

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

WELL COMPLETION FORM ORIGINAL  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 33190  
 Name: Noble Energy, Inc.  
 Address: 1625 Broadway, Suite 2000  
 City/State/Zip: Denver, CO 80202  
 Purchaser: Bittercreek Pipeline  
 Operator Contact Person: Joe Mazotti  
 Phone: (303) 228-4223  
 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: 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. \_\_\_\_\_

9/7/2007	9/8/2007	9/21/2007
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

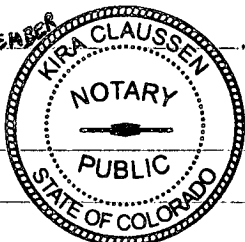
API No. 15 - 023 - 20783 - 00-00  
 County: Cheyenne  
 SW SE \_\_\_\_\_ Sec. 32 Twp. 3 S. R. 41  East  West  
300' feet from (S) N (circle one) Line of Section  
2482 feet from (E) W (circle one) Line of Section  
 Footages Calculated from Nearest Outside Section Corner:  
 (circle one) NE SE NW SW  
 Lease Name: Zweygardt Well #: 34-32  
 Field Name: Cherry Creek  
 Producing Formation: Niobrara  
 Elevation: Ground: 3543' Kelly Bushing: 3549'  
 Total Depth: 1589' Plug Back Total Depth: 1549'  
 Amount of Surface Pipe Set and Cemented at 292' cmt w/ 100 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 ALT WITH  
 (Data must be collected from the Reserve Pit) 12-13-07  
 Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls  
 Dewatering method used \_\_\_\_\_  
 Location of fluid disposal if hauled offsite: \_\_\_\_\_  
 Operator Name: \_\_\_\_\_  
 Lease Name: \_\_\_\_\_ License No.: NOV 15 2007  
 Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
 County: \_\_\_\_\_ Docket No.: \_\_\_\_\_  
 CONSERVATION DIVISION  
 WICHITA, KS

**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: \_\_\_\_\_  
 Title: Regulatory Analyst Date: 11/13/2007  
 Subscribed and sworn to before me this 13 day of November  
20 07.  
 Notary Public: Kira Clausen  
 Date Commission Expires: \_\_\_\_\_



**KCC Office Use ONLY**

Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Noble Energy, Inc Lease Name: Zweygardt Well #: 34-32  
 Sec. 32 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 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:	<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 <b>Niobrara</b></td> <td style="width:20%;">Top <b>1384'</b></td> <td style="width:20%;">Datum</td> </tr> </table>	Name <b>Niobrara</b>	Top <b>1384'</b>	Datum
Name <b>Niobrara</b>	Top <b>1384'</b>	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.	292'	50/50 POZ	100	2% CaCl, .25% Flo-cele
Production	6 1/4"	4 1/2"	9.5 Lbs./Ft.	1589'	Lead, Type III	45	12% gel, 2%CaCl, .25%flo-cele
					Tail, 50/50 POZ	75	3%CaCl, .25 flo-cele

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 1384' to 1424' & 1442' & 1454 to 1456 (43', 3spf, 129 holes)	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of 30% CO2 foamed gel pad; 30,976 gals 35% CO2 foamed gel carrying 100,040 lbs 16/30 sand. AIP-725psi; AIR-22.5 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>11/3/2007</b>		Producing Method <input type="checkbox"/> Flowing <input checked="" 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
	0	110	0	0	

Disposition of Gas METHOD OF COMPLETION Production Interval

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. LL3  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil2@qwest.net

REF. INVOICE # 10524  
 LOCATION Zweygard T 34-32  
 FOREMAN Jose Alan Showal

## TREATMENT REPORT

DATE <u>9/7/07</u>	CUSTOMER ACCT #	WELL NAME <u>Zweygard</u>	QT/OTR	SECTION	TWP	RGE	COUNTY <u>Cheyenne</u>	FORMATION
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CHARGE TO <u>Excel Services</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Excel Rig # 2</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION	TIME LEFT LOCATION

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>2916</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>291</u>		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE	
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	
			<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 NHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB MIRU, Safety Est. Circu. M/P 100 SKS Cement yield 1.13  
Density 15.2 Displace 10 BBLS H2O Shut in well

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS (0100) MIRU, (0105) Safety Meeting (0113) Est. Circu.  
(0115) M/P 100 SKS Cement (0126) Displace 10 BBLS H2O  
(0130) Shut in well  
4 BBLS to Pit

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 NOV 15 2007  
 CONSERVATION DIVISION  
 WICHITA, KS

[Signature] AUTHORIZATION TO PROCEED      [Signature] TITLE      9/7/07 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. LL3  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil2@qwest.net

REF. INVOICE # 10545  
 LOCATION Zweygardt 34-32  
 FOREMAN Jose Eric Shaward

## TREATMENT REPORT

DATE <u>9/18/07</u>	CUSTOMER ACCT #	WELL NAME <u>Zweygardt 34-32</u>	DT/QTR	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 Rigging</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION	TIME LEFT LOCATION

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 1/4</u>				
TOTAL DEPTH <u>1589</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>P/B 1549</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>1588</u>		TREATMENT VIA	TREATMENT RATE	
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			
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, Est. Circu. M/P 45 SKS Engel Cement yield 2.35  
Density 12.5 M/P 75 SKS cement yield 113 Density 15.2 DROP Plug  
Displace 34.6 BBIS H2O Set Plug Between 13000 & 15000 PSI Washup to Pit-

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS (9:30) MIRU, (11:20) Safety (11:30) Est. Circu. PUMP 30 BBIS H/Flug  
(11:35) M/P 45 SKS Engel cement (11:45) M/P 75 SKS cement (11:50) Drop Plug  
(11:52) Displace 34.6 BBIS H2O,  
(11:57) 10 away 200 PSI  
(12:00) 30 away 500 PSI  
12:02 set plug at 11000 PSI

RECEIVED  
 KANSAS CORPORATION COMMISSION  
 NOV 15 2007  
 CONSERVATION DIVISION  
 WICHITA, KS

[Signature]  
 AUTHORIZATION TO PROCEED TITLE 9/18/07 DATE

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