

CEMENT JOB REPORT



CUSTOMER CARRIZO OIL & GAS INC XML				DATE 07-JUN-13		F.R. # 870210013				SERV. SUPV. VITALIJS A NEVERDASOV			
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 Intermediate					
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD		
Cement Plug, Rubber, Bottom 7 in		Float Shoe 7 - 8rd		NONE		0	0	NONE		0	0		
Cement Plug, Rubber, Top 7 in		Float Collar, Al Flap, 7 - 8rd											
		Centralizer, with Pins, 7 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	
Drilling Mud							9.5				68		
Fresh Water							8.33				10		
SealBond + SB Plus							8.4				40		
Premium Lite Cmt + adds						401	12.5	1.94	10.65	03:30	138.59	101.67	
50/50 (Poz/Class G) + adds						182	13.5	1.45	7.07	9900	46.93	30.62	
Drilling Mud							9.5				251.17		
Available Mix Water _____ Bbl.				Available Displ. Fluid _____ Bbl.				TOTAL		554.68		132.29	
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE	
8.75	35	6385	6.366	7	23	CSG	6368	6368	P-110	6368	6281	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.
8.9	9.63	36	CSG	1404	1404	NO PACKER	0	0	0	7	8 RND	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			
247.2	BBLS	Drilling Mud	9.5	1059	0	0	0	0	7968	2000	RIG TANK		
Circulation Prior to Job													
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1.5			Circulation Rate: 5 BPM				
Mud Density In: 9.5 LBS/GAL Mud Density Out: 9.5 LBS/GAL						PV & YP Mud In: 13			PV & YP Mud Out: 13				
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: 1.5 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO						Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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: 50			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: 1541 PSI With 9.5 LBS/GAL Mud						Time Held: 00 Hours 30 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)
 LANDING JOINT COLLAR WAS LEAKING/HAD TO BE REPLACED

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)
 NONE

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: LANDING JOINT COLLAR WAS LEAKING/HAD TO BE REPLACED

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 5025 PSI	
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
18:25	0	0	0	0	N/A	LEAVE DISTRICT	
20:05	0	0	0	0	N/A	ARRIVE LOCATION, 79 MILES	
20:15	0	0	0	0	N/A	SPOT TRUCKS	
20:30	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
21:05	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
21:35	285	0	1	1	H2O	LOAD LINES	
21:40	5025	0	.4	.1	H2O	PRESSURE TEST	
21:45	0	0	0	0	N/A	LANDING JOINT COLLAR LEAKING/REPLACED	
22:30	4301	0	.4	.2	H2O	PRESSURE TEST	
22:36	603	0	5.3	60	MUD	PUMP SPACER/ MUD WITH MAGNACIDE	
22:47	537	0	5.3	10	H2O	PUMP SPASER/H2O WITH MAGNACIDE	
22:50	540	0	5.3	40	SEAL	PUMP SPACER/SEAL BOND WITH MAGNACIDE	
23:03	694	0	5.3	0	CMT	BATCHWEIGH/PUMP LEAD CMT @ 12.5 PPG	
23:23	120	0	3.5	48	CMT	PUMP TAIL CMT @ 13.5 PPG	
23:48	0	0	0	0	N/A	SHUT DOWN/ DROP PLUG	
23:52	1016	0	5.3	180	MUD	DISPLACEMENT	
00:30	1240	0	4.8	190	MUD	SLOW RATE	
00:36	1220	0	3.6	215	MUD	SLOW RATE	
00:38	1260	0	2	227	MUD	SLOW RATE	
00:45	1710	0	0	247	MUD	BUMP PLUG	
00:50	0	0	0	0	N/A	BLEED OFF/CHECK FLOATS/FLOATS HELD	
00:55	1541	0	.8	0	MUD	CASING TEST	
01:25	0	0	0	0	N/A	BLEED OFF	
01:35	0	0	0	0	N/A	RIG DOWN SAFETY MEETING	
BUMPED PLUG <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	PSI TO BUMP PLUG 1710	TEST FLOAT EQUIP. <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 0	TOTAL BBL. PUMPED 545	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 #C06-019-13

COMPANY :	Carrizo Oil & Gas	DATE:	June 5, 2013
WELL NAME:	Pergamos 1-4-34-7-60	LOCATION:	Weld County, Colorado
DISTRICT:	Brighton	TYPE JOB:	Intermediate
API #	05-123-36338-0000	TOC(md):	
DEPTH MD(ft):	6,460 ft	BHST(°F):	205 °F
CASING SIZE("):	7 in	BHCT(°F):	134 °F
TUBING SIZE("):		BHSqT(°F):	172 °F
HOLE SIZE("):	8 3/4 in	TOL (°F):	Static Circ

SLURRY DESIGN DATA

#1	Lead Slurry: Premium Lite Cement + 6% Bentonite + 0.2% FL-52 + 0.25% Cello Flake
#2	Tail Slurry: Class G Cement:Poz:Bentonite (50:50:3) + 0.5% SMS + 0.4% FL-52
#3	

SLURRY PROPERTIES			#1	#2	#3
Density : ppg			12.50	13.50	
Yield :cu.ft./sk.			1.94	1.45	
Mixing Water: gal/sk.			10.65	7.07	
Water Type:			Rig	Rig	
Testing Temperature :			132 °F	132 °F	
Thickening Time: hrs:mins.			2:36	2:40	
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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