

## CEMENT JOB REPORT



<b>CUSTOMER</b> BAYSWATER EXPLORATION &		<b>DATE</b> 04-APR-15	<b>F.R. #</b> 10011147860		<b>SERV. SUPV.</b> Daniel F Kuenz									
<b>LEASE &amp; WELL NAME</b> SHERLEY #F-4-9HN - API 05123408970000		<b>LOCATION</b> 4-5N-65W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado										
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Frontier 10		<b>TYPE OF JOB</b> Intermediate										
<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 MD TVD</b>								
7" Top Cem Plug, Nitrile cvr, Phen	Float Collar, Pop Valve, 7 - 8rd													
	Float Shoe, Up Jet, 7in., 32 ppf, 8r													
	Stop Collar, 7 in													
	Centralizer, with Pins, 7 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				8.34				20						
MUD CLEAN I				8.5				20						
FRESH WATER				8.34				20						
PLHS+.1%R3+.25#sCF+.7%FL52A+.2%ASA301			470	12	2.42	13.59		202.6	152.30					
+.1%SMS+.2%FL66+.01gpsFP6L				12				0						
50:50Poz:G+.3%CD32+.6%FL52A+.3%SMS			230	14.4	1.22	5.37		50	29.42					
+.2%FL66+2%Gel+.01gpsFP6L				14.4				0						
Fresh Water				8.34				272.9						
Available Mix Water 250 Bbl.		Available Displ. Fluid 450 Bbl.		TOTAL		585.5		181.72						
<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>		
8.75	25	7400	6.184	7	29	CSG	7390	6905	P-110	7390	7340.8	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>
8.9	9.63	36	CSG	831	831	No Packer		0	0	0	7	BTC	WATER BASED	10.2
<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>				
272.9	BBLS	Fresh Water	8.34	1609	0	0	0	0	11220	8976	Rig Tanks			
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Circulation Time: 1.5				Circulation Rate: 8 BPM				
Mud Density In: 10.2 LBS/G Mud Density Out: 10.2 LBS/GAL						PV & YP Mud In: 17				PV & YP Mud Out: 17				
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: 2.25 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: 59				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>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING:</b> Rig running into hole with casing when we arrived on location. Appro 6 joints left to run.														

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## Squeezes (Update Original Treatment Report for Primary Job)

BLOCK SQUEEZE ☐ SHOE SQUEEZE ☐ TOP OF LINER SQUEEZE ☐ PLANNED ☐ UNPLANNED ☐  
 Liner Packer: ☒ NO ☐ YES Bond Log: ☒ NO ☐ YES PSI Applied: Fluid Weight: LBS/GAL

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

Casing Test Pressure: PSI With LBS/GAL Mud Time Held: Hours Minutes

## 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	5006 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
01:00						YARD CALL	
02:45						PRE-JOB CONVOY SAFETY MEETING	
03:10						DEPART BHI YARD	
03:50						ARRIVE ON LOCATION	
04:00						CHECK IN WITH COMPANY MAN	
04:08	609	0	8	760	WBM	CASING LANDED, RIG CIRCULATING	
04:10						SAFETY WALK AROUND ON LOCATION	
04:15						SPOT CEMENT EQUIPMENT ON LOCATION	
04:30						PRE-RIG UP SAFETY MEETING	
05:30						READY TO SERVICE, WAITING ON RIG CREW CHANGE OUT FOR PRE-JOB SAFETY MEETING	
05:45						PRE-JOB SAFETY MEETING	
06:00						STAB CEMENT HEAD	
06:13	96	0	1.3	2	H2O	LOAD LINES, FRESH WATER SPACER	
06:16	5006	0	0	0	H2O	PRESSURE TEST HARD LINES	
06:22	369	0	4.9	18	H2O	FRESH WATER SPACER	
06:26	396	0	4.9	20	H2O	MUD CLEAN 1 SPACER	
06:30	396	0	4.9	20	H2O	FRESH WATER SPACER	
06:35	569	0	4.9	75	CEMENT	470sks PLHS @ 12# LEAD CEMENT SLURRY	
06:52	690	0	6.9	25	CEMENT	470sks PLHS @ 12# LEAD CEMENT SLURRY	
06:55	596	0	5.2	40	CEMENT	470sks PLHS @ 12# LEAD CEMENT SLURRY	
07:03	609	0	6.9	62.6	CEMENT	470sks PLHS @ 12# LEAD CEMENT SLURRY	
07:14	469	0	4.9	50	CEMENT	230sks (50:50)Poz:G @ 14.4# TAIL CEMENT SLURRY	
07:30	0	0	0	0	CEMENT	SHUT DOWN, DROP TOP PLUG	
07:39	69	0	4.9	50	H2O	FRESH WATER DISPLACEMENT	
07:50	196	0	6.9	50	H2O	FRESH WATER DISPLACEMENT	
07:59	469	0	6.5	50	H2O	FRESH WATER DISPLACEMENT	
08:05	796	0	6.9	50	H2O	FRESH WATER DISPLACEMENT	
08:12	1169	0	6	60	H2O	FRESH WATER DISPLACEMENT	
08:23	1690	0	2.6	12.9	H2O	SLOW RATE, FRESH WATER DISPLACEMENT	
08:29	2450	0	0	0	H2O	BUMP PLUG 500+ psi OVER FINAL LIFT PRESSURE	
08:39	2536	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE	

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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	5006 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
08:41	0	0	0	0	H2O	FLOATS HELD, 2.25 bbls FLOWED BACK	
08:42						SHUT DOWN, TURNED WELL BACK OVER TO RIG	
08:45						POST-JOB SAFETY MEETING, RIG DOWN	
						12 bbls OF CEMENT BACK TO SURFACE	
						TOP OF LEAD CEMENT @ SURFACE	
						TOP OF TAIL CEMENT @ APPROX 5592'	
						THANK YOU FOR YOUR SAFE WORK, GOOD COMMUNICATION & COOPERATION !!!!! DANIEL / ERIC & THE CREW.	

BUMPED PLUG <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG 2450	TEST FLOAT EQUIP. <input type="checkbox"/> Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 12	TOTAL BBL. PUMPED 585.5	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	Service Supervisor Signature:
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