

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

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. _____

<u>6/1/2008</u>	<u>6/2/2008</u>	<u>7/10/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 023-20843-0000
County: Cheyenne
NE SW Sec. 31 Twp. 3 S. R. 41 East West
1470' feet from (S) / N (circle one) Line of Section
1645' 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 #: 23-31
Field Name: Cherry Creek

Producing Formation: Niobrara
Elevation: Ground: 3641' Kelly Bushing: 3647'
Total Depth: 1685' Plug Back Total Depth: 1634'
Amount of Surface Pipe Set and Cemented at 317' cmt w/ 123 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.

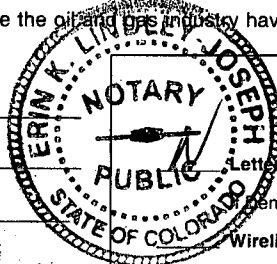
Drilling Fluid Management Plan Ait 1 NCR 8-20-08
(Data must be collected from the Reserve Pit)

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: 8/12/08
Subscribed and sworn to before me this 12th day of August
20 08
Notary Public: Erin K. Lindley Joseph
Date Commission Expires: My Commission Expires Aug. 20, 2008



KCC Office Use ONLY
 Letters of Confidentiality Received
 Denied, Yes No Date: _____
 Wireline Log Received
 Geologist Report Received
 UIC Distribution
RECEIVED
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AUG 13 2008

Operator Name: Noble Energy, Inc. Lease Name: Zweygardt Well #: 23-31
 Sec. 31 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 (Attach Additional Sheets) 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 (Submit Copy) List All E. Logs Run: Triple Combo (DEN/NEU/IND), CBL/CCL/GR	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum Niobrara 1472'
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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.	317'	50/50 POZ	123 sx	3% CaCl, .25% Flo-cele
Production	6 1/4"	4 1/2"	11.6 Lbs./Ft.	1678'	Lead Type III	38 sx	12% Gel, 2% CaCl, .25% Polyfate
					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 (Amount and Kind of Material Used)	Depth
3 spf	Perf Niobrara interval from 1472'-1510'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(36', 3spf, 114 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 31,964 gals 25% CO2 foamed	
		gel carrying 100,020 lbs 16/30 sand. ATP-643 psi; ATR-13.4 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. <u>7/21/2008</u>	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u> Gas Mcf <u>107</u> Water Bbls. <u>0</u> Gas-Oil Ratio <u>0</u> 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) _____

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 # 7666
 LOCATION C.R. 5 KS.
 FOREMAN Eric, Allison

TREATMENT REPORT

DATE <u>6-1-08</u>	WELL NAME <u>Zweygardt 23-31</u>	SECTION	TWP	RGE	COUNTY <u>Cheyenne</u>	FORMATION
CHARGE TO <u>Excell Services</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>mark</u>			
CITY			CONTRACTOR <u>Excell Rig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>70 miles</u>			
TIME ARRIVED ON LOCATION <u>2:00 Requested 2:00</u>			TIME LEFT LOCATION			

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>323</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>312</u>			TYPE OF TREATMENT	
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 psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT psi	15 MIN SIP 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 MIRP, Safety meeting, Est circ, m+p 123 sks cmt yield
1.13 Density 15.2, Displace 12 BBls H₂O, shut in well wash up
to pit

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS MIRP (2:30) Safety meeting (3:50) Est circ (4:05)
m+p 123 sks cmt (4:08) Displace 12 BBls H₂O (4:13) shut in
well wash up to pit (4:19)

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CONSERVATION DIVISION
 WICHITA, KS

8 BBls to pit

AUTHORIZATION TO PROCEED

TITLE

DATE

Mark

Rash

6-1-08

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-286-3010
 Fax: 303-298-8143
 E-mail: bisonoil1@qwest.net

VOICE # 7601
 LOCATION Zweygardt 23-31
 FOREMAN Jose Whitley

TREATMENT REPORT

DATE <u>6/2/08</u>	WELL NAME <u>Zweygardt 23-31</u>	SECTION	TWP	RGE	COUNTY <u>Cherokee</u>	FORMATION
CHARGE TO <u>Excel Services</u>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excel Rig # 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>70 miles</u>			
TIME ARRIVED ON LOCATION <u>3:00 Request 2:30</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS		
ROLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
<u>6 1/2</u>					
TOTAL DEPTH <u>1685</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>P/B 1634</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1677</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>11.6</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 MIRU, safety meeting, Est. Circu, Pump 20 BBS Mud Flush
H/P 38 SKS lead yield 2.64 Density 10.0, H/P 56 SKS Tail yield 1.83
Density 13.8, Drop plug, Displace BBS Kcl water,
Set Plug between 1300 & 1500 PSI, wash up to pit

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS (3:00) MIRU (3:55) safety meeting, (4:00) Est. Circu, Pump 30 BBS
Mud Flush, (4:05) H/P 35 SKS lead, (4:10) H/P 56 SKS Tail, (4:15) Drop plug
(4:18) Displace 35 BBS Kcl water,
(4:23) 10 Away 250 PSI
(4:26) 20 Away 500 PSI
(4:30) Set Plug @ 1500 PSI

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 AUG 13 2008
 CONSERVATION DIVISION
 WICHITA, KS

6-2-08

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.