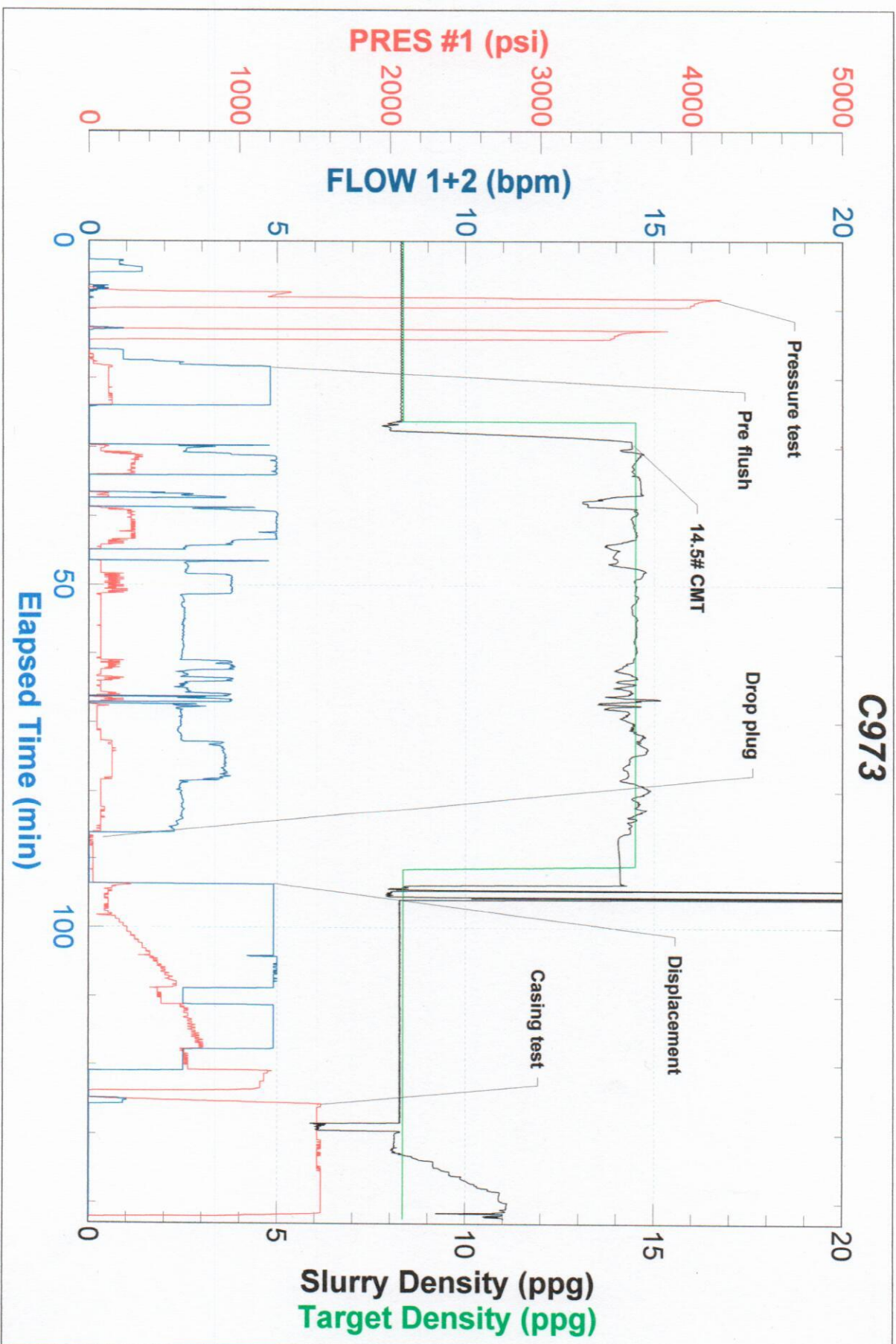




Baker Hughes JobMaster Program Version 3.60
Job Number: 10011035093
Customer: Whiting
Well Name: Razor #271-2215A



CEMENT JOB REPORT



CUSTOMER WHITING PETROLEUM CORP		DATE 24-DEC-13	F.R. # 10011035093	SERV. SUPV. AARON M MCWILLIAMS											
LEASE & WELL NAME RAZOR #271-2215A - API 05123379530000		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										
Cement Plug, Rubber, Top 9-5/8 in		Float Shoe 9-5/8 - 8rd													
		Float Collar, Auto Fill, 9-5/8 - 8rd													
		Cement Basket, Slip On, 9-5/8 in													
		Centralizer, with Fins, 9-5/8 in													
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES											
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER					
Fresh water		0		0	8.34	0	0	00:00	30						
TypeIII+1%CaCl+.25CF		C12-074-13		688	14.5	1.40	6.81	02:33	171.76	111.51					
Fresh water		0		0	8.34	0	0	00:00	120.2						
Available Mix Water 500 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL				321.96	111.51						
HOLE		TBG-CSG-D.P.					COLLAR DEPTHS								
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE			
13.5	35	1620	8.921	9.625	36	CSG	1599	1599	J-55	1599	1555	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	9.5	
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			
120	BBLs	Fresh water		8.34	498	0		0	0	0	2816	2000	Frack tank		
Circulation Prior to Job															
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: .5				Circulation Rate: 6 BPM							
Mud Density In: 9.5 LBS/GAL				Mud Density Out: 9.5 LBS/GAL				PV & YP Mud In: 14				PV & YP Mud Out: 14			
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>				Units: 0				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: 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"/> RECIPROICATION <input checked="" 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				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: 1540 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	4100 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
01:30	0	0	0	0	N/A	Yard call	
04:15	0	0	0	0	N/A	Leave yard	
06:15	0	0	0	0	N/A	Arrive on location 103 miles	
07:30	0	0	0	0	N/A	Spot trucks	
07:40	0	0	0	0	N/A	Pre rig up safety meeting	
08:50	0	0	0	0	N/A	Pre job safety meeting	
09:17	25	0	1	2	H2O	Load pumps and lines	
09:21	4100	0	0	0	H2O	Pressure test pumps and lines	
09:32	126	0	4.8	20	H2O	Fresh water pre flush	
09:37	126	0	4.8	10	H2O	Dyed spacer	
09:45	303	0	4.8	168	CMT	Batch up and pump 688 sks of Type III + 0.08 lbs/sack Static Free + 1% Cal + 0.25 lbs/sack Cello Flake 14.5 ppg 1.40 yield 6.81 gps	
10:36	0	0	0	0	N/A	Drop plug	
10:47	732	0	4.8	110	H2O	Displacement	
11:13	657	0	2.4	10	H2O	Rate change	
11:17	682	0	2.4	120	H2O	Bump plug	
11:17	1162	0	0	0	N/A	Plug down @ 120 bbl's 45 bbl's of CMT back	
11:19	0	0	0	0	N/A	Check floats HELD	
11:20	1540	0	0	0	H2O	Casing test	
11:36	0	0	0	0	N/A	Bleed pressure off / 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	682	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	45	318	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	