



Operator Name: Noble Energy, Inc. Lease Name: Jones Well #: 13-13  
 Sec. 13 Twp. 2 S. R. 39  East  West County: Cheyenne

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Triple Combo (DEN/NEU/IND), CBL/CCL/GR</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name <u>Niobrara</u> Top <u>1225'</u> Datum _____
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	9 7/8"	7"	17 Lbs/Ft.	207'	50/50 POZ	72 sx	3% CaCl, .25% Flo-celc
Production	6-1/4"	4-1/2"	10.5 Lbs/Ft.	1430'	Lead Type III	28 sx	12% Gel, 2% CaCl, 25% Polyflake
					Tail Type III	56 sx	2% Gel, 1% CFL-80

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth
3 SPF	Perf Niobrara interval from 1225'-1264'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(39', 3spf, 117 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,807 gals 25% CO2 foamed	
		gel carrying 100,060 lbs 16/30 sand. ATP- 549 psi; ATR- 14.2 bpm.	

TUBING RECORD	Size Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First, Resumerd Production, SWD or Enhr. <b>Waiting on hookup</b>	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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Disposition of Gas  Vented  Sold  Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

# BISON OIL WELL CEMENTING, INC.



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

INVOICE # 7883  
 LOCATION CR-22 KS  
 FOREMAN Eric, Tony, Cisco

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-20-08	Jones 13-13	13	25	39W	Cheyenne	

CHARGE TO <u>McPherson Drilling</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Scott</u>
CITY	CONTRACTOR <u>McPherson</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>80 miles</u>
TIME ARRIVED ON LOCATION <u>1:00</u>	TIME LEFT LOCATION

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>9 3/8</u>				
TOTAL DEPTH <u>204</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>7'</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>199</u>		TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT <u>12"</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM <u>750</u>
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM <u>340</u>
			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION <u>20</u>	MAXIMUM BPM <u>1150</u>
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
			<input type="checkbox"/> MISC PUMP	
			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8

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

INSTRUCTIONS PRIOR TO JOB MRP, safety meeting, est circ, M\*P 72 sks cont yield 117  
Density 15.2 Displace 7.4 BBLs N<sub>2</sub>O shut in well wash up to pit

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MRP(1:00) safety meeting(1:05) Est circ(1:11) M\*P 72  
skt cont(1:12) Displace 7.4 BBLs N<sub>2</sub>O(1:15) shut in well wash  
up to pit(1:20)  
4 bbls to pit

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 KANSAS CORPORATION COMMISSION

DEC 09 2008

*[Signature]*

*[Signature]*

8-20-08

AUTHORIZATION TO PROCEED

TITLE

DATE

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@gwest.net

INVOICE # 7884  
 LOCATION CR 22 Ks  
 FOREMAN E.C. Clarence

## TREATMENT REPORT

DATE <u>8-23-08</u>	WELL NAME <u>Jones R-11</u>	SECTION <u>B</u>	TWP <u>2 S</u>	RGE <u>39 W</u>	COUNTY <u>Cheyenne</u>	FORMATION
CHARGE TO <u>Excell Services</u>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Rig 17</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>50 miles</u>			
TIME ARRIVED ON LOCATION <u>7:00</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>6 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1445</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PRO 1386</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1425</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			<input checked="" type="checkbox"/> PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER		HYD HWP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB m+p, safety meeting, 30 bbl mud flush, m+p 28 sks<sup>3</sup> cement yield 2.64 Density 12, m+p 56 sks<sup>3</sup> cement yield 1.03 Density 13.8, Drop Plug, Displace 22 bbls H<sub>2</sub>O, set Plug @ 1400-1500 psi

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MZR (7:30) safety meeting (8:15) 30 bbl mud flush (8:30) m+p 28 sks<sup>3</sup> cement (8:36) m+p 56 sks<sup>3</sup> cement (8:43) Drop Plug (8:51) Displace 22 bbls H<sub>2</sub>O (8:52) set Plug @ 1400-1500 psi (9:00)

Time	Away	Psi
8:55	10	200
8:59	20	450
9:00	22	1500

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 KANSAS CORPORATION COMMISSION

DEC 09 2008

5 bbls to pit

CONSERVATION DIVISION  
 WICHITA, KS

Joe Helbert AUTHORIZATION TO PROCEED TITLE DATE 8-23-08

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.