

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: \_\_\_\_\_  
Operator Contact Person: Jennifer Barnett  
Phone: (303) 228-4235  
Contractor: Name: Excell Services Inc., Wray, CO  
License: 8273  
Wellsite Geologist: none

API No. 15 - 023-21116-00-00  
County: Cheyenne  
SE NW NW SE Sec. 8 Twp. 5 S. R. 40  East  West  
2,309' feet from (S) N (circle one) Line of Section  
2,309' 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 #: 33-8  
Field Name: \_\_\_\_\_

Producing Formation: Niobrara  
Elevation: Ground: 3660' Kelly Bushing: 3666'  
Total Depth: 1627' Plug Back Total Depth: 1584'  
Amount of Surface Pipe Set and Cemented at 400' crmt w/ 167 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 crmt.

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: 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. \_\_\_\_\_

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

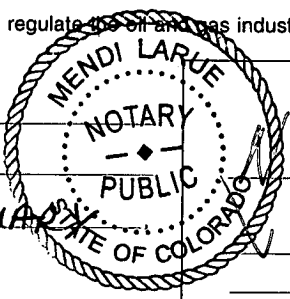
Drilling Fluid Management Plan  
(Data must be collected from the Reserve Pit)  
Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
Dewatering method used \_\_\_\_\_  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

*AI+1-Dlg - 3/30/09*

**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: 2/5/09  
Subscribed and sworn to before me this 5<sup>th</sup> day of FEBRUARY  
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  
**FEB 06 2009**

CONSERVATION DIVISION  
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Zweygardt Well #: 33-8  
 Sec. 8 Twp. 5 S. R. 40  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  Yes  No  
 (Attach Additional Sheets)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy)

Log Formation (Top), Depth and Datum  Sample  
 Name Niobrara Top 1412' Datum

List All E. Logs Run:

**Triple Combo (DEN/NEU/IND)**

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"	20 Lbs./Ft.	400'	50/50 POZ	167 sx	3% CaCl, .25% Flo-crete
Production	6 1/4"	4 1/2"	11.6 Lbs./Ft.	1620'	Lead Type III	37 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	Acid, Fracture, Shot, Cement Squeeze Record	Depth
	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	
	Waiting to perforate	Waiting to frac	

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.	Producing Method							
Waiting on hookup	<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity			

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Submit ACO-18.)  
 METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify)

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-295-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwest.net

INVOICE # 8013  
 LOCATION KS  
 FOREMAN Stanley R. Stimpson  
Alon C Bower

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-8-08	Zwycygart-33-8	8	5S	40W	Cherokee	

CHARGE TO <u>EXCELL</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Mark</u>
CITY	CONTRACTOR <u>EXCELL Rig 2</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:30 R 10:00</u>	TIME LEFT LOCATION <u>12:00</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>9 7/8</u>				
TOTAL DEPTH <u>406</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>7"</u>	TUBING CONDITION	TREATMENT VIA	TUBING	
CASING DEPTH <u>400</u>			TYPE OF TREATMENT	
CASING WEIGHT <u>20</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM <u>500</u>
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. HP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB MIRU softy meeting EST-CTRC  
m-p167sks 50/50 PDE 3% BCCA .25% BELAT 19 BBLs mix  
Displace 15 BBLs H2O shut in well wash up to Pit  
Rig Down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIRU 10:50 soft meeting 10:00  
Cement 11:13 Displace 11:29  
BBLs to Pit 5  
Shut in well 11:35

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 KANSAS CORPORATION COMMISSION

FEB 06 2009

CONSERVATION DIVISION  
 WICHITA, KS

[Signature]  
 AUTHORIZATION TO PROCEED

Push  
 TITLE

10-8-08  
 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 # 8014  
 LOCATION KS  
 FOREMAN STANLEY R. SIMPSON  
ALAN SHAW

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-9-08	ZWT YGARDY 33-8	8	55	40W	CHEYENNE	

CHARGE TO <u>EXCELL</u>	OWNER
MAILING ADDRESS	OPERATOR <u>JOE</u>
CITY	CONTRACTOR <u>EXCELL Rig 2</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>1:30 R. 200</u>	TIME LEFT LOCATION <u>7:00</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 1/4</u>				
TOTAL DEPTH <u>1627</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	TREATMENT RATE
<u>1620</u>			<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING WEIGHT <u>11.6</u>	PACKER DEPTH		<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM
CASING CONDITION <u>good</u>	<u>PBD 1584</u>		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM

PRESSURE SUMMARY		BPM	
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 MFRU SAFETY MEETING 1ST CONC. M-F 7:00 AM mud flush  
m-p37 SRS 50/50 POZ 12 9/16 BBL-1 2 9/16 BBL-1 .25 8 BBL FA-1 - 13.7 mil H<sub>2</sub>O  
m-p56 SRS 50/50 POZ 2 9/16 BBL-1 1 9/16 BBL-1 .25 8 BBL FA-1 - 13.7 mil H<sub>2</sub>O  
Drop Plug Displace 24.6 BBL H<sub>2</sub>O SET Plus 1400 to 1500 PSI Check Latch & Float  
wash up top IT Rig down

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MFRU 5:15 SAFETY 5:40 mud flush 5:55  
Lead cement 6:09 Tail cement 6:16  
Drop Plug 6:23 Displace 6:27 Time away psl  
6:31 10 200  
6:35 20 400  
6:39 Set Plug 1450

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 FEB 06 2009  
 CONSERVATION DIVISION  
 WICHITA, KS

Joe Helms 10-9-08 DATE  
 AUTHORIZATION TO PROCEED TITLE

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