

# CEMENT JOB REPORT



<b>CUSTOMER</b> WHITING OIL & GAS CORP XM				<b>DATE</b> 01-JUL-15		<b>F.R. #</b> 10011163427				<b>SERV. SUPV.</b> Daniel F Kuenz			
<b>LEASE &amp; WELL NAME</b> RAZOR FED #30K-3108 - API 05123402150000				<b>LOCATION</b> NESW S30-10N-58W				<b>COUNTY-PARISH-BLOCK</b> Weld Colorado					
<b>DISTRICT</b> Brighton				<b>DRILLING CONTRACTOR RIG #</b> Unit 406				<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											
		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				15		
III+.08#skSt+1%CaCl+.25#skCF+.01gpsFP6L						697	14.5	1.40	6.81	02:30	173.8	112.84	
Water Based Mud							8.5				121		
<b>Available Mix Water</b> 400 <b>Bbl.</b>				<b>Available Displ. Fluid</b> 200 <b>Bbl.</b>				<b>TOTAL</b>		309.8		112.84	
<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>	
13.5	25	1630	8.921	9.625	36	CSG	1611	1611	J-55	1611	1564	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>
15.	16	65	CSG	101	101	No Packer	0	0	0	9.625	8RND	FRESH WATER	8.5
<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>			
121	BBLS	Water Based Mud	8.5	496	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: .5			Circulation Rate: 6 BPM				
Mud Density In: 8.5 LBS/GAL Mud Density Out: 8.5 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: .75 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: 14		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:** Rig drilling when we arrived on location. Approx 300' left to drill. S started running casing 01:00 07/01/2015

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	4249 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
15:00						YARD CALL 06/30/2015	
17:00						PRE-JOB CONVOY SAFETY MEETING	
17:15						DEPART BHI YARD	
18:00						LAST BULK TRUCK DEPART BHI YARD	
19:00						ARRIVE ON LOCATION	
19:05						CHECK IN WITH COMPANY MAN	
19:15						ALL EO'S OFF DUTY WELLSITE, WAITING ON RIG TO FINISH DRILLING AND RUN CASING	
20:00						LAST BULK TRUCK ARRIVED ON LOCATION, EO'S OFF DUTY 20:15	
01:00						07/01/2015 RIG STARTED RUNNING CASING	
04:00						ALL EO'S BACK ON DUTY	
04:05						SAFETY WALK AROUND ON LOCATION	
04:10						PRE-RIG UP SAFETY MEETING	
04:15						SPOT CEMENT EQUIPMENT ON LOCATION	
04:25	69	0	6	200	H2O	CASING LANDED, RIG CIRCULATING	
04:40						STAB CEMENT HEAD	
05:00						PRE-JOB SAFETY MEETING	
05:37	46	0	2.8	2	H2O	LOAD LINES, FRESH WATER SPACER w/ DYE	
05:39	4249	0	0	0	H2O	PRESSURE TEST HARD LINES	
05:42	196	0	4.6	13	H2O	FRESH WATER SPACER w/ DYE	
05:46	0	0	0	0	CEMENT	BATCH UP CEMENT SLURRY 14.5#	
05:53	296	0	5.1	100	CEMENT	697sks TYPE III @ 14.5# CEMENT SLURRY	
06:20	96	0	2.6	73.8	CEMENT	697sks TYPE III @ 14.5# CEMENT SLURRY	
06:50	0	0	0	0	CEMENT	SHUT DOWN, DROP TOP PLUG	
06:55	269	0	5.4	50	H2O	WATER BASED MUD DISPLACEMENT	
07:06	569	0	5.9	50	H2O	WATER BASED MUD DISPLACEMENT	
07:17	809	0	4.1	10	H2O	WATER BASED MUD DISPLACEMENT	
07:20	769	0	2.2	11	H2O	SLOW RATE, WATER BASED MUD DISPLACEMENT	
07:26	1296	0	0	0	H2O	BUMP PLUG 500 psi OVER FINAL LIFT PRESSURE	
07:29	1269	0	0	0	H2O	TEST FLOATS, BLEED OFF PRESSURE	
07:30	0	0	0	0	H2O	FLOATS HELD, 3/4 bbls FLOWED BACK	
07:32						SHUT DOWN, TURNED WELL BACK OVER TO RIG	
07:35						POST-JOB SAFETY MEETING, RIG DOWN	
						39 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 4249 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		<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	39	309.8	0	Y <input checked="" type="checkbox"/> N	

## 9 5/8" Surface C085

