

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML		DATE 12-AUG-13		F.R. # 10011007181		SERV. SUPV. STEPHEN J CARDOS	
LEASE & WELL NAME BOB WHITE 3-36-8-62 - API 05123377420000		LOCATION 36-8N-62W		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	Cement Basket, Slip On, 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 FT	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
Fresh Water + 2 lbs Red Dye			0	8.34	0		00:00	15	
Type III Cmt + adds			146	14.5	1.41	6.82	02:30	36.58	23.69
Premium Lite Cmt + adds			400	13	1.81	9.46	03:00	129.24	90.10
Fresh Water			0	8.34	0	0	00:00	108.23	
Type III Neat			100	14.8	1.33	6.33	00:00	23.61	15.07
Available Mix Water 300 Bbl. Available Displ. Fluid 300 Bbl. TOTAL			312.66 128.86						

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	1446	1401	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	8RND	WATER BASED ML	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	
108.3	BBLS	Fresh Water	8.34	884	0	0	0	0	3520	3000	RIG TANK

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	4838 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
06:30	0	0	0	0	N/A	YARD CALL	
08:00	0	0	0	0	N/A	LEAVE YARD	
09:30	0	0	0	0	N/A	ARRIVE ON LOCATION	
09:45	0	0	0	0	N/A	SPOT TRUCKS	
09:55	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
10:30	0	0	0	0	N/A	SAFETY MEETING	
10:55	4838	0	0	0	H2O	PRESSURE TEST	
11:03	84	0	4.1	10	H2O	FRESH WATER SPACER	
11:07	88	0	4.1	10	H2O	DYED SPACER	
11:12	155	0	4.1	129	CMT	BATCH/WEIGH/PUMP 13 LB CEMENT	
11:40	191	0	4.1	38	CMT	BATCH/WEIGH/PUMP 14.5 LB CEMENT	
11:52	0	0	0	0	H2O	DOWN/RELEASE PLUG	
11:55	174	0	5.6	50	H2O	DISPLACEMENT	
12:05	231	0	4.1	20	H2O	DROP RATE	
12:10	300	0	2	20	H2O	DROP RATE	
12:20	321	0	1	12	H2O	DROP RATE	

CEMENT JOB REPORT



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 4838 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
12:30	0	0	0	0	H2O	STOP AND WAIT	
12:38	655	0	.5	6	H2O	DISPLACE LAST 6 BBL	
12:53	986	0	0	0	H2O	BUMP PLUG	
12:58	0	0	0	0	H2O	TEST FLOATS/HELD	
13:00	1502	0	0	0	H2O	TEST CASING/HELD PRESSURE	
13:15	0	0	0	0	H2O	WAITED TO SEE IF CEMENT DROPPED	
13:45	0	0	0	0	H2O	NO DROP IN CEMENT	
13:45	0	0	0	0	N/A	JOB DONE	

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	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	74	294	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



CEMENTING LABORATORY REPORT

Lab Report #C08-045-13

COMPANY :	Carrizo Oil & Gas Inc	DATE:	August 13, 2013
WELL NAME:	Bob White 3-36-8-62	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-37742-0000	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):	95 °F
HOLE SIZE("):	12 1/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentontite + 3% Calcium Chloride + 3% Sodium Chloride + 2.0 pps Kol-Seal + 0.08% Static Free + 0.25 pps Cello Flake
#2	Tail Slurry: Type III Cement + 2.0 pps Kol-Seal + 1.5% Calcium Chloride + 0.08 pps Static Free + 0.5 pps Cello Flake
#3	Type III Cement

SLURRY PROPERTIES			#1	#2	#3
Density : ppg			13.00	14.50	14.80
Yield :cu.ft./sk.			1.81	1.41	1.33
Mixing Water: gal/sk.			9.46	6.82	6.33
Water Type:			Fresh	Fresh	Fresh
Testing Temperature :			85 °F	85 °F	85 °F
Thickening Time: hrs:mins.			7:11	2:29	3:02
Free Water: mls.					
Fluid Loss:ml/30min					
Compressive Strength:					
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.