CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
BAYSWATER EXPLORATION &	24-DEC-15	10011188846	JASON L SJOBERG

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
HESTER FARMS #G-36HN - API 05123419960000	31-7N-66W	Weld Colorado
DISTRICT	**DRILLING CONTRACTOR RIG #**	**TYPE OF JOB**
Brighton	FRONTIER 8	Long String

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 5-1/2 in	Float Collar, Auto Fill, 5-1/2 - 8rd						
	Guide Shoe, Cement Nose, 5-1/2 i						
	Centralizer, with Pins, 5-1/2 in						

MATERIALS FURNISHED BY BJ	LAB REPORT NO.	PHYSICAL SLURRY PROPERTIES: SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
FRESH WATER			8.34				30	
50:50 Class G/Poz + Adds		910	13.8	1.75	8.01	04:18	283.62	173.82
Fresh Water + Alpha 1427 + Claycare			8.34				280	
UltraFlush II		0	11	5.18	34.93		60	54.09
LEAD PLHS RM + Adds		835	12	2.43	13.64	05:40	361.37	271.72
						TOTAL	1014.99	499.64

Available Mix Water 1000 Bbl. Available Displ. Fluid 1000 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
8.75	25	12052	4.892	5.5	17	CSG	12044	7264	P-110	12044	12032	1

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.
8.9	9.63	36	CSG	1542	1542	No Packer	0	0	0	5.5	BUTT	OIL BASED MU	9.6

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
280	BBLS	Fresh Water + Alpha	8.34	1875	0	0	0	0	8512	5000	Frac Tanks

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 3 | Circulation Rate: 8 BPM

Mud Density In: 9.6 LBS/GAL | Mud Density Out: 9.6 LBS/GAL | PV & YP Mud In: 11 | PV & YP Mud Out: 11

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: 3 BBLS

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

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

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

Centralizers: [ ] NO [X] YES | Quantity: 142 | 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

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

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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

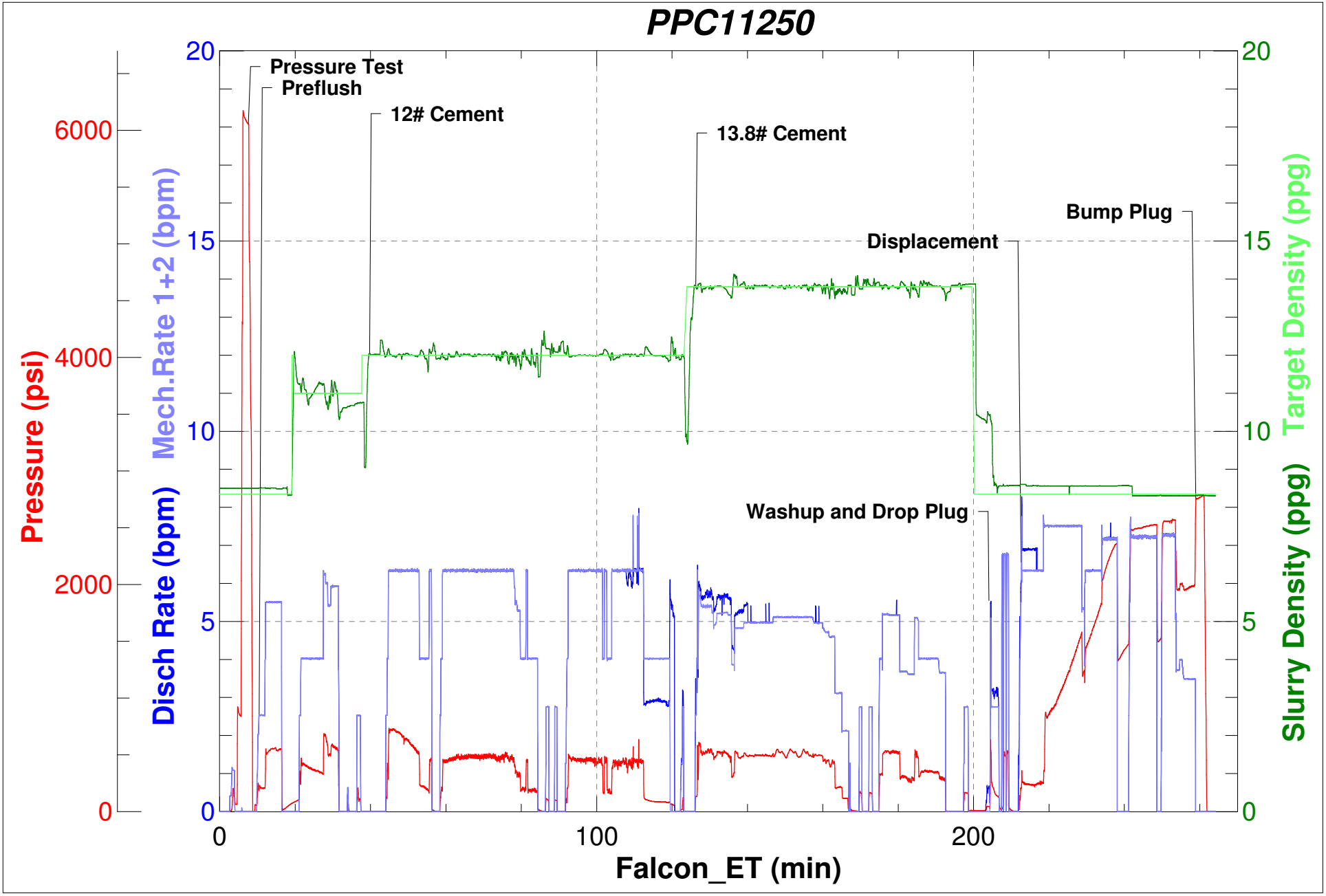
Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
None

