

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>5/25/2008</u>	<u>5/26/2008</u>	<u>7/14/2008</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 181-20523-0000

County: Sherman

 - NW SE Sec. 4 Twp. 6 S. R. 40 ☐ East ☒ West

1,980' feet from S N (circle one) Line of Section

1,980' feet from E W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE SE NW SW

Lease Name: Hotovec Well #: 33-4

Field Name: Prairie Star

Producing Formation: Niobrara

Elevation: Ground: 3596' Kelly Bushing: 3602'

Total Depth: 1561' Plug Back Total Depth: 1486'

Amount of Surface Pipe Set and Cemented at 359' cmt w/ 140 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
(Data must be collected from the Reserve Pit)

A11 I NR
10-14-08

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

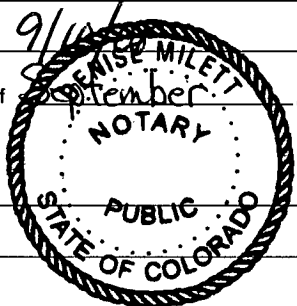
Title: Permit Representative Date: 9/11/08

Subscribed and sworn to before me this 10th day of September

2008

Notary Public: Devin Milet

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

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KANSAS CORPORATION COMMISSION

SEP 11 2008

CONSERVATION DIVISION
WICHITA, KS

My Commission Expires 11/09/2008

Operator Name: Noble Energy, Inc. Lease Name: Hotovec Well #: 33-4
 Sec. 4 Twp. 6 S. R. 40 ☐ East ☒ West County: Sherman

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)

List All E. Logs Run:

☒ Log Formation (Top), Depth and Datum ☐ Sample
 Name Top Datum
 Niobrara 1400'

Triple Combo (DEN/NEU/IND), CBL/CCL/GR

CASING RECORD ☒ New ☐ 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.	359'	50/50 POZ	140 sx	3% CaCl, .25% Flo-cel
Production	6 1/4"	4 1/2"	11.6 Lbs./Ft.	1529'	Lead Type III	32 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
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ 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 1400'-1419'	Niobrara frac'd with 500 gals 7.5% HCL acid, 12,000 gals of	
	(19', 3spf, 57 holes) .41" EHD, 120 degree phase	25% CO2 foamed gel pad; 22,202 gals 25% CO2 foamed	
		gel carrying 65,040 lbs 16/30 sand. ATP- 871 psi; ATR- 13.0 bpm.	

TUBING RECORD		Size	Set At	Packer At	Liner Run	☐ Yes ☒ No	
Date of First, Resumerd Production, SWD or Enhr.			Producing Method				
Estimated Production Per 24 Hours			Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

Disposition of Gas METHOD OF COMPLETION

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, Submit ACO-18.)

☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
☐ Other (Specify) _____

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 # 7636
 LOCATION Sherman KS
 FOREMAN STANLEY R. STIMPSON
Allen
Green

TREATMENT REPORT

DATE <u>5-25-08</u>	WELL NAME <u>HOTQUEE 32-4</u>	SECTION	TWP	RGE	COUNTY <u>Sherman</u>	FORMATION
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>7:40</u>		TIME LEFT LOCATION <u>6:20</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 3/8</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>364</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>352</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>17"</u>	PACKER DEPTH		☒ SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			☐ PRODUCTION CASING		INITIAL BPM
			☐ SQUEEZE CEMENT		FINAL BPM
			☐ ACID BREAKDOWN		MINIMUM BPM
			☐ ACID STIMULATION		MAXIMUM BPM
			☐ ACID SPOTTING		AVERAGE BPM
			☐ MISC PUMP		
			☐ OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING - psi	AVERAGE	psi	
FINAL DISPLACEMENT	15 MIN SIP	psi	
ANNULUS	5 MIN SIP	psi	
MAXIMUM	15 MIN SIP	psi	
MINIMUM		psi	

INSTRUCTIONS PRIOR TO JOB MRU SAFTY meeting EST-CIRC
MRP 140 SLS 50/70 POZ 2800 CAT 25% BBFLAH
Displace 13 BBLS 1120 SHUT IN WELL WASH UP PROPIT Rig down

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS MRU-3142 SAFTY-5:25
CEM CAT-5:31 Displace 5:39
BBLS 10817-13
SHUT IN WELL-5:44

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SEP 11 2008

CONSERVATION DIVISION
 WICHITA, KS

[Signature]
 AUTHORIZATION TO PROCEED

[Signature]
 TITLE

5-25-08
 DATE

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 # 7638
LOCATION KS
FOREMAN STANLEY R. STANLEY
Allen
George

TREATMENT REPORT

DATE 5-26-08	WELL NAME HOTONEC 37-4	SECTION	TWP	RGE	COUNTY Sherman	FORMATION
CHARGE TO EXCELL		OWNER				
MAILING ADDRESS		OPERATOR NEIL				
CITY		CONTRACTOR EXCELL R/S				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 12:30		TIME LEFT LOCATION 2:00				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 6 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 1561	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 4 1/2	TUBING CONDITION		TUBING		
CASING DEPTH 1527		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 11.6	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION Good	PTD 1486		[X] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] OTHER		HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB **MIRU SAFETY MEETING EST-CIRC 20 BBIS mud/FLUSH**
m-132 sks 50/50 PZ 12% BBIS 2% BCCA 1.25% STFLA-1
m-156 sks 50/50 PZ 2% BBIS 1% BCCA 1.25% STFLA-1
Drop Plug Displace 23/BBIS 420 39T Plug 1400 to 1500 PSI
CHECK FLOAT & shoe washup to pit Rig down

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS **MIRU 12:32 SAFETY 12:50 mud/FLUSH 100**
Lead cement 1:08 Tail cement 1:13
Drop Plug 1:19 Displace 1:22
1:25 10 200
1:28 20 500
1:31 39T Plug 1500

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CONSERVATION DIVISION
WICHITA, KS

[Signature]

AUTHORIZATION TO PROCEED

TITLE

DATE

5-23-08

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.