



BISON

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

Invoice

Date	Invoice #
1/19/2013	11647

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 State USX AA	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	PSI Test	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	406	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	5	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	oz		
Discount 15%	Discount 15%				
Sugar	Sugar	50	lb		
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 Due	

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 # 11647

LOCATION 68-69

FOREMAN Kirk Kallio FS
Pablo, Wada, Mario

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-10-13	Wells Branch State 45A AA 16-68-1 H&L	14	6N	63W	Weld	

CHARGE TO Nole	OWNER
MAILING ADDRESS	OPERATOR Nole
CITY	CONTRACTOR H&P 343
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:45am	TIME LEFT LOCATION

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 665	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 623	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 659		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36 lb	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE 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: R/Fly, mixing, Rig up, Per cement circ 50 BBLs L&L H2O 2nd 1000 Dye, mix & Pump 440 SKS cement at 30% Excess at 1.77 yield at 152155 cc until stopped by cement, Release Plug Disp 48.1 BBLs H2O Pump Plug At 150psi over Lift PSI, wait 5min Release PSI, PSI test casing 1000 lbs for 15min Release PSI, wash up Rig Down H2O 2nd ok
Arrived w/ 600 SKS cement 4 cell L&L 1602 Dye 99.5 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Softly mixing 12:19pm - 4:02pm cement 4:11pm stop cement 4:40pm
Drop Plug 4:42pm Displace 4:42pm
10 BBLs AL-S BBLs/min 4:44pm 260 psi used 20% Excess
20 BBLs AL-S BBLs/min 4:46pm 350 psi used 406 SKS
30 BBLs AL-S BBLs/min 4:48pm 290 psi 91.8 BBLs slurry
40 BBLs AL-S BBLs/min 4:51pm 290 psi
48.1 BBLs AL-S BBLs/min 4:54pm 250 psi
Bump Plug 4:54pm 640 psi
PSI test casing 1000 PSI 15min

Lift w/ 194 SKS cement 2 cell 3gts L&L 602 Dye BBLs Disp 26

Mat Sells
AUTHORIZATION TO PROCEED

WSS
TITLE

1-10-13
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.