

# CEMENT JOB REPORT



<b>CUSTOMER</b> BAYSWATER EXPLORATION &		<b>DATE</b> 19-JAN-14	<b>F.R. #</b> 10011040202	<b>SERV. SUPV.</b> JASON L SJOBERG	
<b>LEASE &amp; WELL NAME</b> HIRSCH #6-24 - API 05123379320000		<b>LOCATION</b> 24-7N-67W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado	
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Ensign 122		<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>
Cement Plug, Rubber, Top 8-5/8 in	Alum Baffle Plate, Slip On, 8-5/8				
	Guide Shoe, Cement Nose, 8-5/8 i				
	Centralizer, with Pins, 8-5/8 in				
	Cement Basket, Slip On, 8-5/8 in				
<b>MATERIALS FURNISHED BY BJ</b>		<b>PHYSICAL SLURRY PROPERTIES</b>			
<b>LAB REPORT NO.</b>		<b>SACKS OF CEMENT</b>	<b>SLURRY WGT PPG</b>	<b>SLURRY YLD FT<sup>3</sup></b>	<b>PUMP TIME HR:MIN</b>
Fresh Water		0	8.34	0	00:00
Fresh Water + Dye		0	8.34	0	00:00
Type III + Adds		310	14.5	1.41	02:30
Fresh Water		0	8.34	0	00:00
Available Mix Water 250 Bbl.		Available Displ. Fluid 250 Bbl.		<b>TOTAL</b>	
				156.24 50.31	
<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>
12.25	0	847	8.097	8.625	24
		<b>TYPE</b>	<b>MD</b>	<b>TVD</b>	<b>GRADE</b>
		CSG	836	836	J-55
		<b>SHOE</b>	<b>FLOAT</b>		
		836	794		
		<b>STAGE</b>	0		
<b>LAST CASING</b>		<b>PKR-CMT RET-BR PL-LINER</b>		<b>PERF. DEPTH</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>
			No Packer	0	
		<b>BTM</b>	<b>SIZE</b>	<b>THREAD</b>	<b>WELL FLUID</b>
			8.625	8 RND	WATER BASED
		<b>WGT.</b>	9.4		
<b>DISPL. VOLUME</b>		<b>DISPL. FLUID</b>	<b>CAL. PSI</b>	<b>CAL. MAX PSI</b>	<b>OP. MAX</b>
<b>VOLUME</b>	<b>UOM</b>	<b>TYPE</b>	<b>WGT.</b>	<b>BUMP PLUG</b>	<b>TO REV.</b>
48.4	BBLS	Fresh Water	8.34	253	0
		<b>MAX TBG PSI</b>	<b>MAX CSG PSI</b>	<b>Operator</b>	<b>MIX WATER</b>
		0	0	0	Rig
		<b>RATED</b>	<b>Operator</b>	<b>RATED</b>	<b>Operator</b>
		2360	500		
<b>Circulation Prior to Job</b>					
Circulated Well: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>			Circulation Time: 1		
Mud Density In: 9.4 LBS/GAL			Circulation Rate: 6 BPM		
Mud Density Out: 9.4 LBS/GAL			PV & YP Mud In: 0		
Gas Present: NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			PV & YP Mud Out: 0		
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: 0 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"/> RECIPROICATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE					
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES			Quantity: 6		
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input checked="" type="checkbox"/> MANIFOLD <input type="checkbox"/> NO MANIFOLD			Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID		
<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"/>	
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	
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None</b>					



# CEMENT JOB REPORT



## 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)  
 Did not bump plug. Shut down at 52 bbls away, 1.5 over calculated. Shoe track is 2.67 bbls.

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	2677 PSI	
						CIRCULATING WELL - RIG	<input type="checkbox"/>	BJ <input checked="" type="checkbox"/>
23:30	0	0	0	0	N/A	Yard Call		
02:15	0	0	0	0	N/A	Leave Yard		
03:20	0	0	0	0	N/A	Arrive on Location		
04:00	0	0	0	0	N/A	Spot Trucks/Pre Rig-up Safety Meeting		
04:50	0	0	0	0	N/A	Safety Meeting		
05:30	2677	0	0	0	H2O	Pressure Test Pump and Lines		
05:33	136	0	4.8	20	H2O	Preflush Fresh Water		
05:37	141	0	4.8	10	H2O	Preflush Dye Water		
05:41	153	0	3.6	71	CMT	Batch, Weigh, Pump 14.5# Type III + .08 lbs/sack Static Free + 2% CaCl + .25 lbs/sack Cello Flake		
06:14	0	0	0	0	N/A	Drop Plug		
06:21	170	0	4.8	30	H2O	Displacement		
06:30	220	0	3.6	18	H2O	Drop Rate		
06:35	300	0	2.4	4	H2O	Drop Rate		
06:40	218	0	0	0	N/A	Shut in Head @ 218 psi		
06:45	0	0	0	0	N/A	Post Job Safety Meeting		

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:
Y <input checked="" type="checkbox"/>		Y <input checked="" type="checkbox"/>	8	122	218	Y <input checked="" type="checkbox"/>	

