

# CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM		DATE 21-SEP-13	F.R. # 10011014758	SERV. SUPV. REESE A ANDERSON										
LEASE & WELL NAME RAZOR #21A-2814B - API 05123378450000		LOCATION 21-10N-58W		COUNTY-PARISH-BLOCK Weld Colorado										
DISTRICT Brighton		DRILLING CONTRACTOR RIG # CADE 21		TYPE OF JOB Liner										
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES	MD	TVD				
		Float Shoe 4-1/2 - 8rd												
MATERIALS FURNISHED BY BJ		LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES										
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER				
(50:50:2) + Adds				511	14.5	1.44	6.20		130.96	75.43				
Fresh Water		0		0	8.34	0	0	00:00	172.88					
Ultraflush II		0		0	12	0	0	00:00	20					
Fresh Water		0		0	8.34	0	0	00:00	10					
Available Mix Water 400 Bbl.		Available Displ. Fluid 400 Bbl.		TOTAL				333.84	75.43					
HOLE			TBG-CSG-D.P.						COLLAR DEPTHS					
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
6	15	12721	4	4.5	11.6	CSG	12703	7278	N-80	12703	12663			
LAST CASING			PKR-CMT RET-BR PL-LINER			PERF. DEPTH			TOP CONN		WELL FLUID			
ID	OD	WGT	TYPE	MD	TVD	BRAND & TYPE		DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
6.3	7	26	CSG	6203	5866	PACKER		5176	0	0	4	8 RD	WATER BASED	9.1
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			
152	BBLS	Fresh Water		8.34	0	0	0	0	0	0	4000	RIG TANK		
<b>Circulation Prior to Job</b>														
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>				Circulation Time: 1				Circulation Rate: 6 BPM						
Mud Density In: 9.1 LBS/GAL				Mud Density Out: 9.1 LBS/GAL				PV & YP Mud In: 0		PV & YP Mud Out: 0				
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 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 type="checkbox"/> YES <input checked="" type="checkbox"/> NO				Were Returns Planned at Surface: <input checked="" type="checkbox"/> NO <input 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 checked="" type="checkbox"/> NO <input type="checkbox"/> YES				Quantity:				Type: <input type="checkbox"/> BOW <input type="checkbox"/> RIGID						
Job Pumped Through: <input type="checkbox"/> CHOKE MANIFOLD <input type="checkbox"/> SQUEEZE MANIFOLD <input 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>Shoe Test (Update Original Treatment Report for Primary Job)</b>														
Depth Drilled out of Shoe: 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										

# CEMENT JOB REPORT



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: 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	5011 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/>	BJ <input type="checkbox"/>
03:00	0	0	0	0	NA	YARD CALL	
06:31	0	0	0	0	NA	LEAVE YARD	
09:22	0	0	0	0	NA	ARRIVE ON LOCATION	
09:30	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP	
10:42	0	0	0	0	NA	SAFETY MEETING/NO ULTRA FLUSH 2 PER COMPANY MAN	
11:22	5011	0	0	0	H2O	PRESSURE TEST	
11:29	1527	0	4	40	H2O	FRESH WATER SPACER	
11:45	1629	0	4	48	CMT	511 SACKS 14.5 PPG CEMENT	
11:54	321	0	4.2	54	CMT	SWITCH TIER	
12:08	306	0	4.2	28	CMT	SWITCH TIER/130 TOTAL BBLs CEMENT	
12:18	0	0	0	0	NA	DROP DART/WASH PUMPS AND LINES	
12:29	1705	0	5	30	KCL	DISPLACEMENT	
12:35	754	0	2.5	8	KCL	RATE CHANGE	
12:38	2400	0	2.5	38	KCL	LAND DART	
12:39	2341	0	5	20	KCL	DISPLACE	
12:43	2265	0	4.4	90	KCL	RATE CHANGE	
13:03	1540	0	3	4	KCL	RATE CHANGE	
13:06	2519	0	3	114	KCL	BUMP PLUG	
13:07	0	0	0	0	NA	BLEED OFF/TEST FLOATS	
13:10	4170	0	2	2	KCL	PRESSURE UP/DID NOT RUPTURE DISC	
13:20	0	0	0	0	NA	SET PACKER	
13:24	0	2545	1	2	KCL	BACKSIDE TEST	
13:27	0	0	0	0	NA	BLEED OFF	
13:35	0	0	0	0	NA	PRE RIG DOWN MEETING/RIG DOWN	

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 type="checkbox"/> Y <input checked="" type="checkbox"/> N	2519	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	0	305	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	<i>Reese Omderson</i>

X *[Signature]*