CEMENT JOB REPORT

CUSTOMER CARRIZO OIL & GAS INC XML	**DATE** 18-OCT-14	**F.R. #** 10011109330	**SERV. SUPV.** BRYAN J BARBARIGOS
LEASE & WELL NAME HEMBERGER #6-26-8-60 - API 05123392780000	**LOCATION** 26-8N-60W		**COUNTY-PARISH-BLOCK** Weld Colorado
DISTRICT Brighton	**DRILLING CONTRACTOR RIG #** Xtreme Coil #19		**TYPE OF JOB** Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 7 in	Float Collar, Auto Fill, 7 - 8rd						
	Float Shoe 7 - 8rd						
	Centralizer, with Pins, 7 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
SealBond + SB Plus		0	8.4	0	0	00:00	40	
Premium Lite Cmt + adds		388	12.5	1.94	10.64	03:30	133	97.37
50:50 (Poz:Class G) + adds		194	13.5	1.45	7.06	02:45	50	32.58
Drilling Mud		0	9.5	0	0	00:00	246	
FRESH WATER		0	8.4	0	0	00:00	15	
						TOTAL	484	129.95

Available Mix Water 400 **Bbl.** **Available Displ. Fluid** 225 **Bbl.**

HOLE SIZE	HOLE % EXCESS	HOLE DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
8.75	35	6291	6.366	7	23	CSG	6271	6160	N-80	6271	6177	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	1445	1445	NO PACKER	0	0	0	7	8RND	WATER BASED	9.9

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
246	BBLS	Drilling Mud	9.5	889	0	0	0	0	5072	3000	RIG

Circulation Prior to Job

Circulated Well: Rig [X] BJ [ ] | Circulation Time: 1 | Circulation Rate: 4 BPM

Mud Density In: 9.9 LBS/GAL | Mud Density Out: 9.9 LBS/GAL | PV & YP Mud In: 15 | PV & YP Mud Out: 15

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: [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: 50 | 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: 1716 PSI With 9.9 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

