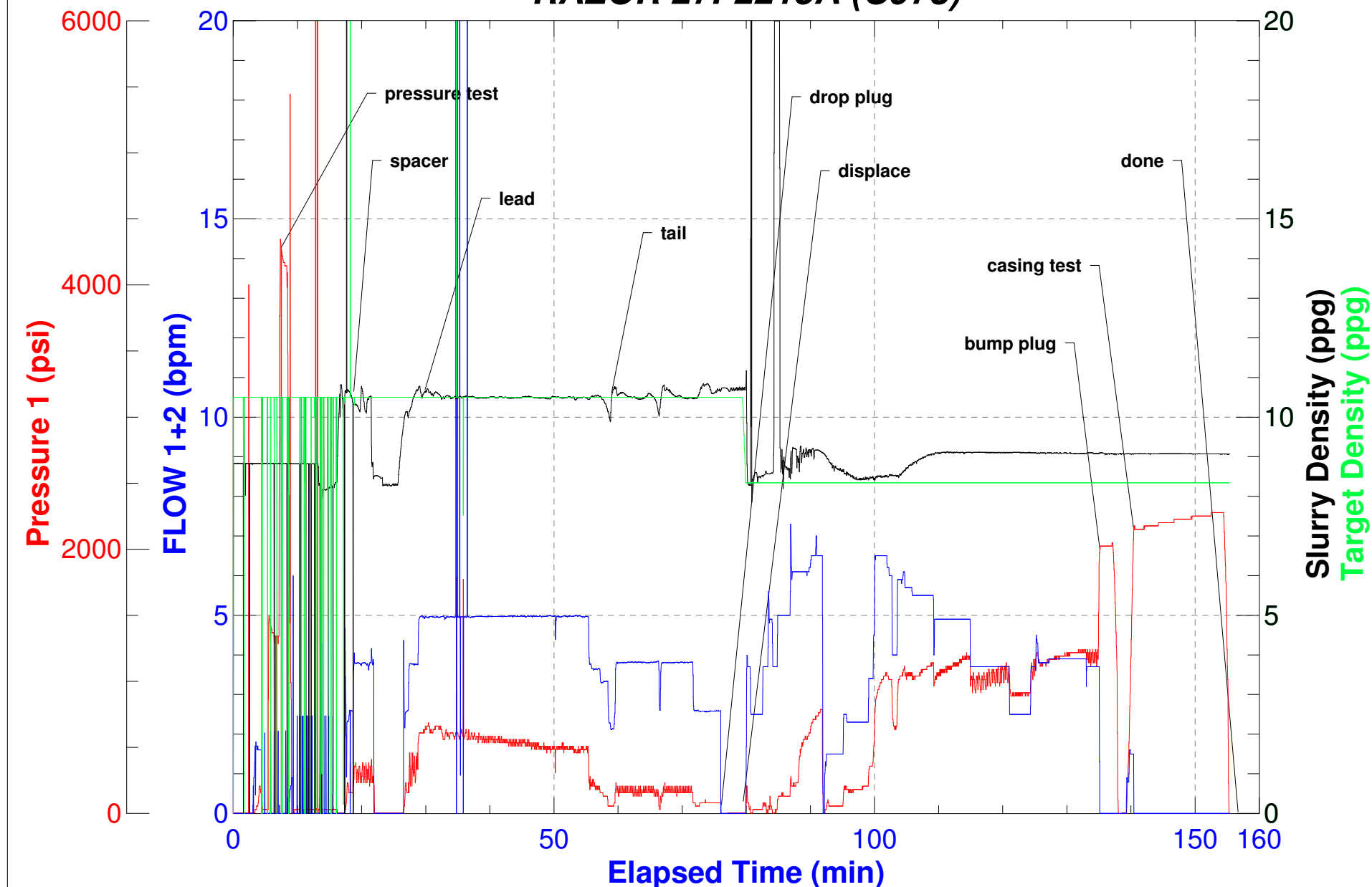


## RAZOR 27I-2215A (C973)



# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING PETROLEUM CORP		<b>DATE</b> 28-DEC-13		<b>F.R. #</b> 10011035146		<b>SERV. SUPV.</b> FELIPE LANDA	
<b>LEASE &amp; WELL NAME</b> RAZOR #271-2215A - API 05123379530000		<b>LOCATION</b> 27-10N-58W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> CADE 23		<b>TYPE OF JOB</b> Intermediate			
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>
Cement Plug, Rubber, Top 7 in		Centralizer, with Pins, 7 in					
		Float Collar, Auto Fill, 7 - 8rd					
		Float Shoe 7 - 8rd					
<b>MATERIALS FURNISHED BY BJ</b>		<b>LAB REPORT NO.</b>		<b>PHYSICAL SLURRY PROPERTIES</b>			
				<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>
Ultra Flush II Spacer					10.5		
(35:65) + LW-6 + Adds				307	10.5	2.64	8.86
Fresh Water					8.34		
(35:65) + LW-6 + Adds				91	10.5	3.12	10.49
<b>Available Mix Water</b> 400 <b>Bbl.</b>		<b>Available Displ. Fluid</b> 400 <b>Bbl.</b>		<b>TOTAL</b>		438.91	87.54
<b>HOLE</b>		<b>TBG-CSG-D.P.</b>				<b>COLLAR DEPTHS</b>	
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>
8.75	35	6090	6.184	7	29	CSG	6075
				<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>
				6075		6075	6030
				<b>STAGE</b>	0		
<b>LAST CASING</b>		<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</b>		<b>TOP CONN</b>	
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>
8.9	9.63	36		1550	1550	NO PACKER	0
				<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>
				0	0	7	8RD
				<b>TYPE</b>	<b>WGT.</b>	WATER BASED 9.7	
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>
224	BBLS	Fresh Water	8.34	219	0	0	0
				<b>Operator</b>	<b>MAX CSG PSI</b>	<b>Operator</b>	<b>MIX WATER</b>
				8160	6528	TANK	
<b>Circulation Prior to Job</b>							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
Mud Density In: 9.7 LBS/GAL				Mud Density Out: 9.7 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"/>			
