

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 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>8/24/2008</u>	<u>8/25/2008</u>	<u>9/9/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-21091-0000
County: Cheyenne
W2 NE NE NW Sec. 16 Twp. 3 S. R. 42 East West
330' feet from S (circle one) Line of Section
2,280' feet from E (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE (circle one) NW SW
Lease Name: Rueb Well #: 21-16B
Field Name: Armel

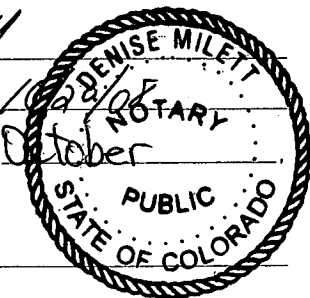
Producing Formation: Niobrara
Elevation: Ground: 3735' Kelly Bushing: 3744'
Total Depth: 1750' Plug Back Total Depth: 1702'
Amount of Surface Pipe Set and Cemented at 363' cmt w/ 127 sx Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from n/a
feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan Ait I MR
(Data must be collected from the Reserve Pit) 12-18-08
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: 10/22/08
Subscribed and sworn to before me this 20th day of October
2008
Notary Public: Denise Milette
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 Well #: 21-16B
 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 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: Triple Combo (DEN/NEU/IND), CBL/CCL/GR	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name <u>Niobrara</u> Top <u>1550'</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.	363'	50/50 POZ	127 sx	3% CaCl, .25% Flo-crete
Production	6 1/4"	4 1/2"	10.5 Lbs./Ft.	1745'	Lead Type III	42 sx	12% Gel, 2% CaCl, .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 1550'-1584'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(34', 3 spf, 102 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 32,190 gals 25% CO2 foamed	
		gel carrying 100,040 lbs 16/30 sand. ATP- 525 psi; ATR- 13.2 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, Resumed Production, SWD or Enhr. 9/26/2008	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 Bbls. 0	Gas Mcf 93	Water Bbls. 0	Gas-Oil Ratio 0	Gravity
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Disposition of Gas _____ METHOD OF COMPLETION _____ Production Interval _____

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

BISON OIL WELL CEMENTING, INC.



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

INVOICE # 7846
 LOCATION CRACKER
 FOREMAN Pat
CLARKE
FRANCISCO

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-24-08	RUCB	16	33	42	Cherokee	
CHARGE TO <u>EXCIT SERVICES</u>		OWNER <u>NOBLE</u>				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR <u>MURKINSON</u>				
STATE ZIP CODE		DISTANCE TO LOCATION <u>70</u>				
TIME ARRIVED ON LOCATION <u>10:00</u>		TIME LEFT LOCATION <u>12:15</u>				

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
9 3/4					
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
360			STRING		
	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
7"			<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM HYD THP = RATE X PRESSURE X 40.8
CASING DEPTH	PACKER DEPTH				
355'					
CASING WEIGHT					
17					
CASING CONDITION					
Good					

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: MURKINSON SAFETY MEETING, 8:30 AM
AM 4P 1775K5 LEAD CEMENT 15.2 POUNDS 1,134 KUD 14 BBS m.d. WATER
13.5 D 15 PORE SALT 1.5 WELL WASH WATER PIT RIG DOWN

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: MFR 11:10 SAFTA 11:15 CEM 11:19
D/S 11:26 SALT 11:30 13 BBS PPT 9

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 KANSAS CORPORATION COMMISSION

OCT 22 2008

CONSERVATION DIVISION
 WICHITA, KS

[Signature]

[Signature]

8-24-08

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@qwest.net

INVOICE # 7857
 LOCATION C.R. 2 & Q
 FOREMAN Eric, Tony, Cisco

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-25-08	Rueb	21-16R	16	13 ^S	42W	Cheyenne
CHARGE TO <u>Excell Services</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Joe</u>			
CITY			CONTRACTOR <u>Rig 17</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>70 miles</u>			
TIME ARRIVED ON LOCATION <u>6:00</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 1/4</u>				
TOTAL DEPTH <u>1746</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PB @ 1702</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>4.5</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>1735</u>		TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT <u>10.5</u>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION <u>good</u>			<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 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 mARP safety meeting, 30 BBL mud Flush, m^oP 42 sks³ cmt yield 2.64 Density 12, m^oP 56 sks³ cmt yield 1.53 Density 12.8, Drop Plug, Displace 27 BBL H₂O, Set Plug @ 1400-1500 psi

JOB SUMMARY

DESCRIPTION OF JOB EVENTS mARP - 7:45 safety meeting - 8:25 30 BBL mud Flush - 8:26 m^oP 42 sks³ cmt - 8:30 m^oP 56 sks³ cmt - 8:37 Drop Plug - 8:43 Displace 27 BBL H₂O - 8:46 Set Plug @ 1400-1500 psi - 9:00

Time	Away	Psi
8:50	10	300
8:53	20	500
8:56	27	1500

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OCT 22 2008

CONSERVATION DIVISION
 WICHITA, KS

5 bbl's to pit

Joe Albert
 AUTHORIZATION TO PROCEED

TITLE

DATE

8-25-08