

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: Southern Star  
 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. \_\_\_\_\_  

<u>11/15/2008</u>	<u>11/15/2008</u>	<u>12/5/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

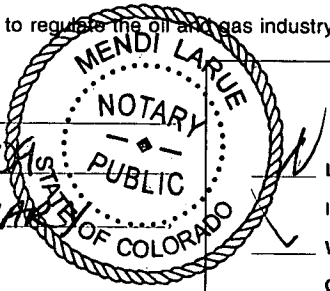
API No. 15 - 023-21172-00-00  
 County: Cheyenne  
 NE NE SE SE NW NW Sec. 13 Twp. 2 S. R. 39  East  West  
1,420' feet from S N (circle one) Line of Section  
2,350' feet from E W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Dunbar Well #: 22-13  
 Field Name: Cherry Creek Niobrara Gas Area  
 Producing Formation: Niobrara  
 Elevation: Ground: 3318' Kelly Bushing: 3327'  
 Total Depth: 1470' Plug Back Total Depth: 1415'  
 Amount of Surface Pipe Set and Cemented at 189' cmt w/ 65 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 NCR 3-26-09  
 (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: Jennifer Barnett  
 Title: Regulatory Analyst Date: 1/28/09  
 Subscribed and sworn to before me this 28 day of JANUARY  
 20 09  
 Notary Public: Mendi Larue  
 Date Commission Expires: My Commission Expires 09/11/2010



**KCC Office Use ONLY**  
 Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution  
**RECEIVED**  
 KANSAS CORPORATION COMMISSION  
**JAN 29 2009**

Operator Name: Noble Energy, Inc. Lease Name: Dunbar Well #: 22-13  
 Sec. 13 Twp. 2 S. R. 39  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:  <b>Triple Combo (DEN/NEU/IND), CBL/CCL/GR</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name <u>Niobrara</u> Top <u>1222'</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.	189'	50/50 POZ	65 sx	3% CaCl, .25% Flo-celc
Production	6 1/4"	4 1/2"	11.6 Lbs./Ft.	1459'	Lead Type III	29 sx	12% Gel, 2% CaCl, .25% Polyfakc
					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 1222'-1260'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(38', 3spf, 114 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,797 gals 25% CO2 foamed	
		gel carrying 100,020 lbs 16/30 sand. ATP- 594 psi; ATR- 13.4 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>1/19/2009</b>	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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	70	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.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwestoffice.net

*ku NWT  
 2/02/09*

REF. INVOICE # 8118

LOCATION Dunbar 22-13

FOREMAN Jose, Justin, Ben

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11/15/00	Dunbar 22-13	13 A 3	25	39 W		

CHARGE TO <u>Excell Services</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>McPherson</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>90 miles</u>
TIME ARRIVED ON LOCATION <u>11:00</u>	TIME LEFT LOCATION <u>12:30</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>185</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>180</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>297#</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 MIRU, safety, est. circ, M/P 105 SKS cement yield 113  
Density, 15.2, Displace to BBLs H<sub>2</sub>O, shut in well

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS (11:00) MIRU, (11:55) safety, (12:00) est. circ, M/P 105  
SKS cement, (12:08) Displace to BBLs H<sub>2</sub>O, (12:10) shut in well

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 KANSAS CORPORATION COMMISSION  
 JAN 29 2009  
 CONSERVATION DIVISION  
 WICHITA, KS

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwestoffice.net

NWT

REF. INVOICE # 8098

LOCATION NE

FOREMAN Allen Bowen  
Matt  
Shawn

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-16-09	Dunbar 22-13	13	2S	39W	Cheyenne	

CHARGE TO <u>EXCEL</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Gray</u>
CITY	CONTRACTOR <u>EXCEL Rig 17</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>8:10 R 9:00</u>	TIME LEFT LOCATION <u>9:50</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>6 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1470</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1449</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>11.6</u>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>Good</u>	<u>PB17D 1415</u>		<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP		
MINIMUM psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB MTRU safety meeting EST-CIRC mudflush  
m-p 29 SKS 50/50 Poz 12x BBA 2x BBA .25x BLFA 10.7 mix H2O  
m-p 56 SKS 50/50 Poz 2x BBA 1x BFL 20 .25 BLFA 12.8 mix H2O  
Drop Plug Displace 219 BBLS H2O set Plug 1400 to 1500 PSI  
Check Flant & latch Wash up to Pit Rig Down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MTRU 8:33 safety meeting 8:41 mudflush 30 BBLs  
Leadcement 8:57 tell cement 9:01  
Drop Plug 9:15 Displace 9:19

Time	avg	PSI
9:23	10	300
9:28	20	500
9:30	set Plug	1500

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 KANSAS CORPORATION COMMISSION

JAN 29 2009

CONSERVATION DIVISION  
 WICHITA, KS

*[Signature]*  
 AUTHORIZATION TO PROCEED

TITLE

11-16-09

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.