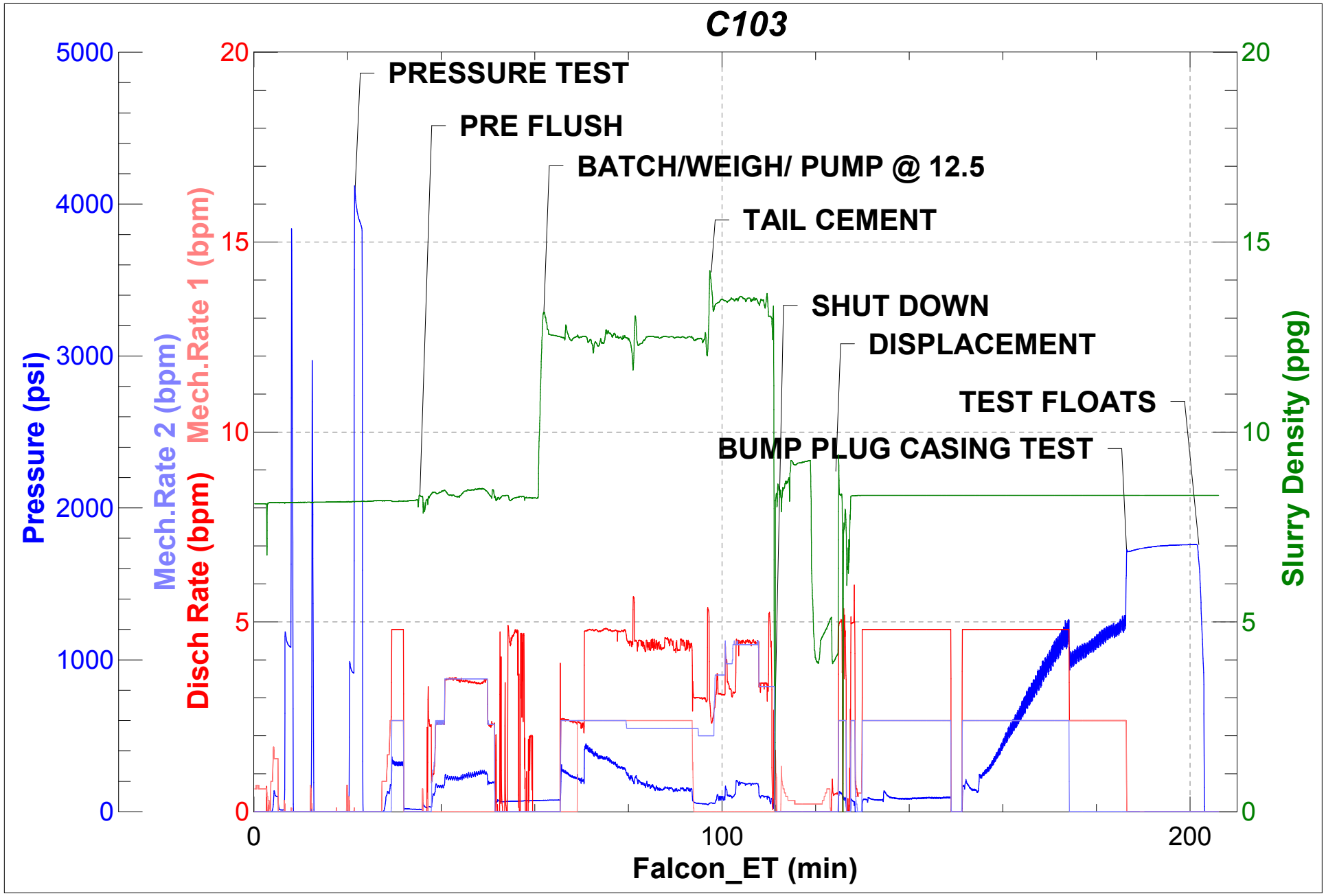
PRESSURE/RATE DETAIL

EXPLANATION

SAFETY MEETING: BJ CREW [X] **CO. REP.** [X]
TEST LINES 4126 **PSI**
CIRCULATING WELL - RIG [X] **BJ** [ ]

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	
15:13	0	0	0	0	N/A	LEAVE YARD
16:51	0	0	0	0	N/A	ARRIVE ON LOCATION,74 MILES,RIG READY
17:19	0	0	0	0	N/A	SPOT TRUCKS
17:31	0	0	0	0	N/A	PRE RIG UP SAFTY MEETING
18:18	0	0	0	0	N/A	PRE JOB MEETING
19:00	136	0	1.5	2	H2O	LOAD LINES
19:04	4126	0	.8	.4	H2O	PRESSURE TEST
19:22	333	0	4.8	15	H2O	FRESH SPACER
19:35	183	0	2.3	40	H2O	PRE FLUSH
19:58	439	0	4.7	131	CMT	BATCH/WEIGH/PUMP/388 SX@12.5 PLC
20:28	137	0	3	46	CMT	TAIL194 SX@13.5/ CLASS G
20:47	0	0	0	0	N/A	SHUT DOWN
21:03	1276	0	4	210	MUD	DROP PLUG/DISPLACEMENT
21:47	1127	0	2.4	36	MUD	SLOW RATE
22:06	1716	0	0	246	MUD	BUMP PLUG/CASING TEST
22:21	0	0	0	0	MUD	TEST FLOATS/ JOB COMPLETE
00:00	0	0	0	0	N/A	LEAVE LOCATION
01:32	0	0	0	0	N/A	ARRIVE AT YARD

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	1127	[Y] N	21	504	0	Y [N]	


C103
PRESSURE TEST
PRE FLUSH
BATCH/WEIGH/ PUMP @ 12.5
TAIL CEMENT
SHUT DOWN
DISPLACEMENT
TEST FLOATS
BUMP PLUG CASING TEST
Pressure (psi)
Mech.Rate 2 (bpm)
Disch Rate (bpm)
Mech.Rate 1 (bpm)
Slurry Density (ppg)
Falcon_ET (min)
5000
4000
3000
2000
1000
0
20
15
10
5
0
100
200

BAKER HUGHES

CEMENTING LABORATORY REPORT
Lab Report #C10-053-14

COMPANY :	Carrizo Oil & Gas	DATE:	October 16, 2014
WELL NAME:	Hemberger #6-26-8-60	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Intermediate
API #	05-123-39278-0000	TOC(md):	
DEPTH MD(ft):	6,400 ft	BHST(°F):	191 °F
CASING SIZE("):	7 in	BHCT(°F):	141 °F
TUBING SIZE("):		BHSqT(°F):	161 °F
HOLE SIZE("):	8 3/4 in	TOL (°F):	Static / Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentonite II, 0.4% FL-52, 0.25% pps Cello Flake, 0.04% Static Free, 0.5 gal/100sack FP-6L
#2	Tail Slurry: 50:50:3 (FA:G:Bentonite II) + 0.5% SMS, 0.4% FL-52, 0.04% Static Free, 0.5 gal/100sack FP-6L
#3	

SLURRY PROPERTIES		#1		#2		#3	
Density : ppg		12.50		13.50			
Yield :cu.ft./sk.		1.94		1.45			
Mixing Water: gal/sk.		10.64		7.06			
Water Type:		Fresh		Fresh			
Testing Temperature :		136 °F		138 °F			
Thickening Time: hrs:mins.		3:07		2:24			
Free Water: mls.							
Fluid Loss:ml/30min							
Compressive Strength:							
	hrs.						
	hrs.						
Rheologies	RPM						
	300						
	200						
	100						
	6						
	3						
	600						
	PV						
	YP						
Gel Strength : #/100sq.ft.	10 sec.						
	10 min.						

REMARKS :

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