

CEMENT JOB REPORT



CUSTOMER Noble Energy - Denver		DATE 06-MAY-10	F.R. # 1001613017		SERV. SUPV. RYAN SULLIVAN	
LEASE & WELL NAME RYANN STATE C #16-1 - API 05123255560000		LOCATION NENE Sec.16 - T4N - R64W		COUNTY-PARISH-BLOCK Weld Colorado		
DISTRICT Brighton		DRILLING CONTRACTOR RIG # Work-Over		TYPE OF JOB Long String		

SIZE & TYPE OF PLUGS		LIST-CSG-HARDWARE		PHYSICAL SLURRY PROPERTIES						
				SACKS OF CEMENT	SLURRY WGT PPG	SLURRY YLD FT ³	WATER GPS	PUMP TIME HR:MIN	Bbl SLURRY	Bbl MIX WATER
MATERIALS FURNISHED BY BJ										
Freshwater				0	8.34	0	0	00:00	2	
Class "G" Cement + Addis.				100	15.8	1.15	5.00	01:30	20.52	11.91
Freshwater				0	8.34	0	0	00:00	3.2	
fresh				0	8.34	0	0	00:00	35	
Available Mix Water 80 Bbl.		Available Displ. Fluid 80 Bbl.		TOTAL				60.72	11.91	

HOLE			TBG-CSG-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WGT.	TYPE	DEPTH	GRADE	SHOE	FLOAT	STAGE
9	0	2106	4.5	11.6	CSG	2106				

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	600	No packer	0	0	0	2.375	8RD	FRESH WATER	8.4

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	
3.2	BBLS	Freshwater	8.34	0	0	0	3000	2000	0	0	Rig
		fresh	8.34								

Circulation Prior to Job

Circulated Well: Rig ☒ BJ ☐ Circulation Time: 1 Circulation Rate: 2 BPM

Mud Density In: 8.4 LBS/GAL Mud Density Out: 8.4 LBS/GAL PV & YP Mud In: 0 PV & YP Mud Out: 0

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: 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: 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

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CSG, ETC. PRIOR TO CEMENTING: None

CEMENT JOB REPORT



Problems Before Job (I.E. Running Casing, Circulating Well, ETC)

N/A

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

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	3590 PSI
						CIRCULATING WELL - RIG	<input checked="" type="checkbox"/> BJ <input type="checkbox"/>
12:30	0	0	0	0	N/A	Pre-rig up safety meeting	
12:55	0	0	0	0	N/A	Pre-job safety meeting	
13:17	1490	0	0	0	WATER	Low pressure test	
13:18	3590	0	0	0	WATER	High pressure test	
13:20	700	0	1.1	2	WATER	Break circulation	
13:29	1290	0	1.6	19	CEMENT	Batch-up and pump 100 sx of Class G + 0.5% CaCl @ 15.8 ppg	
13:42	379	0	1.1	3.2	WATER	Displace	
13:47	0	0	0	0	N/A	Shut-down to pull tubing	
14:16	1100	0	3	35	WATER	Pump to clean tubing	
14:30	0	0	0	0	N/A	Shut-down, job done	
14:35	0	0	0	0	N/A	Pre-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 type="checkbox"/> N <input checked="" type="checkbox"/> 0		Y <input type="checkbox"/> N <input checked="" type="checkbox"/> 0		59.2	0	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

