

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

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/Big Timber  
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>12/5/2008</u>	<u>12/19/2008</u>	<u>1/20/2009</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-21197-00-00  
County: Cheyenne  
NE SW SE NE Sec. 18 Twp. 2 S. R. 38  East  West  
2,200' feet from S / (N) (circle one) Line of Section  
850' 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 #: 42-18  
Field Name: Cherry Creek Niobrara Gas Area

Producing Formation: Niobrara  
Elevation: Ground: 3389' Kelly Bushing: 3398'  
Total Depth: 1521' Plug Back Total Depth: 1457'  
Amount of Surface Pipe Set and Cemented at 276' cmt w/ 102 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 A1+ I ncr 3-4-09  
(Data must be collected from the Reserve Pit)

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

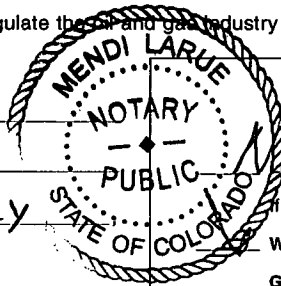
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**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: 2/3/09

Subscribed and sworn to before me this 3rd day of FEBRUARY  
20 09  
Notary Public: Mendi Larue  
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  
FEB 04 2009  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Keller Farms Well #: 42-18  
 Sec. 18 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 (Attach Additional Sheets)  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" 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 (Submit Copy)  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>1310'</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"	20 Lbs./Ft.	276'	50/50 POZ	102 sx	3% CaCl, .25% Flo-celc
Production	6 1/4"	4 1/2"	11.6 Lbs./Ft.	1498'	Lead Type III	31 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 1310'-1346'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(36', 3 spf, 108 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,862 gals 25% CO2 foamed	
		gel carrying 100,040 lbs 16/30 sand. ATP- 533 psi; ATR- 14.6 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>2/2/2009</b>	Producing Method <input checked="" 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. <b>0</b>	Gas Mcf <b>51</b>	Water Bbls. <b>0</b>	Gas-Oil Ratio <b>0</b>	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: 303-298-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwestoffice.net

INVOICE # 8140  
 LOCATION Keller Farms 42-18  
 FOREMAN Qase, W.T., Ruben

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12/19/08	Keller Farms 42-18	18	25	38W	Cheyenne	

CHARGE TO <u>Excell Services</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Excell Rig #17</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>90 miles</u>
TIME ARRIVED ON LOCATION <u>9:00</u>	TIME LEFT LOCATION <u>1:00 A.M.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>6 1/2</u>					
TOTAL DEPTH <u>1521</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>P/B 1458</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1489</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>11.0</u>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>			<input checked="" 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 HHP = 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 MIRU, SAFELY Est. CIRCU, PUMP 30 BBL Mud Flush, H/P 31 SKS Lead yield 2.62 Density 13, H/P 56 SKS Tail yield 1.83 Density 13.8, Drop Plug, Displace 22.10 BALS KCL water, set Plug between 1300E 1500 PSI wash up to pit

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS (11:00) MIRU, (11:25) SAFELY, (11:55) Est. CIRCU, PUMP 30 BBLs Mud Flush, (12:00) H/P 31 SKS lead 56 SKS Tail, (12:10) Drop plug, Displace 22.10 BBLs KCL water, (12:15) 10 away 200 PSI, (12:20) 20 away 400 PSI, (12:20) set plug @ 1500 PSI

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 KANSAS CORPORATION COMMISSION

FEB 04 2009

CONSERVATION DIVISION  
 WICHITA, KS

[Signature] AUTHORIZATION TO PROCEED  
 TITLE \_\_\_\_\_ DATE 12/19/08

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.

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-298-8143  
 E-mail: blsonoll1@qwest.net

INVOICE # 8175

LOCATION KS

FOREMAN STANLEY R. STIMPSON  
TOM  
DAVE

## TREATMENT REPORT

DATE <u>12-5-08</u>	WELL NAME <u>KELLEY FARMS 42-18</u>	SECTION <u>18</u>	TWP <u>25</u>	RGE <u>38W</u>	COUNTY <u>CHEYENNE</u>	FORMATION
CHARGE TO <u>MEPHERSON</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>SCOTT</u>			
CITY			CONTRACTOR <u>MEPHERSON</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>3:30P</u>			TIME LEFT LOCATION <u>4:30</u>			

WELL DATA			PRESSURE LIMITATIONS			
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
TOTAL DEPTH <u>272</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG			
	TUBING WEIGHT	OPEN HOLE	STRING			
CASING SIZE <u>14</u>	TUBING CONDITION		TUBING			
CASING DEPTH <u>267</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>70</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	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 HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB MTRW SAFETY MEETING EST-CIRC  
m-p 102 SKS 50/100 PZ 3% BUA-1 25% BUA-1 - 11.5 BB/S MIX H2O  
Displace 10 BB/S H2O shut in well wash up P.O.P.T  
Big down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MTRW-3:35 SAFE-4:45  
CEMENT - 4:02 Displace - 4:10  
BB/S P.O.P.T - 6  
shut in well - 4:15

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 KANSAS CORPORATION COMMISSION

FEB 04 2009

CONSERVATION DIVISION  
 WICHITA, KS

[Signature] AUTHORIZATION TO PROCEED      Driller TITLE      12-5-08 DATE

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