

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 07-NOV-13		F.R. # 10011025434			SERV. SUPV. AARON M MCWILLIAMS						
LEASE & WELL NAME SPEAKER #2-27-11-8-61 - API 05123383320000			LOCATION 27-8N-61W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Xtreme Coil #17			TYPE OF JOB Intermediate								
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE			MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
None		Float Shoe 7 - 8rd			None		0	0	None		0	0		
Cement Plug, Rubber, Top 7 in		Float Collar, Auto Fill, 7 - 8rd			None		0	0	None		0	0		
		Centralizer, with Pins, 7 in			None		0	0	None		0	0		
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		
Drilling Mud + Biocide			0			0	0	0	00:00	0				
Fresh Water			0			8.33	0	0	00:00	10				
SealBond + SB Plus			0			8.4	0	0	00:00	40				
Premium Lite Cmt + adds			C11-021-13			400	12.5	1.94	10.65	05:15	138.24	101.41		
50:50 (Poz:Class G) + adds			C11-021-13			206	13.5	1.45	7.07	03:34	53.12	34.66		
Drilling Mud			0			9.5	0	0	00:00	258.33				
Available Mix Water 500 Bbl.			Available Displ. Fluid 300 Bbl.			TOTAL			499.69	136.07				
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	35	6660	6.366	7	23	CSG	6647	6500	P-110	6647	6563	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	TYPE	WGT.
8.9	9.63	36	CSG	1444	1444	No packer		0	0	0	7	8RD	WATER BASED	9.5
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			
252	BBLS	Drilling Mud		9.5	1080	0	0	0	0	5072	3000	Rig tank		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 7 BPM					
Mud Density In: 9.6 LBS/GAL			Mud Density Out: 9.6 LBS/GAL			PV & YP Mud In: 13			PV & YP Mud Out: 13					
Gas Present: NO <input type="checkbox"/> YES <input checked="" type="checkbox"/>						Units: 0			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: 2 BBLS								
Returns During Job: <input type="checkbox"/> NONE <input checked="" type="checkbox"/> PARTIAL <input type="checkbox"/> FULL						Method Used to Verify Returns: Visually								
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"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 58			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: 0 PSI			With 0 LBS/GAL Mud			Time Held: 00 Hours 00 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 4336 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
16:00	0	0	0	0	N/A	Yard call	
20:00	0	0	0	0	N/A	Leave yard	
21:30	0	0	0	0	N/A	Arrive on location 70 miles	
02:45	0	0	0	0	N/A	Spot trucks	
02:55	0	0	0	0	N/A	Pre rig up safety meeting	
03:45	0	0	0	0	N/A	Pre job safety meeting	
04:18	300	0	1.5	2	N/A	Load pumps and lines	
04:21	4336	0	0	0	N/A	Pressure test pumps and lines	
04:26	519	0	4.8	10	H2O	Fresh water pre flush	
04:30	580	0	4.8	40	H2O	Seal bond spacer	
04:44	634	0	6	136	CMT	Batch up and pump 400 sks of PLC + 0.25 lbs/sack Cello Flake + 0.2% FL-52 + 6% Bentonite 12.5 ppg 1.94 Yield 10.65 gps	
05:03	435	0	6	51	CMT	Batch up and pump 206 sks of (50:50) POZ + G + 0.4% FL-52 + 3% Bentonite + 0.5% SMS 13.5 ppg 1.45 yield 7.07 gps	
05:20	0	0	0	0	N/A	Drop plug	
05:28	889	0	7.2	150	MUD	Displacement	
05:51	1217	0	6	50	MUD	Displacement rate change	
06:00	1380	0	4.8	40	MUD	Displacement rate change	
06:08	1268	0	2.4	12	MUD	Displacement rate change	
06:15	1366	0	2.4	252	MUD	Bump plug	
06:15	2232	0	0	0	N/A	Plug down @ 252 bbl's 22 bbl's of cmt back	
06:30	0	0	0	0	N/A	Check floats 2 bbl's back Held	
06:35	0	0	0	0	N/A	Rig down 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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1366	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	22	489	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



CEMENTING LABORATORY REPORT
Lab Report #C11-021-13

COMPANY :	Carrizo Oil & Gas Inc	DATE:	November 7, 2013
WELL NAME:	Speaker 2-27-11-8-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Intermediate
API #	05-123-38332-0000	TOC(md):	
DEPTH MD(ft):	6,642 ft	BHST(°F):	186 °F
CASING SIZE("):	7 in	BHCT(°F):	125 °F
TUBING SIZE("):		BHSqT(°F):	157 °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.		5:15	3:34	
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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