

# CEMENT JOB REPORT



<b>CUSTOMER</b> CARRIZO OIL & GAS INC XML				<b>DATE</b> 16-APR-13		<b>F.R. #</b> 1001980751		<b>SERV. SUPV.</b> CALEB C KINGSLEY						
<b>LEASE &amp; WELL NAME</b> NELSON 3-17-9-60 - API 05123368650000				<b>LOCATION</b> 17-9N-60W				<b>COUNTY-PARISH-BLOCK</b> Weld Colorado						
<b>DISTRICT</b> Brighton				<b>DRILLING CONTRACTOR RIG #</b> Xtreme Coil #19				<b>TYPE OF JOB</b> Surface						
<b>SIZE &amp; TYPE OF PLUGS</b>		<b>LIST-CSG-HARDWARE</b>		<b>MECHANICAL BARRIERS</b>		<b>MD</b>	<b>TVD</b>	<b>HANGER TYPES</b>		<b>MD</b>	<b>TVD</b>			
Cement Plug, Rubber, Top 9-5/8 in		Centralizer, with Pins, 9-5/8 in		NONE		0	0	NONE		0	0			
		Float Collar, Auto Fill, 9-5/8 - 8rd		NONE		0	0	NONE		0	0			
		Guide Shoe, Texas-Notched 9-5/8 i		NONE		0	0	NONE		0	0			
<b>MATERIALS FURNISHED BY BJ</b>				<b>LAB REPORT NO.</b>				<b>PHYSICAL SLURRY PROPERTIES</b>						
								<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>WATER GPS</b>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>
Fresh Water + 2 lbs Red Dye				0				8.34	0	0	00:00	15		
Type III Cement + adds				C04-065-13				147	14.5	1.40	6.81	03:26	36.70	23.83
Premium Lite Cement + adds				C04-065-13				410	13	1.77	9.20	05:00	129.06	89.81
Fresh Water				0				8.34	0	0	00:00	103		
<b>Available Mix Water</b> 200 <b>Bbl.</b>				<b>Available Displ. Fluid</b> 200 <b>Bbl.</b>				<b>TOTAL</b>				283.76	113.63	
<b>HOLE</b>			<b>TBG-CSG-D.P.</b>							<b>COLLAR DEPTHS</b>				
<b>SIZE</b>	<b>% EXCESS</b>	<b>DEPTH</b>	<b>ID</b>	<b>OD</b>	<b>WGT.</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>	<b>SHOE</b>	<b>FLOAT</b>	<b>STAGE</b>		
12.25	0	1431	8.921	9.625	36	CSG	1380	1380	J-55	1380	1333	0		
<b>LAST CASING</b>				<b>PKR-CMT RET-BR PL-LINER</b>				<b>PERF. DEPTH</b>		<b>TOP CONN</b>		<b>WELL FLUID</b>		
<b>ID</b>	<b>OD</b>	<b>WGT</b>	<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>BRAND &amp; TYPE</b>	<b>DEPTH</b>	<b>TOP</b>	<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>TYPE</b>	<b>WGT.</b>	
15.	16	65		70	70	NO PACKER OR CEMENT R	0	0	0	9.625	8RND	WATER BASED	9.1	
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>		<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>	<b>MAX TBG PSI</b>		<b>MAX CSG PSI</b>		<b>MIX WATER</b>			
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>	<b>SQ. PSI</b>	<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>				
103	BBLS	Fresh Water	8.34	369.6	0	0	0	0	3520	2816	RIG TANK			
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1			Circulation Rate: 6 BPM					
Mud Density In: 9.1 LBS/GAL Mud Density Out: 9.1 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"/>								
<b>Displacement And Mud Removal</b>														
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: 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														
<b>Plugs</b>														
Number of Attempts by BJ: 0 Competition:						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					
<b>Squeezes (Update Original Treatment Report for Primary Job)</b>														
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								
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>														
Casing Test Pressure: 1500 PSI With 9.1 LBS/GAL Mud						Time Held: 00 Hours 15 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	4002 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
01:30	0	0	0	0	NA	LEAVE THE DISTRICT	
03:30	0	0	0	0	NA	SHUT THE JOB DOWN BECAUSE OF BAD ROAD CONDITIONS. BOTH COMPANY MAN AND OPS SUPERVISOR AGREED.	
07:15	0	0	0	0	NA	CONTINUED ON TO LOCATION AFTER EVALUATING ROAD CONDITIONS.	
08:15	0	0	0	0	NA	ARRIVE TO LOCATION	
09:15	0	0	0	0	NA	SPOT TRUCKS	
10:45	0	0	0	0	NA	SAFETY MEETING	
11:37	4002	0	.4	1	H2O	PRESSURE TEST	
11:43	210	0	4.8	15	H2O	FRESH WATER SPACER	
11:49	0	0	0	0	NA	SHUT DOWN AND PREPARED FOR CMT	
11:51	198	0	4.8	130	CMT	BATCH AND PUMP LEAD CMT @ 13 PPG	
12:23	124	0	3.6	35	CMT	PUMP THE TAIL CMT @ 14.5 PPG	
12:34	0	0	0	0	NA	SHUT DOWN AND WASH UP PUMP	
12:37	0	0	0	0	NA	DROP THE PLUG	
12:44	84	0	4.8	50	H2O	DISPLACEMENT	
12:51	134	0	4.8	0	H2O	CAUGHT PRESSURE/CMT WITH 30 BBL OF DISPLACEMENT PUMPED	
12:55	217	0	4.8	0	H2O	CMT TO SURFACE WITH 48 BBL OF DISPLACEMENT PUMPED. 55 BBL OF CMT RETURNED TO SURFACE.	
12:56	164	0	3.6	30	H2O	DROP RATE	
13:04	299	0	2.4	23	H2O	DROP RATE	
13:14	543	0	2.4	103	H2O	FINAL LIFT	
13:14	1023	0	2.4	0	H2O	BUMP PLUG	
13:17	996	0	0	0	H2O	BLEED OFF PRESSURE AND CHECK FLOATS. THE FLOATS HELD	
13:21	1530	0	1	1	H2O	START 30 MIN. CASING TEST	
13:51	1502	0	0	0	H2O	BLEED OFF CASING TEST. FLOATS DID HOLD.	
14:18	73	0	1.2	5	CMT	TOP OUT CMT PUMPED @ 15.8 PPG	
14:27	85	0	1.5	5	CMT	TOP OUT #2 PUMPED AT 15.8 PPG	
14:40	0	0	0	0	NA	SHUT DOWN AND CLEAN UP.	
15:45	0	0	0	0	NA	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	543	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	55	293	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	