

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

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KANSAS CORPORATION COMMISSION

Form ACO-1
September 1999
Form Must Be Typed

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

SEP 26 2007

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. _____

3/26/2007	3/31/2007	5/17/2007
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20773-00-00 WYOMING, KS
County: Cheyenne

SE NE Sec. 16 Twp. 3 S. R. 42 East West
1980' feet from S N (circle one) Line of Section
660' 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 #: 42-16
Field Name: Cherry Creek

Producing Formation: Niobrara
Elevation: Ground: 3726' Kelly Bushing: 3732'
Total Depth: 1735' Plug Back Total Depth: 1657'
Amount of Surface Pipe Set and Cemented at 301', cmt w/ 103 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 ATI 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.

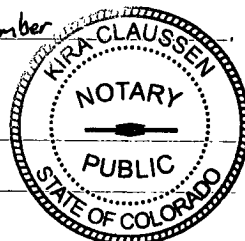
All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: _____
Title: Regulatory Analyst Date: 9/24/2007

Subscribed and sworn to before me this 24 day of September

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

Operator Name: Noble Energy, Inc. Lease Name: Rueb Farm Well #: 42-16
 Sec. 16 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 <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Niobrara</td> <td>1520'</td> <td></td> </tr> </table>	Name	Top	Datum	Niobrara	1520'	
Name	Top	Datum					
Niobrara	1520'						

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 1/4"	7"	17 Lbs./Ft.	301'	50/50 POZ	103	2% CaCl, .25% Flo-celc
Production	6 1/4"	4 1/2"	9.5 Lbs./Ft.	1724'	Lead	53	Type III, 12%gel, 2%CaCl, .25 Flo-celc
					Tail	75	50/50 POZ, 2%Gel, 2%CaCl, .25% flo-celc

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 1520' to 1554' (34', 3spf, 102 holes). .41"EHD, 120 degree phase.	Niobrara frac'd with 500 gals 7.5% HCL acid, 11,172 gals of	
		10% CO2 foamed gel pad; 23,423 gals 10% CO2 foamed	
		gel carrying 10,120 lbs 20/40 sand. AIP-360psi; AIR-22 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. 6/15/2007		Producing Method <input 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 Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	102	0	0	

Disposition of Gas Vented Sold Used on Lease *(If vented, Submit ACO-18.)*

METHOD OF COMPLETION Open Hole Perf. Dually Comp. Commingled

Production Interval 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



5847

LOCATION CRZ
 FOREMAN Pat
Hansen
ELDEN

TREATMENT REPORT

DATE <u>4-1-07</u>	CUSTOMER ACCT #	WELL NAME <u>RUEB #11144 H24</u>	QTR/QTR	SECTION	TWP	RGE	COUNTY <u>Cheyenne</u>	FORMATION
CHARGE TO <u>EXCEL SERVICES</u>				OWNER <u>Noble</u>				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR <u>EXCEL RST</u>				
STATE				DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>7:00 AM</u>				TIME LEFT LOCATION <u>4:30</u>				

WELL DATA	
HOLE SIZE	<u>6 1/2</u>
TOTAL DEPTH	<u>1735</u>
CASING SIZE	<u>4 1/2</u>
CASING DEPTH	<u>1714</u>
CASING WEIGHT	<u>11.6</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 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 17.5 Density 2.15 YIELD m4P 755K5 TAIL CEMENT 15.2 Density 1.17 YIELD DROPPAGE
DISPLACE 26 BBST 1200 10 1500 PSI VAGH UP TO PIT PUG DOWN.

JOB SUMMARY

DESCRIPTION OF JOB EVENTS m4P 2:10 SITTING 2:50 m4P 3:10 CEM 3:15
DIP 3:20 DIS 3:27 1019 LUMP 3:30 PSE 2:00
3:10 LUMP 3:30 PSE 5:00 26 ALGAT 3:40 PSE 15:00
BBST 15:10

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	

AUTHORIZATION TO PROCEED

TITLE

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SEP 26 2007

CONSERVATION DIVISION
 WICHITA, KS

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



5861

LOCATION Cheyenne
 FOREMAN RANDY

TREATMENT REPORT

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
3-26-07		Rueb Farms 42-16					Cheyenne	
CHARGE TO <u>Excell Services</u>				OWNER				
MAILING ADDRESS				OPERATOR				
CITY				CONTRACTOR				
STATE		ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>4:00 pm</u>				TIME LEFT LOCATION				

WELL DATA	
HOLE SIZE	<u>9 1/8</u>
TOTAL DEPTH	<u>315</u>
CASING SIZE	<u>7 1/2</u>
CASING DEPTH	<u>300</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 Meeting, Est Circ, MIP 103SKS B-Lite II, yr. 11/13
15.2# Density, Displace 11.5 BBLs, Washup to pit, Rig Down

JOB SUMMARY

DESCRIPTION OF JOB EVENTS MIRU 4:00 pm Safety 4:26 pm
MIP 103SKS 4:42 pm BBLs to pit 8 BBLs
Displace 11.5 BBL H₂O 4:55 pm Shut in well 5:10 pm

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
 CONSERVATION DIVISION
 WICHITA, KS

AUTHORIZATION TO PROCEED
Betsy S. McPherson

TITLE

DATE
3-26-07