

# CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 04-MAR-13		F.R. # 1001969662		SERV. SUPV. REESE A ANDERSON						
LEASE & WELL NAME BRINGELSON 2-32-9-58 - API 05123366250000			LOCATION 32-9N-58W			COUNTY-PARISH-BLOCK Weld Colorado							
DISTRICT Brighton			DRILLING CONTRACTOR RIG # Xtreme Coil #19			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		Alum Baffle Plate, Slip On, 9-5/8											
		Float Shoe 9-5/8 - 8rd											
<b>PHYSICAL SLURRY PROPERTIES</b>													
MATERIALS FURNISHED BY BJ			LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
Fresh Water + 2 lbs Red Dye			0		0	8.34	0	0	00:00	15			
Type III Cement + adds			0		147	14.5	1.40	6.81	02:30	36.70	23.83		
Premium Lite Cement + adds			0		410	13	1.77	9.20	03:00	129.06	89.81		
Fresh Water			0		0	8.34	0	0	00:00	108.23			
Available Mix Water 400 Bbl.			Available Displ. Fluid 400 Bbl.		TOTAL					288.99	113.63		
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	1440	1440	J-55	1444	1404	1399	
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		70	70	NO PACKER	0	0	0	9.625	8 RD	WATER BASED	8.5
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			
110	BBLs	Fresh Water	8.34	900	0	0	0	0	4224	2000	RIG TANK		
<b>Circulation Prior to Job</b>													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 6 BPM					
Mud Density In: 8.5 LBS/GAL				Mud Density Out: 8.5 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: 1 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: 10				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: 0 PSI				With 0 LBS/GAL Mud				Time Held: 00 Hours 00 Minutes					
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE													
PRESSURE/RATE DETAIL						EXPLANATION							

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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

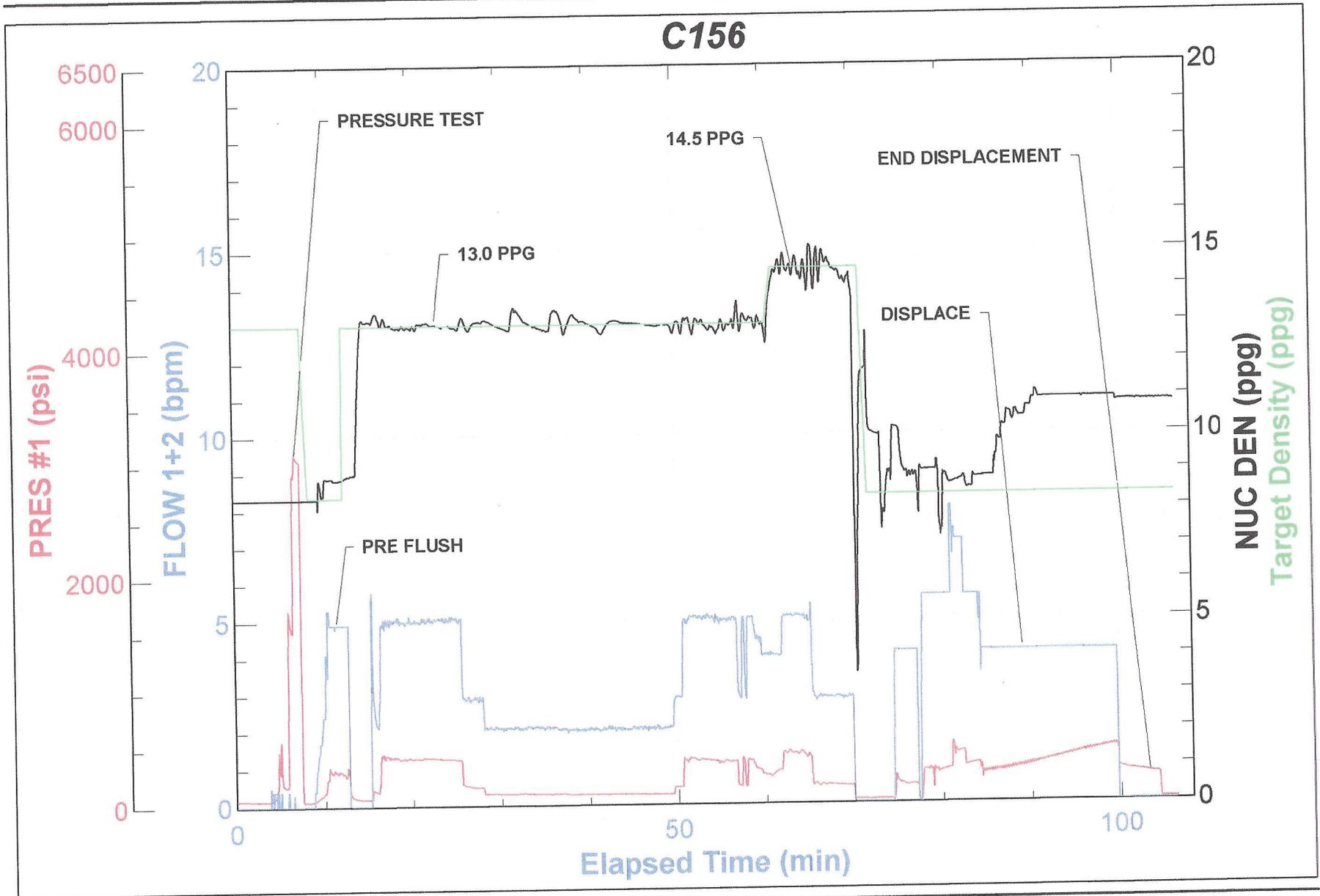
Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
 NONE

