



BISON

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

Invoice

Date	Invoice #
10/7/2013	12484

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 AE20-68-011N	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%				
	Subtotal of Services				
BFN III Summer ...	BFN III Blend	538	Sack		
Discount 15%	Discount 15%				
KCL Mud Flush	(BHS 117)	7	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

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



SERVICE INVOICE

Nº 12484

WELL NO. AND FARM Wells Ranch AC 20-67-1HN	COUNTY Weld	STATE colo	DATE 10-7-13
CHARGE TO Noble	WELL LOCATION SEC. 20 TWP. 6N RANGE 62W	CONTRACTOR H&P 321	
DELIVERED TO Wells Ranch		LOCATION 1 Shop	CODE
SHIPPED VIA 31021		LOCATION 2 Wells Ranch	CODE
TYPE AND PURPOSE OF JOB Surface Pipe		LOCATION 3 Shop	CODE
		WELL TYPE Gas tail	CODE

PRICE REFERENCE	DESCRIPTION	UNITS		UNIT PRICE	AMOUNT
		QTY.	MEAS.		
	Pump Charge	1			
	BFN II 3% BCCA-1 25 bbls / sk - BFLA-1	538			
	BCLY-1	7			
	Pink Dye	16			
	Mileage 1.50 mile 60 mile min. Road Trip	3			
	Data Int	1			
	Sugar				
	Wait Time				

RIG NAME & NUMBER:
H&P 321

WELL NAME & NUMBER:
Wells Ranch AC 20-67-1HN

WELL NUMBER:
139910

TASK (DRL, COMP, W/O, P&A):
DRL

EXP TYPE:

ACTG CODE:
01-10018

DOLLAR TOTAL BEING APPLIED:
12737.00

FIELD APPROVAL: **[Signature]** DATE: **10-7-13**

ROUTE TO APPROVER:
Kelly Hele

MAIL TO: **BISON OIL WELL CEMENTING, INC.**
ATTN: ACCOUNTS PAYABLE
1025 BROADWAY SUITE 2200
DENVER, CO 80202

NO INVOICE WILL BE ISSUED UNLESS
ATTACHED SIGNED FIELD TICKETS

If this account is not paid within 30 days of invoice date a FINANCE CHARGE will be made. Computed at a single monthly rate of 1 1/4% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

TOTAL

SUBJECT TO CORRECTION

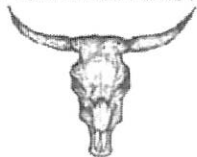
Customer or His Agent

Bison Oil Well Cementing, Inc. Representative

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

BISON OIL WELL CEMENTING, INC.

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Denver, Colorado 80206
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INVOICE #

12484

LOCATION

Well Ranch

FOREMAN

Randy Lynch

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
10-7-13	Wells Ranch 20-67-14N	20	6N	62W	Weld
BILL TO	CONSULTANT				
Noble	Jim				
OWNER	RIG NAME & NUMBER				
Noble	H&P 321				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
	33		31021		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	8:30 am				
STATE, ZIP	TIME LEFT LOCATION				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend		
13 3/4			BFN III 3% BCCA-1 .25 lbs/sk BFA-1		
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Cement - Specs	lbs	Yield
				15.2	1.27
					5.89
CASING SIZE	TUBING WEIGHT	OPEN HOLE	Annulus Factor	Capacity Factor	
9 5/8			.5259	.0773	
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		
			<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					
CASING CONDITION	Good		% Excess	16	
Max Rate	7		BBL to Pit	12	
Max Pressure	2000				

DESCRIPTION OF JOB EVENTS

MIRU, Safety meeting. PSI test to 1000, OK 70 bbls H₂O with pink Dye in 2nd 10 bbls H₂O, mix & pump cement till good Dye is seen @ 15.2 with yield 1.27, Drop plug, Displace 73.6 bbls H₂O, Bump plug 150 psi over lift pressure. Hold for 5 min. Bleed off pressure Test casing to 1000 psi for 15 min. Bleed off Rig Down, wash up

X Authorization To Proceed

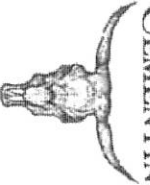
WSD
Title

X 10-7-13
Date

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INVOICE #
LOCATION
FOREMAN

12484
Wellhead
Randy Lynch

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

Safety Meeting	11:45	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5		
MIRU	10:30	BBS	Time	PSI	BBS	Time	PSI	BBS	Time	PSI	BBS	Time	PSI	BBS	Time	PSI
CIRCULATE	12:25	0	1:13	60	0			0			0			0		
Drop Plug		10	1:14	60	10			10			10			10		
		20	1:17	150	20			20			20			20		
		30	1:21	230	30			30			30			30		
		40	1:23	280	40			40			40			40		
		50	1:25	290	50			50			50			50		
M & P		60	1:26	380	60			60			60			60		
Time	Sacks	70	1:32	400	70			70			70			70		
Stop 1:38	538	80	Bump Plug @ 400		80			80			80			80		
		90			90			90			90			90		
		100			100			100			100			100		
		110			110			110			110			110		
		120			120			120			120			120		
		130			130			130			130			130		
		140			140			140			140			140		
		150			150			150			150			150		

Notes:

Bump Plug @ 150 over lift at 400 PSI. Flow H-LD pressure test reading @ 1000 PSI for 15 min held off. Used 10% EXCESS = 538 SL, 132 bbls Slurry @ 152 #/gal yield 1.27
12 bbls Slurry back to surface

X  Title WSS

X 10-7-13 Date

Work Performed