



BISON

Bison Oil Well Cementing Inc.
 Suite 102
 Denver, CO 80202
 303-296-3010

Invoice

Date	Invoice #
12/20/2012	11296

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Shelton G-25-75HN	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Pick-Up Truck Mileage charge	360			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
Service Charge	Casing PSI Test	1			
Discount 15%	Discount 15%				
HOURS	Wait Time	2			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	324	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	16	oz		
Discount 15%	Discount 15%				
	Subtotal of Materials				

Please Remit Payment To:

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

Subtotal	\$8,006.42
Sales Tax (2.9%)	\$234.19
Total	\$8,240.61
Balance Due	\$8,240.61

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 11296

LOCATION WCR 49+42

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-20-12	<u>Shelton G 25-75HN</u>	25	4N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&P Rig 321</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>7:15pm</u>	TIME LEFT LOCATION <u>2:00am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>692</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 645.96</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH	641.57	CONDUCTOR PIPE 16"	FOR 100'	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT	36 lb.	PACKER DEPTH			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION	Good	688.71			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM

PRESSURE SUMMARY					
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> SOOZE CEMENT	FINAL BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MINIMUM psi			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Safety Meeting, Rig up, Psi check to 1000 Psi, CIRC 50 bbls H₂O with KCL + Dyex 16 in 2nd 10 bbls, Mix pump till good dye is seen at 15.2 lbs, 127 yd 5.89 gal/sk, Drop plug, Displace 49.9 bbls H₂O, Bump plug at 150 Psi OVER Lift Psi, Wait 5 min then bleed off Psi, If Float Collar Holds do Casing Psi test at 1000 Psi for 15 min then bleed off Psi, Wash up, Rig down, H₂O tested good, Shoe Joint = .434 cuft/linft, Annular = .5259 cuft/linft, Conductor Pipe = .7842 cuft/linft, 9 5/8 36 lb casing = .0773 bbls/linft.

JOB SUMMARY 9:50 pm
DESCRIPTION OF JOB EVENTS Safety Meeting 10:00 am, CIRC 11:39 am, Cement 11:50 pm to 12:14 am.

Drop Plug 12:20 am Displace 12:21 am.

10 bbls. 260 Psi 12:26 am 6.0 bbls/lm

20 bbls. 300 Psi 12:28 am 6.0 bbls/lm

30 bbls. 330 Psi 12:30 am 6.0 bbls/lm

40 bbls. 310 Psi 12:32 am 4.0 bbls/lm

49.9 bbls. 280 Psi 12:36 am 1.0 bbls/lm

Bump Plug 450 Psi at 12:36 am Float Collar Held

Casing Psi Test 12:40 am to 1000 Psi, Psi Did not Hold BOP Flange was Leaking

USED 10% EXCESS = 324 SKS, 73.28 bbls Slurry

8 bbls Slurry To the Pit

2000

WSS

12-20-12

AUTHORIZATION TO PROCEED

TITLE

DATE

Customer 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.