

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

\* Final ACO-1  
ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

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. \_\_\_\_\_  

9/11/2008	9/12/2008	11/11/2008
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

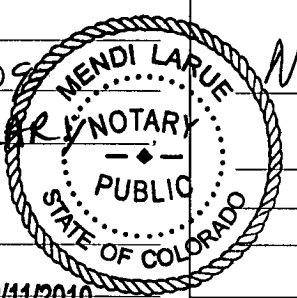
API No. 15 - 023-21066-00-00  
 County: Cheyenne  
 SW NE SE NE Sec. 13 Twp. 2 S. R. 39  East  West  
1,660' feet from S N (circle one) Line of Section  
440' feet from E W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NF SE NW SW  
 Lease Name: Zimbelman Well #: 42-13  
 Field Name: Cherry Creek Niobrara Gas Area  
 Producing Formation: Niobrara  
 Elevation: Ground: 3285' Kelly Bushing: 3291'  
 Total Depth: 1435' Plug Back Total Depth: 1390'  
 Amount of Surface Pipe Set and Cemented at 147' cmt w/ 62 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 Air I ncr 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-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: 1/22/09  
 Subscribed and sworn to before me this 22 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 26 2009

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Zimbelman Well #: 42-13 -  
 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>1214'</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.	147'	50/50 POZ	62 sx	3% CaCl, .25% Flo-celc
Production	6-1/4"	4-1/2"	9.5 Lbs/Ft.	1435'	Lead Type III	28 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 1214'-1254'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(40', 3spf, 120 holes) .42" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,702 gals 25% CO2 foamed	
		gel carrying 100,000 lbs 16/30 sand. ATP-553 psi; ATR-15.8 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. <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)
--	--

Estimated Production Per 24 Hours	Oil Bbls. <b>0</b>	Gas Mcf <b>75</b>	Water Bbls. <b>0</b>	Gas-Oil Ratio <b>0</b>	Gravity
-----------------------------------	--------------------	-------------------	----------------------	------------------------	---------

Disposition of Gas  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: 303-298-3010  
 Fax: 303-298-8149  
 E-mail: bisonoil1@qwest.net

INVOICE # 7864

LOCATION KS

FOREMAN STANLEY R. STIMPSON  
ALAN GLEN

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-11-08	Zimelman 42-13	13	25	39W	CHEYENNE	

CHARGE TO <u>EXCELL</u>	OWNER
MAILING ADDRESS	OPERATOR <u>MOFF</u>
CITY	CONTRACTOR <u>EXCELL R-32</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:30</u>	TIME LEFT LOCATION <u>3:40</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>9 7/8</u>				
TOTAL DEPTH <u>152</u>	TUBING DEPTH	SPOTS/FT	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>7</u>	TUBING CONDITION		TUBING	

CASING DEPTH	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
<u>147</u>		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING WEIGHT <u>2017</u>	PACKER DEPTH	<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
CASING CONDITION <u>good</u>		<input type="checkbox"/> ROBEZE CEMENT	FINAL BPM

BREAKDOWN or CIRCULATING		AVERAGE	TYPE OF TREATMENT	BREAKDOWN BPM
INITIAL DISPLACEMENT	psi	ISIP	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
ANNULUS	psi	5 MIN SIP	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
MAXIMUM	psi	15 MIN SIP	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MINIMUM	psi		<input type="checkbox"/> MISC FUMP	
			<input type="checkbox"/> OTHER	HYD. HWP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB MIRU SAPV MISSING EST-412C  
M.P. 62568 50/80 POC 3/8" DIA 1 25 20/40 - 7 BBL'S MIX 10/25  
Displace 5 BBL'S H<sub>2</sub>O Shut in well washup to PIT Rigdown

TOP OFF 20 SRS 50/80 POC 3/8" DIA 1 25 20/40 2.5 BBL'S H<sub>2</sub>O MIX

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIRU 2:35 SAFE 2:40  
CEMENT 2:43 Displace 2:54

RR'S TOP JT  
Shut in well 2:57  
TOP OFF well with 20 SRS

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

[Signature] AUTHORIZATION TO PROCEED [Signature] TITLE 9-11-08 DATE

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.

# 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

INVOICE # 7865

LOCATION KS

FOREMAN STANLEY RISTAN  
ALEX  
OLEN

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-12-08	Zimbelman E 42 T3	13	2 S	39 W	Cherokee	
CHARGE TO	OWNER					
Mailing ADDRESS	OPERATOR					
CITY	CONTRACTOR					
STATE ZIP CODE	DISTANCE TO LOCATION					
TIME ARRIVED ON LOCATION	TIME LEFT LOCATION					
	6:10		8:35			

WELL DATA			PRESSURE LIMITATIONS				
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED		
6 1/4							
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG				
1435							
CASING SIZE	TUBING WEIGHT	OPEN HOLE	STRING				
4 1/2							
CASING DEPTH	TUBING CONDITION	TREATMENT VIA	TUBING				
1429							
CASING WEIGHT	PACKER DEPTH	TYPE OF TREATMENT		TREATMENT RATE			
9.5		1 SURFACE PIPE		BREAKDOWN BPM			
CASING CONDITION	PTSD 1390	2 PRODUCTION CASING		INITIAL BPM			
Good		3 SOLE CEMENT		FINAL BPM			
PRESSURE SUMMARY			4 ACID BREAKDOWN		MAXIMUM BPM		
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	5 ACID STIMULATION		MAXIMUM BPM	
FINAL DISPLACEMENT	psi	ISP	psi	6 ACID SPOTTING		AVERAGE BPM	
ANNULUS	psi	5 MIN SIP	psi	7 MISC PUMP		BTD H <sub>2</sub> O - RATE X PRESSURE X 40.0	
MAXIMUM	psi	15 MIN SIP	psi	8 OTHER			
MINIMUM	psi						

INSTRUCTIONS PRIOR TO JOB MPERU SATP meeting SET-PIPE in PRODUCTION

M-P 28 SKS 50/60 PIZ 123000-1 280000-1 253000-1 - 10.4 BBL/S MIX H<sub>2</sub>O  
M-P 36 SKS 50/60 PIZ 230000-1 180000-1 125000-1 - 12.7 BBL/S MIX H<sub>2</sub>O

Drop Plug Displace 2.16 BBL H<sub>2</sub>O SET Plug 1400-10-1500SE  
Check Float & latch was up to P.T. Rig down

JOB SUMMARY

DESCRIPTION OF JOB EVENTS MPERU 6:10 SATP 6:44 START PUMP 7:09

MP lead cement 7:16 MP tail cement 7:19

Drop Plug 7:26 Displace 7:28

Time	Annot.	PSI
7:32	10	250
7:37	20	400
7:39	RT Plug	1500

When setting plug at 1500 PSI Release line on pump cracked  
Reading off PSI on well - at 517425 PSI on well and closed  
well Head valves and LEFT IT -

RECEIVED  
 KANSAS CORPORATION COMMISSION

JAN 25 2009

AUTHORIZATION TO PROCEED Abe Nether TITLE 9-12-08 DATE CONSERVATION DIVISION  
 WICHITA, KS

Customers hereby acknowledges and specifically agrees to the terms and conditions of this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity.