

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML				DATE 12-NOV-13		F.R. # 10011026126		SERV. SUPV. STEVEN S ISCHE					
LEASE & WELL NAME CASTOR 5-36-9-59 - API 05123383690000				LOCATION 36-9N-59W				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		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											
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	15		
Type III Cmt + adds				C1103013		146	14.5	1.41	6.82	02:59	34	22.02	
Premium Lite Cmt + adds				C1103013		400	13	1.81	9.46	04:41	122	85.05	
Fresh Water				N/A		0	8.34	0	0	00:00	105		
Type III Neat				C1103013		100	14.8	1.33	6.33	02:45	24	15.31	
Available Mix Water 280 Bbl.				Available Displ. Fluid 170 Bbl.				TOTAL		300	122.39		
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	1401	1401	J-55	1401	1358	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	8.6
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			
105	BBLS	Fresh Water	8.34	372	0	0	0	0	2816	1500	RIG		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 2			Circulation Rate: 3 BPM				
Mud Density In: 8.6 LBS/GAL Mud Density Out: 8.6 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: 14			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: 1500 PSI With 8.34 LBS/GAL Mud						Time Held: 00 Hours 30 Minutes							
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE													

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)
 BAD RIG CORDINATES AND BAD DIRECTIONS 1.25 HOURS LATE

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	4575 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
12:00	0	0	0	0	N/A	YARD CALL	
02:40	0	0	0	0	N/A	LEAVE YARD	
05:45	0	0	0	0	N/A	ARRIVE ON LOCATION AND SPOT TRUCKS AND PRE RIG UP SAFTY MEETING	
06:30	0	0	0	0	N/A	SAFTY MEETING WITH CREW	
07:34	22	0	1.5	2	H2O	LOAD LINES	
07:38	4575	0	0	0	H2O	PRESSURE TEST	
07:40	471	0	7	10	H2O	FRESH WATER SPACER	
07:43	502	0	7	10	H2O	DYE WATER SPACER	
07:45	480	0	5	122	CEMENT	BATCH UP, WHEIGH AND SEND 13# LEAD	
08:17	241	0	3.2	34	CEMENT	14.5# TAIL	
08:30	0	0	0	0	N/A	DROP PLUG	
08:36	555	0	4.8	80	H2O	DISPLACEMENT	
08:54	540	0	3.6	15	H2O	RATE CHANGE	
08:58	481	0	2	10	H2O	RATE CHANGE	
09:03	1002	0	0	0	H2O	BUMP PLUG	
09:05	0	0	0	0	H2O	TEST FLOATS	
09:09	1523	0	0	0	H2O	CASING TEST (1455)	
09:39	0	0	0	0	N/A	END CASING TEST	
10:25	40	0	1.2	24	CEMENT	14.8# TOP OUT (5 BBLS TO SURFACE)	
11:07	0	0	0	0	N/A	SHUT DOWN AND RIG DOWN SAFTY MEETING	
12:00	0	0	0	0	N/A	LEAVE 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	1002	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	53	304	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	



CEMENTING LABORATORY REPORT

Lab Report #C1103013

COMPANY :	Carrizo Oil & Gas Inc	DATE:	November 11, 2013
WELL NAME:	Castor #5-36-9-59	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	5-123-38369-0000	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):	94 °F
HOLE SIZE("):	12 1/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentontite II, 3% Calcium Chloride , 3% Sodium Chloride, 0.08% Static Free, 0.25 pps Cello Flake
#2	Tail Slurry: Type III Cement + 1.5% Calcium Chloride, 0.08 pps Static Free, 0.25 pps Cello Flake
#3	Slurry No. 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	84 °F
Thickening Time: hrs:mins.		4:41	2:59	2:45
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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