

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML			DATE 03-JUN-13		F.R. # 1001991934		SERV. SUPV. FELIPE LANDA						
LEASE & WELL NAME PERGAMOS 1-4-34-7-60 - API 05123363380000			LOCATION 4-7N-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		Centralizer, with Pins, 9-5/8 in											
		Float Collar, Auto Fill, 9-5/8 - 8rd											
		Float Shoe 9-5/8 - 8rd											
		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				0		0	8.34	0	0	00:00	15		
Type III Cmt + adds						147	14.5	1.40	6.81	02:30	36.70	23.83	
Premium Lite Cement + adds						410	13	1.77	9.20	03:00	129.06	89.81	
Fresh Water				0		0	8.34	0	0	00:00	108.23		
Type III Neat						100	14.8	1.33	6.33		23.61	15.07	
Available Mix Water 400 Bbl.				Available Displ. Fluid 400 Bbl.				TOTAL		312.60 128.70			
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
12.25	100	1424	8.921	9.625	36	CSG	1404	1404	J-55	1404	1360		
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	0	9.625	8RD	WATER BASED	
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	3520	2816	TANK		
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: 8.8 LBS/GAL Mud Density Out: 8.8 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: .5 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: 15			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: 1524 PSI With 8.34 LBS/GAL Mud						Time Held: 00 Hours 30 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	4800 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
11:30	0	0	0	0	NA	YARD CALL	
18:05	0	0	0	0	NA	ARRIVE ON LOCATION (RIG RUNNING CASING)	
22:45	0	0	0	0	NA	SPOT TRUCKS/ PRE RIG UP SAFETY MEETING	
23:25	0	0	0	0	NA	SAFETY MEETING	
23:49	13	0	1	2	H2O	LOAD LINES	
23:52	1475	0	0	0	H2O	LOW PRESSURE TEST	
23:54	4800	0	0	0	H2O	HIGH PRESSURE TEST	
23:58	180	0	5.2	10	H2O	SPACER	
00:01	189	0	5.2	10	H2O	DYE SPACER	
00:07	270	0	5.2	135	LEAD	BATCH UP AND PUMP 410 SKS OF PREMIUM LITE CEMENT + 0.08% STATIC FREE + 3% CALCIUM CHLORIDE + 0.25 LBS/SK CELLO FLAKE + 6% BENTONITE @ 13 PPG	
00:40	97	0	3.1	35	TAIL	PUMP 147 SKS OF TYPE 3 CEMENT + 0.08 LBS/SK STATIC FREE + 1% CALCIUM CHLORIDE + 0.25 LBS/SK CELLO FLAKE @ 14.5 PPG	
00:57	0	0	0	0	NA	RELEASE PLUG	
00:58	215	0	5.3	70	H2O	DISPLACE	
01:15	425	0	4	20	H2O	RATE CHANGE	
01:17	428	0	2	15	H2O	RATE CHANGE	
01:25	1073	0	0	0	H2O	BUMP PLUG @ 105 BBLs (70 BBLs CEMENT TO SURFACE)	
01:28	0	0	0	0	H2O	CHECK FLOATS	
01:30	1524	0	.7	.5	H2O	CASING TEST (30 MIN)	
02:15	12	0	1	9	TAIL	BATCH UP AND PUMP 50 SKS OF TOP OUT TYPE 3 CEMENT @ 14.8 PPG	
02:50	0	0	0	0	NA	POST JOB RIG DOWN SAFETY MEETING	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1073	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 70	TOTAL BBL. PUMPED 304	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Service Supervisor Signature:



CEMENTING LABORATORY REPORT

Lab Report #C06-006-13

COMPANY :	Carrizo Oil & Gas	DATE:	June 2, 2013
WELL NAME:	Pergamos 1-4-34-7-60	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Surface
API #	05-123-36638-0000	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 + 3% Calcium Chloride + 0.08% Static Free + 0.25 pps Cello Flake
#2	Tail Slurry: Type III Cement + 1% Calcium Chloride + 0.08 pps Static Free + 0.25 pps Cello Flake
#3	

SLURRY PROPERTIES			#1	#2	#3
Density : ppg			13.00	14.50	
Yield :cu.ft./sk.			1.77	1.40	
Mixing Water: gal/sk.			9.20	6.81	
Water Type:			Fresh	Fresh	
Testing Temperature :			85 °F	85 °F	
Thickening Time: hrs:mins.			5:54	3:08	
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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