

# CEMENT JOB REPORT



<b>CUSTOMER</b> CARRIZO OIL & GAS INC XML	<b>DATE</b> 14-NOV-13	<b>F.R. #</b> 10011026934	<b>SERV. SUPV.</b> ERIC S DEWIT
<b>LEASE &amp; WELL NAME</b> SPEAKER #3-27-8-61 - API 05123383310000	<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> Surface	

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 9-5/8 in	Centralizer, with Pins, 9-5/8 in						
	Cement Basket, Slip On, 9-5/8 in						
	Float Collar, Auto Fill, 9-5/8 - 8rd						
	Float Shoe 9-5/8 - 8rd						

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
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				396	13	1.83	9.36	03:00	128.94	88.24
Fresh Water				0	8.34	0	0	00:00	108.3	
Type III Neat				100	14.8	1.33	6.33		23.61	15.07
Available Mix Water 400 Bbl.		Available Displ. Fluid 400 Bbl.		TOTAL			312.47		126.40	

HOLE			TBG-CSG-D.P.							COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
12.25	100	1440	8.921	9.625	36	CSG	1440	1440	J-55	1447	1402	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.
15.	16	65	CSG	70	70	No Packer	0	0	0	9.625	8RND	8.4

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	
108.3	BBLS	Fresh Water	8.34	377	0	0	0	0	2980	1000	Rig Tank

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 2775 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
00:00	0	0	0	0	N/A	Yard call	
02:45	0	0	0	0	N/A	Leave yard	
04:09	0	0	0	0	N/A	Arrive on location 74 Miles, Rig running casing	
04:50	0	0	0	0	N/A	Spot trucks	
05:00	0	0	0	0	N/A	Pre rig up safety meeting	
05:56	0	0	0	0	N/A	Pre job safety meeting	
06:38	167	0	2	2	H2O	Load pumps and lines	
06:40	2775	0	0	0	H2O	Pressure test pumps and lines	
06:43	180	0	5	15	H2O	Fresh water spacer w/dye	
06:48	226	0	5	126	CMT	Batch, Weigh, and pump lead slurry PLC+adds @13 lbs	
07:23	475	0	3.6	30	CMT	Batch, Weigh, and pump Tail slurry Type III cement + adds @14.5 lbs	
07:36	0	0	0	0	N/A	Release plug	
07:39	197	0	6	70	H2O	Displacement	
07:53	456	0	4.8	10	H2O	Drop rate	
07:55	341	0	2.4	23	H2O	Drop rate	
08:15	1009	0	0	0	H2O	Bump plug, check 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 2775 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
08:35	0	0	0	0	N/A	Pre rig down safety meeting	
09:10	0	0	0	0	N/A	Leave location	

  

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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	479	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	53	279	0	Y <input checked="" type="checkbox"/> N	



# CEMENTING LABORATORY REPORT

## Lab Report #C1103313

COMPANY :	Carrizo Oil & Gas Inc	DATE:	November 14, 2013
WELL NAME:	Speaker 3-27-8-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-38331-0000	TOC(md):	
DEPTH MD(ft):	1,444 ft	BHST(°F):	109 °F
CASING SIZE("):	9 5/8 in	BHCT(°F):	85 °F
TUBING SIZE("):		BHSqT(°F):	94 °F
HOLE SIZE("):	12 1/4 in	TOL (°F):	Static Circ

### SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentontite II, 3% Calcium Chloride , 3% Sodium Chloride, 0.08% Static Free, 0.25 pps Cello Flake
#2	Tail Slurry: Type III Cement + 1.5% Calcium Chloride, 0.08 pps Static Free, 0.25 pps Cello Flake
#3	Slurry No. 3: Type III Cement

SLURRY PROPERTIES			#1	#2	#3
Density : ppg			13.00	14.50	14.80
Yield :cu.ft./sk.			1.81	1.41	1.33
Mixing Water: gal/sk.			9.46	6.82	6.33
Water Type:			Fresh	Fresh	Fresh
Testing Temperature :			85 °F	85 °F	84 °F
Thickening Time: hrs:mins.			6:25	2:20	2:45
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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