

**KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

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 SLOW 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>4/2/2007</u>	<u>4/5/2007</u>	<u>8/27/2007</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023 - 20798 - 00-00
County: Cheyenne
NE NE Sec. 31 Twp. 3 S. R. 41 East West
661 feet from S N (circle one) Line of Section
662 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 #: 41 - 31
Field Name: Cherry Creek
Producing Formation: Niobrara
Elevation: Ground: 3661' Kelly Bushing: 3667'
Total Depth: 1650' Plug Back Total Depth: 1589'
Amount of Surface Pipe Set and Cemented at 302' cmt w/ 121 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.

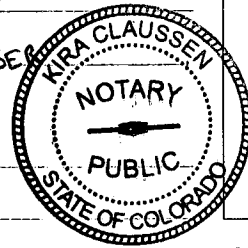
Drilling Fluid Management Plan A1 I NCR 1-12-09
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite: _____
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ 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: _____
Title: Regulatory Analyst Date: 9/27/2007

Subscribed and sworn to before me this 1 day of OCTOBER
20 07
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
OCT 02 2007
CONSERVATION DIVISION
WICHITA KS

My Commission Expires Sept. 20, 2009

Operator Name: **Noble Energy, Inc.** Lease Name: **Raile** Well #: **41 - 31**
 Sec. **31** Twp. **3** S. R. **41** [] East [x] 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 Yes No
 (Attach Additional Sheets)

Samples Sent to Geological Survey Yes No

Cores Taken Yes No

Electric Log Run Yes No
 (Submit Copy)

List All E. Logs Run:

[x] Log Formation (Top), Depth and Datum [] Sample

Name **Niobrara** Top **1454'** Datum

CASING RECORD New 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	121	2% CaCl, .25% Flo-cele
Production	6 1/4"	4 1/2"	9.5 Lbs./Ft.	1645'	Lead, Type III	50	12% gel, 2% CaCl, .25% flo-cele
					Tail, 50/50 POZ	75	3% CaCl, .25 flo-cele

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				

PERFORATION RECORD - Bridge Plugs Set/Type
 Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record
 (Amount and Kind of Material Used)

Shots Per Foot	Perforation Record	Acid, Fracture, Shot, Cement Squeeze Record	Depth
3 spf	Perf. Niobrara interval from 1454' to 1496' (42', 3spf, 126 holes). .41"EHD.	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of 25% CO2 foamed gel pad; 30,986 gals 25% CO2 foamed gel carrying 100,020 lbs 16/30 sand. AIP-800psi; AIR-21 bpm.	

TUBING RECORD Size Set At Packer At Liner Run Yes No

Date of First, Resumerd Production, SWD or Enhr. **9/7/2007** Producing Method Flowing Pumping Gas Lift Other (Explain)

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

Disposition of Gas **METHOD OF COMPLETION** Production Interval

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

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



5874

LOCATION Cheyenne

FOREMAN Randy

TREATMENT REPORT

DATE 4-6-07	CUSTOMER ACCT #	WELL NAME Raile 41-31	QTR/QTR	SECTION	TWP	RGE	COUNTY Cheyenne	FORMATION
CHARGE TO Excell Services				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR Excell Rig 17				
STATE				DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 12:15				TIME LEFT LOCATION 6:00				
12:30 WELL DATA								

HOLE SIZE	6 1/4
TOTAL DEPTH	1650
CASING SIZE	4 1/2
CASING DEPTH	1636
CASING WEIGHT	10.5
CASING CONDITION	Good
TUBING SIZE	
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, MIP 20 BBLs mud flush, MIP 50 SKS Lead cement, yield 2.35 Density 12.5# MIP 75 SKS Tail cement, yield 1.13, Density 15.2#, Drop Plug, Displace 25.6 BBLs H₂O set Plug @ 1200 to 1400 PST, Wash up to Pit, Rig down**

JOB SUMMARY

DESCRIPTION OF JOB EVENTS **(3:13) MIRU (4:00) Safety (4:02) MIP 20 BBLs mud flush (4:26) MIP 50 SKS Lead yield 2.35 (4:32) MIP 75 SKS TAIL yield 1.13 (4:49) Drop Plug (4:52) Displace (4:58) 10 (5:00) 20 (4:00) (5:15) SET PLUG (1400 PST)**

BBLs to Pit 2 BBLs

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	

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OCT 02 2007
CONSERVATION DIVISION
WICHITA, KS

AUTHORIZATION TO PROCEED

TITLE _____ DATE **4-6-07**

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



5868

LOCATION Cheyenne
 FOREMAN RANDY

TREATMENT REPORT

DATE 4-2-07	CUSTOMER ACCT #	WELL NAME Raile 41-31	QTR/QTR	SECTION	TWP	RGE	COUNTY Cheyenne	FORMATION
CHARGE TO <u>Excell Services</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE				DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:15pm</u>				TIME LEFT LOCATION <u>4:45pm</u>				

WELL DATA	
HOLE SIZE	<u>9 7/8</u>
TOTAL DEPTH	<u>315</u>
CASING SIZE	<u>7"</u>
CASING DEPTH	<u>302</u>
CASING WEIGHT	<u>17#</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, Est. Circ., MIP 133 SKS cement, yield 1.13, Density 15.2#, Displace 12 BBLs H₂O, Shut in Well, Wash up to pit, Rig down

JOB SUMMARY

DESCRIPTION OF JOB EVENTS MIRU - 3:40 Safety - 3:51
Est Circ - 3:54
15.2# MIP 133 SKS - 356 BBLs to Pit - 0 Topped out 18 SKS
Displace 12 BBLs H₂O - 4:02 Shut in Well - 4:10pm

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	

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 WICHITA, KS

AUTHORIZATION TO PROCEED

Billy S. McPherson

TITLE

DATE

4-2-07