



KANSAS CORPORATION COMMISSION 1059049  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33190  
Name: Noble Energy, Inc.  
Address 1: 1625 Broadway, Ste 2200  
Address 2: \_\_\_\_\_  
City: DENVER State: CO Zip: 80202 + \_\_\_\_\_  
Contact Person: Cheryl Johnson  
Phone: ( 303 ) 228-4437  
CONTRACTOR: License # 8273  
Name: Excell Services, LLC  
Wellsite Geologist: NA  
Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW
- Gas     D&A     ENHR     SIGW
- OG     GSW     Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic     Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

Deepening     Re-perf.     Conv. to ENHR     Conv. to SWD

Conv. to GSW

Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_

Commingled    Permit #: \_\_\_\_\_

Dual Completion    Permit #: \_\_\_\_\_

SWD    Permit #: \_\_\_\_\_

ENHR    Permit #: \_\_\_\_\_

GSW    Permit #: \_\_\_\_\_

<u>03/02/2011</u>	<u>03/03/2011</u>	<u>04/21/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-023-21291-00-00

Spot Description: \_\_\_\_\_  
NW NW SW SE Sec. 33 Twp. 5 S. R. 39  East  West  
1250 Feet from  North /  South Line of Section  
2500 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Cheyenne  
Lease Name: Duell Trusts Well #: 34-33  
Field Name: \_\_\_\_\_

Producing Formation: Niobrara

Elevation: Ground: 3586 Kelly Bushing: 3592

Total Depth: 1564 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 399 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: 0 ppm Fluid volume: 0 bbls

Dewatering method used: Evaporated

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

I am the affiant and I hereby certify that 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.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: Dorina Gombor Date: 07/07/2011



1059049

Operator Name: Noble Energy, Inc. Lease Name: Duell Trusts Well #: 34-33  
 Sec. 33 Twp. 5 S. R. 39  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 complete copy of all Electric Wire-line 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 Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:  Triple Combo CBL/CCL/GR	<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</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Niobrara</td> <td>1326</td> <td></td> </tr> </table>	Name	Top	Datum	Niobrara	1326	
Name	Top	Datum					
Niobrara	1326						

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	9.875	7	17	399	50/50 POZ	175	3% CaCl 2% gel
Production	6.25	4.5	11.6	1527	50/50 POZ	95	12% gel 2% CaCl

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 <i>(Amount and Kind of Material Used)</i>	Depth
3	1326-1352 perf intervals	500 bbls 7.5% HCL acid; 114 bbls MAV-100 gelled water pad;	
	(26' 78 holes) .410 EH 120 Deg	256 bbls MAV-100 gelled water w/49,980# 16/30 Daniels Sand &	
		50,020# 12/20 Daniels Sand; Flush w/8.2 bbls MAV-100 gelled wtr.	

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR. <b>06/01/2011</b>	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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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 <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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# BISON

Bison Oil Well Cementing Inc.  
 1738 Wynkoop St.  
 Suite 102  
 Denver, CO 80202  
 303-296-3010

## Invoice

Date	Invoice #
3/2/2011	9879

<b>Bill To</b>
Excel Services, LLC 36629 US HIGHWAY 385 Wray, CO 80758

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne KS	Duell Truss 34-33	Surface Pipe	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1		1,400.00	1,400.00
MILEAGE	Mileage charge	178		3.00	534.00
	Subtotal of Services				1,934.00
Centralizer 7"	Centralizer 7"	1		77.50	77.50
B3-Lite Discount	50/50 Poz (3%) Discount	175	Sack	16.00	2,800.00
				-10.00%	-280.00
	Subtotal of Materials				2,597.50
					4,531.50

Please Remit Invoices To:

Bison Oil Well Cementing, Inc.  
 P.O. Box 29671  
 Thornton, CO 80229

<b>Subtotal</b>	\$4,531.50
<b>Sales Tax (8.3%)</b>	\$215.60
<b>Total</b>	\$4,747.10
<b>Balance Due</b>	\$4,747.10

x 110%  
 \$5,221.81

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-295-3010  
 Fax: 303-295-8143  
 E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9879  
 LOCATION ST Francis KS  
 FOREMAN Justin Crnkic

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TW	HGE	COUNTY	FORMATION
3-2-11	Duell Trusts 34-33	33	55	39W	cheyenne	

CHARGE TO <u>Excell</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Excell Rig 2</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>89</u>
TIME ARRIVED ON LOCATION <u>4:45pm</u>	TIME LEFT LOCATION <u>9:15pm</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>9 7/8"</u>				
TOTAL DEPTH <u>404</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LOSS	
	TUBING WEIGHT	OPEN HOLE	STROB	
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>399</u>	<u>RB359</u>	TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT <u>17</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE *	TREATMENT RATE
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL BPM
			<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM
			<input type="checkbox"/> ACID STIMULATION	MINIMUM BPM
			<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM
			<input type="checkbox"/> MISC PUMP	AVERAGE BPM
			<input type="checkbox"/> OTHER	HTD BPM = RATE X PRESSURE X 60.8