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

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	3090 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
20:00	0	0	0	0	NA	YARD CALL	
22:07	0	0	0	0	NA	LEAVE YARD	
00:40	0	0	0	0	NA	ARRIVE ON LOCATION	
00:46	0	0	0	0	NA	SPOT TRUCKS/PRE RIG U P MEETING/RIG UP	
01:48	0	0	0	0	NA	SAFETY MEETING	
02:40	3090	0	0	0	H2O	PRESSURE TEST	
02:43	305	0	5	15	H2O	DYED SPACER	
02:50	348	0	5	131	CMT	410 SACKS 13 PPG CEMENT	
03:35	449	0	5	37	CMT	147 SACKS 14.5 PPG CEMENT	
03:46	0	0	0	0	NA	DROP PLUG	
03:49	459	0	4.1	110	H2O	DISPLACEMENT	
04:14	459	0	4.1	110	H2O	DID NOT BUMP PLUG/BLEED OFF/TEST FLOATS	
04:18	0	0	0	0	NA	FLOATS HOLDING/73 BBLs CEMENT RETURNED	
04:20	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN	

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:
Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	73	293	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	<i>Reese Anderson</i>

*[Signature]*





**CEMENTING LABORATORY REPORT**  
Lab Report #C03-012-13

<b>COMPANY :</b>	Carrizo Oil & Gas	<b>DATE:</b>	March 3, 2013
<b>WELL NAME:</b>	Bringelson 2-32-9-58	<b>LOCATION:</b>	Weld County, Colorado
<b>DISTRICT:</b>	Brighton	<b>TYPE JOB:</b>	Surface
<b>API #</b>	05-123-36625-0000	<b>TOC(md):</b>	
<b>DEPTH MD(ft):</b>	1,440 ft	<b>BHST(°F):</b>	109 °F
<b>CASING SIZE("):</b>	9 5/8 in	<b>BHCT(°F):</b>	85 °F
<b>TUBING SIZE("):</b>		<b>BHSqT(°F):</b>	94 °F
<b>HOLE SIZE("):</b>	12 1/4 in	<b>TOL (°F):</b>	Static      Circ

**SLURRY DESIGN DATA**

<b>#1</b>	Lead Slurry: Premium Lite Cement + 6% Bentonite + 3% Calcium Chloride + 0.08% Static Free + 0.25 pps Cello Flake
<b>#2</b>	Tail Slurry: Type III Cement + 1% Calcium Chloride + 0.08 pps Static Free + 0.25 pps Cello Flake
<b>#3</b>	

<b>SLURRY PROPERTIES</b>		<b>#1</b>	<b>#2</b>	<b>#3</b>
Density : ppg		13.00	14.50	
Yield :cu.ft./sk.		1.77	1.40	
Mixing Water: gal/sk.		9.20	6.81	
Water Type:		Fresh	Fresh	
Testing Temperature :		85 °F	85 °F	
Thickening Time: hrs:mins.		6:31	3:08	
Free Water: mls.				
Fluid Loss:ml/30min				
Compressive Strength:				
	hrs.			
	hrs.			
<b>Rheologies</b>	<b>RPM</b>			
	300			
	200			
	100			
	6			
	3			
	600			
	PV			
	YP			
<b>Gel Strength : #/100sq.ft.</b>	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.



