

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML		DATE 18-SEP-13	F.R. # 10011014668	SERV. SUPV. RYAN R STEVENS												
LEASE & WELL NAME STATE 2-36-9-61 - API 05123378970000		LOCATION 36-9N-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	HANGER TYPES	MD	TVD						
Cement Plug, Rubber, Top 9-5/8 in		Float Collar, AI Flap, 9-5/8 - 8rd		None		0	0	None	0	0						
		Float Shoe 9-5/8 - 8rd														
		Cement Basket, Slip On, 9-5/8 in														
		Centralizer, with Pins, 9-5/8 in														
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	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	15					
Type III Cmt + adds						145	14.5	1.42	6.69		36.62	23.10				
Premium Lite Cmt + adds						400	13	1.83	9.36		130.24	89.13				
Fresh Water				N/A		0	8.34	0	0	00:00	109.4					
Type III Neat				N/A		100	14.8	1.33	6.33	00:00	23.61	15.07				
Available Mix Water		400	Bbl.	Available Displ. Fluid		400	Bbl.	TOTAL		314.87	127.29					
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS							
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE				
12.25	0	1484	8.921	9.625	36	CSG	1464	1464	J-55	1464	1415	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 Liner		0	0	0	9.625	8RD	WATER BASED	9.5		
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					
109.4	BBLs	Fresh Water		8.34	384	0	0	0	0	2816	1500	Rig Tank				
Circulation Prior to Job																
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 5 BPM								
Mud Density In: 9.5 LBS/GAL				Mud Density Out: 9.5 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"/>								
Displacement And Mud Removal																
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"/> 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: 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																
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								

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

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	3040 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
18:30	0	0	0	0	N/A	Yard call	
21:44	0	0	0	0	N/A	Time left district	
23:40	0	0	0	0	N/A	Time arrived on location (Rig running CSG) (90 Miles)	
01:57	0	0	0	0	N/A	Spot trucks	
02:00	0	0	0	0	N/A	Pre rig up safety meeting/ Rig Done running CSG	
03:10	0	0	0	0	N/A	Pre job safety meeting	
03:29	0	0	0	2	WATER	Load lines	
03:32	3040	0	0	0	WATER	Pressure test pumps and lines	
03:36	4.8	0	98	20	WATER	Fresh water spacer + Dye	
03:46	129	0	4.8	146	CEMENT	Batch up, weigh and pump 400 SXS of PLC + 0.08Lbs/Sack static free + 3% Calcium chloride + 3 % sodium chloride + 0.5 LBS/sack Cello flake + 2 LBS/SACK Kol Seal + 6% bentonite @ 13.00 PPG	
04:14	86	0	4	33	CEMENT	Mix and pump 145 sxs of Type III + 0.08 LBS/Sack Static free + 1.5% Calcium Chloride + 0.5 LbS/sack Cello Flake + 2 LBS/Sack Kol Seal @ 14.5 PPG	
04:23	0	0	0	0	N/A	Release plug	
04:31	153	0	4.1	50	WATER	Displacement	
04:43	653	0	2	60	WATER	Drop rate	
05:35	1526	0	2	110	WATER	Bump plug @ 110 BBLS away	
05:50	0	0	0	0	N/A	Check floats	
05:50	0	0	0	0	N/A	Wait for 1 Hrs. to see if cement falls	
06:30	0	0	0	0	N/A	Check to see if cement has fallen	
07:00	0	0	0	0	N/A	Pre rig down safety meeting	
07:30	0	0	0	0	N/A	Time off 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	1526	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	50	311	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



CEMENTING LABORATORY REPORT
Lab Report #C09-059-13

COMPANY :	Carrizo Oil & Gas Inc	DATE:	September 18, 2013
WELL NAME:	State 2-36-9-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-37897-0000	TOC(md):	
DEPTH MD(ft):	1,460 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% Bentontite + 3% Calcium Chloride + 3% Sodium Chloride + 0.08% Static Free + 0.5 pps Cello Flake
#2	Tail Slurry: Type III Cement + 2 + 1.5% Calcium Chloride + 0.08 pps Static Free + 0.25 pps Cello Flake
#3	Type III Cement

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		13.00	14.50	14.80
Yield :cu.ft./sk.		1.83	1.42	1.33
Mixing Water: gal/sk.		9.36	6.69	6.33
Water Type:		Fresh	Fresh	Fresh
Testing Temperature :		85 °F	85 °F	91 °F
Thickening Time: hrs:mins.		4:15	2:27	2:33
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.



Baker Hughes JobMaster Program Version 3.60

Job Number: 10011014668

Customer: Carrizo

Well Name: State 2-36-9-61

C992

