

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: \_\_\_\_\_  
 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>1/19/2008</u>	<u>1/20/2008</u>	<u>2/05/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20870-0000  
 County: Cheyenne  
 NW SE \_\_\_\_\_ Sec. 34 Twp. 3 S. R. 41  East  West  
2310' feet from  S N (circle one) Line of Section  
2110' 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 #: 33-34  
 Field Name: Cherry Creek  
 Producing Formation: Niobrara  
 Elevation: Ground: 3496' Kelly Bushing: 3502'  
 Total Depth: 1523' Plug Back Total Depth: 1447'  
 Amount of Surface Pipe Set and Cemented at 176' cmt w/64 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.  
Alt I - Dg - 9/8/08  
**Drilling Fluid Management Plan**  
 (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: 6/2/08  
 Subscribed and sworn to before me this 2nd day of June  
08  
 Notary Public: Erin K. Lindley  
 Date Commission Expires: My Commission Expires Aug. 20, 2008

**KCC Office Use ONLY**

Letter of Confidentiality Received  Denied, Yes  Date: \_\_\_\_\_

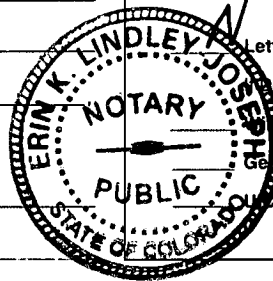
Wireline Log Received  \_\_\_\_\_

Geologist Report Received  \_\_\_\_\_

Distribution \_\_\_\_\_

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 KANSAS CORPORATION COMMISSION  
**JUN 04 2008**

CONSERVATION DIVISION  
 WICHITA, KS



Operator Name: Noble Energy, Inc. Lease Name: Zweygardt Well #: 33-34  
 Sec. 34 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 (DEN/NEU/IND), CBL/GR/CCL</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Niobrara</td> <td>1330'</td> <td></td> </tr> </table>	Name	Top	Datum	Niobrara	1330'	
Name	Top	Datum					
Niobrara	1330'						

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.	176'	50/50 POZ	64 sx	3% CaCl, .25% Flo-cela
Production	6 1/4"	4 1/2"	10.5 Lbs./Ft.	1490'	Lead, Type III	32 sx	12% gel, 2% CaCl, .25 Flo-cela
					Tail, 50/50 POZ	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 1330'-1370'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(40', 3spf, 120 holes) .41" EHD, 120 degree phase.	25% CO2 foamed gel pad; 31,864 gals 25% CO2 foamed	
		gel carrying 100,340 lbs 16/30 sand. ATP- 595 psi; ATR- 14.5 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>3/12/2008</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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	90	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@qwest.net

INVOICE # 6893  
 LOCATION LANDE 33-34  
 FOREMAN JOSE TOM ADAM FRANCIS

## TREATMENT REPORT

DATE <u>4/19/08</u>	(Zweygardt)	SECTION	TWP	RGE	COUNTY <u>Cheyenne</u>	FORMATION
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CHARGE TO <u>Excell Services</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Excell Rig #2</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>70 Miles</u>
TIME ARRIVED ON LOCATION <u>2:00 Request 2:30</u>	TIME LEFT LOCATION <u>3:30</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>180.78</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>175.78</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>17#</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 Meeting Est. Circu, H/P 104 SKS cement  
yield 1.13 Density 15.2 Displace to BBIS H2O shut in well  
wash to Pit

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS (2:00) MIRU, (2:40) safety meeting (2:45) Est. circu,  
(2:47) H/P 104 SKS cement, (2:55) Displace to BBIS H2O  
(3:00) shut in well wash to pit  
4 to Pit

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 JUN 04 2008  
 CONSERVATION DIVISION  
 WICHITA, KS

[Signature] AUTHORIZATION TO PROCEED TITLE Push DATE 4/19/08

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 # 6720  
 LOCATION Hwy 36  
 FOREMAN PAT

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-30-08	ZUC+GANT 33-76				Cherokee	

CHARGE TO <u>Excel Services</u>	OWNER <u>NORCE</u>
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>EXCEL #2</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>70 miles</u>
TIME ARRIVED ON LOCATION <u>11:57</u> <u>Reques + 17</u> <u>11:30</u>	TIME LEFT LOCATION <u>2:15</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 1/2</u>				
TOTAL DEPTH <u>1527</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		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		PRESSURE SUMMARY		PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING	psl	AVERAGE	psl		
FINAL DISPLACEMENT	psl	ISIP	psl		
ANNULUS	psl	5 MIN SIP	psl		
MAXIMUM	psl	15 MIN SIP	psl		
MINIMUM	psl				

INSTRUCTIONS PRIOR TO JOB MEET, GAIT meeting, 10:00 AM with 300 BBLs min. flush  
with 325 lbs cement 1.20 density 2.64 viscosity with 565 lbs cement density 1.4  
viscosity 1.83 dropper displacer 23 BBLs H2O bump plug 1200 to 1500 PSI  
Reverse pressure wash with pit R/D down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MEET 11:57 GAIT 12:45 min. flush 101  
CC 1:08 dropper 1:15 displacer 1:27  
12:45 1:25 PSI 300 20:40 1:29 PSI 500  
23:40 1:31 PSI 1300 BBLs + 5.5

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1-30-08

AUTHORIZATION TO PROCEED

TITLE

DATE

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