

CEMENT JOB REPORT



CUSTOMER NOBLE ENERGY INC - XML		DATE 24-JAN-13	F.R. # 1001961172	SERV. SUPV. AARON M MCWILLIAMS	
LEASE & WELL NAME BURKE #1 - API 05123137320000		LOCATION 24-4N-65W		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	HANGER TYPES	MD	TVD
None	No Shoe	None	0	0	None	0	0
None		None	0	0	None	0	0
None		None	0	0	None	0	0

PHYSICAL SLURRY PROPERTIES								
MATERIALS FURNISHED BY BJ	LAB REPORT NO.	SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
(50:50) Class G/Poz + Adds	0	225	13.5	1.71	8.30	00:00	68.64	44.47
Fresh Water	0	0	8.3	0	0	00:00	5.5	
fresh water	0	0	8.34	0	0	00:00	5	
Available Mix Water 120 Bbl.	Available Displ. Fluid 50 Bbl.	TOTAL				79.14		44.47

HOLE			TBG-CSG-D.P.					COLLAR DEPTHS				
SIZE	% EXCESS	DEPTH	ID	OD	WGT.	TYPE	MD	TVD	GRADE	SHOE	FLOAT	STAGE
10	0	4579	3.826	4.5	15.1	CSG	7233	7233	P-110	0	0	0
			.957	1.315	2.25	TBG	4579	4579	N-80			

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	WGT.
						No packer	0			2.375	8RD	9

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	
5.5	BBLS	Fresh Water	8.3	0	0	0	11328	2000	11536	2000	Transport

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ Circulation Time: 1 Circulation Rate: 1 BPM

Mud Density In: 9 LBS/GAL Mud Density Out: 9 LBS/GAL PV & YP Mud In: 0 PV & YP Mud Out: 0

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: 0 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: Type: ☐ BOW ☐ RIGID

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

Plugs

Number of Attempts by BJ: 1 Competition: 1 Wiper Balls Used: ☒ NO ☐ YES Quantity:

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

Was There a Bottom: ☒ NO ☐ YES Top of Plug: 3707 FT Bottom of Plug: 4579 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

CEMENT JOB REPORT



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 <input checked="" type="checkbox"/> CO. REP. <input checked="" type="checkbox"/>	
	PIPE	ANNULUS				TEST LINES	5416 PSI
09:00	0	0	0	0	N/A	CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
11:05	0	0	0	0	N/A	Yard call	
11:40	0	0	0	0	N/A	Leave the yard	
11:45	0	0	0	0	N/A	Arrive on location 28 miles	
11:50	0	0	0	0	N/A	Spot trucks	
12:20	0	0	0	0	N/A	Rig up safety meeting	
12:40	5416	0	0	0	H2O	Pre job safety meeting	
12:45	1825	0	1.5	5	H2O	Pressure test pumps and lines	
12:54	1800	0	1.2	65	CMT	Preflush	
13:48	1545	0	1.2	5.5	H2O	Batch up and pump 225 sks of (50:50) POZ + G + 0.4% FL-52 + 3% Bentonite + 0.1% SMS + 20% Silica Flour 13.5ppg 1.71yield 8.3gps	
13:52	0	0	0	0	N/A	Displacement	
13:55	0	0	0	0	N/A	Down	
						Rig down safety meeting	
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	75.5	0	Y <input checked="" type="checkbox"/> N	

Cementing Job Summary

The Road to Excellence Starts with Safety

Sold To #: 345242		Ship To #: 2977112		Quote #:		Sales Order #: 900169595	
Customer: NOBLE ENERGY INC E-BUSINESS				Customer Rep: Marshall, Dennis			
Well Name: Burke R G			Well #: 24-8		API/UWI #: 05-123-13732		
Field: Wattenberg		City (SAP): LA SALLE		County/Parish: Weld		State: Colorado	
Lat: N 40.299 deg. OR N 40 deg. 17 min. 56.782 secs.				Long: W 104.604 deg. OR W -105 deg. 23 min. 45.312 secs.			
Contractor: Leed			Rig/Platform Name/Num: LEED 719				
Job Purpose: Recement Service							
Well Type: Development Well				Job Type: Recement Service			
Sales Person: AARON, WESLEY				Srv Supervisor: FANTASIA, JOSEPH MBU ID Emp #: 485445			

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
BURGESS, CODY Alan	2.5	511446	FANTASIA, JOSEPH Brandon	2.5	485445	NESBITT, ROY	2.5	537416
SMITH, AARON David	2.5	518187						

Equipment

HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way	HES Unit #	Distance-1 way
11398319	30 mile	11410470 C	30 mile	11764739	30 mile	12010169	30 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
1-25-2013	2.5	2.5						

TOTAL Total is the sum of each column separately

Job

Formation Name	Formation Depth (MD)	Top	Bottom	Form Type	Job depth MD	Water Depth	Perforation Depth (MD)	From	To	Job Times	Date	Time	Time Zone
				BHST	640. ft	Wk Ht Above Floor				Called Out	25 - Jan - 2013	09:00	MST
										On Location	25 - Jan - 2013	12:00	MST
										Job Started	25 - Jan - 2013	13:00	MST
										Job Completed	25 - Jan - 2013	13:45	MST
										Departed Loc	25 - Jan - 2013	14:30	MST

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
12" Open Hole				12.					650.		
Surface Casing	Used		8.625	8.097	24.		J-55		327.		327.
1 1/4" tubing	Used		1.25	.671	3.02		P-105		650.		650.

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1	Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft ³ /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
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HALLIBURTON

Cementing Job Summary

1	15.8# Cement	SQUEEZECEM (TM) SYSTEM (452971)		218.0	sacks	15.8	1.15	5.0		5.0
5 Gal		FRESH WATER								
Calculated Values		Pressures			Volumes					
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad		
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment		
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job		
Rates										
Circulating		Mixing		Displacement		Avg. Job				
Cement Left In Pipe	Amount	0 ft	Reason	Shoe Joint						
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID			
The Information Stated Herein Is Correct				Customer Representative Signature						