

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM			<b>DATE</b> 31-MAR-16		<b>F.R. #</b> 10011195673			<b>SERV. SUPV.</b> VITALIJS A NEVERDASOV'S						
<b>LEASE &amp; WELL NAME</b> HORSETAIL #07F-1839 - API 05123417710000			<b>LOCATION</b> 7-10N-57W			<b>COUNTY-PARISH-BLOCK</b> Weld Colorado								
<b>DISTRICT</b> Brighton			<b>DRILLING CONTRACTOR RIG #</b> Unit 406			<b>TYPE OF JOB</b> Long String								
<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>		
5-1/2" Top Cem Plug, Nitrile cvr, Phe		Float Shoe 5-1/2 - 8rd			NONE		0	0	NONE		0	0		
		Float Collar, Auto Fill, 5-1/2 - 8rd												
		Centralizer, with Pins, 5-1/2 in												
<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>		
Ultra Flush HV Spacer System			n/a			0	11	0	0	00:00	50			
Fresh Water			n/a			0	8.34	0	0	00:00	10			
(50/50) Poz:Class G + Adds			C03-030-16			150	13.2	1.65	8.12	05:04	44.19	29.00		
(50/50) Poz:Class G + Adds			C03-030-16			2,112	13.2	1.66	8.14	04:53	624.4	409.77		
FW + CorrHib 132 + FC-1000 + FP-13L + Xcide 725			N/A			0	8.34	0	0	00:00	312.1			
<b>Available Mix Water</b> 1400 Bbl.			<b>Available Displ. Fluid</b> 400 Bbl.			<b>TOTAL</b>			1040.69	438.78				
<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>		
8.5	25	14215	4.778	5.5	20	CSG	14119	5964	P-110	14119	14070	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	2014	2014	NO PACKER			0	0	5.5	XO	WATER BASED	10.5
<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>			
312	BBLS	FW + CorrHib 132 +		8.34	1454	0	0	0	0	10112	3500	RIG TANK		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 5 BPM						
Mud Density In: 10.5 LBS/G			Mud Density Out: 10.5 LBS/GAL			PV & YP Mud In: 13			PV & YP Mud Out: 13					
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: 2.5 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"/> RECIPROICATION <input type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE														
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES				Quantity: 150				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														
<b>EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE</b>														

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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	5228 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
17:00	0	0	0	0	N/A	YARD CALL	
17:31	0	0	0	0	N/A	LEAVE DISTRICT	
19:39	0	0	0	0	N/A	ARRIVE ON LOCATION, 106 MILES/ RIG IS RUNNING CASING	
21:03	0	0	0	0	N/A	SPOT TRUCKS	
22:00	0	0	0	0	N/A	RIG IS STILL RUNNING CASING/ CEMENT CREW FINISHED RIGGING UP/ ON STAND BY	
03:21	0	0	0	0	N/A	CASING IS LANDED	
04:29	0	0	0	0	N/A	PRE JOB SAFETY MEETING	
06:35	5228	0	.8	.1	H2O	PRESSURE TEST	
06:46	572	0	3.6	45	H2O	ULTRA FLUSH SPACER @ 11 PPG	
06:56	496	0	3.6	10	H2O	FRESH WATER	
07:08	582	0	4.2	43	CMT	BATCH/ WEIGH/ PUMP 150 SX OF LEAD CEMENT @ 13.2 PPG	
07:22	785	0	7.2	620	CMT	PUMP 2112 SX OF TAIL CEMENT @ 13.2 PPG	
09:20	0	0	0	0	H2O	SHUT DOWN/ WASH PUMPS AND LINES/ DROP PLUG	
09:31	2824	0	7.2	180	H2O	PER CUSTOMER ONLY USE FOR DISPLACEMENT KCL WATER + CORRIBB 132 + FP 13L	
09:59	2579	0	6	110	H2O	SLOW RATE	
10:20	2412	0	2.4	22	H2O	SLOW RATE	
10:36	3025	0	0	312	H2O	BUMP PLUG	
10:40	0	0	0	0	N/A	CHECK FLOATS/ DID NOT HOLD	
10:42	3011	0	1.5	2.5	H2O	RE BUMP PLUG	
10:44	0	0	0	0	N/A	CHECK FLOATS/ FLOATS HELD	
10:47	0	0	0	0	N/A	RIG DOWN 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:
<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	2412	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	72	1030	0	Y <input checked="" type="checkbox"/> N	

