

CEMENT JOB REPORT



CUSTOMER WHITING OIL & GAS CORP XM				DATE 21-NOV-13		F.R. # 10011028473		SERV. SUPV. REESE A ANDERSON						
LEASE & WELL NAME RAZOR #271-3413A - API 05123378990000				LOCATION 27-10N-58W				COUNTY-PARISH-BLOCK Weld Colorado						
DISTRICT Brighton				DRILLING CONTRACTOR RIG # CADE 23				TYPE OF JOB Liner						
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS		MD	TVD	HANGER TYPES		MD	TVD			
Dart For Plug Catcher, 4-1/2 In		Float Shoe 4-1/2 - 8rd												
MATERIALS FURNISHED BY BJ				LAB REPORT NO.		PHYSICAL SLURRY PROPERTIES								
						SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT3	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER		
50:50 + Adds						516	14.5	1.44	6.20		132.3	76.17		
Fresh Water				0		0	8.34	0	0	00:00	180.08			
Ultraflush II				0		0	12	0	0	00:00	20			
Fresh Water				0		0	8.34	0	0	00:00	10			
Available Mix Water 500 Bbl.				Available Displ. Fluid 500 Bbl.		TOTAL				342.38		76.17		
HOLE			TBG-CSG-D.P.							COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE		
6	15	13139	4	4.5	11.6	CSG	11504	7278	N-80	12485	12395			
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	6300	5649	PACKER	4805	0	0	4	1502	WATER BASED	9.7	
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		
135	BBLS	Fresh Water		8.34	1200	0		0	0	0	6224	3500	FRAC 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: 9.7 LBS/GAL Mud Density Out: 9.7 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"/>								
Displacement And Mud Removal														
Displaced By: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>						Amount Bled Back After Job: 1 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"/> RECIPROCATION <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 checked="" 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								

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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	5839 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
02:45	0	0	0	0	NA	YARD CALL	
05:07	0	0	0	0	NA	LEAVE YARD	
08:22	0	0	0	0	NA	ARRIVE ON LOCATION	
09:00	0	0	0	0	NA	SPOT TRUCKS/PRE RIG UP MEETING/RIG UP	
14:29	0	0	0	0	NA	SAFETY MEETING/WATER TEMP 35 DEGREES	
15:13	5839	0	0	0	H2O	PRESSURE TEST	
15:37	1240	0	3.5	0	MUD	PUMP BALLS TO SEAT	
16:03	1400	0	3.5	121	MUD	SEAT BALLS	
16:05	1988	0	.8	0	MUD	PRESSURE UP	
16:08	1080	0	0	0	NA	BLEED DOWN	
16:14	2621	0	.8	0	MUD	BLOW SEAT	
17:10	1170	0	3.7	20	H2O	DYED SPACER	
17:25	1240	0	3.7	20	H2O	ULTRA FLUSH II	
17:38	1303	0	4.2	131	CMT	516 SACKS 14.5 PPG CEMENT	
18:30	980	0	4.2	3	H2O	SUGAR SPACER	
18:35	0	0	0	0	H2O	WASH PUMPS AND LINES	
18:46	0	0	0	0	NA	DROP DART	
18:50	650	0	2	0	H2O	KCL DISPLACEMENT	
19:10	1040	0	2	33	H2O	RELEASE PLUG	
19:11	1251	0	4.6	77	H2O	KCL DISPLACEMENT	
19:41	837	0	2.4	21	H2O	RATE CHANGE	
19:53	1292	0	2.4	151	H2O	BUMP PLUG	
19:57	0	0	0	0	NA	BLEED OFF/TEST FLOATS	
20:00	3200	0	1.1	2	H2O	RUPTURE DISC	
20:06	0	0	0	0	NA	SET PACKER	
20:43	0	1525	.8	2	H2O	BACKSIDE TEST	
20:58	0	0	0	0	NA	BLEED OFF	
21:06	470	0	4	135	H2O	KCL DISPLACEMENT	

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	1292	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	0	580	0	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	