



BISON

Bison Oil Well Cementing Inc.
 1547 Gaylord Street
 Denver, CO 80206
 303-296-3010

Invoice

Date	Invoice #
6/30/2013	11819

Bill To
Noble Energy Inc. Attn: Accounting 1625 Broadway Ste 2000 Denver, CO 80202

Location	Well Name & No.	Terms	Job Type		
Weld CO	Wolf Pack BO2-64-1HN	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%			-15.00%	-210.00
MILEAGE	Mileage charge	380		7.50	2850.00
Discount 15%	Discount 15%			-15.00%	-427.50
Data Acquisition ...	Data Acquisition Charge	1		225.00	225.00
Discount 15%	Discount 15%			-15.00%	-33.75
	Subtotal of Services				1,886.75
BFN III Winter ...	BFN III Blend	286	Sack	15.70	4,490.20
Discount 15%	Discount 15%			-15.00%	-673.53
KCL Mud Flush	(BHS 117)	3	qt	7.50	22.50
Discount 15%	Discount 15%			-15.00%	-3.38
Dye - 4880	Dye (Hot Pink 4880)	16	oz	15.00	240.00
Discount 15%	Discount 15%			-15.00%	-36.00
Sugar	Sugar	100	lb	2.00	200.00
	Subtotal of Materials				4,216.67
					6,103.42

Please Remit Payment To:

Bison Oil Well Cementing, Inc.
 P.O. Box 29671
 Thornton, CO 80229

Subtotal	6,103.42
Sales Tax (2.9%)	177.00
Total	6,280.42
Balance Due	6,280.42

BISON OIL WELL CEMENTING, INC.

1547 Gaylord Street
 Denver, Colorado 80206
 Phone: 303-296-3010
 Fax: 303-298-8143
 E-mail: bisonoil1@qwestoffice.net



INVOICE # 11819
 LOCATION Cr60 1/2 +57
 FOREMAN Bracl

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
June 30	WolfPack B02-64-1#N	2	5N	64W	Weld
BILL TO	CONSULTANT				
Noble Energy					
OWNER	RIG NAME & NUMBER				
	Persion Drilling #829				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCTION		
	20 miles		4022/3164/4024/1162		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	2:45am		1:30AM		
STATE, ZIP	TIME LEFT LOCATION				

WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BFW 3% oca 1/4 sk colloidal	
13 3/4			Cement - Specs	lbs	Yield
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT		15.2	1.27
621.88			Annulus Factor	Capacity Factor	
CASING SIZE	TUBING WEIGHT	OPEN HOLE	.5258	.0773	
9 5/8			TYPE OF TREATMENT		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	<input checked="" type="checkbox"/> Surface Pipe	<input type="checkbox"/> Production	<input type="checkbox"/> Squeeze
601.28			<input type="checkbox"/> MISC Pump	<input type="checkbox"/> P&A	
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
36			% Excess		
CASING CONDITION	Good		BBL to Pit		
Max Rate	5		15		
Max Pressure	1750				

DESCRIPTION OF JOB EVENTS

MIRU, Safety meeting PSI test line to 1000psi 10 fresh 10 dye 45 fresh, M&P 286 sks drop plug dis 45 bbls of H₂O pump plug hold for 5 min then do a casing PSI test 1000psi

X Authorization To Proceed

Title

X June 30 2013 Date

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.