

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33190  
Name: Noble Energy, Inc.  
Address: 1625 Broadway, Suite 2200  
City/State/Zip: Denver, CO 80202  
Purchaser: Southern Star  
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>11/16/2008</u>                 | <u>11/17/2008</u> | <u>12/3/2008</u>                        |
| Spud Date or<br>Recompletion Date | Date Reached TD   | Completion Date or<br>Recompletion Date |

API No. 15 - 023-21170-00-00  
County: Cheyenne  
N2 S2 - SE - SE Sec. 13 Twp. 2 S. R. 39  East  West  
630' feet from (S) N (circle one) Line of Section  
660' feet from (E) W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE (SE) NW SW  
Lease Name: Keller Farms Well #: 44-13  
Field Name: Cherry Creek Niobrara Gas Area  
Producing Formation: Niobrara  
Elevation: Ground: 3324' Kelly Bushing: 3333'  
Total Depth: 1477' Plug Back Total Depth: 1431'  
Amount of Surface Pipe Set and Cemented at 190', cmt w/ 65 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

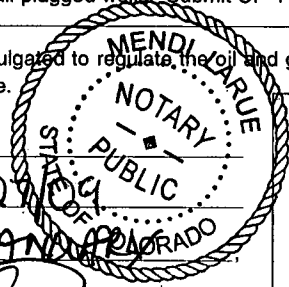
**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License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

Alt - Dig - 3121609

**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: 1/29/09  
Subscribed and sworn to before me this 27 day of JANUARY  
09  
Notary Public: Mendi  
Date Commission Expires: My Commission Expires 09/11/2010



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**JAN 28 2009**

Operator Name: Noble Energy, Inc. Lease Name: Keller Farms Well #: 44-13  
 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<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Submit Copy)</i><br><br>List All E. Logs Run:<br><br><b>Triple Combo (DEN/NEU/IND), CBL/CCL/GR</b> | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name <u>Niobrara</u> Top <u>1246'</u> 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.     | 190'          | 50/50 POZ      | 65 sx        | 3% CaCl, .25% Flo-cel          |
| Production  | 6 1/4"            | 4 1/2"                    | 11.6 Lbs./Ft.   | 1471'         | Lead Type III  | 30 sx        | 12% Gel, 2% CaCl, .25% Polyfak |
|   |                   |                           |                 |               | 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<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone |                  |                |             |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br>(Amount and Kind of Material Used)                                    | Depth |
|----------------|---|--|-------|
| 3 SPF          | Perf Niobrara interval from 1246'-1286'   | Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of  |       |
|                | (40', 3spf, 120 holes) .41" EHD, 120 degree phase   | 25% CO2 foamed gel pad; 31,818 gals 25% CO2 foamed gel carrying 100,040 lbs 16/30 sand. ATP- 560 psi; ATR- 13.4 bpm. |       |

|               |      |        |           |   |
|---------------|------|--------|-----------|---|
| TUBING RECORD | Size | Set At | Packer At | Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
|---------------|------|--------|-----------|---|

|  |  |
|--|--|
| Date of First, Resumerd Production, SWD or Enhr.<br><b>1/19/2009</b> | Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |
|--|--|

|                                   |           |         |             |               |         |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|                                   | 0         | 70      | 0           | 0             |         |

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: 303-298-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwestoffice.net

INVOICE # 8097  
 LOCATION NE  
 FOREMAN Allen L Bowen  
Justin  
Ben

## TREATMENT REPORT

| DATE  | WELL NAME          | SECTION | TWP | RGE                         | COUNTY   | FORMATION |
|---|--------------------|---------|-----|-----------------------------|----------|-----------|
| 11-16-08                                      | Keller Farms 44-13 | 13      | 25  | 39W                         | Cherokee |           |
| CHARGE TO <u>M Pherson</u>                    |                    |         |     | OWNER                       |          |           |
| MAILING ADDRESS                               |                    |         |     | OPERATOR <u>Scott</u>       |          |           |
| CITY  |                    |         |     | CONTRACTOR <u>M Pherson</u> |          |           |
| STATE ZIP CODE                                |                    |         |     | DISTANCE TO LOCATION        |          |           |
| TIME ARRIVED ON LOCATION <u>12:20 R 10:00</u> |                    |         |     | TIME LEFT LOCATION          |          |           |

