



KANSAS CORPORATION COMMISSION 1058998  
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  SLOW  
 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 #:

02/20/2011 02/21/2011 05/11/2011  
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-181-20576-00-00

Spot Description:

NW NE NE NE Sec. 6 Twp. 6 S. R. 39  East  West  
200 Feet from  North /  South Line of Section  
450 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE  NW  SE  SW

County: Sherman

Lease Name: Bucholtz Well #: 41-6

Field Name:

Producing Formation: Niobrara

Elevation: Ground: 3594 Kelly Bushing: 3600

Total Depth: 1566 Plug Back Total Depth:

Amount of Surface Pipe Set and Cemented at: 401 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: Deanna Garrisor Date: 07/06/2011



1058998

Operator Name: Noble Energy, Inc. Lease Name: Bucholtz Well #: 41-6  
 Sec. 6 Twp. 6 S. R. 39  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 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  Name Top Datum Niobrara 1335
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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	9.8750	7	17	401	50/50 POZ	184	3% CaCl 2% Gel
Production	6.25	4.5	11.6	1564	50/50 POZ	96	12%gel 2% CaCl

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	Perf Intervals 1334-1364	500 gal 7.5% HCL acid; 114 bbls MAV-100 gelled water	
	(30' 90 holes) .410 EH 120 Deg	pad; 256 bbls MAV-100 gelled water w/50,040# 16/30	
		Daniels Sand & 31,500# 12/20 Daniels Sand; Flush	
		w/8.3 bbls MAV-100 Gelled water.	

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____		Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No	
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. 0	Gas Mcf 75	Water Bbls. 0
		Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <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) _____	<b>PRODUCTION INTERVAL:</b> _____ _____
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# BISON

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

## Invoice

PC  
Armed

Date	Invoice #
2/20/2011	9455

Bill To
Excell Services, LLC 36629 US HIGHWAY 385 Wray, CO 80758

Location	Well Name & No.	Terms	Rig
Sherman, KS	Bucholtz 41-6	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	174		3.00	522.00
Subtotal of Services					1,922.00
Centralizer 7"	Centralizer 7"	1		77.50	77.50T
B3-Lite	50/50 Poz (3%)	184	Sack	16.00	2,944.00T
Discount	Discount			-294.40	-294.40
Subtotal of Materials					2,727.10
					4,649.10

Please Remit Invoices To:

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

Subtotal	\$4,649.10
Sales Tax (8.55%)	\$242.95
<b>Total</b>	<b>\$4,892.05</b>
Balance Due	\$4,892.05

x 110%  
 \$5,381.26

RECEIVED  
 FEB 28 2011

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-296-8143  
 E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9455  
 LOCATION St Francis  
 FOREMAN Ready Nester

## TREATMENT REPORT

DATE <u>3-20-11</u>	WELL NAME <u>Bacholte 41-6</u>	SECTION <u>4</u>	TWP <u>6S</u>	RGE <u>39W</u>	COUNTY <u>Stroman</u>	FORMATION
CHANGE TO <u>Excell</u>			OWNER <u>LOSK</u>			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excell Rig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>87m</u>			
TIME ARRIVED ON LOCATION <u>7:00pm</u>			TIME LEFT LOCATION <u>11:15pm</u>			

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>9 5/8"</u>				
TOTAL DEPTH <u>480'</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE APPARATUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>400'</u>	PLUG <u>360'</u>	TREATMENT VIA	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	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 MP = RATE X PRESSURE X 2.08

INSTRUCTIONS PRIOR TO JOB miru 5m live 450lb fresh water ahead into 184 sks of B3-1.7c at 15.2, 16.5, 17.5 water log at 4.78 gal/sk 21 bbls max yield 11.5 cut 1 sk Drip plug Displace w/ 150 bbls water roughly 12.47 gal/sk

Amount of sks as per Mark Ziem Toolpusher

JOB SUMMARY	DESCRIPTION OF JOB EVENTS	MIRU 5m	LIVE	miru	Drip plug	Displace
		10:35	10:38	10:50	10:52	
	Shut in					10:52 to 100
	11:00pm					10:58 15 200

8 bbls cement to pit

Ready Nester TITLE: Push DATE: 2/20/11  
 AUTHORIZATION TO PROCEED

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.

*Draw*

# Invoice



# BISON

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

Date	Invoice #
2/21/2011	9870

Bill To
Excell Services, LLC 36029 US HIGHWAY 385 Wray, CO 80758

Item	Description	Qty	U/M	Rate	Amount
				Net 30	
				Shennan KS	Bucholtz 41-6
Pump-Long string	PUMP charge-long string	1		2,000.00	2,000.00
MILEAGE	Milage charge	174		3.00	522.00
	Subtotal of Services				2,522.00
Centralizer 4 1/2"	Centralizer 4 1/2"	8		42.00	336.00
Float Shoe 4 1/2"	Float Shoe 4 1/2"	1		285.00	285.00
LD Plug -4 1/2"	LD Plug -4 1/2"	1		253.00	253.00
N-Gel-12	Lead 12lb	41	Sack	16.00	656.00
Discount	Discount			-65.60	-65.60
BG-Lite	Tail 13.8 lb/gal 50/50 Poz	56	Sack	16.00	896.00
Discount	Discount			-89.60	-89.60
	Subtotal of Materials				2,270.80
					4,792.80

Please Remit Invoices To:

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

Subtotal	\$4,792.80
Sales Tax (8.55%)	\$201.55
<b>Total</b>	<b>\$4,994.35</b>
Balance Due	\$4,994.35

