

# CEMENT JOB REPORT



<b>CUSTOMER</b> Noble Energy - Denver		<b>DATE</b> 23-MAR-10	<b>F.R. #</b> 1001587584		<b>SERV. SUPV.</b> PHILLIP S MULLINS	
<b>LEASE &amp; WELL NAME</b> GUTTERSEN D #15-28 - API 05123304980000		<b>LOCATION</b> 15-3N-64W		<b>COUNTY-PARISH-BLOCK</b> Weld Colorado		
<b>DISTRICT</b> Brighton		<b>DRILLING CONTRACTOR RIG #</b> Ensign 128		<b>TYPE OF JOB</b> Long String		

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		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
Cement Plug, Rubber, Top 4-1/2 in		Centralizer, with Pins, 4-1/2 in								
		Float Collar, Auto Fill, 4-1/2 - 8rd								
<b>MATERIALS FURNISHED BY BJ</b>										
50:50 (POZ:G) + Additives				150	13.5	1.71	8.30	03:00	44	28.47
Claytreat Water				0	8.4	0	0	00:00	110	
Premium Lite Cement				550	12.5	2.00	10.90	03:00	190	138.39
Seal Bond Spacer				0	11	0	0	00:00	20	
Mud Clean I				0	8.34	0	0	00:00	20	
Freshwater				0	8.34	0	0	00:00	40	
Surfactant Wash				0	8.34	0	0	00:00	20	
Available Mix Water 278 Bbl.		Available Displ. Fluid 168.1 Bbl.		<b>TOTAL</b>					444	166.86

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
7.875	0	7130	4.5	11.6	CSG	7115	N-80	7115	7085	0

LAST CASING		PKR-CMT RET-BR PL-LINER		PERF. DEPTH		TOP CONN		WELL FLUID			
SIZE	WGT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BTM	SIZE	THREAD	TYPE	WGT.
8.625	24	CSG	610	No packer	0	0	0	4.5	8RD	WATER BASED MU	9.4

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	
109.9	BBLS	Claytreat Water	8.4	2500	1405	0	0	0	6224	3000	Rig

**Circulation Prior to Job**

Circulated Well: Rig ☒ BJ ☐      Circulation Time: 3      Circulation Rate: 9.3 BPM

Mud Density In: 9.4 LBS/GAL      Mud Density Out: 9.4 LBS/GAL      PV & YP Mud In: 29      PV & YP Mud Out: 29

Gas Present: NO ☐ YES ☒      Units: 0      Solids Present at End of Circulation: NO ☒ YES ☐

**Displacement And Mud Removal**

Displaced By: Rig ☐ BJ ☒      Amount Bled Back After Job: 1 BBLS

Returns During Job: ☐ NONE ☐ PARTIAL ☒ FULL      Method Used to Verify Returns: Visually

Cement Returns at Surface: ☐ YES ☒ NO      Were Returns Planned at Surface: ☒ NO ☐ YES

Pipe Movement: ☐ ROTATION ☐ RECIPROCATION ☒ NONE ☐ UNABLE DUE TO STUCK PIPE

Centralizers: ☐ NO ☒ YES      Quantity: 40      Type: ☒ BOW ☐ RIGID

Job Pumped Through: ☐ CHOKE MANIFOLD ☐ SQUEEZE MANIFOLD ☒ MANIFOLD ☐ NO MANIFOLD

**Plugs**

Number of Attempts by BJ: 0      Competition: 0      Wiper Balls Used: ☐ NO ☒ YES      Quantity: 0

Plug Catcher Used: ☒ NO ☐ YES      Parabow Used: ☒ NO ☐ YES

Was There a Bottom: ☒ NO ☐ YES      Top of Plug: 0 FT      Bottom of Plug: 0 FT

**Squeezes (Update Original Treatment Report for Primary Job)**

BLOCK SQUEEZE ☐      SHOE SQUEEZE ☐      TOP OF LINER SQUEEZE ☐      PLANNED ☐ UNPLANNED ☐

Liner Packer: ☒ NO ☐ YES      Bond Log: ☒ NO ☐ 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**