CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
WHITING OIL & GAS CORP XM	21-OCT-14	10011110693	ROBERT HORAN

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
RAZOR #21B-0909 - API 05123395290000	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/Circ Dif 4-1/2 - 8rd	NONE	0	0	NONE	0	0

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
		PHYSICAL SLURRY PROPERTIES						
50:50 + Adds	C10-064-14	679	14.5	1.21	5.26	03:34	146.77	85.11
Fresh Water	N/A	0	8.34	0		00:00	186.18	
Ultraflush II	N/A	0	12	0	0	00:00	20	
Fresh Water	N/A	0	8.34	0	0	00:00	20	
						TOTAL	372.94	85.11

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		13707	4	4.5	11.6	CSG	13910	5724	P-110			

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	6135	5724	NO PACKER				4	RND	WATER BASED	8.34

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
173	BBLS	Fresh Water	8.34	0	0	0	0	0	8552	4000	FRAC TANK

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 1 | Circulation Rate: 5 BPM

Mud Density In: 9.2 LBS/GAL | Mud Density Out: 9.2 LBS/GAL | PV & YP Mud In: 35 | PV & YP Mud Out: 35

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 [X] 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: 00 Hours 00 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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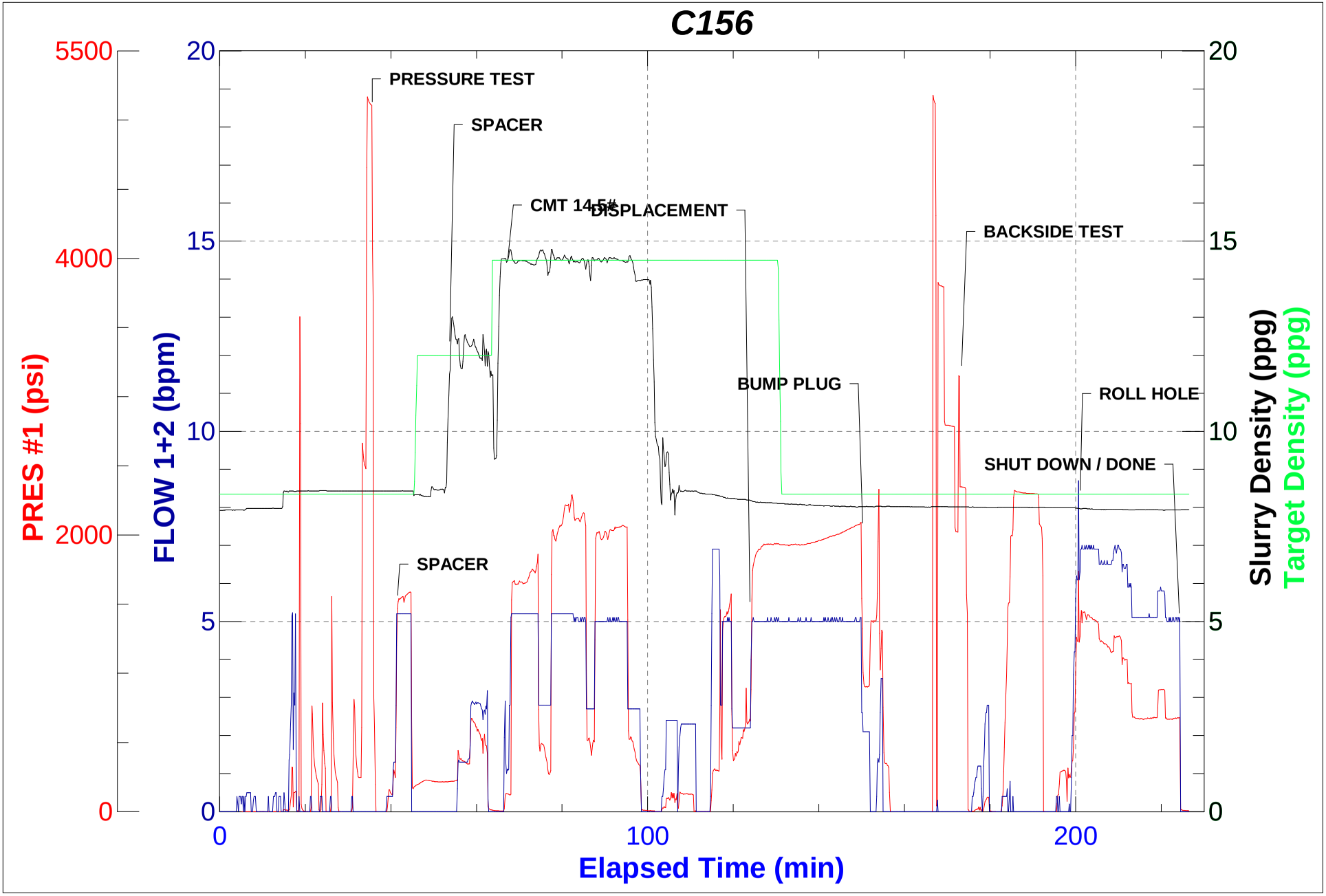
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
NONE

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 5182 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
08:00	0	0	0	0	N/A	YARD CALL
11:15	0	0	0	0	N/A	SAFETY MEETING
11:30	0	0	0	0	N/A	LEAVE YARD
13:50	0	0	0	0	N/A	ARRIVE LOCATION
22:30	0	0	0	0	N/A	STAGE TRUCKS
00:15	0	0	0	0	N/A	SAFETY MEETING
01:57	5182	0	0	0	H2O	PRESSURE TEST
02:35	1402	0	5	20	H2O	SPACER FRESH
02:43	954	0	2.4	20	H2O	SPACER ULTRA FLUSH II
03:00	1632	0	5	142	CMT	BATCH, WEIGH, PUMP 14.5#
03:35	0	0	0	0	H2O	SHUT DOWN / WASHUP
03:50	280	0	6.9	10	H2O	DISPLACEMENT / SUGAR
04:20	873	0	6.9	128	H2O	DISPLACEMENT / KCL
04:26	905	0	2.9	25	H2O	RATE CHANGE
04:30	1359	0	2.9	5	H2O	BUMPED PLUG
04:31	2245	0	1.5	5	H2O	PUMP 5 BBL
04:33	0	0	0		N/A	BLEED OFF
05:02	0	2328	1	1.5	H2O	BACKSIDE
05:07	0	0	0	0	N/A	BLEED OFF
05:15	1459	0	6		H2O	ROLL HOLE
15:35	0	0	0	0	N/A	SHUT 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:
Y [N]	1319	Y [N]	0	505	0	Y [N]	

Baker Hughes JobMaster Program Version 3.60
Job Number: 10011110693
Customer: WHITING
Well Name: RAZOR 21B-0909