

* Final ACO-1

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

Form ACO-1
September 1999
Form Must Be Typed

ORIGINAL

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

AMENDED

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. _____

9/6/2008	9/9/2008	10/8/2008
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-21125-00-00
County: Cheyenne
S2 N2 NE SW Sec. 12 Twp. 2 S. R. 39 East West
1,990' feet from (S) N (circle one) Line of Section
1,980' feet from E / (W) (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
(circle one) NE SE NW (SW)
Lease Name: Keller Farms Well #: 23-12
Field Name: Cherry Creek Niobrara Gas Area

Producing Formation: Niobrara
Elevation: Ground: 3326' Kelly Bushing: 3335'
Total Depth: 1491' Plug Back Total Depth: 1455'
Amount of Surface Pipe Set and Cemented at 198' cmt w/ 68 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.

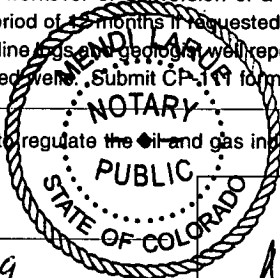
Drilling Fluid Management Plan AH I NR 3-5-09
(Data must be collected from the Reserve Pit)

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-119 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: 1/22/09
Subscribed and sworn to before me this 22 day of JANUARY
20 09
Notary Public: Mendi [Signature]
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 26 2009

CONSERVATION DIVISION
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Keller Farms Well #: 23-12
 Sec. 12 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 checked="" 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> X <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No 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>1248'</u> 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.	198'	50/50 POZ	68 sx	3% CaCl, .25% Flo-celc
Production	6-1/4"	4-1/2"	9.5 Lbs/Ft.	1489'	Lead Type III	31 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 1248'-1280'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(32', 3spf, 96 holes) .42" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,879 gals 25% CO2 foamed	
		gel carrying 100,280 lbs 16/30 sand. ATP-516 psi; ATR-13.7 bpm.	

TUBING RECORD		Size <u>2-3/8"</u>	Set At <u>1311'</u>	Packer At _____	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumerd Production, SWD or Enhr. <u>1/19/2009</u>		Producing Method <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 Bbbs. <u>0</u>	Gas Mcf <u>65</u>	Water Bbbs. <u>0</u>	Gas-Oil Ratio <u>0</u>	Gravity _____

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: bisonoil1@qwest.net

VOICE # 79241
 LOCATION CRW
 FOREMAN PAT
Johnson
Tom

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-6-08	Kerrick ARW 23-12	12	2-5	39W	Cheyenne	

CHARGE TO <u>EXECUTIVE SERVICES</u>	OWNER <u>NOBLE</u>
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>WELPCO</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>60</u>
TIME ARRIVED ON LOCATION <u>1:00</u>	TIME LEFT LOCATION

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>9 7/8</u>					
TOTAL DEPTH <u>154</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNUBUS-LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>158</u>	TREATMENT MA				
CASING WEIGHT <u>17</u>	PICKER DEPTH				
CASING CONDITION <u>GOOD</u>					

PRESSURE SUMMARY				TREATMENT RATE	
BREAKDOWN or CIRCULATING (psi)	AVERAGE (psi)	5 MIN SP (psi)	15 MIN SP (psi)	INITIAL BPM	FINAL BPM
FINAL DISPLACEMENT (gal)					
ANNULUS (psi)					
MAXIMUM (psi)					
MINIMUM (psi)					

INSTRUCTIONS PRIOR TO JOB MTRC SAFETY meeting EST CR
WOP 68513 CMT 152 DENSITY 113.4124 8.5BPS W/100 FT
DISPLACE 7.0BBS 1420 5.0BT IN/111 W/5H L/100 FT
R & Dea

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS MTRC 1:00 SAFETY 1:15 CSM 1:33
DIS 1:38 5.0BT IN/111 1420 14

RECEIVED
 KANSAS CORPORATION COMMISSION
 JAN 26 2009
 CONSERVATION DIVISION
 WICHITA, KS

[Signature] AUTHORIZATION TO PROCEED
[Signature] TITLE
9-6-08 DATE

Customers hereby acknowledge and specifically agree 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: 303-296-8143
 E-mail: bisonoil1@qwest.net

VOICE # 7898

LOCATION C.R. 22 + W KS

FOREMAN Eric, Tony, Matt

TREATMENT REPORT

DATE <u>9-9-08</u>	WELL NAME <u>Keller Farms 23-12</u>	SECTION <u>12</u>	TWP <u>25</u>	RSE <u>39</u>	COUNTY <u>Cheyenne</u>	FORMATION
CHARGE TO <u>Excel Services</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Gray</u>			
CITY			CONTRACTOR <u>Ag 17</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>60 miles</u>			
TIME ARRIVED ON LOCATION <u>9:15</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS			
HOLE SIZE <u>6 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
TOTAL DEPTH <u>1493</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG			
<u>P&Q 1454</u>	TUBING WEIGHT	OPEN HOLE	STUBING			
CASING SIZE <u>4.5</u>	TUBING CONDITION		TUBING			
CASING DEPTH <u>1480</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
CASING CONDITION <u>good</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	ESIP 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	HYD HSP = RATE X PRESSURE X 40.8		
MINIMUM psi			<input type="checkbox"/> OTHER			

INSTRUCTIONS PRIOR TO JOB m&R P. safety meeting, 30 bbl mud flush, m&P 30 sks cement yield 2.6
Density 12, m&P 5 bks cement yield 1.83 Density 13.8, Drop Plug, Displace 23.6
bbls H₂O, set Plug @ 1400-1500

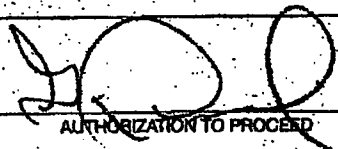
JOB SUMMARY

DESCRIPTION OF JOB EVENTS m&R P. 9:45 - safety meeting (10:05) 30 bbl mud flush (10:09) m&P 31
sks cement (10:10) m&P 5 bks cement (10:13) Drop Plug (10:22) Displace 23.6 bbls H₂O (10:23)
set Plug @ 1400-1500 psi (10:31)

Time	Away	Psi
10:26	10	350
10:28	20	500
10:30	23.6	1500

9 bbls to pit

RECEIVED
 KANSAS CORPORATION COMMISSION
 JAN 26 2009
 CONSERVATION DIVISION
 WICHITA, KS

 AUTHORIZATION TO PROCEED

TITLE _____ DATE 9-9-08

Customer 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.