



BISON

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

Invoice

Date	Invoice #
12/4/2012	11253

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

Location	Well Name & No.	Terms	Job Type		
Weld, CO	Wells Ranch AE 18-63-111N	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1		1,400.00	1,400.00
Discount 15%	Discount 15%			-15.00%	-210.00
MILEAGE	Pick-Up Truck Mileage charge	360		1.50	540.00
Discount 15%	Discount 15%			-15.00%	-81.00
Data Acquisition ...	Data Acquisition Charge	1		225.00	225.00
Discount 15%	Discount 15%			-15.00%	-33.75
Service Charge	Casing PSI Test	1		500.00	500.00
Discount 15%	Discount 15%			-15.00%	-75.00
HOURS	Wait Time	3.75		250.00	937.50
	Subtotal of Services				3,202.75
BFN III Winter ...	BFN III Blend	371	Sack	18.50	6,863.50T
Discount 15%	Discount 15%			-15.00%	-1,029.53
KCL Mud Flush	(BHS 117)	5	qt	7.50	37.50T
Discount 15%	Discount 15%			-15.00%	-5.63
Dye - 4880	Dye (Hot Pink 4880)	16	oz	15.00	240.00T
Discount 15%	Discount 15%			-15.00%	-36.00
	Subtotal of Materials				6,069.84
					9,272.59

Please Remit Payment To:

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

Subtotal	\$9,272.59
Sales Tax (2.9%)	\$176.03
Total	\$9,448.62
Balance Due	\$9,448.62

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 # 11253
LOCATION Wells Ranch
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-4-12	Wells Ranch AE 18-63-14N	18	6N	62W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>HAP Rig 315</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>9:15 am</u>		TIME LEFT LOCATION <u>4:30 am 5:45 am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
13 3/4					
TOTAL DEPTH 643	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 599.55	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 638.11		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36 lb	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SOOZE CEMENT		FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Psi check to 1000 Psi, Mud Flush 45 bbls H₂O with KCL
+ Dye in 2 1/2 10 bbls, M.K. + pump a min. of 30% Excess or tell good Dye is seen at 15.2 lbs, 1.27 yield,
Drop plug, Displace 46.3 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed
off Psi, Casing Psi test 1000 Psi for 15 min, Then bleed off Psi, Washup, Rig down, H₂O
Tested good, We have 600 sks, 32 oz Dye, 15 qts KCL, 9 5/8 36 lb casing .0773, 13 3/4 Hole .5258

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety Meeting 1:34 am, Mud Flush 2:18 am, CEMENT 2:28 am to 2:52 am.

Drop Plug 2:55 am, Displace 2:56 am
10 bbls. 240 Psi 2:59 am 6.0 bbls/m
20 bbls. 330 Psi 3:01 am 6.0 bbls/m
30 bbls. 390 Psi 3:03 am 6.0 bbls/m
40 bbls. 320 Psi 3:05 am 4.0 bbls/m
46.3 bbls. 250 Psi 3:08 am 10 bbls/m
Bump Plug 540 Psi at 3:08 am. Float Collar Held
Casing Psi Test 1020 Psi 3:12 am to 1020 Psi 3:27 am.
Used 39% Excess = 371 sks, 88.9 lb bbls Slurry
Left with 251 sks, 16 oz Dye, 10 qts KCL
12 bbls Slurry To The Pit

[Signature]
 AUTHORIZATION TO PROCEED

W.S.S. NET 12-4-12
 TITLE 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.