

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 10847

WELL NO. AND FARM <i>BERNHARDT PC J31-22D</i>		COUNTY <i>WELD</i>	STATE <i>CO</i>	DATE <i>1-16-12</i>
CHARGE TO <i>NOBLE</i>		WELL LOCATION SEC. <i>31</i> TWP. <i>5N</i> RANGE <i>46W</i>		CONTRACTOR <i>SAXON 145</i>
		DELIVERED TO <i>CR 52425</i>		LOCATION <i>1 540P</i> CODE
		SHIPPED VIA <i>3101-3203</i>		LOCATION <i>2 CR 52425</i> CODE
		TYPE AND PURPOSE OF JOB <i>SURFACE PIPE</i>		LOCATION <i>3 540P</i> CODE
				WELL TYPE <i>4AS</i> CODE

PRICE REFERENCE	DESCRIPTION	UNITS		UNIT PRICE	AMOUNT	
		QTY.	MEAS.			
	<i>Pump Charge</i>	<i>1</i>	<i>ea</i>	<i>1400.00</i>	<i>1400</i>	<i>00</i>
	<i>BFN 17 3% BCCA-1 .25 LBS KS B F 4A-1</i>	<i>2413</i>	<i>SKS</i>	<i>18.25</i>	<i>4434</i>	<i>75</i>
	<i>BCLY 1</i>	<i>4</i>	<i>QTS</i>	<i>7.50</i>	<i>30</i>	<i>00</i>
	<i>DYL</i>	<i>10</i>	<i>02</i>	<i>15.00</i>	<i>240</i>	<i>00</i>
	<i>Mileage 150 per mile 60 mile min. Round Trip</i>	<i>3</i>	<i>ea.</i>	<i>180.00</i>	<i>540</i>	<i>00</i>
	<i>DATA Entry.</i>	<i>1</i>	<i>ea</i>	<i>225.00</i>	<i>225</i>	<i>00</i>
<div style="border: 1px solid black; padding: 5px;"> <p align="center">DRILLING</p> <p>WELL NO. <i>SAXON 145</i></p> <p>WELL NAME & NO. <i>Bernhardt PC J31-22D</i></p> <p>PROJECT NO. <i>130348</i></p> <p>TASK (DATE - COMP. W/ PMA) <i>D.L.V.</i></p> <p>ACTG. CODE <i>01.10017</i></p> <p>DOLLAR ESTIMATE <i>6869.75</i></p> <p>1ST LEVEL APPROVAL <i>[Signature]</i> DATE <i>1-17-12</i></p> <p>2ND LEVEL APPROVAL _____ DATE _____</p> <p>MAIL TO: NOBLE ENERGY INC. 1625 BROADWAY SUITE 100 DENVER, CO 80202</p> </div>						
			Loaded Miles		Ton Miles	

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 1/2% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

SUB TOTAL
2.990 TAX

TOTAL

SUBJECT TO CORRECTION

[Signature]
Customer or His Agent

[Signature]
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.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10847

LOCATION CR 57425

FOREMAN Pat Nowak

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-17-12	Bernhardt PL 531-22-11	31	5N	66W	weed	

CHARGE TO NOBLE	OWNER
MAILING ADDRESS	OPERATOR NOBLE
CITY	CONTRACTOR SAXON 145
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 8:30 pm.	TIME LEFT LOCATION 5:45

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 2 1/2	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 715	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 661.6	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 703.8		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24#	PACKER DEPTH		[X] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION GOOD			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY		
BREAKDOWN or CIRCULATING psi	AVERAGE psi	
FINAL DISPLACEMENT psi	ISIP psi	
ANNULUS psi	5 MIN SIP psi	
MAXIMUM psi	15 MIN SIP psi	
MINIMUM psi		

INSTRUCTIONS PRIOR TO JOB Rig up SAT treatment, per completion man LAC HODDLE H2O with 100% DYE
in 2nd 10 m + P till DYE is seen then pump tubing on 495 1.52# 1.27X1200 DONT GO OVER
30% EXCESS W/ OUT TALKING to completion man PROPPING DISPLACE 42# BBL 5120
Bump PL 66 150 PSI OVER LIFT PSI wait 5 min - release PSI, was 495 RIG DOWN
VC 1000 6005 K5 3202 DYE 4005 KCL

JOB SUMMARY		
DESCRIPTION OF JOB EVENTS SAT 2:45 AM CIRC 3:44 MIX 3:56 DISPLACE 4:24		
DISPLACE 4:27		
10 4:29 240 PSI 5 BBL MIN		
20 4:31 250 PSI 5 BBL MIN		
30 4:33 350 PSI 5 BBL MIN		
40 4:37 280 PSI 4 BBL MIN		
42 4:40 350 1 BBL MIN		
Bump PL 66 570 PSI AT 4:40 AM float collar held -		
used 495 EXCESS = 2435 K5, 55 BBL 54 LAY.		
Aug cement 2 BBL MIN		
left with 3575 K5 1602 DYE OK KCL -		
5 BBL 50 PSI		

Signature
AUTHORIZATION TO PROCEED

WSS
TITLE

1-17-12
DATE