

BISON OIL WELL CEMENT, INC.



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

INVOICE # 9022

LOCATION 1134-55

FOREMAN Kirk Railbors
Mike R Tucker

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-18-10	Karch Blue D24-14	24	3N	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 353
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 7:00am 7:15am	TIME LEFT LOCATION 6:00pm 5:00pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 2	TUBING SIZE 2 7/8	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 4750	TUBING DEPTH 4750	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE	TUBING CONDITION		TUBING		
CASING DEPTH		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION			[] PRODUCTION CASING		INITIAL BPM

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE
BREAKDOWN or CIRCULATING psi	AVERAGE psi		[] SQUEEZE CEMENT		FINAL BPM
FINAL DISPLACEMENT psi	ISIP psi		[] ACID BREAKDOWN		MINIMUM BPM
ANNULUS psi	5 MIN SIP psi		[] ACID STIMULATION		MAXIMUM BPM
MAXIMUM psi	15 MIN SIP psi		[] ACID SPOTTING		AVERAGE BPM
MINIMUM psi			[X] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, safety meeting, Break circ mix (Pump 100 sks Type 6 cement Displace 20 BBLS Tag, mix & Pump 75 sks Type 6 cement Disp 15 BBLS H2O Tag, mix & Pump 75 sks Type 6 cement Disp 5 BBLS H2O, mix & Pump 150 sks Type 6 cement Disp 2 BBLS H2O wash up Rig Down

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 6-18-10 8:05am, 6-21-10 8:31am

6-18-10 Break circ 8:15am	6-21-10 Break circ 9:35am	Break circ 11:37am
cement 8:20am	cement 9:37am	cement 11:41am
Disp 8:40am	Disp 9:43am	Disp 11:48am
stop 8:52am	stop 9:50am	stop 11:50am
6-21-10 Break circ 8:45am	Break circ 10:46am	Break circ 3:36pm
cement 8:50am	cement 10:52am	cement 3:40pm
Disp 8:59am	Disp 11:00am	stop 4:10pm
stop 9:10am	stop 11:03am	

used 484 sks cement
used 109.36 BBLS slurry

AUTHORIZATION TO PROCEED

TITLE

DATE

BISON OIL WELL CEMENTING, INC.

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Phone: 303-296-3010
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SERVICE INVOICE

No 9022

WELL NO. AND FARM <i>Kanich Blue D24-14</i>	COUNTY <i>weld</i>	STATE <i>CO</i>	DATE <i>6-18-10</i>
CHARGE TO <i>Noble</i>	WELL LOCATION SEC. <i>24</i> TWP. <i>3N</i> RANGE <i>64W</i>	CONTRACTOR <i>Ensigh 353</i>	
DELIVERED TO <i>cr 34-55</i>		LOCATION <i>1 shop</i>	CODE
SHIPPED VIA <i>3102/3205</i>		LOCATION <i>2 cr 34-55</i>	CODE
TYPE AND PURPOSE OF JOB <i>PEA</i>		LOCATION <i>3 shop</i>	CODE
		WELL TYPE <i>gas</i>	CODE

PRICE REFERENCE	DESCRIPTION	UNITS		UNIT PRICE	AMOUNT	
		QTY.	MEAS.			
	Pump charge	1	each	<i>00</i>	2000	<i>00</i>
	Type G 240 BCCA-1	<i>484</i>	<i>sils</i>			<i>-0</i>
	mileage \$1.50 per mile 60 mile min Round trip	3	each			<i>00</i>
	Data Acc	1	each			<i>00</i>
	Pump charge	1	each			
	mileage \$1.50 per mile 60 mile min Round trip	3	each			
	Data Acc	1	each			
	Drill Pipe Adjust					
	Rig time Adjust					
	<i>Kanich Blue D24-14</i>					
	Total Weight		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%.

TAX REFERENCES

SUB TOTAL

TAX

TOTAL

"TAXES WILL BE ADDED AT CORPORATE OFFICE"

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.

DAILY TIME TICKET

No. 3935



Casey
ENSIGN

Well Services Inc.

