

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML				DATE 12-OCT-13		F.R. # 925410007		SERV. SUPV. STEVEN S ISCHE					
LEASE & WELL NAME STATE 3-36-9-61 - API 05123378960000				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, Ball Valve, 9-5/8 - 8rd		NONE		0	0	NONE		0	0		
		Float Shoe 9-5/8 - 8rd											
		Centralizer, Positive, 9-5/8 in											
		Cement Basket, Hinged, 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	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
Fresh Water + 2 lbs Red Dye				N/A		0	8.34	0	0	00:00	20		
Type III Cmt + adds				N/A		145	14.5	1.42	6.69	02:00	35	22.08	
Premium Lite Cmt + adds				N/A		412	13	1.83	9.36	03:00	134	91.70	
Fresh Water				N/A		0	8.34	0	0	00:00	109		
Type III Neat				N/A		100	14.8	1.33	6.33	00:02	23.61	15.07	
Available Mix Water 350 Bbl.				Available Displ. Fluid 213 Bbl.				TOTAL		321.61		128.84	
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
12.25	100	1502	8.921	9.625	36	CSG	1445	1445	J-55	1445	1400	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	8RD	WATER BASED	8.4
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	BBLS	Fresh Water	8.34	382	0	0	0	0	2816	1500	RIG		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 3 BPM				
Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 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				

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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

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 4318 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
19:00	0	0	0	0	N/A	ARRIVE ON LOCATION	
22:30	0	0	0	0	N/A	SPOT TRUCKS AND PRE RIG UP SAFTY MEETING	
01:00	0	0	0	0	N/A	SAFTY MEETING WITH CREW	
01:30	9	0	1	2	H2O	LOAD LINES	
01:34	4318	0	0	0	H2O	PRESSURE TEST	
01:37	118	0	4.8	10	H2O	FRESH WATER SPACER	
01:40	201	0	4.8	10	H2O	DYE WATER SPACER	
01:45	277	0	4.8	134	CEMENT	BATCH UP, WHEIGH AND SEND 13# LEAD	
02:23	125	0	3.5	35	CEMENT	14.5# TAIL	
02:37	0	0	0	0	N/A	DROP PLUG	
02:42	520	0	3.5	90	H2O	DISPLACEMENT	
03:07	521	0	2	19	H2O	RATE CHANGE	
03:23	1002	0	0	0	N/A	BUMP PLUG AND HOLD FOR 15 MIN	
03:38	0	0	0	0	N/A	TEST FLOATS AND RIG DOWN SAFTY MEETING	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1002	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 53	TOTAL BBL. PUMPED 300	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature:



CEMENTING LABORATORY REPORT

Lab Report #C10-041-13

COMPANY :	Carrizo Oil & Gas Inc	DATE:	October 11, 2013
WELL NAME:	State 3-36-9-61	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-37896-0000	TOC(md):	
DEPTH MD(ft):	1,502 ft	BHST(°F):	110 °F
CASING SIZE("):	9 5/8 in	BHCT(°F):	86 °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, 0.08% Static Free + 0.5 pps Cello Flake + 2 pps Kol-Seal	
#2	Tail Slurry: Type III Cement , 2 pps Kol-Seal, 1.5% Calcium Chloride, 0.08 pps Static Free, 0.5 pps Cello Flake + 2 pps Kol-Seal	0.5
#3	Top Out Slurry: 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 :			86 °F	88 °F	85 °F
Thickening Time: hrs:mins.			6:46	4:56	3:02
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.

