

*Handwritten signature/initials*

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: \_\_\_\_\_  
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. \_\_\_\_\_

9/19/2008	9/20/2008	12/1/2008
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-21051-00-00  
County: Cheyenne  
NE    NW    SW    NW    Sec. 17 Twp. 2 S. R. 38  East  West  
1,540' feet from S (N) (circle one) Line of Section  
350' 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 #: 12-17  
Field Name: Cherry Creek Niobrara Gas Area

Producing Formation: Niobrara  
Elevation: Ground: 3419' Kelly Bushing: 3425'  
Total Depth: 1526' Plug Back Total Depth: 1467'  
Amount of Surface Pipe Set and Cemented at 292', cmt w/ 132 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 AH I NCR 3-30-09  
(Data must be collected from the Reserve Pit)

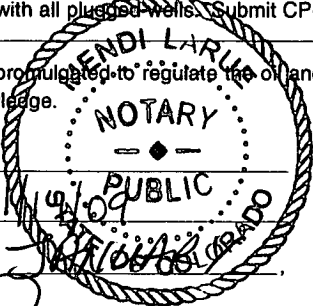
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: 9/11/09  
Subscribed and sworn to before me this 14<sup>th</sup> day of SEPTEMBER, 2009.  
Notary Public: Mendi Larum My Commission Expires 09/11/2010  
Date Commission Expires: 9/11/10



**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 15 2009**

Operator Name: Noble Energy, Inc. Lease Name: Keller Farms Well #: 12-17  
 Sec. 17 Twp. 2 S. R. 38  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 Top Datum Niobrara 1325'
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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.	292'	50/50 POZ	132 sx	3% CaCl, .25% Flo-celc
Production	6-1/4"	4-1/2"	10.5 Lbs/Ft.	1511'	Lead Type III	32 sx	12% gel, 2% CaCl, .25% Polyflake
					Tail Type III	56 sx	2% gel, 1% CFL-80

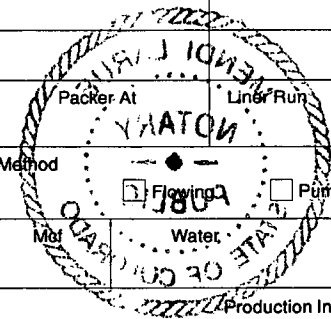
ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3 SPF	Perf Niobrara interval from 1325'-1363'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(38', 3spf, 114 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,895 gals 25% CO2 foamed	
		gel carrying 100,140 lbs 16/30 sand. ATP-565 psi; ATR-10.9 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. <b>Waiting on hookup</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	Water	Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented    Sold    Used on Lease    Open Hole    Perf.    Dually Comp.    Commingled  
*(If vented, Submit ACO-18.)*    Other (Specify)



# BISON OIL WELL CEMENTING, INC.



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

VOICE # 7909  
 LOCATION C.R. 24 + Y KS  
 FOREMAN Eric, Tony, Tom

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-19-08	Keller Farms 12-17	17	25	38 <sup>W</sup>	Cherokee	
CHARGE TO <u>Excell Services</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>mark</u>			
CITY			CONTRACTOR <u>R.P. 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>60 miles</u>			
TIME ARRIVED ON LOCATION <u>2:50</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS			
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
<u>9 7/8</u>						
TOTAL DEPTH <u>297</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG			
<u>Set @ 291</u>	TUBING WEIGHT	OPEN HOLE	STRING			
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING			
CASING DEPTH <u>285</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"/> SOBEZE CEMENT		FINAL BPM	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN		MAXIMUM BPM	
FINAL DISPLACEMENT psi	NSIP 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 HP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB MR RP safety meeting, Est. circ. m<sup>3</sup>P 122.5 lbs cement (15 bbls + water)  
yield 1.13 Density 15.2, Displace 11 bbls H<sub>2</sub>O, Shut in well wash up to pit

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MR RP (2:50) - safety meeting (4:00) Est. circ (4:07) m<sup>3</sup>P 122.5 lbs  
cm<sup>3</sup> (4:09) Displace 11 bbls H<sub>2</sub>O (4:28) Shut in well wash up to pit (4:31)

RECEIVED  
 KANSAS CORPORATION COMMISSION

JAN 15 2009

CONSERVATION DIVISION  
 WICHITA, KS

[Signature]  
 AUTHORIZATION TO PROCEED

[Signature]  
 TITLE

9-19-08  
 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.



1700 W. Hampden St., Ste. 100  
 Denver, Colorado 80202  
 Phone: 303-298-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwest.net

7027  
 LOCATION WK 04  
 FOREMAN PAT JUSTIN MOFF

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-20-08	Keller Farms 12-17	17	2S	36W	Cherokee	

CHARGE TO <u>EXCEL SERVICES</u>	OWNER <u>NOBLE</u>
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>EXCEL 2</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>60 miles</u>
TIME ARRIVED ON LOCATION <u>6:00</u>	TIME LEFT LOCATION <u>9:15</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 1/2</u>				
TOTAL DEPTH <u>1526</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG.	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>4 1/2</u>	TUBING CONDITION	TREATMENT VIA	TUBING	

PRESSURE SUMMARY		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
FINAL DISPLACEMENT psi	ISIP psi	<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM
ANNULUS psi	5 MIN SIP psi	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
MINIMUM psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
		<input type="checkbox"/> MISC PUMP	
		<input type="checkbox"/> OTHER	HVD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB MIRU SAFT meeting ESTORE WITH 10 BBS/WIT  
MDP 3.25Ks LEAD CNT 12.0 DENSITY 2.64 YIELD 12 BBS/WIT  
MDP 5.65Ks 1 1/4 CNT 13.8 DENSITY 1.83 YIELD 13 BBS/WIT  
DRUP PLUG DISPLAC 23.8 BBS @ 1200 BUMP PLUG 1200 TO 1500 PSL  
RELEASE PRESSURE WASH W/HP.T.A. & DRUP

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIRU 6:00 SAFT 7:45 MFF 8:00  
CEM 8:10 DRP 8:14 DIS 8:15 10AVUM 8:17 PSL 200  
20AVUM 8:21 PSL 500 23.8 AVUM 8:24 PSL 1500  
13 BBS TOP IT 4

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 KANSAS CORPORATION COMMISSION  
 JAN 15 2009  
 CONSERVATION DIVISION  
 WICHITA, KS

Pat Moff  
 AUTHORIZATION TO PROCEED TITLE 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.