

# CEMENT JOB REPORT



<b>CUSTOMER</b> CARRIZO OIL & GAS INC XML	<b>DATE</b> 30-OCT-13	<b>F.R. #</b> 10011023335	<b>SERV. SUPV.</b> BARLEN M JOYNER
<b>LEASE &amp; WELL NAME</b> SPEAKER 1-27-11-8-61 - API 05123383500000	<b>LOCATION</b> 27-8N-61W	<b>COUNTY-PARISH-BLOCK</b> Weld Colorado	
<b>DISTRICT</b> Brighton	<b>DRILLING CONTRACTOR RIG #</b> Xtreme Coil #17	<b>TYPE OF JOB</b> Intermediate	

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 7 in	Float Shoe 7 - 8rd	NONE	0	0	NONE	0	0
	Float Collar, Ball Valve, 7 - 8rd						
	Centralizer, Positive, 7 in						

MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES						
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Drilling Mud + Biocide		N/A		0	9.5	0	0	00:00	68	
Fresh Water		N/A		0	8.33	0	0	00:00	10	
SealBond + SB Plus		N/A		0	8.4	0	0	00:00	40	
Premium Lite Cmt + adds				418	12.5	1.94	10.65	03:30	144.46	105.98
50:50 (Poz:Class G) + adds				189	13.5	1.45	7.07	02:45	48.73	31.80
Drilling Mud		N/A		0	9.5	0	0	00:00	258.4	
Available Mix Water 600 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL			569.60		137.77	

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
8.75	35	6668	6.366	7	23	CSG	6647	6475	P-110	6668	6580	0

LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID		
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	WGT.
8.9	9.625	36	CSG	1400	1400	NO PACKER	0	0	0	7	8RD	9.6

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
258.4	BBLS	Drilling Mud	9.5	1096	0	0	0	0	6780	3000	RIG

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 <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 5617 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
	0	0	0	0	N/A	ARRIVE ON LOCATION	
	0	0	0	0	N/A	SPOT TRUCKS AND PRE RIG UP SAFTY MEETING	
	0	0	0	0	N/A	SAFTY MEETING WITH CREW	
		0	1	2	H2O	LOAD LINES	
		0	0	0	H2O	PRESSURE TEST	
		0			H2O	FRESH WATER SPACER	
		0			H2O	SEAL BOND SPACER	
		0			CEMENT	BATCH UP, WHEIGH AND SEND 12.5# LEAD	
		0			CEMENT	SEND 13.5# TAIL	
	0	0	0	0	N/A	DROP PLUG	
		0	7		WATER B/	DISPLACEMENT	
		0			WATER B/	RATE CHANGE	
		0			WATER B/	RATE CHANGE	
		0			WATER B/	RATE CHANGE	
		0	0	0	WATER B/	BUMP PLUG	
	0	0	0	0	N/A	TEST FLOATS	

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PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES 5617 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
		0			H2O	CASING TEST	
	0	0	0	0	N/A	END CASING TEST AND RIG DOWN SAFTY MEETING	
	0	0	0	0	N/A	LEAVE LOCATION	

  

BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1223	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 494	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	SERVICE SUPERVISOR SIGNATURE:
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# CEMENTING LABORATORY REPORT

## Lab Report #C10-101-13

COMPANY :	Carrizo Oil & Gas Inc	DATE:	October 30, 2013
WELL NAME:	Speaker 1-27-11-8-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Intermediate
API #	05-123-38350-0000	TOC(md):	
DEPTH MD(ft):	6,654 ft	BHST(°F):	185 °F
CASING SIZE("):	7 in	BHCT(°F):	125 °F
TUBING SIZE("):		BHSqT(°F):	156 °F
HOLE SIZE("):	8 3/4 in	TOL (°F):	Static Circ

### SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentonite, 0.2% FL-52, 0.25 pps Cello Flake
#2	Tail Slurry: Class G Cement: FA (50:50) + 3% Bentonite, 0.5% Sodium Metasilicate, 0.4% FL-52
#3	

SLURRY PROPERTIES			#1	#2	#3
Density : ppg			12.50	13.50	
Yield :cu.ft./sk.			1.94	1.45	
Mixing Water: gal/sk.			10.65	7.07	
Water Type:			Fresh	Fresh	
Testing Temperature :			124 °F	124 °F	
Thickening Time: hrs:mins.			4:49	7:18	
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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