

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 14-OCT-14		F.R. # 10011108158			SERV. SUPV. BRYAN J BARBARIGOS						
LEASE & WELL NAME HEMBERGER #6-26-8-60 - API 05123392780000			LOCATION 26-8N-60W			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 Shoe 9-5/8 - 8rd			NONE		0	0	NONE		0	0		
		700-LAP-PVTS Float Collar, 9-5/8 inc												
		Centralizer, with Pins, 9-5/8 in												
		Cement Basket, Slip On, 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				N/A		146	14.5	1.41	6.82	02:37	36.58	23.70		
Premium Lite Cmt + adds				N/A		400	13	1.81	9.46	00:49	129.24	90.09		
Fresh Water				N/A		0	8.34	0	0	00:00	108.23			
Available Mix Water 400 Bbl.				Available Displ. Fluid 400 Bbl.		TOTAL					289.05	113.79		
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
12.25	100	1465	8.921	9.625	36	CSG	1444	1444	J-55	1444	1399	1		
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		70	70	NO PACKER		0	0		9.625	8RND	FRESH WATER	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			
108.2	BBLS	Fresh Water		8.34	376	0	0	0	0	2816	2000	FRAC 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: 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 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 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						
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING-NONE														

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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	

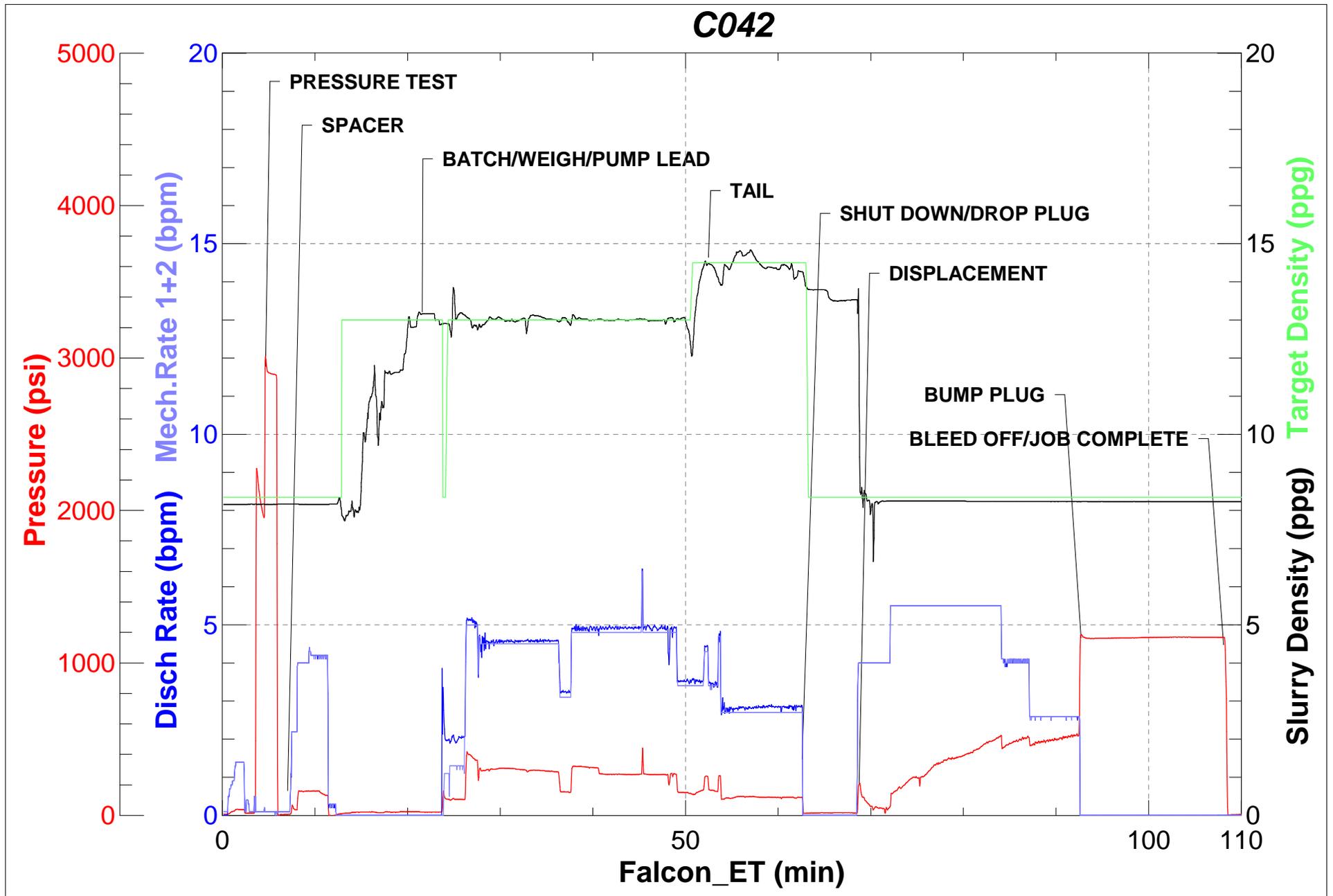
Problems Before Job (I.E. Running Casing, Circulating Well, ETC)
NONE