X 110%

\$ 5,493.79

RECEIVED  
MAR 03 2011

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-296-8143  
 E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9870  
 LOCATION St Francis  
 FOREMAN \_\_\_\_\_

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2/21/11	Bucholtz 41-6	6	6	39	Sheridan	
CHARGE TO <u>EXCELL</u>				OWNER		
MAILING ADDRESS				OPERATOR		
CITY				CONTRACTOR <u>EXCELL Rig 2</u>		
STATE ZIP CODE				DISTANCE TO LOCATION <u>8.7 miles</u>		
TIME ARRIVED (D) LOCATION <u>6:00</u>				TIME LEFT LOCATION <u>9:00 pm</u>		

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
<u>6 1/4</u>					
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULLUS LONG		
<u>1566</u>					
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
<u>4 1/2</u>			<input type="checkbox"/> SURFACE PIPE <input checked="" type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		BREAKDOWN BPM INITIAL BPM FINAL BPM MAXIMUM BPM AVERAGE BPM NTPD BPM = RATE X PRESSURE X 40.8
CASING DEPTH	PACKER DEPTH				
<u>1550</u>					
CASING WEIGHT					
<u>11.6</u>					
CASING CONDITION					
<u>good</u>					

PRESSURE SUMMARY		
BREAKDOWN OF CIRCULATING	AVERAGE	psi
FINAL DISPLACEMENT	15IP	psi
ANNULLUS	5 MIN SIP	psi
MAXIMUM	15 MIN SIP	psi
MINIMUM		psi

INSTRUCTIONS PRIOR TO JOB MVP 41 stks U-bol-12 and 30 stks B6-Lite Displ. 23.5 bbls of fresh H<sub>2</sub>O

20% excess on lead Per Sam Charters

JOB SUMMARY						
DESCRIPTION OF JOB EVENTS						
MIRU	Safety	Circ	MVP	Deep plug	Displ	
6:30	7:40	7:57	8:10	8:21	300psi 0	8:25
					300psi 10	8:28
					500psi 20	8:33
					1300psi 23.5	8:50 p.m.

9 bbl to pit

Sam Charters Field Rep 2-21-11  
 AUTHORIZATION TO PROCEED TITLE DATE

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.



KB L: 6 Ft

Casing: 7 inch

Well Name: Bucholtz 41-6 | Location: Sec 6, 6S, 39W, Sherman Co. K

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	Wt/ Grade	Description
	0.00	0.00			17	
1	43.75	43.75	-400.86	-357.11		Centralizer
2	44.57	88.32	-357.11	-312.54		
3	44.45	132.77	-312.54	-268.09		
4	44.86	177.63	-268.09	-223.23		
5	43.17	220.80	-223.23	-180.06		
6	41.61	262.41	-180.06	-138.45		
7	43.59	306.00	-138.45	-94.86		
8	44.09	350.09	-94.86	-50.77		
9	44.77	394.86	-50.77	-6.00		
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30						
31						
TOTAL	394.86					

# Jts Ran 9  
 Meas 394.86  
 Set @ 400.86  
 Aprox TD @ 406  
 Threads On 396.64



KB-GL: 6 Ft

Casing: 4.5, 11.6 #J-55

Well Name: Bucholtz 41-6 Location: Sec 6, 6S, 39W, Sherman Co. KS

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	WV Grade	Description
	0.92	0.92	-1563.70	-1562.78		AFU SHOE
1	45.53	46.45	-1562.78	-1517.25	-11.6#J-55	Centralizer & Latch
2	45.67	92.12	-1517.25	-1471.58		Centralizer
3	45.45	137.57	-1471.58	-1426.13		Centralizer
4	45.66	183.13	-1426.13	-1380.57		Centralizer
5	45.57	228.70	-1380.57	-1335.00		Centralizer
6	14.31	243.01	-1335.00	-1320.69		Centralizer
7	46.20	289.21	-1320.69	-1274.49		Centralizer
8	45.50	334.71	-1274.49	-1228.99		Centralizer
9	45.53	380.24	-1228.99	-1183.46		
10	45.56	425.80	-1183.46	-1137.90		
11	45.52	471.32	-1137.90	-1092.38		
12	45.49	516.81	-1092.38	-1046.89		
13	45.51	562.32	-1046.89	-1001.38		
14	45.53	607.85	-1001.38	-955.85		
15	45.85	653.70	-955.85	-910.00		
16	45.82	699.52	-910.00	-864.18		
17	45.55	745.07	-864.18	-818.63		
18	45.77	790.84	-818.63	-772.86		
19	45.58	836.42	-772.86	-727.28		
20	45.48	881.90	-727.28	-681.80		
21	45.53	927.43	-681.80	-636.27		
22	45.54	972.97	-636.27	-590.73		
23	45.50	1018.47	-590.73	-545.23		
24	45.46	1063.93	-545.23	-499.77		
25	45.51	1109.44	-499.77	-454.26		
26	45.55	1154.99	-454.26	-408.71		
27	45.54	1200.53	-408.71	-363.17		
28	45.53	1246.06	-363.17	-317.64		
29	45.31	1291.37	-317.64	-272.33		
30	45.52	1336.89	-272.33	-226.81		
31	45.53	1382.42	-226.81	-181.28		
32	45.49	1427.91	-181.28	-135.79		
33	45.59	1473.50	-135.79	-90.20		
34	42.09	1515.59	-90.20	-48.11		
35	42.11	1557.70	-48.11	-6.00		
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85						
TOTAL		1557.70				

JTs Ran 35  
 Meas w/shoe 1557.70  
 Set @ 1563.70  
 PBTD @ 1517.25  
 Threads On 1564.44