CEMENT JOB REPORT

CUSTOMER CARRIZO OIL & GAS INC XML	**DATE** 26-OCT-13	**F.R. #** 10011022734	**SERV. SUPV.** JOHN R WUDARCZYK
LEASE & WELL NAME SPEAKER 1-27-11-8-61 - API 05123383500000	**LOCATION** 27-8N-61W		**COUNTY-PARISH-BLOCK** Weld Colorado
DISTRICT Brighton	**DRILLING CONTRACTOR RIG #** Xtreme Coil #17		**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/Circ Dif 9-5/8 - 8rd						
	Float Collar, Pop Valve, 9-5/8 - 8rd						
	Centralizer, with Pins, 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 + 2 lbs Red Dye		0	8.34	0	0	00:00	15	
Type III Cmt + adds		145	14.5	1.42	6.69	02:00	36.62	23.10
Premium Lite Cmt + adds		383	13	1.83	9.36	03:00	124.71	85.34
Fresh Water		0	8.34	0	0	00:00	108.4	
Type III Neat		100	14.8	1.33	6.33		23.61	15.07
						TOTAL	308.34	123.51

Available Mix Water 500 **Bbl.** **Available Displ. Fluid** 300 **Bbl.**

HOLE SIZE	HOLE % EXCESS	HOLE DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
12.25	100	1471	8.921	9.625	36	CSG	1446	1446	J-55	1446	1401	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.
15.	16	65	CSG	70	70	NO PACKER	0	0	0	9.625	8RND	FRESH WATER	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
108.4	BBLS	Fresh Water	8.34	380	0	0	0	0	2816	2000	RIG

Circulation Prior to Job

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

Mud Density In: 8.34 LBS/G | Mud Density Out: 8.34 LBS/GAL | PV & YP Mud In: 0 | PV & YP Mud Out: 0

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: .5 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: 14 | 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: 1500 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

SAFETY MEETING: BJ CREW [X] CO. REP. [X]
TEST LINES 4200 PSI
CIRCULATING WELL - RIG [X] BJ [ ]

TIME HR:MIN.	PRESSURE - PSI PIPE	PRESSURE - PSI ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
09:40	0	0	0	0	0	ARRIVE ON LOCATION (71 MILES) RIG RUNNING CASING
13:45	0	0	0	0	0	PRE RIG UP SAFETY MEETING
14:22	0	0	0	0	0	PRE JOB MEETING
15:05	4200	0	0	0	H2O	PRESSURE TEST PUMPS AND LINES
15:09	120	0	5.9	15	H2O	DYE WATER
15:20	120	0	3.4	115	LEAD	BATCH UP AND PUMP 383 SKS PLC+.08%STATIC FREE+3%CACL+3%NACL+.5#/SACK CELLO FLAKE+2#/SACK KOL-SEAL+6%BENTONITE @ 13#
15:56	120	0	3	30	TAIL	MIX AND PUMP 145 SKS TYPEIII+.08#/SACK STATIC FREE+1.5%CACL+.5#/SACK CELLO FLAKE+2#/SACK KOL-SEAL @ 14.5#
16:13	0	0	0	0	H2O	DROP PLUG
16:14	221	0	6	40	H2O	START DISPLACEMENT
16:22	360	0	4	50	H2O	SLOW RATE
16:33	255	0	0	0	H2O	SHUT DOWN
16:38	472	0	2.4	19	H2O	CONTINUE DISPLACEMENT
16:46	1677	0	0	0	H2O	BUMP PLUG @ 109 BBLS
16:48	1526	0	0	0	H2O	BLEED DOWN TO 1526 PSI, HOLD PRESSURE FOR 15 MIN CASING TEST
17:05	0	0	0	0	H2O	BLEED OFF CASING TEST / CHECK FLOATS
18:12	0	0	0	0	0	POST JOB RIG DWON 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	1677	[Y] N	49	269	0	Y [N]	

BAKER HUGHES

CEMENTING LABORATORY REPORT
Lab Report #C10-090-13

COMPANY :	Carrizo Oil & Gas Inc	DATE:	October 26, 2013
WELL NAME:	Speaker 1-27-11-8-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-38350-0000	TOC(md):	
DEPTH MD(ft):	1,400 ft	BHST(°F):	108 °F
CASING SIZE("):	9 5/8 in	BHCT(°F):	84 °F
TUBING SIZE("):		BHSqT(°F):	93 °F
HOLE SIZE("):	12 1/4 in	TOL (°F):	Static / Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentontite, 3% Calcium Chloride, 3% Sodium Chloride, 0.08% Static Free + 0.5 pps Cello Flake + 2 pps Kol-Seal
#2	Tail Slurry: Type III Cement + 1.5% Calcium Chloride, 0.08 pps Static Free + 0.5 pps Cello Flake + 2 pps Kol-Seal
#3	Top Out Slurry: Type III Cement

SLURRY PROPERTIES			#1		#2		#3	
Density : ppg			13.00		14.50		14.80	
Yield :cu.ft./sk.			1.83		1.42		1.33	
Mixing Water: gal/sk.			9.36		6.69		6.33	
Water Type:			Fresh		Fresh		Fresh	
Testing Temperature :			85 °F		84 °F		85 °F	
Thickening Time: hrs:mins.			11:30		4:56		3:02	
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 :

COMMENTS : The above data is supplied solely for informational purposes and BHI makes no guarantees or warranties, either express or implied, with respect to the acurracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.

Baker Hughes JobMaster Program Version 3.60

Job Number: 10011022734
Customer: CARRIZO
Well Name: SPEAKER 1-27-11-8-61

	FLOW 1+2 (bpm)		Target Density (ppg)
	0.0		**8.34**