24020 Weld County Road 46 • LaSalle, Colorado 80645 • Field Office: (970) 284-6006

DATE

6-21-10

CHARGE TO: Noble EnergyWELL NAME & NO. Korch Blue D24-14

ADDRESS

STATE COCOUNTY Weld

ZIP

TIME 6:00

TO

6:30

FIELD

RIG NO. 353

HOURS	DESCRIPTION
6:00 TO 6:30	Crew travel to loc. Safety Meeting on Rig up Swivel.
TO 7:00	Check O sur. T1H w/ 147 + Chipple Tag on J+ 147
TO 9:40	13' out (2) (4564) lay down 1st Rig up Cementers
TO 10:45	Pump 50 sacks Rig down Cem. lay down 14jts + Rig up Cem.
TO 11:40	Pump 75 sack w/ 132jts (2) (4100) Rig down Cem. Pulled 68jts
TO 12:17	Rig up Cem. Pump 75 sacks w/ 2000 (2) (2000) Rig down Cem. Pulled 43jts + Rig up Cem. Pump 430 sack w/ 21jts w/ 21 (2) (660)
TO 2:40	Pulled 21jts Change equipment + N/ down Bop's
TO 6:00	wait for cement to set. Tag cement @ W/ 10jts top off surface. Pick Pump & tank + Rig down.
TO 6:30	Crew travel.

COLUMN 1	NO.	SIZE	NO.	SIZE	NO.	SIZE	COLUMN 2	HRS.	HOURLY RATE	PRICE	
RODS PULLED							RIG	11 1/2			
TUBING PULLED							FUEL CHARGE				
RODS RUN							CREW TRAVEL				
TUBING RUN							EXTRA LABOR	12 1/2			
RENTAL EQUIPMENT	DESCRIPTION & HOURS					PRICE					
PUMP / WORK TANK	Korch Blue D24 14							SUPPLIES	SIZE	QTY.	PRICE PER UNIT
BOP						250.00		SWAB CUPS			
POWER SWIVEL	80							OIL SAVER RUBBERS			
FISHING TOOL	Y							ROD WIPERS			
JU STRIPPING HEAD	Y							TUBING STRIPPERS	2 3/8	4	1.00
LIGHT PLANT								THREAD DOPE	1"	36	2.50
TRAILERS	Rig Pad					40.00					
									COLUMN 2 SUBTOTAL		
	CJR								COLUMN 1 SUBTOTAL		
	RENTAL EQUIPMENT SUBTOTAL					290.00		TOTAL			
	APPLICABLE TAX					55.10					
RENTAL EQUIPMENT TOTAL						234.90		OPERATOR Dosi Nanga 12 1/2 HOURS			

OPERATOR	Desi Nava	12 1/2 HOURS
DERRICKMAN	Alfredo Sainz	HOURS
FLOOR HAND	Juvenal Varela	HOURS
FLOOR HAND	Juan Andrade	HOURS
INCIDENTS	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	

SIGNATURE - CUSTOMER REPRESENTATIVE

SIGNATURE - SUPERVISOR

Well Services Inc.

DATE _____

CHARGE TO: Noble Energy WELL NAME & NO. Karch blue D24-14
ADDRESS _____ STATE CO COUNTY Weld ZIP _____
TIME 6:00 TO 8:00 FIELD _____ RIG NO. 353
START FINISH

HOURS	DESCRIPTION
6:00	Crew travel to loc. Check Safety Meeting on Rig up Cementers
TO 7:30	Check PSI O/O sur. O. Rig up Cementers Pump 100syr
TO	Pulled 9st out Rig up Cementer Cementer couldn't get
TO	pump cement TOOTH w/ 90jts + lay down 56jts full of
TO 12:30	cement. THT w/ 68 68jts + lay down. Change to 2 3/8 equipment
TO	Pick up 19 19 had trouble tith work Pipe count time
TO	to tith 119 119 on I+ 114 had trouble work Pipe no
7:30 TO 8:00	Progress. TOOTH w/ 114jts + shut in well.
TO	
TO	
TO	

COLUMN 1	NO.	SIZE	NO.	SIZE	NO.	SIZE	COLUMN 2	HRS.	HOURLY RATE	PRICE
RODS PULLED							RIG	13	25.500	
TUBING PULLED							FUEL CHARGE			
RODS RUN							CREW TRAVEL		200.00	
TUBING RUN							EXTRA LABOR	14	43.00	