PRESSURE SUMMARY	
BREAKDOWN or CIRCULATING psi	AVERAGE psi
FINAL DISPLACEMENT psi	ISIP psi
ANNULUS psi	5 MIN SP psi
MAXIMUM psi	15 MIN SP psi
REPERFOR psi	

INSTRUCTIONS PRIOR TO JOB MIRU Safety Circ MAP 175 sks of B3Lite Mix 20 bbls of H<sub>2</sub>O 7.8% conc 4.78% yield  
@ 15.2 yield of 113 Droplugs Displace 15 bbls of H<sub>2</sub>O Shutin

Annulus 2647 Capacity 0415

JOB SUMMARY	MIRU	Safety	Circ	MAP	Droplugs	Displace	Shutin
DESCRIPTION OF JOB EVENTS	<u>4:45pm</u>	<u>8:09pm</u>	<u>8:11pm</u>	<u>8:13pm</u>	<u>8:34pm</u>	<u>8:37pm</u>	<u>8:45pm</u>

	<u>8:41</u>	<u>10</u>	<u>250</u>
	<u>8:43</u>	<u>15</u>	<u>200</u>

7 bbls to pit

Justin Crnkic AUTHORIZATION TO PROCEED  
Paul TITLE  
3/2/11 DATE

Customer hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side thereof which include the release and indemnity.



# BISON

Bison Oil Well Cementing Inc.  
 1738 Wynkoop St.  
 Suite 102  
 Denver, CO 80202  
 303-296-3010

## Invoice

Date	Invoice #
3/3/2011	9884

<b>Bill To</b>
Excell Services, LLC 36629 US HIGHWAY 385 Wray, CO 80758

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne KS	Duell Truss-34-33	Longstring	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump-long string	PUMP charge-long string	1		2,000.00	2,000.00
MILEAGE	Mileage charge	174		3.00	522.00
	Subtotal of Services				2,522.00
Centralizer 4 1/2"	Centralizer 4 1/2"	8		42.00	336.00T
Float Shoe 4 1/2"	Float Shoe 4 1/2"	1		285.00	285.00T
LD Plug 4 1/2"	LD Plug & Baffle 4 1/2"	1		253.00	253.00T
N-Gel-12 Discount	Lead 12lb Discount	39	Sack	16.00 -10.00%	624.00T -62.40
B3-Lite Discount	50/50 Poz (3%) Discount	56	Sack	16.00 -10.00%	896.00T -89.60
	Subtotal of Materials				2,242.00
					4,764.00

Please Remit Invoices To:

Bison Oil Well Cementing, Inc.  
 P.O. Box 29671  
 Thornton, CO 80229

<b>Subtotal</b>	\$4,764.00
<b>Sales Tax (8.3%)</b>	\$186.09
<b>Total</b>	\$4,950.09
<b>Balance Due</b>	\$4,950.09

x 110%  
 \$5,445.10

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-296-8133  
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 9884  
 LOCATION St Francis Ks  
 FOREMAN Justin Crislow

## TREATMENT REPORT

DATE <b>3-3-11</b>	WELL NAME <b>Duell Trusts 34-33</b>	SECTION <b>33</b>	TWP <b>5S</b>	R1E <b>39 W</b>	COUNTY <b>Cheyenne</b>	FORMATION
CHARGE TO <b>Excell</b>		OPERATION				
MAILING ADDRESS		CONTRACTOR <b>Excell Rig 2</b>				
CITY		DISTANCE TO LOCATION <b>87</b>				
STATE ZIP CODE		TIME LEFT LOCATION <b>5:45pm</b>				
TIME ARRIVED ON LOCATION <b>3:00pm</b>		Reg <b>4:00pm</b>		PRESSURE LIMITATIONS		

WELL DATA			THEORETICAL		INSTRUCTED
HOLE SIZE <b>6 1/4"</b>	TUBING SIZE	PERFORATIONS	SURFACE PIPE ANNULUS LONG		
TOTAL DEPTH <b>1564</b>	TUBING DEPTH	SHOTS/FT	STRING		
	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE <b>4 1/2"</b>	TUBING CONDITION		TYPE OF TREATMENT		TREATMENT RATE
CASING DEPTH <b>1527</b>	<b>FB 1487</b>	TREATMENT V/A	<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING WEIGHT <b>116</b>	PACKER DEPTH		<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
CASING CONDITION <b>good</b>			<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 HP = RATE X PRESSURE X 0.14	

### PRESSURE SUMMARY

BREAKDOWN OF CIRCULATING	PSI	AVERAGE	PSI
FINAL DISPLACEMENT	PSI	ISIP	PSI
ANNULUS	PSI	5 MIN SP	PSI
MAXIMUM	PSI	15 MIN SP	PSI
MINIMUM	PSI		

