

# CEMENT JOB REPORT



<b>CUSTOMER</b> CARRIZO OIL & GAS INC XML			<b>DATE</b> 12-MAY-13		<b>F.R. #</b> 1001987115			<b>SERV. SUPV.</b> FELIPE LANDA						
<b>LEASE &amp; WELL NAME</b> SIEVERS 1-3-7-62 - API 05123365570000			<b>LOCATION</b> 3-7N-62W			<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								
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>			<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>		<b>MD</b>	<b>TVD</b>		
Cement Plug, Rubber, Bottom 7 in		Centralizer, with Pins, 7 in												
Cement Plug, Rubber, Top 7 in		Float Collar, Auto Fill, 7 - 8rd												
		Float Shoe 7 - 8rd												
<b>MATERIALS FURNISHED BY BJ</b>			<b>LAB REPORT NO.</b>			<b>PHYSICAL SLURRY PROPERTIES</b>								
						<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>		
Drilling Mud + Biocide			0			0	9.5	0	0	00:00	68			
Fresh Water			0			0	8.33	0	0	00:00	10			
SealBond + SB Plus			0			0	8.4	0	0	00:00	40			
Premium Lite Cmt + adds						454	12.5	1.94	10.65	04:00	157.03	115.07		
50/50 (Poz/Class G) + adds						141	13.5	1.71	8.30	03:00	43.01	27.87		
Drilling Mud			0			0	9.5	0	0		267.54			
<b>Available Mix Water</b> 400 <b>Bbl.</b>			<b>Available Displ. Fluid</b> 400 <b>Bbl.</b>			<b>TOTAL</b>					585.59	142.94		
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>						<b>COLLAR DEPTHS</b>					
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>		
8.75		6876	6.366	7	23	CSG	6860	6604	P-110	6860	6774			
<b>LAST CASING</b>			<b>PKR-CMT RET-BR PL-LINER</b>			<b>PERF. DEPTH</b>			<b>TOP CONN</b>		<b>WELL FLUID</b>			
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>		<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>
8.9	9.63	36	CSG	1416	1416	NO PACKER		0	0	0	7	8RD	WATER BASED	9.7
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>			
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>		<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>			
266	BBLS	Drilling Mud		9.5	1335	0	0	0	0	7968	3000	FRAC TANK		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 5 BPM						
Mud Density In: 9.7 LBS/GAL				Mud Density Out: 9.7 LBS/GAL				PV & YP Mud In: 0		PV & YP Mud Out: 0				
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"/>				
<b>Displacement And Mud Removal</b>														
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 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"/> RECIPROICATION <input checked="" 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														
<b>Plugs</b>														
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						
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>														
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				
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>														
Casing Test Pressure: 2002 PSI				With 9.7 LBS/GAL Mud				Time Held: 00 Hours 15 Minutes						

# 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)  
CEMENT BACK TO SURFACE EARLY PUMP MAX RATE FOR JOB 4 BPM

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
NONE

**EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: CASING GETTING STUCK**

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 4647 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
16:00	0	0	0	0	NA	YARD CALL	
20:02	0	0	0	0	NA	ARRIVE ON LOCATION ( RIG RUNNING CASING)	
22:00	0	0	0	0	NA	SPOT TRUCKS/ PRE-RIG UP SAFETY MEETING ( RIG CIRCULATING)	
23:10	0	0	0	0	NA	SAFETY MEETING	
23:40	10	0	1.5	2	H2O	LOAD LINES	
23:48	84	0	2	10	H2O	SPACER ( BIOCIDE 1 GALLON )	
23:53	266	0	4.5	40	H2O	SEAL BOND + SEAL BOND PLUS SPACER	
00:03	272	0	4.6	146	LEAD	BATCH TO WEIGHT 454 SKS PLC + 0.25 LBS/SKS CELLO FLAKE + 0.4% FL-52 + 6% BENTONITE @ 12.5 PPG	
00:45	91	0	2.4	43	TAIL	141 SKS 50):50: POZ ( FLY ASH ) "G" CEMENT + 20% SILICA FLOUR + 0.4% FL-52 + 3% BENTONITE + 0.1% SMS @ 13.5 PPG	
01:05	0	0	0	0	NA	DROP PLUG	
01:07	952	0	4.2	210	MUD	DISPLACEMENT	
02:06	1429	0	3.6	57	MUD	RATE CHANGE	
02:21	1990	0	0	0	MUD	BUMP PLUG @ 266 BBLS ( 64 BBLS CEMENT BACK )	
02:24	2002	0	0	0	MUD	CASING TEST ( 15 MIN )	
02:39	0	0	0	0	NA	CHECK FLOATS (2 BBLS BACK)	
02:45	0	0	0	0	NA	POST 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	1990	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	64	505	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



**CEMENTING LABORATORY REPORT**  
Lab Report #C05-048-13

<b>COMPANY :</b>	Carrizo Oil & Gas	<b>DATE:</b>	May 12, 2013
<b>WELL NAME:</b>	Sievers 1-3-7-62	<b>LOCATION:</b>	Weld County, Colorado
<b>DISTRICT:</b>	Brighton	<b>TYPE JOB:</b>	Intermediate
<b>API #</b>	05-123-36557-0000	<b>TOC(md):</b>	
<b>DEPTH MD(ft):</b>	6,604 ft	<b>BHST(°F):</b>	212 °F
<b>CASING SIZE("):</b>	7 in	<b>BHCT(°F):</b>	140 °F
<b>TUBING SIZE("):</b>		<b>BHSqT(°F):</b>	178 °F
<b>HOLE SIZE("):</b>	8 3/4 in	<b>TOL (°F):</b>	Static      Circ

**SLURRY DESIGN DATA**

#1	Lead Slurry: Premium Lite Cement + 6% Bentonite + 0.4% FL-52 + 0.25% Cello Flake
#2	Tail Slurry: Class G Cement: FA (50:50) + 20% Silica Flour + 3% Bentonite + 0.4% FL-52 + 0.1% SMS
#3	

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		12.50	13.50	
Yield :cu.ft./sk.		1.94	1.71	
Mixing Water: gal/sk.		10.65	8.30	
Water Type:		Fresh	Fresh	
Testing Temperature :		139 °F	139 °F	
Thickening Time: hrs:mins.		10:00+	10:00+	
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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