

# CEMENT JOB REPORT



<b>CUSTOMER</b> Whiting Petroleum Corp		<b>DATE</b> 04-MAY-11		<b>F.R. #</b> 1001799441		<b>SERV. SUPV.</b> SCOTT D SMITH	
<b>LEASE &amp; WELL NAME</b> TWO MILE CREEK #22-13H - API 05123331610000		<b>LOCATION</b> 22-11N-57W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado			
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Ensign 14		<b>TYPE OF JOB</b> Surface			

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES					
Cement Plug, Rubber, Top 9-5/8 in	Float Shoe 9-5/8 - 8rd	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER	
	Float Collar, Auto Fill, 9-5/8 - 8rd								
MATERIALS FURNISHED BY BJ									
Fresh water		0	8.34	0	0	00:00	15		
Type III + additives		680	14.5	1.40	6.81	01:30	169.55	110.08	
Fresh water		0	8.34	0	0	00:00	116.74		
Available Mix Water 500 Bbl. Available Displ. Fluid 200 Bbl.							TOTAL	301.29 110.08	

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
13.5	50	1585	9.625	36	CSG	1572	J-55	1572	1530	0

LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH		TOP CONN		WELL FLUID	
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	RTM	SIZE	THREAD	TYPE	WGT.
16	84	CSG	60	No packer	0	0	0	9.625	8 RD	WATER BASED ML	9.8

DISPL. VOLUME		DISPL. FLUID		CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG PSI		MAX CSG PSI		MIX WATER
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.	SQ. PSI	RATED	Operator	RATED	Operator	
116.7	BBLs	Fresh water	8.34	489	0	0	0	0	2816	2000	Rig Tank

Circulation Prior to Job									
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>					Circulation Time: 1		Circulation Rate: 6 BPM		
Mud Density In: 9.8 LBS/GAL Mud Density Out: 9.8 LBS/GAL					PV & YP Mud In:		PV & YP Mud Out:		
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"/>		

Displacement And Mud Removal									
Displaced By: Rig <input type="checkbox"/> BJ <input checked="" type="checkbox"/>					Amount Bled Back After Job: 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"/> RECIPROCATION <input checked="" type="checkbox"/> NONE <input type="checkbox"/> UNABLE DUE TO STUCK PIPE									
Centralizers: <input type="checkbox"/> NO <input checked="" type="checkbox"/> YES					Quantity: 13		Type: <input checked="" 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									

Plugs									
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			

Squeezes (Update Original Treatment Report for Primary Job)									
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			

Casing Test (Update Original Treatment Report for Primary Job)									
Casing Test Pressure: 0 PSI		With 0 LBS/GAL Mud		Time Held: 00 Hours 00 Minutes					

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)  
n/a

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Problems During Job (I.E. Lost Returns, Equipment Failure, Bulk Delivery, Foaming, ETC)  
X165 blow very poorly.

Problems After Job (I.E. Gas at Surface, Float Equipment Failed, ETC)  
n/a

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

PRESSURE/RATE DETAIL						EXPLANATION	
TIME HR:MIN.	PRESSURE - PSI		RATE BPM	Bbl. FLUID PUMPED	FLUID TYPE	SAFETY MEETING: BJ CREW	CO. REP.
	PIPE	ANNULUS				X	X
						TEST LINES	4385 PSI
						CIRCULATING WELL - RIG	BJ
19:15	0	0	0	0	NONE	Pre Job Rig Up Safety Meeting	
19:45	0	0	0	0	NONE	Job Safety Meeting	
20:20	4385	0	0	0	H2O	Pressure Test	
20:23	165	0	5.3	20	H2O	Pre Flush (Per Customer)	
20:30	200	0	4.4	115	CMT	680 sks Type III + 08 lbs/sk Static Free; 1% Calcium Chloride; .25 lbs/sk Cello Flake	
20:58	140	0	4.4	60	CMT	Cement Slurry Rate / Pressure Change	
21:12	0	0	0	0	NONE	Shut down, Wash Up, Drop plug	
21:15	115	0	5.6	30	H2O	Displacement	
21:21	200	0	5.6	20	H2O	Displacement Rate / Pressure Change	
21:25	265	0	4.1	25	H2O	Displacement Rate / Pressure Change	
21:33	300	0	3.5	25	H2O	Displacement Rate / Pressure Change	
21:40	580	0	2.8	18.5	H2O	Displacement Rate / Pressure Change	
21:47	600	0	2.8	118.5	H2O	Bump Plug	
21:50	0	0	0	0	NONE	Plug Down	
21:55	0	0	0	0	NONE	Post Job 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:
Y N	835	Y N	35	313.5	0	Y N	<i>Scott Obriet</i> X <i>Ray Hoffman</i>