RENTAL EQUIPMENT	DESCRIPTION & HOURS	PRICE	SUPPLIES		SIZE	QTY.	PRICE PER UNIT
PUMP/ WORK TANK		650 ⁰⁰					
BOP		250 ⁰⁰	SWAB CUPS				
POWER SWIVEL			OIL SAVER RUBBERS				
FISHING TOOL	X 50		ROD WIPERS				
JU STRIPPING HEAD	X	113 ⁰⁰	TUBING STRIPPERS				44 ⁰⁰
LIGHT PLANT			THREAD DOPE				36 ⁰⁰
TRAILERS		40 ⁰⁰					
	MYT Elevators	280 ⁰⁰	COLUMN 2 SUBTOTAL				
	CR		COLUMN 1 SUBTOTAL				
	RENTAL EQUIPMENT SUBTOTAL	1333 ⁰⁰					
	APPLICABLE TAX	253.27	TOTAL \$				

RENTAL EQUIPMENT TOTAL

OPERATOR	Des Nara	14	HOURS
DERRICKMAN	Josue Valera	}	HOURS
FLOOR HAND	Juan Andrade		HOURS
FLOOR HAND	Alfredo Sainz		HOURS
INCIDENTS	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		

Es. Casey



Well Services Inc.

24020 Weld County Road 46 • LaSalle, Colorado 80645 • Field Office: (970) 284-6006

Noble Energy

WELL NAME & NO

DATE _____

6-17-10

Karch Blue D24-14

ADDRESS

STATE

COUNTY

718

TIME 6:00
START

TO

5:30

FIELD D

RIG NO

353

COLUMN 1		NO.	SIZE	NO.	SIZE	NO.	SIZE	COLUMN 2	HRS.	HOURLY RATE	PRICE
RODS PULLED								RIG	10 1/2		2000.50
TUBING PULLED								FUEL CHARGE			
RODS RUN								CREW TRAVEL	200		
TUBING RUN								EXTRA LABOR	11 1/2		
RENTAL EQUIPMENT	DESCRIPTION & HOURS					PRICE		minus	19		
PUMP / WORK TANK	X					650.00		SUPPLIES	SIZE	QTY.	PRICE PER UNIT
BOP						250.00		SWAB CUPS			
POWER SWIVEL								OIL SAVER RUBBERS			
FISHING TOOL								ROD WIPERS			
JU STRIPPING HEAD	CJ LYT elevators							TUBING STRIPPERS	1 1/4	1	
LTGHT- PLANT						280.00		THREAD DOPE	1 1/4	1	
TRAILERS	Rig Pad					40.00					
	Flange					35.00					
								COLUMN 2 SUBTOTAL			
								COLUMN 1 SUBTOTAL			
	RENTAL EQUIPMENT SUBTOTAL					1255.00					
	minus 19% APPLICABLE TAX					238.45		TOTAL			

TOTAL : 74-7 0-7

RENTAL EQUIPMENT TOTAL 1016.55

OPERATOR *Mac' Kane* 11 1/2 HOURS

DERRICKMAN	Theresa Webb	1	HOURS
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FLOOR HAND	Tina Andrews	HOURS
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FLOOR HAND	Alfredo Garcia	HOURS
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INCIDENTS ☐ YES ☒ NO

SIGNATURE — CUSTOMER REPRESENTATIVE

SIGNATURE — SUPERVISOR

WHITE	INVOICE	GREEN	FIELD	CANADY	DEALER	BLACK	CUSTOMER	GOLD	OPERATOR
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Casey



Well Services Inc.

DATE 6-16-70

CHARGE TO: Noble Energy

WELL NAME & NO. Horch Blue D 24-17

ADDRESS _____ STATE _____ COUNTY _____ ZIP _____
TIME 6:00 TO 9:15 FIELD _____ RIG NO. 353
START FINISH

HOURS	DESCRIPTION
6:00 TO	Crew travel to loc. Safety Meeting on Rig up.
TO 11:00	Move equipment to new loc. Rig broke down.
TO	Rig up equipment. Check PSI 100% sur. O Rig up
1:30 TO	Rig + Pump + tank. Bleed of PSI Pump 2000#
2:30 TO	for 30 min + hold. W/4P BOP'S PSI. W/4P BOP'S
TO 5:15	shut in well
TO	
TO	
TO	
TO	Hydroloc Hose for the string Stirling
TO	Ensign time = 2 1/2 hrs

[illegible]

TOTAL

OPERATOR	Desi Nava	10 PM	HOURS
DERRICKMAN	Juvenal Varela	S	HOURS
FLOOR HAND	Juan Andrade		HOURS
FLOOR HAND	Alfredo Saez		HOURS
INCIDENTS	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		