CEMENT JOB REPORT

BAKER HUGHES

CUSTOMER	DATE	F.R. #	SERV. SUPV.
CARRIZO OIL & GAS INC XML	16-OCT-13	10011020007	REESE A ANDERSON

LEASE & WELL NAME	LOCATION	COUNTY-PARISH-BLOCK
STATE 3-36-9-61 - API 05123378960000	36-9N-61W	Weld Colorado
DISTRICT	**DRILLING CONTRACTOR RIG #**	**TYPE OF JOB**
Brighton	Xtreme Coil #17	Intermediate

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	MECHANICAL BARRIERS	MD	TVD	HANGER TYPES	MD	TVD
Cement Plug, Rubber, Top 7 in	Float Collar, Auto Fill, 7 - 8rd						
	Float Shoe 7 - 8rd						

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
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		463	12.5	1.94	10.65	03:30	160.02	117.38
50:50 (Poz:Class G) + adds		115	13.5	1.45	7.07	02:45	29.65	19.35
Drilling Mud	0	0	9.5	0	0	00:00	255.93	
						TOTAL	563.60	136.73

Available Mix Water 400 Bbl. Available Displ. Fluid 400 Bbl.

HOLE SIZE	% EXCESS	DEPTH	TBG-CSG-D.P. ID	OD	WGT.	TYPE	MD	TVD	GRADE	COLLAR DEPTHS SHOE	FLOAT	STAGE
8.75	35	6596	6.366	7	23	CSG	6581	6389	P-110			

LAST CASING ID	OD	WGT	TYPE	MD	TVD	PKR-CMT RET-BR PL-LINER BRAND & TYPE	DEPTH	PERF. DEPTH TOP	BTM	TOP CONN SIZE	THREAD	WELL FLUID TYPE	WGT.
8.9	9.625	36	CSG	1440	1440	NP PACKER	0	0	0	7	8 RD	WATER BASED MU	9.6

DISPL. VOLUME VOLUME	UOM	DISPL. FLUID TYPE	WGT.	CAL. PSI BUMP PLUG	CAL. MAX PSI TO REV.	OP. MAX SQ. PSI	MAX TBG PSI RATED	Operator	MAX CSG PSI RATED	Operator	MIX WATER
257	BBLS	Drilling Mud	9.5	2500	0	0	0	0	0	3000	RIG TANK

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE

PRESSURE/RATE DETAIL TIME HR:MIN.	PRESSURE - PSI PIPE	ANNULUS	RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	EXPLANATION
						SAFETY MEETING: BJ CREW [X] CO. REP. [X]
						TEST LINES 4741 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]
21:00	0	0	0	0	NA	YARD CALL
23:50	0	0	0	0	NA	LEAVE YARD
01:41	0	0	0	0	NA	ARRIVE ON LOCATION
03:07	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP
04:40	0	0	0	0	NA	SAFETY MEETING
05:17	4741	0	0	0	H20	PRESSURE TEST
05:21	367	0	4.8	10	H20	FRESH WATER SPACER
05:29	421	0	4.8	40	SBS	40 BBLS SEAL BOND SPACER
05:45	242	0	5.1	160	CMT	463 SACKS 12.5 PPG CEMENT
06:18	201	0	5.1	31	CMT	115 SACKS 13.5 PPG CEMENT
06:28	0	0	0	0	NA	DROP PLUG
06:33	1120	0	4.8	140	MUD	DISPLACEMENT
07:24	1280	0	3.6	17	MUD	RATE CHANGE
07:30	2504	0	3.6	257	MUD	BUMP PLUG/17 BBLS CEMENT RETURNED/CASING TEST
07:45	0	0	0	0	NA	BLEED OFF/TEST FLOATS
07:50	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN

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PRESSURE/RATE DETAIL						EXPLANATION
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW [X] CO. REP. [X]
	PIPE	ANNULUS				TEST LINES 4741 PSI
						CIRCULATING WELL - RIG [X] BJ [ ]

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] N	2504	[Y] N	17	498	0	Y [N]	

CEMENTING LABORATORY REPORT
Lab Report #C10-053-13

COMPANY :	Carrizo Oil & Gas	DATE:	October 15, 2013
WELL NAME:	State 3-36-9-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Intermediate
API #	05-123-12345-0000	TOC(md):	
DEPTH MD(ft):	6,596 ft	BHST(°F):	182 °F
CASING SIZE("):	7 in	BHCT(°F):	124 °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 + 0.2% FL-52 + 0.25% Cello Flake
#2	Tail Slurry: Class G Cement:Poz:Bentonite (50:50:3) + 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		1.45			
Mixing Water: gal/sk.		10.65		7.07			
Water Type:		Fresh		Fresh			
Testing Temperature :		123 °F		123 °F			
Thickening Time: hrs:mins.		4:42		6:38			
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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