

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML				DATE 04-NOV-13		F.R. # 10011024682				SERV. SUPV. VITALIJS A NEVERDASOV			
LEASE & WELL NAME SPEAKER #2-27-8-61 - API 05123383320000				LOCATION 27-8N-61W				COUNTY-PARISH-BLOCK Weld Colorado					
DISTRICT Brighton				DRILLING CONTRACTOR RIG # Xtreme 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 9-5/8 - 8rd		NONE		0	0	NONE		0	0		
		Float Collar, AI Flap, 9-5/8 - 8rd											
		Centralizer, with Pins, 9-5/8 in											
		Cement Basket, Slip On, 9-5/8 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 + 2 lbs Red Dye				N/A		0	8.34	0	0	00:00	15		
Type III Cmt + adds				N/A		145	14.5	1.42	6.69	02:00	36.62	23.10	
Premium Lite Cmt + adds				N/A		383	13	1.83	9.36	03:00	124.71	85.34	
Fresh Water				N/A		0	8.34	0	0	00:00	105.14		
Type III Neat				N/A		100	14.8	1.33	6.33		23.61	15.07	
Available Mix Water 600 Bbl.				Available Displ. Fluid 400 Bbl.				TOTAL		305.08		123.51	
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
12.25	100	1469	8.921	9.625	36	CSG	1444	1444	J-55	1444	1399	1	
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	TYPE	WGT.
15.	16	65		70	70	NO PACKER	0	0	0	9.625	8RND	WATER BASED	9.7
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			
105.1	BBLS	Fresh Water	8.34	381	0	0	0	0	2816	1600	RIG TANK		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 3			Circulation Rate: 5 BPM				
Mud Density In: 9.7 LBS/GAL Mud Density Out: 9.7 LBS/GAL						PV & YP Mud In: 19			PV & YP Mud Out: 19				
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> Units:						Solids Present at End of Circulation: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>							
Displacement And Mud Removal													
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>						Amount Bled Back After Job: 1 BBLS							
Returns During Job: <input type="checkbox"/> NONE <input type="checkbox"/> PARTIAL <input checked="" type="checkbox"/> FULL						Method Used to Verify Returns: VISUAL							
Cement Returns at Surface: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO						Were Returns Planned at Surface: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES							
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE													
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 14			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID				
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD													
Plugs													
Number of Attempts by BJ: 0 Competition: 0						Wiper Balls Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES Quantity:							
Plug Catcher Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Parabow Used: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES							
Was There a Bottom: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES						Top of Plug: 0 FT			Bottom of Plug: 0 FT				
Squeezes (Update Original Treatment Report for Primary Job)													
BLOCK SQUEEZE <input type="checkbox"/>		SHOE SQUEEZE <input type="checkbox"/>		TOP OF LINER SQUEEZE <input type="checkbox"/>		PLANNED <input type="checkbox"/>		UNPLANNED <input type="checkbox"/>					
Liner Packer: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		Bond Log: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES		PSI Applied: 0		Fluid Weight: 0 LBS/GAL							
Casing Test (Update Original Treatment Report for Primary Job)													
Casing Test Pressure: 1526 PSI						With 8.34 LBS/GAL Mud		Time Held: 00 Hours 15 Minutes					

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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

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	3132 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
04:00	0	0	0	0	N/A	YARD CALL	
06:31	0	0	0	0	N/A	LEAVE DISTRICT	
08:07	0	0	0	0	N/A	ARRIVE ON LOCATION	
08:15	0	0	0	0	N/A	SPOT TRUCKS	
08:30	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
09:01	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
09:43	25	0	2	2	H2O	LOAD LINES	
09:47	3132	0	.4	.1	H2O	PRESSURE TEST	
09:51	145	0	4.8	15	H2O	PUMP FRESH WATER + DYE SPACER	
09:58	271	0	5.2	122	CMT	PUMP 383 SACKS OF LEAD CEMENT @ 13 PPG	
10:31	95	0	3	34	CMT	PUMP 245 SACKS OF TAIL CEMENT @ 14.5 PPG	
10:44	0	0	0	0	N/A	SHUT DOWN/DROP PLUG	
10:48	474	0	7	55	H2O	DISPLACEMENT	
10:56	522	0	3.6	53	H2O	SLOW RATE	
11:14	1752	0	0	108	H2O	BUMP PLUG	
11:18	0	0	0	0	N/A	CHECK FLOATS/ FLOATS HELD	
11:20	1526	0	1.2	1	H2O	CASING TEST	
11:35	0	0	0	0	N/A	BLEED OFF	
11:45	0	0	0	0	N/A	RIG DOWN SAFETY MEETING	
BUMPED PLUG <input type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 552	TEST FLOAT EQUIP. <input type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 48	TOTAL BBL. PUMPED 280	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input type="checkbox"/>	Service Supervisor Signature:



CEMENTING LABORATORY REPORT

Lab Report #C11-008-13

COMPANY :	Carrizo Oil & Gas Inc	DATE:	November 4, 2013
WELL NAME:	Speaker 2-27-8-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-38332-0000	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 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 :			138 °F	84 °F	84 °F
Thickening Time: hrs:mins.			1:34	1:50	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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