



BISON

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

Invoice

Date	Invoice #
9/6/2013	12831

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/AE20-62-1H	Net 30	Surface Pipe		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1		1,400.00	1,400.00
Discount 15%	Discount 15%			-15.00%	-210.00
MILEAGE	Mileage charge	380		1.50	570.00
Discount 15%	Discount 15%			-15.00%	-85.50
Data Acquisition ...	Data Acquisition Charge	1		225.00	225.00
Discount 15%	Discount 15%			-15.00%	-33.75
Service Charge	Iron Inspection	1		500.00	500.00
	Subtotal of Services				2,365.75
Type III 3% CCA		663	Sack	19.10	12,663.30T
Discount 15%	Discount 15%			-15.00%	-1,899.50
Dye - 4880	Dye (Hot Pink 4880)	16	oz	15.00	240.00T
Discount 15%	Discount 15%			-15.00%	-36.00
Sugar	Sugar	100	lb	2.00	200.00T
	Subtotal of Materials				11,167.80
					13,533.55

Please Remit Payment To:

Bison Oil Well Cementing, Inc.
 P.O. Box 29671
 Thornton, CO 80229

Subtotal	\$13,533.55
Sales Tax (2.9%)	\$323.87
Total	\$13,857.42
Balance Due	\$13,857.42

BISON OIL WELL CEMENTING, INC.

1547 Gayle, rd Street
Denver, Colorado 80206
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net



INVOICE #

LOCATION

FOREMAN

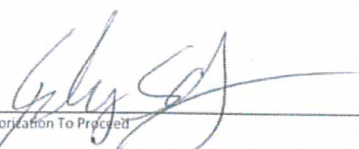
12831
Wells Ranch
Brookings, SD

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
Sept 6 2013	Wells Ranch USX AE 20-62-14W				
BILL TO	CONSULTANT				
Noble Energy	Jonny Sanchez				
OWNER	RIG NAME & NUMBER				
	HP 343				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3104/3105/111		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	11:00		9:30		
STATE, ZIP	TIME LEFT LOCATION				
	35				
WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	Type III 3% CCA 1/4 celestolite	
13 3/4			Cement - Specs	lbs	Yield
				15.2	1.27
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
967.38			.5258	.0773	
CASING SIZE	TUBING WEIGHT	OPEN HOLE	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		
9 5/8					
CASING DEPTH	TUBING CONDITION	TREATMENT VIA			
962.3					
CASING WEIGHT	PACKER DEPTH				
36					
CASING CONDITION	Good				
Max Rate	5				
Max Pressure	1750				
			HYD HHP = RATE X PRESSURE / 40.8		
			% Excess	50	
			BBL to Pit	17	

DESCRIPTION OF JOB EVENTS

MTRU. Safety meeting pressure test lines to 1000psi then pump 10 Fresh 10 daye 20 Fresh then M&P 442 sk 44 bbls of mix Drop plug Dis 73.85 bbls of H₂O land plug hold for 5 min to see if floats hold then do a casing pressure test to 1000psi hold for 15 min rig down clean up. (Did not do a casing pressure test)

X 
 Authority To Proceed

455
 Title

X Sept 6 2013
 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.

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INVOICE #
LOCATION
FOREMAN

12831
Wells Ranch
Brad Kosinski

Treatment Report Page 2

DESCRIPTION OF JOB EVENTS

Safety Meeting	Displace 1		Displace 2		Displace 3		Displace 4		Displace 5	
	Time	PSI	Time	PSI	Time	PSI	Time	PSI	Time	PSI
MIRU	12:35									
CIRCULATE	12:15									
Drop Plug	11:15									
203	0	203	20	0	0	0	0	0	0	0
	10	208	70	10	10	10	10	10	10	10
	20	210	100	20	20	20	20	20	20	20
	30	212	196	30	30	30	30	30	30	30
	40	214	290	40	40	40	40	40	40	40
M & P	50	216	380	50	50	50	50	50	50	50
Time	Sacks									
1:25 start	663	70.5	234	670	60	60	60	60	60	60
2:03 stop		80		80	70	70	70	70	70	70
		90		90	80	80	80	80	80	80
		100		100	90	90	90	90	90	90
		110		110	100	100	100	100	100	100
		120		120	110	110	110	110	110	110
		130		130	120	120	120	120	120	120
		140		140	130	130	130	130	130	130
		150		150	140	140	140	140	140	140
					150	150	150	150	150	150

Notes:

MIRU. Safety meeting pressure test are lines to 1000 psi, then pump 10 fresh 100 lb
20 Fresh then go into 114 P 442 sks then drop plug then dis 73.85 bbls of H₂O
land plug hold for 5 min to see if the float hold then do a 1000 pound pressure
test on casing for 15 min then rigdown clean up. (Did not do a casing
pressure test.)

X WSS
Work performed Title

X 9-6-13