

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 19-DEC-13		F.R. # 10011034162		SERV. SUPV. STEVEN S ISCHE							
LEASE & WELL NAME STATE 2-16-9-60 - API 05123385910000			LOCATION 16-9N-60W			COUNTY-PARISH-BLOCK Weld Colorado								
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Xtreme Coil #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, Ball Valve, 9-5/8 - 8rd												
		Centralizer, Positive, 8-5/8 in												
		Cement Basket, Hinged, 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	20			
Type III Cmt + adds				C12-054-13		145	14.5	1.42	6.69	05:01	40	25.23		
Premium Lite Cmt + adds				C12-054-13		396	13	1.83	9.36	02:21	121	82.80		
Fresh Water				N/A		0	8.34	0	0	00:00	108			
CLASS C				N/A		16	14.8	1.42	6.69	04:00	4	2.52		
Available Mix Water 300 Bbl.				Available Displ. Fluid 169 Bbl.				TOTAL		293 110.56				
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	1446	1446	J-55	1446	1400	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.
15.	16	65	CSG	70	70	NO PACKER		0	0	0	9.625	8RD	WATER BASED	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	BBLs	Fresh Water		8.34	382	0	0	0	0	2816	1000	RIG		
Circulation Prior to Job														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 3 BPM					
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 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"/>								
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 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 checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES						Quantity: 15			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 type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	3434 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
05:00	0	0	0	0	N/A	LEAVE YARD	
06:50	0	0	0	0	N/A	ARRIVE ON LOCATION	
07:00	0	0	0	0	N/A	SPOT TRUCKS AND PRE RIG UP SAFTY MEETING	
08:15	0	0	0	0	N/A	SAFTY MEETING WITH CREW	
09:07	51	0	2	2	H2O	LOAD LINES	
09:13	3434	0	0	0	H2O	PRESSURE TEST	
09:15	303	0	4.8	10	H2O	FRESH WATER SPACER	
09:17	278	0	4.8	10	H2O	DYE WATER SPACER	
09:22	328	0	4.8	121	CEMENT	BATCH UP, WHEIGH AND SEND 13# LEAD	
09:52	202	0	3.3	40	CEMENT	14.5# TAIL	
10:02	0	0	0	0	N/A	DROP PLUG	
10:02	572	0	4.8	85	H2O	DISPLACEMENT	
10:32	505	0	2	28	H2O	RATE CHANGE	
10:44	905	0	0	0	N/A	BUMP PLUG	
11:00	0	0	0	0	N/A	TEST FLOATS	
12:27	82	0	1.3	4	CEMENT	TOP OUT	
12:35	0	0	0	0	N/A	SHUT DOWN AND WASH UP	
13:00	0	0	0	0	N/A	RIG DOWN SAFTY MEETING	
13:45	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	905	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	63	291	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



CEMENTING LABORATORY REPORT
Lab Report #C12-059-13

COMPANY :	Carrizo Oil & Gas Inc	DATE:	December 19, 2013
WELL NAME:	Gaffney 2-29-8-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-38575-0000	TOC(md):	
DEPTH MD(ft):	1,440 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% Bentonite + 3% Calcium Chloride + 3% Sodium Chloride + 2 pps Kol-Seal + 0.5 pps Cello Flake + 0.08% Static Free
#2	Tail Slurry: Type III Cement + 2 pps Kol-Seal + 1.5% Calcium Chloride + 0.5 pps Cello Flake + 0.08 pps Static Free
#3	

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		13.00	14.50	
Yield :cu.ft./sk.		1.83	1.42	
Mixing Water: gal/sk.		9.36	6.69	
Water Type:		Fresh	Fresh	
Testing Temperature :		85 °F	87 °F	
Thickening Time: hrs:mins.		5:02	3:28	
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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