

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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: Bitter Creek Pipeline  
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. \_\_\_\_\_

8/23/2008	8/24/2008	9/9/2008
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-21092-0000  
County: Cheyenne  
SW NW SE Sec. 15 Twp. 3 S. R. 42  East  West  
850' feet from (S) / N (circle one) Line of Section  
2,350' 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 #: 34-15B  
Field Name: Armel

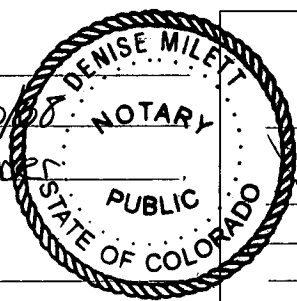
Producing Formation: Niobrara  
Elevation: Ground: 3665' Kelly Bushing: 3674'  
Total Depth: 1660' Plug Back Total Depth: 1595'  
Amount of Surface Pipe Set and Cemented at 304', cmt w/ 105 sx Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from n/a  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan** AH I MR  
(Data must be collected from the Reserve Pit) 12-11-08  
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: 10/20/08  
Subscribed and sworn to before me this 20th day of October  
2008  
Notary Public: Denise Milett  
Date Commission Expires: 11/09/08



**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 22 2008**

Operator Name: Noble Energy, Inc. Lease Name: Rueb Farm Well #: 34-15B  
 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  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:

**Triple Combo (DEN/NEU/IND), CBL/CCL/GR**

Log Formation (Top), Depth and Datum  Sample  
 Name Niobrara Top 1457' Datum

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.	304'	50/50 POZ	105 sx	3% CaCl <sub>2</sub> , .25% Flo-cale
Production	6 1/4"	4 1/2"	11.6 Lbs./Ft.	1637'	Lead Type III	37 sx	12% Gel, 2% CaCl <sub>2</sub> , .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 1446'-1494', 1522'-1524' (50', 3 spf, 150 holes) .41" EHD, 120 degree phase	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,600 gals of 25% CO2 foamed gel pad; 31,958 gals 25% CO2 foamed gel carrying 100,040 lbs 16/30 sand. ATP- 540 psi; ATR- 13.0 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.	Producing Method							
9/26/2008	<input checked="" 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	90	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.



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

INVOICE # 79217  
 LOCATION CRP4CR2  
 FOREMAN Pat  
C. Colaneri  
FRANCO

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-23-08	RUEB FARMS 34-15B	15	3	42	Cheyenne	

CHARGE TO <u>LACCI SERVICES</u>	OWNER <u>NOBLE</u>
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>McPherson</u>
STATE ZIP CODE	DISTANCE TO LOCATION: <u>70</u>
TIME ARRIVED ON LOCATION <u>12:00</u>	TIME LEFT LOCATION <u>1:45</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
<u>9 3/8</u>					
TOTAL DEPTH <u>300</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7 1/2</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>295</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>17</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 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 MIRW, SAFETY meeting, EST. C.M.C.  
M4P 105 BKS CEMENT 15.2 DIS 1170 1.18X1000 12.13 DIS MIX WATER  
DIS 1000 1.1 DIS 1170 5.12 IN WELL 2655 WAPPT  
Rig Down.

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIRW 12:30 SAFETY 12:48 CEM 12:52  
DIS 1:00 5.12 IN WELL 1:03 13.13 STOP AT 5

RECEIVED  
 KANSAS CORPORATION COMMISSION

OCT 22 2008

CONSERVATION DIVISION  
 WICHITA, KS

*[Signature]*

*[Signature]*

*[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: 303-295-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwest.net

INVOICE # 78418

LOCATION CRP + CR2

FOREMAN POT MOUND  
 TONG  
 FRANEJO

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-24-08	RUEBECKS 34-15B	15	3	112	PLATYKANE	

CHARGE TO: EXCEL SERVICES	OWNER: NOBLE
MAILING ADDRESS:	OPERATOR:
CITY:	CONTRACTOR: EXCEL 17
STATE ZIP CODE:	DISTANCE TO LOCATION: 70 miles
TIME ARRIVED ON LOCATION: 9:00	TIME LEFT LOCATION: 12:45

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE: 6 1/2	TUBING SIZE:	PERFORATIONS:	THEORETICAL	INSTRUCTED
TOTAL DEPTH: 1662	TUBING DEPTH:	SHOTS/FT:	SURFACE PIPE ANNULUS LONG	
CASING SIZE: 4 1/2	TUBING WEIGHT:	OPEN HOLE:	STRING:	
CASING DEPTH: 1627	TUBING CONDITION:	TREATMENT VIA:	TUBING:	
CASING WEIGHT: 10.5	PACKER DEPTH:	TYPE OF TREATMENT:	TREATMENT RATE:	
CASING CONDITION: 6000		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM:	
		<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 checked="" type="checkbox"/> OTHER		

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

INSTRUCTIONS PRIOR TO JOB: MTRU SATURDAY ESTIMATED W/ 30 BBS M/F  
 M/F 3 1/2" x 5' 19" CMT 12.0 DENSITY 2.64 YIELD 14 BBS W/ 4 1/2"  
 M/F 5 1/2" x 5' 19" CMT 13.8 DENSITY 1.83 YIELD 13 BBS W/ 4 1/2"  
 DROP PLUG DISPLACED 25 BBS 11:00, BUMP PLUG 1200 TO 1500 PSI  
 Release pressure, wash up to PIT, R/DOWN

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS: MTRU 11:00 SATUR 11:27 M/F 11:33  
 CEM 11:41 O/P 11:48 DIS 11:52  
 10 AUM 11:55 PSI 400 20 AUM 12:58 PSI 600  
 25 AUM 12:00 PSI 1500 DBLS TO PIT-6

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 OCT 22 2008  
 CONSERVATION DIVISION  
 WICHITA, KS

\_\_\_\_\_  
 AUTHORIZATION TO PROCEED TITLE DATE

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