

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

ORIGINAL

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>1/28/2008</u>	<u>1/31/2008</u>	<u>1/31/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20872-0000
County: Cheyenne
SE SE Sec. 34 Twp. 3 S. R. 41 East West
500' feet from (S) N (circle one) Line of Section
330' feet from (E) W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
(circle one) NE (SE) NW SW
Lease Name: Zwegardt Well #: 44-34
Field Name: Cherry Creek
Producing Formation: Niobrara
Elevation: Ground: 3427' Kelly Bushing: 3437'
Total Depth: 1506' Plug Back Total Depth: n/a
Amount of Surface Pipe Set and Cemented at 211' cmt w/77 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 _____ sx cmt.

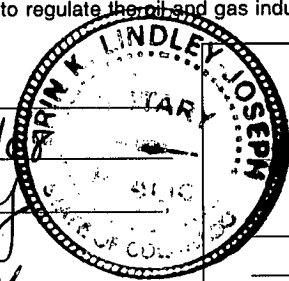
Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)
Chloride content _____ ppm Fluid volume _____ bbls
Dewatering method used _____
Location of fluid disposal if hauled offsite:
Operator Name: _____
Lease Name: _____ License No.: _____
Quarter _____ Sec. _____ Twp. _____ S. R.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

PA - Dry 9/8/08

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: 5/20/08
Subscribed and sworn to before me this 20 day of May
2008
Notary Public: Frank Lindley Joseph
Date Commission Expires: My Commission Expires Aug. 20, 2008



KCC Office Use ONLY

Letter of Confidentiality Received

Wireline Log Received

Geologist Report Received

UIC Distribution

RECEIVED
KANSAS CORPORATION COMMISSION
JUN 04 2008
CONSERVATION DIVISION
WICHITA, KS

Operator Name: Noble Energy, Inc. Lease Name: Zweygart Well #: 44-34
 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: Triple Combo (DEN/NEU/IND)	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name <u>Niobrara</u> Top <u>1268'</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.	211'	50/50 POZ	77 sx	3% CaCl, .25% Flo-cel

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 checked="" type="checkbox"/> Plug Off Zone	Surface-1250'	Type III, 50/50 POZ	80 sx	2% Gel, 1% CFL-80

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
n/a	n/a	n/a	

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. <u>n/a due to P&A well</u>		Producing Method <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
	0	0	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 _____



Casing & Cement

For String: Surface

Well Name: ZWEYGARDT 44-34

Casing Detail:							
Casing Description	Run Date	Set Depth (ftKB)	Cut Pull Date	Depth Cut Pull (ftKB)	Wellbore	Centralizers	Scratchers
Surface	1/28/2008 09:15	211.0			Original Hole	1	

Casing Components

Joints	Item Description	Icon	OD Nominal (in)	ID (in)	WT (lbs/ft)	Grade	Top Thread	Length (ft)	Top (ftKB)	Bottom (ftKB)
9	Casing Joints	Casing (black)	7	6.538	17.00	H-40		202.00	9.0	211.0

Cementing Job Details:

Description	Type	String	Wellbore
Surface Casing Cement	casing	Surface, 211.0ftKB	Original Hole
Cementing Start Date	Cementing End Date		Cementing Company
1/28/2008 11:00	1/28/2008 11:15		BISON CEMENT

Comment
Cmnt w/(77) sxs of 50/50 POZ, 3% CaCl, .25% Flo-cele, 1.13 yield, 15.2 density; Circ (4) bbls to pit

Cement Stage#1 Description:

Float Failed?	Plug Failed?	Full Return?	Pipe Reciprocated?	Pressure Held (psi)
Stage Number	1	Top (ftKB)	Bottom (ftKB)	Cement Volume Return (bbl)
		9.0	211.0	
Top Plug?	Bottom Plug?	Initial Pump Rate (bbl/min)	Final Pump Rate (bbl/min)	
Average Pump Rate (bbl/min)	Final Pump Pressure (psi)	Plug Bump Pressure (psi)	Pressure Release Date	

Comment

Cement Fluids

Tail			
Fluid Type	Estimated Top (ftKB)	Estimated Bottom (ftKB)	Amount (sacks)
Tail	9.0	211.0	
Class	Density (lb/gal)	Yield (ft ³ /sack)	Volume Pumped (bbl)
50/50 POZ	15.20	1.13	
Excess (%)	Comment		

Cement Fluid Additives

Add	Amount	Amount Units	Conc Unit	Conc	Type

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KANSAS CORPORATION COMMISSION

JUN 04 2008

CONSERVATION DIVISION
WICHITA, KS

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 # 6872
 LOCATION CR9
 FOREMAN PAT HOWE
CHANCELL
REASON

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-31-08	ZUCY6ADT-44-34				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>11:15 PM</u>	TIME LEFT LOCATION <u>3:15</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 1/2</u>	<u>6 1/2</u>	<u>6 1/2</u>		
TOTAL DEPTH <u>1750</u>	TUBING DEPTH <u>750'</u>	SHOTS/FT <u>60</u>	SURFACE PIPE ANNULUS LONG	
TOP PLUG <u>950</u>	TUBING WEIGHT <u>450</u>	OPEN HOLE <u>SURFACE</u>	STRING	
CASING SIZE	TUBING CONDITION		TUBING	
CASING DEPTH		TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION			<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 checked="" type="checkbox"/> OTHER <u>PTA</u>	HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY		PRESSURE SUMMARY		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 MFRU, SAT meeting, mfp 35515 cement 13.8 density 1.83 YIELD
DISPLACE 20 BBL 1470 BOTTOM OF PLUG AT 1250' TO TOP OF PLUG AT 950', mfp 35515 cement 13.8 density
1.83 YIELD DISPLACE 20 BBL 1470 BOTTOM OF PLUG AT 750' TO TOP OF PLUG AT 450' mfp 10515 cement
13.8 density 1.83 YIELD DISPLACE 25 BBL 1470 BOTTOM OF PLUG 60' TO TOP OF PLUG SURFACE
WASH UP, RIG DOWN

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS MFRU 17:30 SAT 1:15 OCEM 1:25 DIS 1:30
OCEM 1:40 DIS 1:47 OCEM 2:35 DIS 2:37

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 KANSAS CORPORATION COMMISSION

JUN 04 2008

CONSERVATION DIVISION
 WICHITA, KS

[Signature]

AUTHORIZATION TO PROCEED

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.