

# CEMENT JOB REPORT



<b>CUSTOMER</b> BAYSWATER EXPLORATION &		<b>DATE</b> 16-JUL-15	<b>F.R. #</b> 10011166241		<b>SERV. SUPV.</b> Daniel F Kuenz								
<b>LEASE &amp; WELL NAME</b> CARLSON #H-15-16HC - API 05123417170000		<b>LOCATION</b> 15-5N-65W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado									
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> FRONTIER 8		<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, Dif Fill, 9-5/8 - 8rd												
	Guide Shoe, Cement Nose, 9-5/8 i												
	Stop Collar, 9-5/8 in												
	Cement Basket, Slip On, 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>	<b>PUMP TIME HR:MIN</b>	<b>Bbl SLURRY</b>	<b>Bbl MIX WATER</b>				
Fresh Water w/ Dye				8.34				20					
III+.08#skSt+1%CaCl+.25#skCF+.01gpsFP6L		C07-033-15	245	14.5	1.40	6.80	02:09	68.6	44.47				
Fresh Water				8.34				61.8					
Available Mix Water 200 Bbl.		Available Displ. Fluid 200 Bbl.	<b>TOTAL</b>				150.4	44.47					
<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	30	850	8.921	9.625	36	CSG	839	839	J-55	839	795.4	1	
<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>
						No Packer	0			9.625	8RND	FRESH WATER	8.6
<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>			
61.8	BBLS	Fresh Water	8.34	269	0	0	0	0	3520	2816	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: 8.6 LBS/GAL Mud Density Out: 8.6 LBS/GAL						PV & YP Mud In: 12			PV & YP Mud Out: 12				
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: 8		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: 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				
<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: 0 PSI						With 0 LBS/GAL Mud		Time Held: 00 Hours 00 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)  
 None

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

### EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:

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 3069 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>
15:00						YARD CALL 7/15/15 FOR CARLSON F WELL
18:10						ARRIVED ON LOCATION 7/15/15
09:00						7/16/15 ALL EO'S OFF DUTY WELLSITE AFTER COMPLETEING Carlson G WELL
19:00						ALL EO'S BACK ON DUTY
19:02						SAFETY WALK AROUND ON LOCATION
19:05						PRE-RIG UP SAFETY MEETING
19:10						SPOT CEMENT EQUIPMENT ON LOCATION
19:30						READY TO SERVICE, ALL EO'S OFF DUTY WELLSITE, RIG RUNNING CASING
20:30	96	0	6	240	H2O	CASING LANDED, RIG CIRCULATING
20:35						ALL EO'S BACK ON DUTY, RUN IRON TO RIG FLOOR
20:45						ALL EO'S OFF DUTY WELLSITE, RIG HAVING PROBLEMS WITH CELLAR PUMPS
21:15						ALL EO'S BACK ON DUTY
21:20						PRE-JOB SAFETY MEETING
21:30						STAB CEMENT HEAD
21:42	9	0	2.4	2	H2O	LOAD LINES, FRESH WATER SPACER
21:43	3069	0	0	0	H2O	PRESSURE TEST HARD LINES
21:49	39	0	3.6	18	H2O	FRESH WATER w/ DYE SPACER
21:55	0	0	0	0	CEMENT	BATCH UP CEMENT SLURRY TO 14.5#
22:01	69	0	3.2	50	CEMENT	275sks TYPE III @ 14.5# CEMENT SLURRY
22:17	69	0	3.2	18.6	CEMENT	275sks TYPE III @ 14.5# CEMENT SLURRY
22:29	0	0	0	0	CEMENT	SHUT DOWN, WASH UP CEMENT PUMP, DROP TOP PLUG
22:33	69	0	4.9	25	H2O	FRESH WATER DISPLACEMENT
20:38	146	0	4.9	25	H2O	CAUGHT CEMENT, FRESH WATER DISPLACEMENT
22:44	296	0	2.4	11.8	H2O	SLOW RATE, FRESH WATER DISPLACEMENT
22:49	690	0	0	0	H2O	BUMP PLUG 250 psi OVER FINAL LIFT PRESSURE
22:52	696	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE
22:53	0	0	0	0	H2O	FLOATS HELD, 1/4 bbl FLOWED BACK
22:55						SHUT DOWN, TURNED WELL BACK OVER TO RIG
23:00						POST-JOB SAFETY MEETING, RIG DOWN
						16 bbls OF CEMENT BACK TO SURFACE
						TOP OF CEMENT @ SURFACE
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL & THE CREW

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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	3069 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
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	690	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	16	150.4	0	Y <input checked="" type="checkbox"/> N	

## 9.625" Surface C103

