

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 # 11502

LOCATION 48557

FOREMAN Kirk Lallhoff
Tucker, CO

TREATMENT REPORT

DATE 4/29/12	WELL NAME Hobbsman cor 657W	SECTION 2	TWP 4N	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 132				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 6:00am		TIME LEFT LOCATION 3:00pm				


WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 706	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 655	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 695		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 36 lbs	PACKER DEPTH		[] 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

INSTRUCTIONS PRIOR TO JOB Rig up safety meeting 1st test Perco-nor Circ 50 bbls KCL H₂O w/ dye in 2nd 10 min
 Spring 381 sks cement at 30% excess at 1127 yield at 30% excess at 15.2 lbs an until cement stops 128
 Release Plug Disp 50.6 bbls H₂O Bump Plug 150 psi over 144 psi wait 5 min release 1st wash up
 rig down H₂O test OK
 arrived w/ 650 sks cement 4601 KCL 16 oz dye 36.1 bbls slurry

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety meeting 1:20pm Circ 1:39pm Cement 1:47pm
 stop cement 2:11pm Drop Plug 2:12pm Disp 2:12pm

10 at 6.0 BBLs/m 2:14pm 350psi	Used 36 % excess
20 at 6.0 BBLs/m 2:16pm 350psi	Used 400 sks cement
30 at 6.0 BBLs/m 2:17pm 480psi	90.4 bbls slurry
40 at 6.0 BBLs/m 2:19pm 500psi	
50 1.0 BBLs/m 2:22pm 300psi	
50.4 1.0 BBLs/m 2:22pm 300psi	
Bump Plug 2:22pm 640psi	

left w/ 250 sks cement 3gal 3qt KCL & Dye BALS back 1B

AUTHORIZATION TO PROCEED  TITLE WSS DATE 4/29/12

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SERVICE INVOICE

№ 11502

WELL NO. AND FARM <i>Hoffman cor-LSAN</i>	COUNTY <i>Weld</i>	STATE <i>CO</i>	DATE <i>4/29/10</i>
CHARGE TO <i>Noble</i>	WELL LOCATION SEC. <i>2</i>	TWP. <i>4N</i> RANGE <i>64W</i>	CONTRACTOR <i>Ensign 132</i>
	DELIVERED TO <i>48557</i>	LOCATION <i>1 48557 Shop</i>	CODE
	SHIPPED VIA <i>3/03-3204</i>	LOCATION <i>2 Shop 48557</i>	CODE
	TYPE AND PURPOSE OF JOB <i>Surface Pipe</i>	LOCATION <i>3 Shop</i>	CODE

PRICE REFERENCE	DESCRIPTION
	<i>Pump charge</i>
	<i>BFW 3% BCCA-1.25 lb / sk BFLY-1</i>
	<i>BFLY-1</i>
	<i>Dye</i>
	<i>Mileage 74.50 / mi 1.00 mi kin roundtrip</i>
	<i>Ensign 132</i>
	<i>Hoffman cor-65110</i>
	<i>Tablone</i>
	<i>Loaded Miles</i>

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%.

NOBLE ENERGY INC.
ATTN: ACCOUNTS PAYABLE
1625 BROADWAY, SUITE 2200
DENVER, CO 80202
NO INVOICE WILL BE ADDED AT CORPORATE OFFICE"
ATTACHED SIGNED FIELD TICKETS

TAX REFERENCES

SUB TOTAL

2.91 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.