



BISON

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

Invoice

Date	Invoice #
4/6/2013	11889

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 05-66 HN	Net 30	Surface Pump		
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%				
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	371	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	4	qt		
Discount 15%	Discount 15%				
Dye - 4880	Dye (Hot Pink 4880)	10	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

11889
68-69
Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
4-6-13	Wells Branch AECOS-66 H/V	6	6N	62W	Weld
BILL TO		CONSULTANT			
Noble		Stedson			
OWNER		RIG NAME & NUMBER			
		H&P 321			
MAILING ADDRESS		DISTANCE TO LOCATION		UNITS ON LOCATION	
				3103-3211	
CITY		TIME REQUESTED		TIME ARRIVED ON LOCATION	
		11:00pm		9:30pm	
STATE, ZIP		TIME LEFT LOCATION			
		3:30am			
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BENTON 3% BCCA-1, 25% Super S BFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
641				152	1.27
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor		
9 5/8			1.5258		
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	Capacity Factor		
636.11			1.0773		
CASING WEIGHT	PACKER DEPTH		TYPE OF TREATMENT		
36 lb			<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	HYD HHP = RATE X PRESSURE / 40.8				
good					
Max Rate	% Excess				
	2340				
Max Pressure	BBL to Pit				
	12				

DESCRIPTION OF JOB EVENTS

Safety meeting, Rig up, PSI test, Per cement circ 40 BBS KLL H2O and 10 w/ Dye, mix & Pump 392 SLS cement at 30% Excess at 1.27 yield at 152 lbs or until stopped by cement, Release Plug Disp 459 BBS H2O, Bump Plug at 150psi, wait 5min Release PSI wash up Rig Down

Approved

x Seene
Authorization To Proceed

COMPANY REP - NEI
Title

x 4-6-13
Date