

# CEMENT JOB REPORT



<b>CUSTOMER</b> EXTRACTION OIL AND GAS		<b>DATE</b> 29-MAY-15	<b>F.R. #</b> 10011158061		<b>SERV. SUPV.</b> Daniel F Kuenz		
<b>LEASE &amp; WELL NAME</b> WAAG #16 - API 05123403630000		<b>LOCATION</b> 19-7N-65W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> RD20 White Mountain		<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>	
9-5/8" Top Cem Plug, Nitrile cvr, Phe	Float Collar, Pop Valve, 9-5/8 - 8rd						
	Guide Shoe, Cement Nose, 9-5/8 i						
	Stop Collar, 9-5/8 in						
	Centralizer, with Pins, 9-5/8 in						
	Thread Locking Compound						
<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>	
Fresh Water + Dye				8.34			
III+.08%St+1.5%CaCl+...15#skCF+.01gpsFP6L		C05-073-15	390	14.5	1.41	6.82	
Fresh Water				8.34			
Available Mix Water 100 Bbl.		Available Displ. Fluid 100 Bbl.	<b>TOTAL</b>		172	63.48	
<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>
13.5	20	871	8.921	9.625	36	CSG	871 871 J-55
<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>
						No Packer	0 9.625 8RND
<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>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>
64.1	BBLS	Fresh Water	8.34	269	0	0	0 0 3520 2816
<b>MIX WATER</b> Rig Tanks							
<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: 8.4 LBS/GAL Mud Density Out: 8.4 LBS/GAL				PV & YP Mud In: 9		PV & YP Mud Out: 9	
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: .25 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: 9		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: 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: FT Bottom of Plug: 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: Fluid Weight: LBS/GAL	
<b>Casing Test (Update Original Treatment Report for Primary Job)</b>							
Casing Test Pressure: PSI With LBS/GAL Mud				Time Held: Hours Minutes			
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:</b> Rig on bottom circulating when we arrived on location							

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## Shoe Test (Update Original Treatment Report for Primary Job)

Depth Drilled out of Shoe: FT Target EMW: LBS/GAL Actual EMW: LBS/GAL  
 Number of Times Tests Conducted: Mud Weight When Test was Conducted: 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	3690 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
13:00						YARD CALL	
14:45						PRE-JOB CONVOY SAFETY MEETING	
15:00						DEPART BHI YARD	
16:15	6	0	200	360	H2O	CASING LANDED, RIG CIRCULATING	
16:30						ARRIVE ON LOCATION	
16:35						CHECK IN WITH COMPANY MAN	
16:40						SAFETY WALK AROUND ON LOCATION	
16:45						PRE-RIG UP SAFETY MEETING	
16:55						SPOT CEMENT EQUIPMENT ON LOCATION	
17:10						STAB CEMENT HEAD	
17:30						PRE-JOB SAFETY MEETING	
17:39	69	0	2.6	3	H2O	LOAD LINES, FRESH WATER	
17:41	3690	0	0	0	H2O	PRESSURE TEST HARD LINES	
17:45	96	0	3.9	10	H2O	FRESH WATER w/ DYE SPACER	
17:48	0	0	0	0	CEMENT	SHUT DOWN, BATCH UP CEMENT TO 14.5#	
17:52	169	0	2.9	50	CEMENT	390sks TYPE III @ 14.5# CEMENT SLURRY	
18:09	96	0	3.6	47.9	CEMENT	390sks TYPE III @ 14.5# CEMENT SLURRY	
18:27	0	0	0	0	CEMENT	SHUT DOWN, DROP TOP PLUG	
18:35	196	0	4.8	30	H2O	FRESH WATER DISPLACEMENT	
18:42	389	0	6	30	H2O	FRESH WATER DISPLACEMENT	
18:49	369	0	2.6	4.1	H2O	SLOW RATE, FRESH WATER DISPLACEMENT	
18:50	1096	0	0	0	H2O	BUMP PLUG 500 psi OVER FINAL LIFT PRESSURE	
18:53	1096	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE	
18:54	0	0	0	0	H2O	FLOATS HELD, 1/4 bbls FLOWED BACK	
18:55						SHUT DOWN, TURNED WELL BACK OVER TO RIG	
18:56						POST-JOB SAFETY MEETING, RIG DOWN	
19:00						WASH UP RIG'S CELLER PUMP	
						19 bbls OF CEMENT BACK TO SURFACE	
						TOP OF CEMENT @ SURFACE	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL & THE CREW	
19:50						POST-JOB CONVOY SAFETY MEETING	
20:00						DEPART LOCATION	
21:30						ARRIVE BACK ON BHI YARD	

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 type="checkbox"/> Y <input checked="" type="checkbox"/> N	1096	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	19	172	0	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	