

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

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: Kinder Morgan  
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: \_\_\_\_\_  
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. \_\_\_\_\_  
5/28/2008      5/29/2008      6/18/2008  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

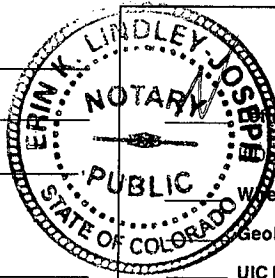
API No. 15 - 023-20841-0000  
County: Cheyenne  
NW SW \_\_\_\_\_ Sec. 31 Twp. 3 S. R. 41  East  West  
1760' feet from (S) N (circle one) Line of Section  
790' feet from E (W) (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW (SW)  
Lease Name: Zweygardt Well #: 13-31  
Field Name: Cherry Creek  
Producing Formation: Niobrara  
Elevation: Ground: 3669' Kelly Bushing: 3678'  
Total Depth: 1740' Plug Back Total Depth: 1697'  
Amount of Surface Pipe Set and Cemented at 321' cmt w/110 sx \_\_\_\_\_ Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan AH 1 NCR 8-4-08  
(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: Permit Representative Date: 7/21/08  
Subscribed and sworn to before me this 21st day of July  
20 08  
Notary Public: Erin K. Lindley Joseph  
Date Commission Expires: My Commission Expires Aug. 20, 2008



KCC Office Use ONLY  
Confidentiality Received  Date: \_\_\_\_\_  
Wireline Log Received   
Geologist Report Received   
UIC Distribution   
RECEIVED  
KANSAS CORPORATION COMMISSION  
JUL 22 2008

Operator Name: Noble Energy, Inc. Lease Name: Zweygardt Well #: 13-31  
 Sec. 31 Twp. 3 S. R. 41  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 (Array Induction/Comp. Nuetron/                  Litho Density), CBL/GR/CCL</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name <u>Niobrara</u> Top <u>1498'</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.	321'	50/50 POZ	110 sx	3% CaCl. .25% Flo-cale
Production	6 1/4"	4 1/2"	11.6 Lbs./Ft.	1739'	Lead, Type III	42 sx	12% gel, 2% CaCl. .25% Polyfleks
					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 <i>(Amount and Kind of Material Used)</i>	Depth
3 spf	Perf Niobrara interval from 1498'-1536'	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; 31,986 gals 25% CO2 foamed	
		gel carrying 100,040 lbs 16/30 sand. ATP-617 psi; ATR-14.4 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>7/1/2008</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. <b>0</b>	Gas Mcf <b>100</b>	Water Bbls. <b>0</b>	Gas-Oil Ratio <b>0</b>	Gravity
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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: 303-286-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwest.net

*Handwritten notes:*  
 OK  
 2nd 1/2 per telegram of open  
 5/13-31

INVOICE # 7694  
 LOCATION CR5  
 FOREMAN Pat  
Eric  
Jones

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-28-08	ZUGGARDT 13-31				Cherokee	

CHARGE TO <u>EXCEL SERVICES</u>	OWNER <u>NOBUC</u>
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>McPherson</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>70 MILES</u>
TIME ARRIVED ON LOCATION <u>4:45</u>	TIME LEFT LOCATION <u>6:15</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>315</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>312</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>174</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	

INSTRUCTIONS PRIOR TO JOB MIRU, SALT MEETING, EST. CIRC, MDP 1105:15  
CEMENT 15.2 DENSITY 1.17 DISPLACE 17.5 BBL/S IF JOE SALT IN WELL  
WASH UP TO PIT

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIRU 4:45 SALT #152 CEM 5:15  
DIS 641 SALT IN WELL 606 BBL/S 6  
110 SACKS  
60 BLS TO PIT

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 KANSAS CORPORATION COMMISSION

JUL 22 2008

CONSERVATION DIVISION  
 WICHITA, KS

[Signature] AUTHORIZATION TO PROCEED  
[Signature] 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: bisonoil1@qwest.net

INVOICE # 7698  
 LOCATION CR5  
 FOREMAN PAT ROWE  
Call Allison

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-29-08	Zuehlhardt 13-31				Cherokee	

CHARGE TO <u>EXCEL SERVICES</u>	OWNER <u>NOBLE</u>
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>EXCEL 17</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>70 MILES</u>
TIME ARRIVED ON LOCATION <u>6:00 REQUESTED 6:30</u>	TIME LEFT LOCATION <u>9:45</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>6 1/2</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1740</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>4 1/2</u>	TUBING CONDITION	TREATMENT VIA	TUBING		
CASING DEPTH <u>1729</u>					
CASING WEIGHT <u>116</u>	PACKER DEPTH				
CASING CONDITION <u>GOOD</u>					
PRESSURE SUMMARY			TREATMENT RATE		
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
MINIMUM psi			<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	

INSTRUCTIONS PRIOR TO JOB MIRU, SAFETY meeting, ESTABLISH WITH 30 BPM'S W/F  
MWP 425K'S Cement 1310 Density 2164 YIELD  
MWP 565K'S tail cement 1318 Density 1,833 YIELD DROP PL46  
DISPLACE 26.3 BBLS Bump PL46 1200 to 1500 PSI  
Release pressure wash w/PT PIT Rig Down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIRU 6:56 SAFETY 7:11 M/F 7:19  
CEM 7:26 DIP 7:39 DIS 7:42  
10AWAY 7:46 PSI 100 20AWAY 7:52 PSI 300  
26.3AWAY 8:00 PSI 1500 BBLS TO PIT 3

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 KANSAS CORPORATION COMMISSION

JUL 22 2008

CONSERVATION DIVISION  
 WICHITA KS

*[Signature]*  
 AUTHORIZATION TO PROCEED

TITLE DATE