

# CEMENT JOB REPORT



CUSTOMER NOBLE ENERGY INC - XML		DATE 26-NOV-13	F.R. # 832210003	SERV. SUPV. STEPHEN J CARDOS	
LEASE & WELL NAME HAGEN #31-15 - API 05123109890000		LOCATION 15-4N-64W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # W/O		TYPE OF JOB Squeeze-Top	
SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		MECHANICAL BARRIERS MD TVD	
NO PLUG		No Shoe		N/A 0 0	
				HANGER TYPES MD TVD	
				N/A 0 0	
PHYSICAL SLURRY PROPERTIES					
MATERIALS FURNISHED BY BJ		LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>
Fresh Water		N/A	0	8.34	0
Cement Slurry		N/A	250	13.5	1.71
Fresh Water		N/A	0	8.34	0
Cement Slurry		N/A	275	15.8	1.15
Fresh Water		N/A	0	8.34	0
Fresh Water		N/A	0	8.34	0
Available Mix Water 160 Bbl.		Available Displ. Fluid 160 Bbl.	TOTAL		160.61 82.03
HOLE		TBG-CSG-D.P.			COLLAR DEPTHS
SIZE	% EXCESS	DEPTH	ID OD	WGT.	TYPE
11	0	3850	3.826 4.5	15.1	CSG
					MD TVD GRADE
					4450 4450 N-80
					SHOE FLOAT STAGE
					0 0 450
LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH	
ID OD	WGT TYPE	MD TVD	BRAND & TYPE	DEPTH TOP BTM	SIZE THREAD
8.9 9.63	36 CSG	550 550	NO PACKER	0 0 0	1.66 8RND
					WELL FLUID
					WATER BASED
					WGT.
					8.4
DISPL. VOLUME		DISPL. FLUID		CAL. PSI	
VOLUME	UOM	TYPE	WGT.	BUMP PLUG	TO REV.
3	BBLS	Fresh Water	8.34	0	0
		Fresh Water	8.34		
					OP. MAX
					SQ. PSI
					RATED
					Operator
					MAX TBG PSI
					Operator
					MAX CSG PSI
					Operator
					MIX WATER
					TANKER TRUCK
Circulation Prior to Job					
Circulated Well: Rig <input checked="" type="checkbox"/> BJ <input type="checkbox"/>		Circulation Time: .5		Circulation Rate: 2 BPM	
Mud Density In: 10 LBS/GAL		Mud Density Out: 10 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 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 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 type="checkbox"/> NO <input checked="" type="checkbox"/> YES		Quantity: 0		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	
EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: NONE					

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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	CO. REP.
	PIPE	ANNULUS				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
						TEST LINES	5841 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ
05:00	0	0	0	0	N/A	YARD CALL	
07:45	0	0	0	0	N/A	LEAVE YARD	
08:30	0	0	0	0	N/A	ARRIVE TLOCATION(PULLING TUBING)	
08:45	0	0	0	0	N/A	SPOT TRUCKS	
10:21	0	0	0	0	N/A	PRE RIG UP SAFETY MEETING	
10:21	0	0	0	0	N/A	SAFETY MEETING	
10:34	5841	0	0	0	H2O	PRESSURE TEST	
10:40	1759	0	1.6	5	H2O	FRESH WATER SPACER	
10:51	2448	0	1.6	77	CMT	BATCH/WEIGH/PUMP 13.5 LB CEMENT	
11:52	2499	0	1.6	3	H2O	DISPLACEMENT	
11:58	0	0	0	0	N/A	LAY DOWN DRILL PIPE	
13:09	158	0	1.4	5.2	H2O	FRESH WATER SPACER	
13:16	380	0	1.7	35	CMT	BATCH/WEIGH/PUMP 15.8 LB CEMENT	
13:44	408	0	1.7	1.5	H2O	DISPLACEMENT	
13:45	0	0	0	0	H2O	BLEED OFF/JOB DONE	

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 <input checked="" type="checkbox"/> N	0	Y <input checked="" type="checkbox"/> N	0	149	0	Y <input checked="" type="checkbox"/> N	



Baker Hughes JobMaster Program Version 3.60

Job Number: 10011028843

Customer: NOBLE ENERGY

Well Name: HAGEN 31-15

C958