FIELD RECEIPT NO. 1001613017

Bj Services Company



CUSTOMER			Noble Energy - Denver		CREDIT APPROVAL NO. A10011235377		PURCHASE ORDER NO.		CUSTOMER NUMBER 20077336 - 00227588		INVOICE NUMBER	
MAIL			STREET OR BOX NUMBER		CITY		STATE		ZIP CODE			
INVOICE TO :			1625 Broadway Suite 2000		Denver		Colorado		80202			
DATE WORK COMPLETED			MO. 05	DAY 06	YEAR 2010	BJ SERVICES REPRESENTATIVE RYAN SULLIVAN		WELL API NO: 0512325560000		WELL TYPE : New Well		
BJ SERVICES DISTRICT			Brighton		JOB DEPTH (ft) 2,106		WELL CLASS : Gas		WELL USED ON JOB : No Gas			
WELL NAME AND NUMBER			RYANN STATE C #16-1		TD WELL DEPTH (ft) 6,969		JOB TYPE CODE : Long String					
WELL LOCATION :			NENE Sec.16 - T4N - R64W		COUNTY/PARISH Weid		STATE Colorado					
PRODUCT CODE			DESCRIPTION		UNIT OF MEASURE		QUANTITY		LIST PRICE UNIT		GROSS AMOUNT	
100021			Class G Cement		sacks		100		27.000		2,700.00	
100112			Calcium Chloride		lbs		47		1.440		67.68	
488019			FP-6L		gals		1		93.500		93.50	
			SUB-TOTAL FOR Product Material				1		2,861.18		30.00%	
A152			Personnel Surcharge - Cement Svc		ea		1		152.000		152.00	
M100			Bulk Materials Service Charge		cu ft		101		3.930		396.93	
			SUB-TOTAL FOR Service Charges				1		548.93		21.69%	
F057A			Cement Pump Tubing, 2001 - 3000 ft		4hrs		1		5,850.000		5,850.00	
J225			Data Acquisition, Cement, Standard		job		1		1,540.000		1,540.00	
J390			Mileage, Heavy Vehicle		miles		68		8.550		581.40	
J391			Mileage, Auto, Pick-Up or Treating Van		miles		68		4.830		328.44	
			SUB-TOTAL FOR Equipment				68		8,299.84		30.00%	
											5,809.89	

SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.

Ed Luck

SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS

CUSTOMER AUTHORIZED AGENT

X BJ SERVICES APPROVED

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MAIL		STREET OR BOX NUMBER		CITY		STATE		ZIP CODE				
INVOICE TO :		1625 Broadway Suite 2000		Denver		Colorado		80202				
DATE WORK COMPLETED	MO.	DAY	YEAR	BJ SERVICES REPRESENTATIVE	WELL API NO:	WELL TYPE :						
05	06	2010	12:15	RYAN SULLIVAN	05123255560000	New Well						
BJ SERVICES DISTRICT				JOB DEPTH (ft)		WELL CLASS :						
Brighton				2,106		Gas						
WELL NAME AND NUMBER				TD WELL DEPTH (ft)		GAS USED ON JOB :						
RYANN STATE C #16-1				6,969		No Gas						
WELL				LEGAL DESCRIPTION		COUNTY/PARISH		STATE		JOB TYPE CODE :		
LOCATION :				NENE Sec.16 - T4N - R64W		Weid		Colorado		Long String		
PRODUCT CODE	DESCRIPTION			UNIT OF MEASURE	QUANTITY	LIST PRICE UNIT	GROSS AMOUNT	% DISC.	NET AMOUNT			
J401	Bulk Delivery, Dry Products			ton-mi	161	2.850	458.85	30%	321.20			
SUB-TOTAL FOR Freight/Delivery Charges							458.85	30.00%	321.20			
FIELD ESTIMATE							12,168.80	29.63%	8,563.77			
ARRIVE LOCATION :				MO.	DAY	YEAR	TIME	SERVICE ORDER: I AUTHORIZE WORK TO BEGIN PER SERVICE INSTRUCTIONS IN ACCORDANCE WITH THE TERMS AND CONDITIONS PRINTED ON THE LAST PAGE OF THIS FORM AND REPRESENT THAT I HAVE AUTHORITY TO ACCEPT AND SIGN THIS ORDER.				
CUSTOMER REP.				Ed Luck				SERVICE RECEIPT: I CERTIFY THAT THE MATERIALS AND SERVICES LISTED WERE RECEIVED AND ALL SERVICES PERFORMED IN A WORKMANLIKE MANNER.				
SEE LAST PAGE FOR GENERAL TERMS AND CONDITIONS				CUSTOMER AUTHORIZED AGENT				X				
				X				BJ SERVICES APPROVED				