

ORIGINAL

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

Form ACO-1  
September 1999  
Form Must Be Typed

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

8/25/2008      8/28/2008      9/10/2008  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date                Recompletion Date

API No. 15 - 023-21093-0000  
County: Cheyenne  
SE NW NE NW Sec. 32 Twp. 3 S. R. 41  East  West  
350' feet from S (N) (circle one) Line of Section  
1,840' 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 #: 21-32B  
Field Name: Cherry Creek

Producing Formation: Niobrara  
Elevation: Ground: 3627' Kelly Bushing: 3636'  
Total Depth: 1669' Plug Back Total Depth: 1599'  
Amount of Surface Pipe Set and Cemented at 280', cmt w/ 97 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 AIF I NR  
(Data must be collected from the Reserve Pit) 12-3-08  
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.: \_\_\_\_\_

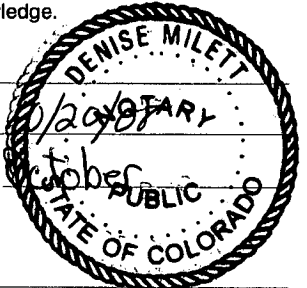
**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information 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: \_\_\_\_\_

Subscribed and sworn to before me this 20th day of October  
2008.

Notary Public: Denise Milett  
Date Commission Expires: 11/09/08



**KCC Office Use ONLY**

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

Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

**RECEIVED**  
KANSAS CORPORATION COMMISSION  
**OCT 22 2008**

Operator Name: Noble Energy, Inc. Lease Name: Zweygardt Well #: 21-32B  
 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 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>1413'</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.	280'	50/50 POZ	97 sx	3% CaCl, .25% Flo-cele
Production	6 1/4"	4 1/2"	11.6 Lbs./Ft.	1642'	Lead Type III	38 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 <i>(Amount and Kind of Material Used)</i>	Depth
3 SPF	Perf Niobrara interval from 1414'-1454'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(40', 3 spf, 120 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,939 gals 25% CO2 foamed	
		gel carrying 100,060 lbs 16/30 sand. ATP- 572 psi; ATR- 12.0 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>9/25/2008</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		84	0		0	

Disposition of Gas <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <input type="checkbox"/> Other (Specify) _____	Production Interval _____
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# 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 # 7885  
 LOCATION  Hwy 36 St. Francis Ks  
 FOREMAN Eric, Tony, Cisco

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-25-08	Zweypardt 21-328	32	28	41 W	Cheyenne	
CHARGE TO <u>McPherson Drilling</u>				OWNER		
MAILING ADDRESS				OPERATOR <u>Scott</u>		
CITY				CONTRACTOR <u>McPherson</u>		
STATE ZIP CODE				DISTANCE TO LOCATION <u>70 miles</u>		
TIME ARRIVED ON LOCATION <u>11:00</u>				TIME LEFT LOCATION		

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 5/8</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>276</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>271</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	
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
BREAKDOWN or CIRCULATING <u>psi</u>	AVERAGE <u>psi</u>		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
FINAL DISPLACEMENT <u>psi</u>	15IP <u>psi</u>		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
ANNULUS <u>psi</u>	5-MIN SIP <u>psi</u>		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MAXIMUM <u>psi</u>	15-MIN SIP <u>psi</u>		<input type="checkbox"/> MISC PUMP		
MINIMUM <u>psi</u>			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB MIRP, safety meeting, Est. circ. m+p 97 sks cont yield 1.13  
Density 15.2, Displace 10.4 BBLs H<sub>2</sub>O, shut in well wash up to pit

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS MIRP (11:00) safety meeting (11:15) Est. circ (1:43) m+p  
97 sks cont (1:43) Displace 10.4 BBLs H<sub>2</sub>O (1:53) shut in well wash up to  
Pit (2:00)

5 bbls to pit

Pump truck <sup>(oil timer)</sup> broke down; delay of job.

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 KANSAS CORPORATION COMMISSION

OCT 22 2008

CONSERVATION DIVISION  
 WICHITA, KS

Scott Miller  
 AUTHORIZATION TO PROCEED

driller  
 TITLE

8-25-08  
 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: 303-298-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwest.net

INVOICE # 7888  
 LOCATION  Hwy 36 St. Francis  
 FOREMAN Eric, Tony, Matt

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-28-08	Zweygardt 21-32.8	2	35	41 W	Cherokee	
CHARGE TO <u>Excell Services</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Greg</u>			
CITY			CONTRACTOR <u>Ag 17</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>60</u>			
TIME ARRIVED ON LOCATION <u>7:30</u>			TIME LEFT LOCATION			

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OCT 22 2008

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>6 7/8</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED CONSERVATION DIVISION WICHITA, KS	
TOTAL DEPTH <u>1667</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>P80 1600</u>	TUBING WEIGHT	OPEN HOLE	STRANG		
CASING SIZE <u>4.5</u>	TUBING CONDITION	TREATMENT VIA	TUBING		
CASING DEPTH <u>1633</u>			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	
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 HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB: MT RP, Safety Meeting, 30 BBL mud flush, M<sup>1</sup> P<sup>1</sup> 38 skt cement yield 2.64 Density 12, M<sup>1</sup> P<sup>1</sup> 56 skt cement yield 1.83 Density 12.8. Drop Plug, Displace 24.8 BBLs H<sub>2</sub>O, Set Plug @ 1400-1500 psi

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS: MIRP (7:50) Safety Meeting (8:21) 30 BBL mud flush (8:22) M<sup>1</sup> P<sup>1</sup> 38 skt cement (8:25) M<sup>1</sup> P<sup>1</sup> 56 skt cement (8:32) Drop Plug (8:42) Displace 24.8 BBLs H<sub>2</sub>O (8:46) Set Plug @ 1400-1500 psi - 9:04

Time Away	Arr
8:49	10 300
8:56	20 400
9:03	24.8 1500

Bottom Hammer union on manifold started to leak at 600 psi. Shut Down Hammered up finished job. manifold & Head going to shop for repairs.

[Signature] AUTHORIZATION TO PROCEED  
 TITLE \_\_\_\_\_ DATE 8-28-08

Customers hereby acknowledge and specifically agree 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.