| WELL DATA                    |                  |               | PRESSURE LIMITATIONS                       |                                  |                |
|------------------------------|------------------|---------------|--|----------------------------------|----------------|
| HOLE SIZE                    | TUBING SIZE      | PERFORATIONS  |  | THEORETICAL                      | INSTRUCTED     |
| <u>9 7/8</u>                 |                  |               |  |                                  |                |
| TOTAL DEPTH <u>195</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>181</u>      |                  | TREATMENT VIA | TYPE OF TREATMENT                          |                                  | TREATMENT RATE |
| CASING WEIGHT <u>17</u>      | PACKER DEPTH     |               | <input type="checkbox"/> SURFACE PIPE      | BREAKDOWN BPM                    |                |
| CASING CONDITION <u>Good</u> |                  |               | <input type="checkbox"/> PRODUCTION CASING | INITIAL BPM                      |                |
|                              |                  |               | <input type="checkbox"/> SQUEEZE CEMENT    | FINAL BPM                        |                |
|                              |                  |               | <input type="checkbox"/> ACID BREAKDOWN    | MINIMUM BPM                      |                |
|                              |                  |               | <input type="checkbox"/> ACID STIMULATION  | MAXIMUM BPM                      |                |
|                              |                  |               | <input type="checkbox"/> ACID SPOTTING     | AVERAGE BPM                      |                |
|                              |                  |               | <input type="checkbox"/> MISC PUMP         |                                  |                |
|                              |                  |               | <input type="checkbox"/> OTHER             | HYD MHP = RATE X PRESSURE X 40.8 |                |

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

INSTRUCTIONS PRIOR TO JOB  
m-p 1.5 sks 50/50 Poz 3/4 BCCA .25% BCFA 7.3 mix H2O  
Displace 6.4 BBLs H2O shut in well wash up to pit  
Rig Down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS  
m TRW 12:00 safe meeting 12:30  
 cement + 12:50 Displace 12:55  
BBLs to Pit 3  
shut in well 12:58

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 JAN 28 2009  
 CONSERVATION DIVISION  
 WICHITA, KS

[Signature] AUTHORIZATION TO PROCEED  
[Signature] TITLE  
11-16-08 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: 303-298-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwestoffice.net

INVOICE # 8099  
 LOCATION NE  
 FOREMAN Alton Bowen  
MATT  
Shawn

## TREATMENT REPORT

| DATE     | WELL NAME          | SECTION | TWP | RGE | COUNTY   | FORMATION |
|----------|--------------------|---------|-----|-----|----------|-----------|
| 11-17-08 | Keller Farms 44-13 | 13      | 25  | 39W | Cherokee |           |

|                          |                                 |
|--------------------------|---------------------------------|
| CHARGE TO <u>EXCELL</u>  | OWNER                           |
| MAILING ADDRESS          | OPERATOR <u>Greg</u>            |
| CITY                     | CONTRACTOR <u>EXCELL Rig 17</u> |
| STATE ZIP CODE           | DISTANCE TO LOCATION            |
| TIME ARRIVED ON LOCATION | TIME LEFT LOCATION              |

| WELL DATA                    |                  |               | PRESSURE LIMITATIONS                                  |                                  |
|------------------------------|------------------|---------------|---|----------------------------------|
| HOLE SIZE <u>6 1/4</u>       | TUBING SIZE      | PERFORATIONS  | THEORETICAL   | INSTRUCTED                       |
| TOTAL DEPTH                  | TUBING DEPTH     | SHOTS/FT      | SURFACE PIPE ANNULUS LONG                             |                                  |
|                              | TUBING WEIGHT    | OPEN HOLE     | STRING  |                                  |
| CASING SIZE <u>4 1/2</u>     | TUBING CONDITION |               | TUBING  |                                  |
| CASING DEPTH                 |                  | TREATMENT VIA | TYPE OF TREATMENT                                     |                                  |
| CASING WEIGHT                | PACKER DEPTH     |               | <input type="checkbox"/> SURFACE PIPE                 | BREAKDOWN BPM                    |
| CASING CONDITION <u>Good</u> | <u>PBXID</u>     |               | <input checked="" type="checkbox"/> PRODUCTION CASING | INITIAL BPM                      |
|                              |                  |               | <input type="checkbox"/> SOOZE CEMENT                 | FINAL BPM                        |
|                              |                  |               | <input type="checkbox"/> ACID BREAKDOWN               | MINIMUM BPM                      |
|                              |                  |               | <input type="checkbox"/> ACID STIMULATION             | MAXIMUM BPM                      |
|                              |                  |               | <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       | psf | ISIP       | psi |
| ANNULUS                  | psi | 5 MIN SIP  | psi |
| MAXIMUM                  | psi | 15 MIN SIP | psi |
| MINIMUM                  | psi |            |     |

INSTRUCTIONS PRIOR TO JOB MIRU safety meeting EST-CIRL mud flush 30B  
m-p 30 sks 50/50 Poz 12% BBG 3% BCCA 25% BLFA 1W mix H2O  
m-p 56 sks 50/50 Poz 2% BBG 1% BCF-80 25% BLFA 12.8 mix H2O  
Drop Plug Displace 222 BBLS H2O set Plug 1400 to 1500 PSI  
check Latch + Float wash up to Pit Rig Down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS mIRU 2:15 safety meeting 2:35 mud flush 30 BBLS  
Lead cement 2:45 tall cement 2:51 Drop Plug 3:00  
Displace 3:03 time away PSI  
3:07 10 300  
3:11 20 500  
3:15 set Plug 1450

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 KANSAS CORPORATION COMMISSION  
 JAN 28 2009  
 CONSERVATION DIVISION  
 WICHITA, KS

*[Signature]*  
 AUTHORIZATION TO PROCEED

TITLE

DATE

11-17-08

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