

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 22-SEP-13		F.R. # 10011015536			SERV. SUPV. JOHN R WUDARCZYK						
LEASE & WELL NAME STATE 2-36-9-61 - API 05123378970000				LOCATION 36-9N-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		
Cement Plug, Rubber, Top 7 in		Float Shoe 7 - 8rd												
		Float Collar, Pop Valve, 7 - 8rd												
		Centralizer, with Pins, 7 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
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								407	12.5	1.94	10.65	03:30	140.66	103.19
50:50 (Poz:Class G) + adds								183	13.5	1.45	7.07	02:45	47.19	30.79
Drilling Mud				0				0	9.5	0	0	00:00	252.8	
Available Mix Water 500 Bbl.				Available Displ. Fluid 500 Bbl.				TOTAL				558.65	133.97	
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
8.75	35	6528	6.366	7	23	CSG	6508	6368	J-55	6508	6421	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	1464	1464	NO PACKER		0	0	0	7	8RND	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				
252.8	BBLS	Drilling Mud	9.5	1078	0	0	0	0	0	3488	3000	RIG		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 6 BPM					
Mud Density In: 9.5 LBS/GAL Mud Density Out: 9.5 LBS/GAL						PV & YP Mud In: 12			PV & YP Mud Out: 12					
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: 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input type="checkbox"/> YES								
Pipe Movement: <input type="checkbox"/> ROTATION <input type="checkbox"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 48			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: 2500 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	4631 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
14:50	0	0	0	0	NA	ARRIVE ON LOCATION (95 MILES) RIG RUNNING CASING	
16:30	0	0	0	0	NA	PRE RIG UP SAFETY MEETING	
17:23	0	0	0	0	NA	PRE JOB MEETING	
18:37	4631	0	0	0	H2O	PRESSURE TEST PUMPS AND LINES	
18:43	257	0	5	10	H2O	FRESH WATER	
18:50	487	0	5	40	H2O	SEALBOND SPACER	
19:06	560	0	6	138	LEAD	BATCHUP AND PUMP 407 SKS +.25#/SACK CELLOFLAKE +.2% FL-52 + 6%BENTONITE @ 12.5#	
19:30	407	0	6	45	TAIL	MIX AND PUMP 183 SKS POZ-G +.4% FL-52 +3% BENTONITE+.5% SMS @ 13.5#	
19:40	0	0	0	0	H2O	DROP PLUG	
19:48	738	0	7.4	150	MUD	START DISPLACEMENT	
20:05	586	0	6	50	MUD	SLOW RATE	
20:13	1044	0	5	40	MUD	SLOW RATE	
20:19	1575	0	3.5	13	MUD	SLOW RATE	
20:23	2138	0	0	0	H2O	BUMP PLUG @ 253 BBLs	
20:38	0	0	0	0	H2O	CHECK FLOATS	
20:45	0	0	0	0	NA	POST JOB 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	2545	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	486	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



CEMENTING LABORATORY REPORT
Lab Report #C0906913

COMPANY :	Carrizo Oil & Gas	DATE:	September 22, 2013
WELL NAME:	State 2-36-9-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Intermediate
API #	05-123-37897-0000	TOC(md):	
DEPTH MD(ft):	6,545 ft	BHST(°F):	182 °F
CASING SIZE("):	7 in	BHCT(°F):	123 °F
TUBING SIZE("):		BHSqT(°F):	154 °F
HOLE SIZE("):	8 3/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentonite II, 0.2% FL-52, 0.25% Cello Flake
#2	Tail Slurry: 50:50:3 (FA:G:Bentonite) + 0.5% SMS, 0.4% FL-52
#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 :		122 °F	122 °F	
Thickening Time: hrs:mins.		3:09	3:37	
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 :

COMMENTS : The above data is supplied solely for informational purposes and BHI makes no guarantees or warranties, either express or implied, with respect to the accuracy or use of this data. All product warranties and guarantees shall be governed by the standard contract terms at the time of sale.



FLOW 1+2 (bpm)

7.2

Target Density (ppg)

8.34

C973