<b>Displacement And Mud Removal</b>							
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 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: 52		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							
<b>Plugs</b>							
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			
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>							
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			
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>							
Casing Test Pressure: 2066 PSI				With 9.7 LBS/GAL Mud			
Time Held: 00 Hours 15 Minutes							
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE</b>							

# 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 4347 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
03:00	0	0	0	0	NA	YARD CALL
07:13	0	0	0	0	NA	ARRIVED ON LOCATION
07:28	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP SAFETY MEETING
08:30	0	0	0	0	NA	SAFETY MEETING
08:58	55	0	1.5	2	H2O	LOAD LINES
09:00	1469	0	0	0	H2O	HIGH PRESSURE TEST
09:03	4347	0	0	0	H2O	LOW PRESSURE TEST
09:13	282	0	3.7	20	H2O	ULTRA FLUSH II @ 10.5 PPG
09:20	610	0	5	170	LEAD	307 SACKS OF (35:65) POZ (FLY ASH): CLASS "G" CEMENT + 0.06 lbs/sack STATIC FREE + 0.1% R-3 + 46.46% LW-6 + 1.2% FL-25 + 0.5% SODIUM METASILICATE + 5% CSE-2 @ 10.5 PPG
09:56	156	0	3.8	58	TAIL	91 SACKS OF (35:65) POZ (FLY ASH): CLASS "G" CEMENT + 0.06 lbs/sack STATIC FREE + 54.44% LW-6 + 1.2% FL-25 + 0.5% SODIUM METASILICATE + 20% SILICA SAND 100 MESH SACKED + 5% CSE-2 @ 10.5 PPG
10:15	0	0	0	0	NA	DROP PLUG
10:16	1151	0	5	150	MUD	DISPLACE
10:47	1039	0	4	60	MUD	RATE CHANGE
11:07	1191	0	3.7	14	MUD	RATE CHANGE
11:11	2024	0	3.7	0	MUD	BUMP PLUG @ 224 BBLS (24 BBLS CEMENT BACK)
11:14	0	0	0	0	MUD	BLEED OFF PRESSURE CHECK FLOATS
11:16	2066	0	1.5	0	MUD	CASING TEST
11:31	2277	0	0	0	MUD	END CASING TEST
11:45	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	2024	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	24	460	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	