CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
WHITING OIL & GAS CORP XM	18-AUG-14	10011090824	Zachary Fagg

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
RAZOR #21C-0908 - API 05123395230000	21-10N-58W	Weld Colorado

DISTRICT	DRILLING CONTRACTOR RIG #	TYPE OF JOB
Brighton		Liner

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
	Float Shoe 4-1/2 - 8rd				Liner	14230	5901

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT_3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
50:50 + Adds		681	14.5	1.21	5.26		147.20	85.36
Fresh Water			8.34				171	
Ultraflush II			12				20	
Fresh Water			8.34				10	
						TOTAL	348.20	85.36

Available Mix Water 500 Bbl. Available Displ. Fluid 500 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
6	0	14239	4	4.5	11.6	CSG	14233	5901	L-80	14233	14233	0

LAST CASING ID	OD	WGT	TYPE	MD	TVD	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
6.2	7	29	CSG	6213	5901	LINER	5220	0	0	2	1502	KCL WATER	8.4

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
171	BBLS	Fresh Water	8.34	1683	0	0	0	0	7780	6224	RIG

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 2 | Circulation Rate: 4 BPM

Mud Density In: 9.5 LBS/GAL | Mud Density Out: 9.5 LBS/GAL | PV & YP Mud In: 10 | PV & YP Mud Out: 10

Gas Present: NO [X] YES [ ] Units: | Solids Present at End of Circulation: NO [X] YES [ ]

Displacement And Mud Removal

Displaced By: Rig [ ] BJ [X] | Amount Bled Back After Job: 2 BBLS

Returns During Job: [ ] NONE [ ] PARTIAL [X] FULL | Method Used to Verify Returns: VISUAL

Cement Returns at Surface: [ ] YES [X] NO | Were Returns Planned at Surface: [X] NO [ ] YES

Pipe Movement: [ ] ROTATION [ ] RECIPROCATION [X] NONE [ ] UNABLE DUE TO STUCK PIPE

Centralizers: [X] NO [ ] YES | Quantity: | Type: [ ] BOW [ ] RIGID

Job Pumped Through: [ ] CHOKE MANIFOLD [ ] SQUEEZE MANIFOLD [ ] MANIFOLD [ ] NO MANIFOLD

Plugs

Number of Attempts by BJ: 0 | Competition: 0 | Wiper Balls Used: [X] NO [ ] YES Quantity:

Plug Catcher Used: [X] NO [ ] YES | Parabow Used: [X] NO [ ] YES

Was There a Bottom: [X] NO [ ] YES | Top of Plug: 0 FT | Bottom of Plug: 0 FT

Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE [ ] SHOE SQUEEZE [ ] TOP OF LINER SQUEEZE [ ] PLANNED [ ] UNPLANNED [ ]

Liner Packer: [X] NO [ ] YES | Bond Log: [X] NO [ ] 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: Hours Minutes

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

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Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
NONE

