

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: Kinder Morgan  
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: \_\_\_\_\_  
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. \_\_\_\_\_

3/03/2008 3/07/2008 4/09/2008  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 023-20951-0000  
County: Cheyenne  
NW NE Sec. 6 Twp. 4 S. R. 41  East  West  
230' feet from S / (N) (circle one) Line of Section  
1440' feet from (E) / W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) (NE) SE NW SW  
Lease Name: Raile Well #: 31-6  
Field Name: Cherry Creek

Producing Formation: Niobrara  
Elevation: Ground: 3623' Kelly Bushing: 3632'  
Total Depth: 1708' Plug Back Total Depth: 1651'  
Amount of Surface Pipe Set and Cemented at 277' cmt w/96 sx Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Alt - Dig - 9/04/08  
**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.: \_\_\_\_\_

**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: Permit Representative Date: 6/2/08  
Subscribed and sworn to before me this 2nd day of June  
20 08.  
Notary Public: Erin K Lindley Joseph  
Date Commission Expires: My Commission Expires Aug. 20, 2008

**KCC Office Use ONLY**  
Notary Public Seal: ERIN K. LINDLEY JOSEPH, NOTARY PUBLIC, STATE OF KANSAS  
Letter of Confidentiality Received   
Wireline Log Received   
Geologist Report Received   
Cementing Ticket Distribution   
RECEIVED JUN 04 2008  
KANSAS CORPORATION COMMISSION  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Raile Well #: 31-6  
 Sec. 6 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 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 <i>(Submit Copy)</i>  List All E. Logs Run:  <b>Triple Combo (Array Induction/Comp. Nuetron/                  Litho Density), CBL/GR/CCL</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name <u>Niobrara</u> Top <u>1484'</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.	277'	50/50 POZ	96 sx	3% CaCl. .25% Flo-cele
Production	6 1/4"	4 1/2"	10.5 Lbs./Ft.	1693'	Lead, Type III	41 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
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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 1484'-1522'	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; 31,972 gals 25% CO2 foamed	
		gel carrying 100,000 lbs 60/30 sand. ATP-526 psi; ATR-13.6 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>4/21/2008</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 Bbbs. <b>0</b>	Gas Mcf <b>122</b>	Water Bbbs. <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: 303-296-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil@gwest.net

INVOICE # 7562

LOCATION CR6

FOREMAN PCT  
CRAN ACIL

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
<u>3-3-08</u>	<u>RALE 316</u>				<u>CLAYTON</u>	

CHARGE TO <u>EXCON SERVICES</u>	OWNER <u>NOBLE</u>
MAILING ADDRESS:	OPERATOR
CITY	CONTRACTOR <u>MC PHERSON DRILLING</u>
STATE/ZIP CODE	DISTANCE TO LOCATION <u>70 MILES</u>
TIME ARRIVED ON LOCATION <u>1:30</u>	TIME LEFT LOCATION <u>2:45</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>9 5/8</u>				
TOTAL DEPTH <u>272</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>268'</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>174</u>	PACKER DEPTH	<input checked="" 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 HHP = RATE X PRESSURE X 40.8	

PRESSURE SUMMARY			
BREAKDOWN OF CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MIN SUR.	psi
MAXIMUM	psi	15 MIN SUR.	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB MIX 1.30 SALT 1.155 CONC 1.58 DISPLACE 2:09  
CEMENT IS 2 DENSITY 1.1374 LB/DISPLACE 10 BBL 5000  
SLOT IN WELL WASH UP TO PIT 2:15 DOWN

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIX 1:30 SALT 1:15 CONC 1.58 DISPLACE 2:09  
SLOT IN WELL 2:15 BBL 5000 PIT 5'

RECEIVED  
 KANSAS CORPORATION COMMISSION

JUN 04 2008

CONSERVATION DIVISION  
 WICHITA, KS

[Signature]  
 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: bisonoil@gwest.net

INVOICE # 7567  
 LOCATION CR6  
 FOREMAN Pat Eric Alice

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TYP	RGE	COUNTY	FORMATION
5-7-08	2241L-31-6				Cheyenne	

CHARGE TO EXCEL SERVICES	OWNER NORLE
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR EXCEL 17
STATE ZIP CODE	DISTANCE TO LOCATION 70 miles
TIME ARRIVED ON LOCATION 8:07 REQUESTED 8:30	TIME LEFT LOCATION 11:30

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 6 1/2	TUBING SIZE 4 1/2	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 1708	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 4 1/2	TUBING CONDITION		TUBING		
CASING DEPTH 1684		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 1015	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION Good			<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input checked="" 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 180 = RATE X PRESSURE X 40.8	

PRESSURE SUMMARY			TREATMENT RATE		
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: INTER, SAFETY MEETING, ESTABLISH WITH 30 PPS W/IF  
 MDP 4.1 SPS LEAD CEMENT 12.0 DENSITY 2.6 UNCLD, MDP 5.6 SPS 5.16 CEMENT  
 13.8 DENSITY 1.93 YIELD DROP P/LG, DISPLACE 26.2 PPS 1.20  
 WITH KLL Bump P/LG 1200 TO 1500 PSI, RELEASE PRESSURE  
 Wash w/ P/T R/S DOWN

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS: MDP 9:30 SAFETY 9:50 W/IF 9:55 CEM 10:04  
 DROP P/LG 10:18 DISPLACE 10:27 TO AHEAD 10:31 PSI 200  
 20 AHEAD 10:36 PSI 400 26.2 AHEAD 10:45 PSI 1400  
 BBS TO P/T S

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 JUN 04 2008  
 CONSERVATION DIVISION  
 WICHITA, KS

*[Signature]*  
 AUTHORIZATION TO PROCEED

TITLE DATE

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