PRESSURE/RATE DETAIL | **EXPLANATION**

SAFETY MEETING: BJ CREW [X] **CO. REP.** [X]
TEST LINES 6246 **PSI**
CIRCULATING WELL - RIG [X] **BJ** [ ]

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
10:30	0	0	0	0	N/A	Yard call
12:30	0	0	0	0	N/A	Leave yard
13:30	0	0	0	0	N/A	Arrive on location
13:40	0	0	0	0	N/A	Spot trucks/pre rig-up safety meeting
15:10	0	0	0	0	N/A	Safety meeting
15:40	6246	0	0	0	H2O	Pressure test pump and lines
15:48	553	0	5.5	30	H2O	Preflush fresh water
15:55	577	0	6	53	H2O	Preflush ultraflush II
16:18	722	0	6.3	365	CMT	Batch, weigh, pump 835 sks 12# PLHS RM + .2% R-3 + 1% FL-63 + .25 lbs/sack Cello Flake + .4% ASA-301
17:45	522	0	5.2	281	CMT	Pump 910 sks 13.8# 50:50:Poz G + 1% FL-63 + .2% ASA-301 + 20% Silica Flour + 10 lbs/sack CSE-2 + 2% Bentonite
18:57	0	0	0	0	N/A	Washup and drop plug
19:08	1593	0	7.5	120	H2O	Displacement
19:26	1823	0	6.3	40	H2O	Drop rate
19:32	2360	0	7.2	20	H2O	Increase rate
19:35	0	0	0	0	N/A	Shut down for rig to switch returns to cellar
19:38	2523	0	7.2	50	H2O	Continue displacement
19:45	0	0	0	0	N/A	Shut down for rig to switch tanks
19:46	2535	0	7.3	30	H2O	Continue displacement
19:50	1948	0	3.5	20	H2O	Drop rate
19:56	2022	0	3.5	280	H2O	Bump plug
19:58	2780	0	0	0	N/A	Check floats
20:00	0	0	0	0	N/A	Post job 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	2022	[Y] N	50	1009	0	Y [N]	


PPC11250
Pressure Test
Preflush
12# Cement
13.8# Cement
Displacement
Bump Plug
Washup and Drop Plug
Pressure (psi)
Disch Rate (bpm)
Mech.Rate 1+2 (bpm)
Target Density (ppg)
Slurry Density (ppg)
Falcon_ET (min)
0
2000
4000
6000
5
10
15
20
100
200