INSTRUCTIONS PRIOR TO JOB **MIRU Safety Circ @ MHP 37 sks of N-901-12 1/2 yield of 2.64 Mix 14.5 lbs of H<sub>2</sub>O/H<sub>2</sub>O**  
**Req. 15.6 gal/sks @ 12.0 lbs @ MHP 56 sks - FBG Lite Yield 1.35 Mix 13 lbs of H<sub>2</sub>O/H<sub>2</sub>O Reg. 97 gal/sks @ 13.8 lbs**  
**Drop Plug - Displace 25 bbls of H<sub>2</sub>O**

**Annulus 1026 Capacity 10155**

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS **MIRU Safety Circ @ MHP @ MHP @ MHP @ MHP @ MHP @ MHP @ MHP**  
**3:00pm 4:44pm 4:48pm 4:50pm 5:00pm 5:08pm 5:12pm 5:24pm**

Displace  
**5:16am 10 200**  
**5:19am 20 400**  
**5:21am 23 1100**

**3 bbls to P4**

*Justin Crislow*  
 AUTHORIZATION TO PROCEED

*Justin Crislow*  
 FIELD REP  
 TITLE

**3-3-11**  
 DATE

Customer 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.



KL: 6 Ft

Casing: 7 inch

Well Name: Duell Trusts 34-33

Location: Sec 33, 5S, 39W, Cheyenne Co.

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	W/ Grade	Description
	0.00	0.00			17	
1	39.64	39.64	-399.23	-359.59		Centralizer
2	43.62	83.26	-359.59	-315.97		
3	44.37	127.63	-315.97	-271.60		
4	44.48	172.11	-271.60	-227.12		
5	43.79	215.90	-227.12	-183.33		
6	44.30	260.20	-183.33	-139.03		
7	44.20	304.40	-139.03	-94.83		
8	44.40	348.80	-94.83	-50.43		
9	44.43	393.23	-50.43	-6.00		
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28						
29						
30						
31						
TOTAL	393.23					

# Jts Ran 9  
Meas. 393.23  
Set @ 399.23  
Aprox TD @ 404  
Threads On 395.01



KB-GL: 6 Ft

Casing: 4.5" 11.6 # J-55

Well Name: Duell Trusts 34-33

Location: Sec 33, 5S, 39W, Cheyenne Co. KS

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of J)	Depth KB, Ft (top of J)	WV Grade	Description
	0.92	0.92	-1527.20	-1528.28		AFU SHOE
1	42.06	42.88	-1526.28	-1484.22	11.6#J-65	Centralizer & Latch
2	42.08	85.06	-1484.22	-1442.14		Centralizer
3	42.17	127.23	-1442.14	-1399.97		Centralizer
4	42.09	169.32	-1399.97	-1357.88		Centralizer
5	42.12	211.44	-1357.88	-1315.78		Centralizer
6	26.85	237.29	-1315.78	-1289.91		Centralizer
7	42.14	279.43	-1289.91	-1247.77		Centralizer
8	42.28	321.71	-1247.77	-1205.49		Centralizer
9	42.19	363.90	-1205.49	-1163.30		
10	42.16	406.06	-1163.30	-1121.14		
11	42.12	448.18	-1121.14	-1079.02		
12	42.14	490.32	-1079.02	-1036.88		
13	42.16	532.47	-1036.88	-994.73		
14	41.93	574.40	-994.73	-952.60		
15	42.05	616.45	-952.60	-910.75		
16	42.17	658.62	-910.75	-868.58		
17	42.17	700.79	-868.58	-826.41		
18	42.16	742.95	-826.41	-784.25		
18	45.25	788.20	-784.25	-739.00		
20	42.12	830.32	-739.00	-698.88		
21	33.74	864.06	-698.88	-653.14		
22	41.98	906.04	-653.14	-621.16		
23	35.20	941.24	-621.16	-585.98		
24	45.19	986.43	-585.98	-540.77		
25	43.60	1029.93	-540.77	-497.27		
26	42.44	1072.37	-497.27	-454.83		
27	37.07	1109.44	-454.83	-417.78		
28	43.33	1152.77	-417.78	-374.43		
29	35.60	1188.37	-374.43	-338.83		
30	42.02	1230.39	-338.83	-298.81		
31	40.19	1270.58	-298.81	-258.62		
32	43.63	1314.21	-258.62	-212.99		
33	42.61	1356.82	-212.99	-170.38		
34	42.03	1398.85	-170.38	-128.35		
35	43.07	1441.92	-128.35	-85.28		
36	37.08	1479.00	-85.28	-48.20		
37	42.20	1521.20	-48.20	-8.00		
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83						
84						
85						
TOTAL		1521.20				

JTs Ran 37  
 Meas w/shoe 1521.20  
 Set @ 1527.20  
 PBTD @ 1484.22  
 Threads On 1528.37