

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML		DATE 22-DEC-13		F.R. # 10011034164		SERV. SUPV. JASON L SJOBERG	
LEASE & WELL NAME GAFFNEY #2-29-8-61 - API 05123385750000		LOCATION 29-8N-61W		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
Cement Plug, Rubber, Top 9-5/8 in		Float Shoe 9-5/8 - 8rd					
		Float Collar, Auto Fill, 9-5/8 - 8rd					
		Centralizer, with Pins, 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
Fresh Water + 2 lbs Red Dye				0	8.34	0	0
Type III Cmt + adds				146	14.5	1.41	02:30
Premium Lite Cmt + adds				400	13	1.81	03:00
Fresh Water				0	8.34	0	108.23
Available Mix Water 300 Bbl.		Available Displ. Fluid 300 Bbl.		TOTAL		289.05	113.79
HOLE		TBG-CSG-D.P.				COLLAR DEPTHS	
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD
12.25	0	1438	8.921	9.625	36	CSG	1434
						GRADE	SHOE
						J-55	1434
						STAGE	1390
							0
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN	
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE	DEPTH
15.	16	65	CSG	87	87	No Packer	0
						TOP	BTM
						0	0
						SIZE	THREAD
						9.625	8 RND
						TYPE	WGT.
						WATER BASED	8.34
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED
107	BBLS	Fresh Water	8.34	378	0	0	0
						Operator	MAX CSG PSI
							RATED
							Operator
							MIX WATER
							Rig
Circulation Prior to Job							
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1			
Mud Density In: 8.34 LBS/G				Mud Density Out: 8.34 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: .5 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: 14			
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID			
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							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None							

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)
 None

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 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 3036 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
04:00	0	0	0	0	N/A	Yard Call
05:00	0	0	0	0	N/A	Leave Yard
06:30	0	0	0	0	N/A	Arrive on Location
13:43	0	0	0	0	N/A	Spot Trucks/Pre Rig-up Safety Meeting
14:45	0	0	0	0	N/A	Safety Meeting
15:34	3036	0	0	0	H2O	Pressure Test Pump and Lines
15:46	276	0	5.4	15	H2O	Preflush Dye
15:51	250	0	4.6	125	CMT	Batch, Weigh, Pump 13# PLC + .08% Static Free + 3% CaCl + 3% NaCl + .25 lbs/sack Cello Flake + 6% Bentonite
16:25	151	0	3.5	38	CMT	Pump 14.5# Type III + .08% Static Free + 1.5% CaCl + .25 lbs/sack Cello Flake
16:39	0	0	0	0	N/A	Drop Plug
16:42	326	0	6	30	H2O	Displacement
16:48	276	0	4.7	20	H2O	Drop Rate
16:53	276	0	3.6	30	H2O	Drop Rate
17:02	320	0	2	22	H2O	Drop Rate
17:11	0	0	0	0	N/A	Shut Down
17:16	427	0	1.1	5	H2O	Displacement
17:22	477	0	1.1	107	H2O	Bump Plug
17:27	1137	0	0	0	H2O	Check Floats
17:29	200	0	0	0	H2O	Shut in Head @ 200 psi
19:35	50	0	2.5	4	CMT	Top Out Cement
21:30	0	0	0	0	N/A	Post Job 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	477	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	37	326	200	<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 :	
-----------	--

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.