

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33190  
Name: Noble Energy, Inc.  
Address: 1625 Broadway, Suite 2000  
City/State/Zip: Denver, CO 80202  
Purchaser: Bittercreek Pipeline  
Operator Contact Person: Joe Mazotti  
Phone: (303) 228-4223  
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. \_\_\_\_\_

3/14/2007	3/20/2007	5/16/2007
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20753-60-00  
County: Cheyenne

NW NE Sec. 15 Twp. 3 S. R. 42  East  West  
660' feet from S  (circle one) Line of Section  
1980' feet from  E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Rueb Farm Well #: 31-15  
Field Name: Cherry Creek

Producing Formation: Niobrara  
Elevation: Ground: 3716' Kelly Bushing: 3722'  
Total Depth: 1780' Plug Back Total Depth: 1709'

Amount of Surface Pipe Set and Cemented at 302', cmt w/ 128 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 NH 7-21-08  
(Data must be collected from the Reserve Pit)

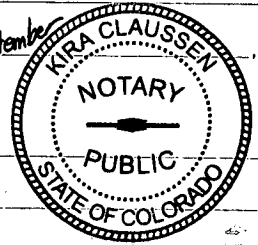
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_

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: \_\_\_\_\_  
Title: Regulatory Analyst Date: 9/24/2007  
Subscribed and sworn to before me this 24 day of September, 2007.  
Notary Public: Kira Clausen  
Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
RECEIVED  
KANSAS CORPORATION COMMISSION  
SEP 26 2007  
CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Rueb Farm Well #: 31-15  
 Sec. 15 Twp. 3 S. R. 42  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 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:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name <u>Niobrara</u> Top <u>1544'</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.	302'	50/50 POZ	128	2% CaCl <sub>2</sub> , .25% Flo-cel
Production	6 1/4"	4 1/2"	9.5 Lbs./Ft.	1770'	Lead	55	Type III, 12%gel, 2%CaCl <sub>2</sub> , .25 Flo-cel
					Tail	75	50/50 POZ, 2%gel, 2%CaCl <sub>2</sub> , .25% flo-co

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 1544' to 1580' (36', 3spf, 108 holes). .41"EHD, 120 degree phase.	Niobrara frac'd with 500 gals 7.5% HCL acid, 10,688 gals of 10% CO2 foamed gel pad; 24,477 gals 10% CO2 foamed gel carrying 100,520 lbs 20/40 sand. AIP-441psi; AIR-21 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>6/15/2007</b>	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
	0	67	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.

P.O. Box 2223 • Gillette, WY 82717-2223  
 Phone: 307-682-9044  
 Fax: 307-682-9056  
 E-mail: bisonoil@vcn.com



5737

LOCATION CHEYENNE KS  
 FOREMAN STANLEY R. STAMPER  
CLAWSON

## TREATMENT REPORT

RUEB FARM

DATE <u>3-14-07</u>	CUSTOMER ACCT #	WELL NAME <u>31-15</u>	QTR/QTR	SECTION	TWP	RGE	COUNTY <u>CHEYENNE</u>	FORMATION
CHARGE TO <u>EXCELL</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR <u>EXCELL</u>				
STATE				DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>9:30</u>				TIME LEFT LOCATION <u>12:20</u>				

WELL DATA	
HOLE SIZE <u>4 1/2</u>	
TOTAL DEPTH <u>304</u>	
CASING SIZE <u>7</u>	
CASING DEPTH <u>303</u>	
CASING WEIGHT <u>70#</u>	
CASING CONDITION <u>good</u>	
TUBING SIZE	
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input checked="" type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB MIRU SAFETY meeting EST-Circ  
m-p 128 SKS BL. YEFF Yield 1.133 DENSITY 15.2#  
Displace 11 BBIS H2O Shut in well wash up POPIT Rig down

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS MIRU (11:00) SAFETY (11:28)  
m-p 128 SKS cement (11:35) Displace 11 BBIS H2O (11:50)  
BBIS TO POPIT (6)  
Shut in well (11:54)

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

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE X PRESSURE X 40.8	

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 SEP 26 2007

AUTHORIZATION TO PROCEED Stewart L. Percklin TITLE toolpusher DATE 3-14-07

# BISON OIL WELL CEMENTING, INC.

P.O. Box 2223 • Gillette, WY 82717-2223  
 Phone: 307-682-9044  
 Fax: 307-682-9056  
 E-mail: bisonoil@vcn.com



5813

## TREATMENT REPORT

LOCATION CO RD 2  
 FOREMAN Tom Colleges  
STAN  
Elden  
Damtr

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
3-21-07		Rush Farm 31-15					Wyoming	
CHARGE TO				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE				DISTANCE TO LOCATION				
ZIP CODE								
TIME ARRIVED ON LOCATION				TIME LEFT LOCATION				
5:30				8:00				

WELL DATA	
HOLE SIZE	6 1/4
TOTAL DEPTH	1780
CASING SIZE	4 1/2
CASING DEPTH	1769
CASING WEIGHT	11.4
CASING CONDITION	Good
TUBING SIZE	PBTD 1727
TUBING DEPTH	
TUBING WEIGHT	
TUBING CONDITION	
PACKER DEPTH	
PERFORATIONS	
SHOTS/FT	
OPEN HOLE	
TREATMENT VIA	

TYPE OF TREATMENT	
<input type="checkbox"/> SURFACE PIPE	<input type="checkbox"/> ACID BREAKDOWN
<input checked="" type="checkbox"/> PRODUCTION CASING	<input type="checkbox"/> ACID STIMULATION
<input type="checkbox"/> SQUEEZE CEMENT	<input type="checkbox"/> ACID SPOTTING
<input type="checkbox"/> PLUG & ABANDON	<input type="checkbox"/> FRAC
<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> FRAC + NITROGEN
<input type="checkbox"/> MISC PUMP	<input type="checkbox"/> FOAM FRAC
<input type="checkbox"/> OTHER	<input type="checkbox"/> NITROGEN

PRESSURE LIMITATIONS		
	THEORETICAL	INSTRUCTED
SURFACE PIPE		
ANNULUS LONG STRING		
TUBING		

INSTRUCTIONS PRIOR TO JOB MIRU Safety meeting M/F 2000M+P cement 55 SKS  
ENGEL #12 ~~2000~~ lead + 75 SKS 50/50 per tail drop plug + Displace  
26.8 BBLs H<sub>2</sub>O set plug @ 1200-1500 psi wash up to pit rig down

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS MIRU - 545 SAFETY 415  
M/F 6:20  
MJP 6:35  
D/P 6:55  
Diss 7:00      10-7:10 (150 psi)      20-7:14 (300 psi)      set plug - 7:30 @ 1500 psi

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

AUTHORIZATION TO PROCEED

TITLE \_\_\_\_\_ DATE 3-21-07

TREATMENT RATE	
BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE X PRESSURE X 40.8	

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