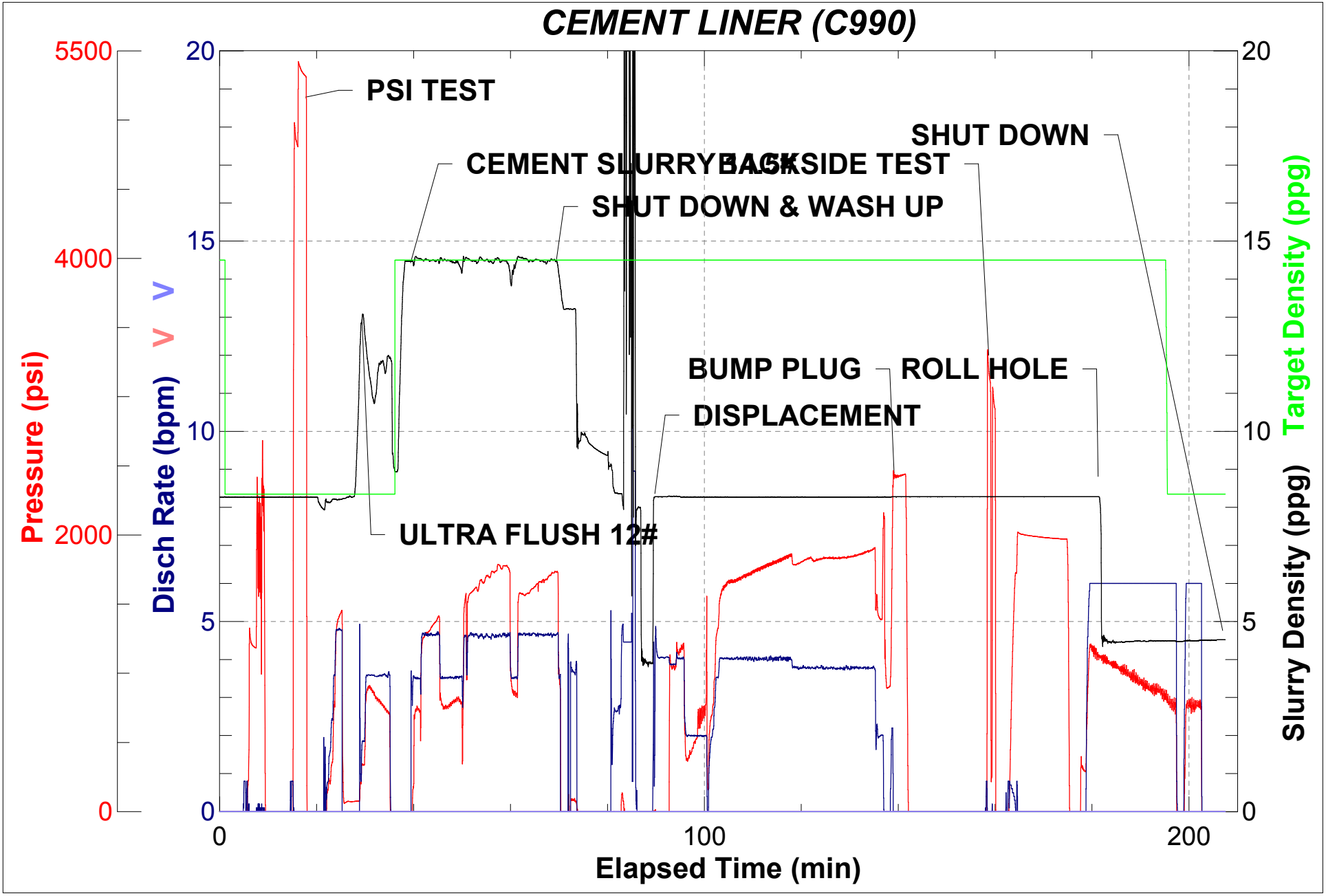
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)
NONE

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
NONE

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X]
	PIPE	ANNULUS				TEST LINES 5000 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
04:25	0	0	0	0	N/A	LEAVE DISTRICT
07:15	0	0	0	0	N/A	ARRIVE ON LOCATION
11:50	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING AND RIG UP
16:30	0	0	0	0	N/A	SAFETY MEETING
16:47	5409	0	0	0	H20	PRESSURE TEST
17:04	350	0	2.4	10	H20	PRE FLUSH FRESH H2O
17:12	897	0	3.6	20	H2O	ULTRA FLUSH 12#
17:22	1204	0	4.6	147	CMNT	CEMENT 14.5#
17:57	0	0	0	0	N/A	SHUT DOWN
18:01	0	0	0	0	N/A	DROP PLUG
18:04	0	0	2.6	10	H2O	WASH UP
18:12	1226	0	4	1	H2O	DISPLACE (FIRST 20 SUGAR WATER)
18:13	0	0	0	0	N/A	PLUG AWAY
18:23	1683	0	2	33.5	H2O	CAUGHT UP TO PLUG
18:42	1803	0	4	105	H2O	DISPLACEMENT
19:00	2263	0	2	170	H2O	LANDED PLUG
19:02	2510	0	1	1	H2O	PRESSURE UP ON PLUG (HOLD FOR 2 MINUTES)
19:07	0	0	0	0	N/A	SET TOOL
19:27	0	2086	1	1	H2O	BACKSIDE TEST
19:42	1138	0	6	0	H20	ROLL HOLE
20:00	730	0	0	110	H2O	GOT CEMENT TO RETURNS (1 BBL)
20:02	787	0	6	110	H2O	ROLL HOLE
20:05	0	0	0	131	H2O	SHUT DOWN
20:07	0	0	0	0	N/A	RIG DOWN SAFETY MEETING
	0	0	0	0	N/A	LEAVE LOCATION
	0	0	0	0	N/A	ARRIVE BACK AT DISTRICT

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:
[Y] N	702	[Y] N	1	479	0	Y [N]	

Baker Hughes JobMaster Program Version 4.00

Job Number: 10011090824
Customer: WHITING
Well Name: RAZOR #21C-0908