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

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 3024 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
06:32	0	0	0	0	N/A	LEAVE YARD	
08:21	0	0	0	0	N/A	ARRIVE ON LOCATION/75 MILES/RIG IS RUNNING CASING/3 HOURS WAITING ON RIG	
11:55	0	0	0	0	N/A	PRE RIG UP MEETING	
12:53	0	0	0	0	N/A	PRE JOB MEETING	
13:11	39	0	1.4	2	H2O	LOAD LINES	
13:15	3024	0	.8	1	H2O	PRESSURE TEST	
13:17	145	0	4	15	H2O	DYED SPACER	
13:23	400	0	5.1	121	CMT	BATCHWEIGH/PUMP 400 SX OF LEAD CEMENT AT 13PPG	
14:02	113	0	2.7	36	CMT	PUMP 146 SX OF TAIL CEMENT AT 14.5PPG	
14:12	0	0	0	0	H2O	SHUT DOWN/DROP PLUG	
14:19	254	0	5.5	80	H2O	DISPLACEMENT	
14:35	467	0	4	15	H2O	SLOW RATE	
14:39	467	0	2.6	13	H2O	SLOW RATE	
14:44	1164	0	0	108	H2O	BUMP PLUG	
14:59	0	0	0	0	H2O	TEST FLOATS/FLOATS HELD	
15:04	0	0	0	0	N/A	RIG DOWN SAFTY MEETING	

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	548	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	43	286	0	Y <input checked="" type="checkbox"/> N	





CEMENTING LABORATORY REPORT
Lab Report #C10-038-14

COMPANY :	Carrizo Oil & Gas Inc	DATE:	October 11, 2014
WELL NAME:	Hemberger #6-26-8-60	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-39278-0000	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% Bentonite II + 3% CaCl ₂ + 3% NaCl ₂ + 0.04% Static Free + 0.25 pps Cello Flake + 0.5 gals/100 sack FP-6L	+
#2	Tail Slurry: Type III Cement + 1.5% CaCl ₂ + 0.04 pps Static Free + 0.25 pps Cello Flake + 0.5 gals/100 sack FP-6L	+
#3		

SLURRY PROPERTIES		#1	#2	#3
Density : ppg		13.00	14.50	
Yield :cu.ft./sk.		1.81	1.41	
Mixing Water: gal/sk.		9.46	6.82	
Water Type:		Fresh	Fresh	
Testing Temperature :		84 °F	85 °F	
Thickening Time: hrs:mins.		3:53	2:05	
Free Water: mls.				
Fluid Loss:ml/30min				
Compressive Strength:				
	hrs.			
	hrs.			
Rheologies	RPM			
	300			
	200			
	100			
	60			
	30			
	6			
	3			
	600			
	PV			
	YP			
Gel Strength : #/100sq.ft.	10 sec.			
	10 min.			

REMARKS :

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