

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

№ 11967

WELL NO. AND FARM <i>Vigilant state AC 16-01</i>		COUNTY <i>weld</i>	STATE <i>CO</i>	DATE <i>6-22-13</i>
CHARGE TO <i>ncble</i>		WELL LOCATION SEC. <i>16</i> TWP. <i>7N</i> RANGE <i>63W</i>		CONTRACTOR <i>Ensign 121</i>
		DELIVERED TO <i>80-65</i>		LOCATION 1 <i>shop</i> CODE
		SHIPPED VIA <i>3103-3299</i>		LOCATION 2 <i>80-65</i> CODE
		TYPE AND PURPOSE OF JOB <i>Surface Pipe</i>		LOCATION 3 <i>shop</i> CODE
				WELL TYPE <i>625</i> CODE

PRICE REFERENCE	DESCRIPTION	UNITS		UNIT PRICE	AMOUNT
		QTY.	MEAS.		
	<i>Pump charge</i>	<i>1</i>	<i>perh</i>		
	<i>BFN III 34% BCCA-1 125lbs per 2 BFLA-1</i>	<i>450</i>	<i>sls</i>		
	<i>milage 1st permit 60m term in road trip</i>	<i>3</i>	<i>perh</i>		
	<i>BLLK-1</i>	<i>6</i>	<i>cts</i>		
	<i>Red Dye</i>	<i>10</i>	<i>oz</i>		
	<i>Deter Ac</i>	<i>1</i>	<i>perh</i>		

RIG NAME & NUMBER: *Ensign 121*

WELL NAME & NUMBER: *Vigilant state AC1601*

AFE NUMBER: *1178484*

TASK (DRILL, COMB, W/O, P&A): *Drill*

EXP TYPE:

ACTG CODE: *0017*

DOLLAR TOTAL BEING APPROVED: *10747.50*

DATE: *6-22-13*

TOTAL WEIGHT: *450*

LEADED MILES: *600*

TAX REFERENCES:

MAIL TO: NOBLE ENERGY INC.
ATTN: ACCOUNTS PAYABLE
2825 BROADWAY, SUITE 2200
DENVER, CO 80202

NO INVOICE VALUE PAID W/O ALL ATTACHED SIGNED PICKUP 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 1/2% which is equal to an ANNUAL PERCENTAGE RATE OF 18%.

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

SUB TOTAL

TAX

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.

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



INVOICE # 11967
 LOCATION 80-69
 FOREMAN Kirk

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY
6-22-13	Ugiant Lake AC1601	16	7N	63W	weld
BILL TO	CONSULTANT				
NOTE	Henry				
OWNER	RIG NAME & NUMBER				
	Ensign 121				
MAILING ADDRESS	DISTANCE TO LOCATION		UNITS ON LOCATION		
			3103-3211		
CITY	TIME REQUESTED		TIME ARRIVED ON LOCATION		
	5:00 am		4:45 am		
STATE, ZIP	TIME LEFT LOCATION				
	8:30 am				

WELL DATA			Cement Makeup		
HOLE SIZE	TUBING SIZE	PERFORATIONS	Cement Blend	BF 3% BCLT-1, 25 lbs per sk BPLA-1	
13 3/4			Cement - Specs	lbs	Yield
				15.2	1.27
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	Annulus Factor	Capacity Factor	
742			1.5258	1.0773	
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			
762					
CASING WEIGHT	PACKER DEPTH		HYD HHP = RATE X PRESSURE / 40.8 % Excess 24% BBL to Pit 27		
34 lb					
CASING CONDITION	Good				
Max Rate					
Max Pressure					

DESCRIPTION OF JOB EVENTS

Setup, mixing, Rig up, PSI test, Permen air 60 BBS KLL H2O 2nd 104/Dye, mix & Pump 450 SKS cement at 30% excess at 1.27 yield at 15.2 lbs or until stopped by cement, Release Plug Disp 57 BBS H2O, Bump Plug At 150 PSI out Lift PSI, wait 5 min, Relax PSI, wash up Rig Done

X _____
 Authorization To Proceed

 Title

X 6-22-13
 Date

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