



BISON

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

Invoice

Date	Invoice #
4/19/2013	11873

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 State B-12-6544N	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	1			
	Subtotal of Services				
BFN III Winter ...	BFN III Blend	400	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	39,194.12
Sales Tax (2.9%)	1,136.63
Total	40,330.75
Balance	40,330.75

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

11873
 59+62
 Mike R.

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
4-19-13	SLW RANCL STATE B12	12	5N	64W	Weld
BILL TO	CONSULTANT				
Noble	STELL MARTIN				
OWNER	RIG NAME & NUMBER				
Noble	HHP 315				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	36 miles		4020 4023, 111		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	1200		1130 P.M.		
STATE, ZIP	TIME LEFT LOCATION				
	5:30 AM				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BENITE 3% BCCA-1 .2513C SKS BFLA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
640				15.2	1.27
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor		Capacity Factor
9 5/8			.7892 .5259 .3434		.0723
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
634.77			<input checked="" type="checkbox"/> Surface Pipe <input type="checkbox"/> Production <input type="checkbox"/> Squeeze <input type="checkbox"/> MISC Pump <input type="checkbox"/> P&A		
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8		
36#			% Excess		
CASING CONDITION			BBL to Pit		
Good			2240		
Max Rate			19		
Max Pressure					

DESCRIPTION OF JOB EVENTS

Salty meeting, Rig up. ISA-PSF TEST 1000 PSF 60 BBLs spacer, 2nd 10 def mix + Pump
 424 SKS Cement (30% Excess) at 15.2 1.27 yield or until Compaengman stopper as
 Release Plug Displace 45.6 BBLs H2O No more than 1 BBL over Displacement Pump
 Plug 150 to 200 PSF over 1st WAIT 5min Release PSF RAW 1000 PSF TEST IN 15
 min Release PSF Wash up Rig Down

X Mike R.
 Authorization To Proceed

W.S.S. NEI
 Title

X 4-19-13
 Date