



BISON

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

Invoice

Date	Invoice #
1/8/2013	11297

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	SLW Ranch B01-67-44N	Net 30	Surface		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1			
Discount 15%	Discount 15%				
MILEAGE	Mileage charge	360			
Discount 15%	Discount 15%				
Data Acquisition ...	Data Acquisition Charge	1			
Discount 15%	Discount 15%				
HOURS	Casing PSI Test	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	367	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	
Sales Tax (2.9%)	
Total	
Balance	

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 # 11297

LOCATION WCR 62+61

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-8-13	SLW Ranch BOLET-1AN	1	5N	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR H&P Rig 315
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 3:00pm.	TIME LEFT LOCATION 8:00pm.

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
13 3/4				
TOTAL DEPTH 670	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
POTD 620.49	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 9 5/8	TUBING CONDITION		TUBING	
CASING DEPTH 625.74		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 3616	PACKER DEPTH		[] SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION Good			[] PRODUCTION CASING	INITIAL BPM
			[] SQUEEZE CEMENT	FINAL BPM
			[] ACID BREAKDOWN	MINIMUM BPM
			[] ACID STIMULATION	MAXIMUM BPM
			[] ACID SPOTTING	AVERAGE BPM
			[] MISC PUMP	
			[] 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 Safety Meeting, Rigging, PSI Test to 1000 Psi, Mud Flush 50 bbls H₂O with KCL + Dye x 16 in 2" 10 bbls, Mix + pump Tell good Dye is seen then go 15% MORE at 152 lbs. 1.27 yield of Drop Plug, Displace 47.9 bbls. H₂O, Bump Plug at 150 Psi over Lift Psi. Wait 5 min then bleed off Psi, Casing Psi Test to 1000 Psi for 15 min then bleed off Psi, Washing Rig down 9 5/8 3616 Casing .0778, 13 3/4 Annulus Casing/Lift .5257, Casing Cap .434, Conductor Pipe 7842

JOB SUMMARY DESCRIPTION OF JOB EVENTS Safety Meeting 4:50 pm, Mud Flush 5:52 pm, Cement 6:02 pm to 6:22 pm

Drop Plug 6:24 pm, Displace 6:26 pm, 10 bbls. 220 Psi 6:30 pm 5.0 bbls/min, 20 bbls. 240 Psi 6:32 pm 5.0 bbls/min, 30 bbls. 360 Psi 6:34 pm 5.0 bbls/min, 40 bbls. 360 Psi 6:38 pm 3.0 bbls/min, 47.9 bbls. 330 Psi 6:41 pm 1.0 bbls/min, Bump Plug 580 Psi at 6:41 pm, Casing Psi Test 6:46 pm 1020 Psi to 7:01 pm 1010 Psi, USED 30% EXCESS = 3675 Ks, 83 bbls Slurry

17 bbls Slurry to the Pit

DAVE NIELSEN

[Signature]

CU-MAN

1-8-13

AUTHORIZATION TO PROCEED

TITLE

DATE

Customers hereby acknowledge and specifically agree 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.