FIELD RECEIPT NO. 1001969662

CUSTOMER CARRIZO OIL & GAS INC XML				CREDIT APPROVAL NO.	PURCHASE ORDER NO.	CUSTOMER NUMBER 20015134 - 0040139823-2	INVOICE NUMBER		
MAIL INVOICE TO : STREET OR BOX NUMBER 500 DALLAS STREET, SUITE 2499				CITY Houston		STATE Texas	ZIP CODE 77063		
DATE WORK COMPLETED	MO. 03	DAY 04	YEAR 2013	BHI REPRESENTATIVE REESE A ANDERSON	WELL API NO: 05123366250000	WELL TYPE : New Well			
DISTRICT BJS, BRIGHTON				JOB DEPTH (ft) 1,444		WELL CLASS : Oil			
WELL NAME AND NUMBER BRINGELSON 2-32-9-58				TD WELL DEPTH (ft) 1,446		GAS USED ON JOB : No Gas			
WELL LOCATION :		LEGAL DESCRIPTION 32-9N-58W		COUNTY/PARISH Weld	STATE Colorado	JOB TYPE CODE : Surface			
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
100112	Calcium Chloride			lbs	✓ 1209	1.290	1,559.61	65%	545.86
100120	Bentonite			lbs	✓ 2140	0.530	1,134.20	65%	396.97
100295	Cello Flake			lbs	✓ 140	5.100	714.00	65%	249.90
121116	Cement Plug, Rubber, Top 9-5/8 in			ea	✓ 1	403.200	403.20	65%	141.12
398224	Premium Lite Cement			sacks	✓ 410	27.650	11,336.50	65%	3,967.78
488019	FP-6L			gals	✓ 5	104.250	521.25	65%	182.44
499632	Granulated Sugar			lbs	✓ 150	3.840	576.00	65%	201.60
499680	Static Free			lbs	✓ 41	40.700	1,668.70	65%	584.05
499703	Type III Cement			sacks	✓ 147	31.700	4,659.90	65%	1,630.97
SUB-TOTAL FOR Product Material							22,573.36	65.00%	7,900.69
A152	Personnel Per Diem Chrg - Cement Svc			ea	1	210.000	210.00	0%	210.00
M100	Bulk Materials Blending Charge			cu ft	628	5.450	3,422.60	65%	1,197.91
R798	Automatic Density System			job	1	1,990.000	1,990.00	65%	696.50
SUB-TOTAL FOR Service Charges							5,622.60	62.57%	2,104.41
ARRIVE LOCATION :	MO. 03	DAY 04	YEAR 2013	TIME 00:45	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.			SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.	
CUSTOMER REP. BILL FOSTER				CUSTOMER AUTHORIZED AGENT			X CUSTOMER AUTHORIZED AGENT		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS							X BHI APPROVED		



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PRODUCT CODE	DESCRIPTION				UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT
F055A	Cement Pumping, 1001 - 2000 ft <i>Carrizo</i>				4112	1	4,875.000	4,875.00	65%	1,706.25
F090	Fuel pump charge - <input checked="" type="checkbox"/> Front <input type="checkbox"/> W/O <input type="checkbox"/> L/O <input type="checkbox"/>				gump/h	4	70.250	281.00	0%	281.00
J050	Cement Head				job	1	830.000	830.00	65%	290.50
J225	Data Acquisition, Cement, Standard <i>BRINGELSON 2-32-9-58</i>				job	1	2,130.000	2,130.00	65%	745.50
J390	Mileage, Heavy Vehicle				miles	210	11.850	2,488.50	65%	870.98
J391	Mileage, Auto, Pick Up or Treating Vehicle <i>DESCRIPTION: CARRIZO SERVICES</i>				miles	210	6.700	1,407.00	65%	492.45
SUB-TOTAL FOR Equipment								12,011.50	63.48%	4,386.68
J401	Bulk Delivery, Dry Products <i>Ant Approval: 18741.95</i>				ton-mi	2792	3.940	11,000.48	65%	3,850.17
SUB-TOTAL FOR Freight/Delivery Charges								11,000.48	65.00%	3,850.17
CARRIZO Signature: <i>[Signature]</i> FIELD ESTIMATE								51,207.94	64.38%	18,241.95
ARRIVE LOCATION :	MO. 03	DAY 04	YEAR 2013	TIME 00:45	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.			SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.		
CUSTOMER REP. BILL FOSTER					<i>[Signature]</i> CUSTOMER AUTHORIZED AGENT			CUSTOMER AUTHORIZED AGENT <i>[Signature]</i>		
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS								BHI APPROVED X <i>[Signature]</i>		