
20:46	0	0	0	0	H2O	CHECK FLOATS
20:48	1504	0	2.2	0	H2O	CASING TEST
21:02	1518	0	0	0	H2O	END CASING TEST
21:09	1014	0	0	0	H2O	RE-BUMP PLUG
21:30	0	0	0	0	NA	POST JOB 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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	788	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	21	316	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	