

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

Operator: License # 33190  
Name: Noble Energy, Inc.  
Address: 1625 Broadway, Suite 2200  
City/State/Zip: Denver, CO 80202  
Purchaser: \_\_\_\_\_  
Operator Contact Person: Jennifer Barnett  
Phone: (303) 228-4235  
Contractor: Name: Excell Services Inc., Wray, CO  
License: 8273  
Wellsite Geologist: none

Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Re-entry: Old Well Info as follows:  
Operator: n/a

Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back  Plug Back Total Depth  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

<u>8/6/2008</u>	<u>8/10/2008</u>	<u>n/a</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20987-0000  
County: Cheyenne  
SW    NW    NE    SW    Sec. 21 Twp. 4 S. R. 41  East  West  
2,200' feet from (S) N (circle one) Line of Section  
1,370' feet from E (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Douthit Well #: 23-21  
Field Name: Cherry Creek

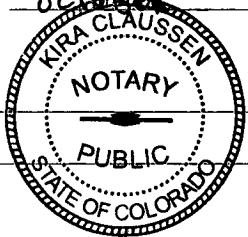
Producing Formation: Niobrara  
Elevation: Ground: 3446' Kelly Bushing: 3455'  
Total Depth: 1505' Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at 121' cmt w/ 49 sx Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from n/a  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan P+A Alt I nr  
(Data must be collected from the Reserve Pit) 12-11-08  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: Jennifer Barnett  
Title: Regulatory Analyst Date: 10/13/08  
Subscribed and sworn to before me this 14 day of OCTOBER  
2008  
Notary Public: Kira Clausen  
Date Commission Expires: 9/20/09



**KCC Office Use ONLY**  
N Letter of Confidentiality Received  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**OCT 15 2008**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Douthit Well #: 23-21  
 Sec. 21 Twp. 4 S. R. 41  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)</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name Niobrara</td> <td style="width:20%;">Top 1282'</td> <td style="width:20%;">Datum</td> </tr> </table>	Name Niobrara	Top 1282'	Datum
Name Niobrara	Top 1282'	Datum		

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.	121'	50/50 POZ	49 sx	3% CaCl, .25% Flo-celc

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 (Amount and Kind of Material Used)	Depth

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.	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 <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval _____
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# BISON OIL WELL CEMENTING, INC.



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

INVOICE # 7721  
 LOCATION C.R. 7 - Rye, KS  
 FOREMAN Eric, Zehren, Jarge

## TREATMENT REPORT

DATE <u>8-6-08</u>	WELL NAME <u>Douthit 23-21</u>	SECTION	TWP	RGE	COUNTY <u>Cherokee</u>	FORMATION
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>70 miles</u>			
TIME ARRIVED ON LOCATION <u>5:00</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>116</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>112</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>17"</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			<input 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	SIP 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 FRP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB MIRAP, safety meeting, est circ. m-p 49 sks cement yield 113 Density 15.2, Displace 3.8 BBL H<sub>2</sub>O, shut in well wash up to pit.

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIRAP-5:00 safety meeting-5:10 est circ-5:13 m-p 49 sks cement 5:15 Displace 3.8 BBL H<sub>2</sub>O-5:20 shut in well wash up to pit-5:27

3 bbls to pit

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 KANSAS CORPORATION COMMISSION

OCT 15 2008

CONSERVATION DIVISION  
 WICHITA, KS

Scott Miller  
 AUTHORIZATION TO PROCEED

Miller  
 TITLE

8-6-08  
 DATE

# BISON OIL WELL CEMENTING INC.



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

VOICE # 7726  
 LOCATION C. Liver Road + c.r. 7 Ks.  
 FOREMAN Eric Toop, Allie

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-11-08	Dearthit 23-21				Cherokee	

CHARGE TO <u>Excell Service</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Excell</u>
CITY	CONTRACTOR <u>Excell Rig 17</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>20 miles</u>
TIME ARRIVED ON LOCATION <u>2:58</u>	TIME LEFT LOCATION

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>NT</u>	<u>2 1/2"</u>	<u>325</u> <u>10 1/2"</u>		
TOTAL DEPTH <u>1505'</u>	FINISH DEPTH <u>600'</u>	SHOTS/FT <u>3.5"</u>	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT <u>520 lb</u>	OPEN HOLE	STRING	
CASING SIZE <u>3 1/2"</u>	TUBING CONDITION	weight <u>13.3</u>	TUBING	

CASING DEPTH		TYPE OF TREATMENT		TREATMENT RATE	
<u>1200'</u>		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
CASING WEIGHT <u>13.3</u>	PACKER DEPTH	<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
CASING CONDITION <u>good</u>		<input type="checkbox"/> SOOZE CEMENT	FINAL BPM		

PRESSURE SUMMARY				OTHER	
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	HYD HHP = RATE X PRESSURE X 40LB		
MINIMUM (psi)		<input checked="" type="checkbox"/> OTHER Plug + Abandon			

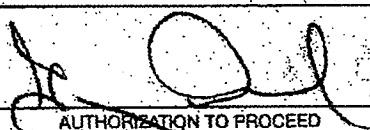
INSTRUCTIONS PRIOR TO JOB m+p, safety meeting, Est. circ, m+p 80 sks cmt yield 11.3 Density  
15.2, Displace 41.5 BBLs H<sub>2</sub>O, shut in rig down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS m+p (3:15) safety meeting (4:10) Est. circ (4:14)  
1<sup>st</sup> m+p 35 sks cmt (4:16) Displace 20 BBLs H<sub>2</sub>O (4:30)  
2<sup>nd</sup> m+p 35 sks cmt (4:31) Displace 20 BBLs H<sub>2</sub>O (5:00)  
3<sup>rd</sup> m+p 10 sks cmt (5:17) Displace 1.5 BBLs H<sub>2</sub>O (5:40)

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OCT 15 2008

CONSERVATION DIVISION  
 WICHITA, KS

  
 AUTHORIZATION TO PROCEED

TITLE

8-11-08

DATE

Customers hereby acknowledge and specifically agree 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.