



BISON

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

Invoice

Date	Invoice #
7/12/2013	12403

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

Location	Well Name & No.	Terms	Job Type		
Weld CO	Nakagawa B13-65-HHN	Net 30	Surface Pipe		
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%				
Service Charge	PSI Test	1			
HOURS	Wait Time	3.25			
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	349	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	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 Due	

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 #
LOCATION
FOREMAN

12403
388+59
Calvin Reimer

TREATMENT REPORT

DATE 7-12-13	WELL NAME Nakagawa B13-65-11N	SECTION 13	TWP 5N	RGE 64W	COUNTY Weld
BILL TO Noble	CONSULTANT DEREK				
OWNER Noble	RIG NAME & NUMBER H&P Rig 330				
MAILING ADDRESS	DISTANCE TO LOCATION 20 miles		UNITS ON LOCATION 3106/3210		
CITY	TIME REQUESTED 5:30 pm.		TIME ARRIVED ON LOCATION 4:25 pm.		
STATE, ZIP	TIME LEFT LOCATION 12:45 am.				
WELL DATA			Cement Makeup		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	Cement Blend	BFNTL 3% BCCA-1.2514/5 KBFLA-1	
TOTAL DEPTH 634	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs 15.2	Yield 1.27
CASING SIZE 9 5/8	TUBING WEIGHT	OPEN HOLE	Annulus Factor .5259	Capacity Factor .0773	
CASING DEPTH 629.69	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT 3616.	PACKER DEPTH		<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> MISC Pump <input type="checkbox"/> Production <input type="checkbox"/> P&A <input type="checkbox"/> Squeeze		
CASING CONDITION Good			HYD HHP = RATE X PRESSURE / 40.8		
Max Rate 7			% Excess 20		
Max Pressure 2500			BBL to Pit 9		

DESCRIPTION OF JOB EVENTS

Misc, Safety meeting, Psi test to 1000 Psi, Circ 40 bbls H₂O with KCL + Pink Dye x 16 in 2nd 10 bbls, Mix + pump tell good dye is seen at 15.2 lbs. 1.27 yield, Drop plug, Displace 45.1 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Do Casing Psi Test 1000 Psi for 15 min then bleed off Psi, Washup, Rig down

X Authorization To Proceed

WSS
7/ Title

X 7-12-13 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.