

# CEMENT JOB REPORT



CUSTOMER Noble Energy Production Inc		DATE 19-JUN-06	F.R. # 225130530	SERV. SUPV. NATHANIEL J WINDHOLZ	
LEASE & WELL NAME POWERS 12-22 - API 05123212550000		LOCATION 22-2N-65W		COUNTY-PARISH-BLOCK Weld Colorado	
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Workover		TYPE OF JOB Squeeze-Hole	

SIZE & TYPE OF PLUGS	LIST-CSG-HARDWARE	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT <sup>3</sup>	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ								
Fresh Water			8.34				2	
Fresh Water			8.34				1	
Class "G" + 2% CaCl		247	15.8	1.16	5.01	02:15	51.23	29.44
Available Mix Water 80 Bbl. Available Displ. Fluid 80 Bbl.							TOTAL	54.23 29.44

HOLE				TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH		SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
12.5		900		4.5	11.6	CSG	900	M-75			

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	803	NO PACKER	0	0	0	1.25	BRD	WATER BASED ML	9.3

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	
1	BBLs	Fresh Water	8.34	0		0	6000	2000	0	0	TRANSPORT

### Circulation Prior to Job

Circulated Well: RIG ☒ BJ ☐      Circulation Time: 1      Circulation Rate: 1 BPM  
 Mud Density In: 9.3 LBS/GAL    Mud Density Out: 9.3 LBS/GAL    PV & YP Mud In: 18    PV & YP Mud Out: 18  
 Gas Present: NO ☒ YES ☐    Units:    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: EYE  
 Cement Returns at Surface: ☒ YES ☐ NO      Were Returns Planned at Surface: ☐ NO ☒ YES  
 Pipe Movement: ☐ ROTATION ☐ RECIPROICATION ☒ NONE ☐ UNABLE DUE TO STUCK PIPE  
 Centralizers: ☒ NO ☐ YES      Quantity:      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:  
 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

### 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)  
N/A

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 <input checked="" type="checkbox"/> CO. REP. <input type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	4000 PSI
						CIRCULATING WELL - RIG <input checked="" type="checkbox"/> BJ <input type="checkbox"/>	
12:04	4000	0	0	0	H2O	TEST	
12:06	480	0	2	5	H2O	BREAK CIRCULATION	
12:15	990	0	2	47	CMT	BATCH UP AND PUMP 247 SKS G + ADDS @ 15.8 PPG	
12:40	1300	0	2	1	H2O	DISPLACE	

  

BUMPED PLUG Y <input checked="" type="checkbox"/> N	PSI TO BUMP PLUG 0	TEST FLOAT EQUIP. Y <input checked="" type="checkbox"/> N	BBL.CMT RETURNS/ REVERSED 10	TOTAL BBL. PUMPED 54	PSI LEFT ON CSG 0	SPOT TOP OUT CEMENT Y <input checked="" type="checkbox"/> N	Service Supervisor Signature: 
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