



KANSAS CORPORATION COMMISSION 1059029  
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 #: \_\_\_\_\_

02/23/2011    2/24/2011    05/10/2011  
Spud Date or    Date Reached TD    Completion Date or  
Recompletion Date       Recompletion Date

API No. 15 - 15-181-20578-00-00

Spot Description:  
NE\_NE\_SW\_NE Sec. 6 Twp. 6 S. R. 39  East  West  
1480 Feet from  North /  South Line of Section  
1350 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Sherman

Lease Name: Bucholtz Well #: 32-6

Field Name: \_\_\_\_\_

Producing Formation: Niobrara

Elevation: Ground: 3601 Kelly Bushing: 3607

Total Depth: 1567 Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: 403 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 Gantson Date: 07/06/2011



1059029

Operator Name: Noble Energy, Inc. Lease Name: Bucholtz Well #: 32-6  
 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  <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>1322</td> <td></td> </tr> </table>	Name	Top	Datum	Niobrara	1322	
Name	Top	Datum					
Niobrara	1322						

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	403	50/50 POZ	184	3% CaCl 2% gel
Production	6.25	4.5	11.6	1539	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	Perf interval 1362-1391	500 gal 7.5% HCL acid; 114 bbls MAV-100 gelled water	
	(29' 87 holes) .410 EH 120 Deg	pad; 256 bbls MAV-100 gelled water w/50,040# 16/30	
		Daniels Sand & 50,020 12/20 Daniels Sand;	
		Flush w/8.4 bbls MAV-100 gelled water	

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 <i>(Explain)</i> _____
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Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	73	0		

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 <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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# BISON

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

## Invoice

10  
Bmw

Date	Invoice #
2/23/2011	9876

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

Location		Well Name & No.		Terms	Rig
Sherman KS		Burcholiz 32-6		Net 30	
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge-surface pipe	1		1,400.00	1,400.00
MILEAGE	Milage charge	174		3.00	522.00
	Subtotal of Services			77.50	77.50
Centralizer 7"	Centralizer 7"	184	Sack	16.00	2,944.00
B3-Lite Discount	50/50 Poz.(3%) Discount			-294.40	-294.40
	Subtotal of Materials				4,649.30

Please Remit Invoices To:

Bison Oil Well Cementing, Inc.  
 P.O. Box 29673  
 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

7 110%  
 \$5,381.26

RECEIVED  
 MAR 03 2011

# BISON OIL WELL CEMENTING, INC.



1736 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-296-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 98710  
 LOCATION ST. FRANCIS, KS  
 FOREMAN [Signature]

## TREATMENT REPORT

DATE <u>2-23-11</u>	WELL NAME <u>Bucholtz 32-6</u>	SECTION <u>6</u>	TWP <u>6 S</u>	RGE <u>39 W</u>	COUNTY <u>Sherman</u>	FEDERATION
CHARGE TO <u>Excel</u>	OWNER			OPERATOR		
MAILING ADDRESS	CONTRACTOR <u>Excel Rig 2</u>			DISTANCE TO LOCATION <u>87 miles</u>		
CITY	TIME LEFT LOCATION <u>8:00pm</u>			PRESSURE LIMITATIONS		
STATE ZIP CODE	TIME ARRIVED ON LOCATION <u>6:00pm Reg 7:00pm</u>			INSTRUCTED		

WELL DATA			THEORETICAL		INSTRUCTED	
HOLE SIZE <u>9 7/8</u>	TUBING SIZE	PERFORATIONS	SURFACE PIPE ANNULUS LONG			
TOTAL DEPTH <u>408</u>	TUBING DEPTH	SHOTS/FT	STUING			
CASING SIZE <u>7"</u>	TUBING WEIGHT	OPEN HOLE	TUBING			
CASING DEPTH <u>397</u>	TUBING CONDITION <u>Pb 387</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>17.16</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		
			<input type="checkbox"/> ACID BREAKDOWN	MAXIMUM BPM		
			<input type="checkbox"/> ACID STIMULATION	AVERAGE BPM		
			<input type="checkbox"/> ACID SPOTTING	AVG HPF = RATE X PRESSURE X 408		
			<input type="checkbox"/> MISC PUMP			
			<input type="checkbox"/> OTHER			

**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: M3 EV Safety Circulate M3P 1845K5 of 6-32 lb w/yield 1.13  
 Mix of 2.1 bbls w/water req. of 4.78 gal per sack @ 15.2 lbs drop plug displace w/15 bbls of H<sub>2</sub>O  
 Shut in

Annulus 2647 Capacity .0415  
 JOB SUMMARY: DESCRIPTION OF JOB EVENTS M3P Safety Circ. M3P drop plug displace  
 6:00pm 7:00pm 7:05pm 7:08pm 7:30pm 7:31pm  
 Shut in - 7:39pm

displace  
 200 10 7:34  
 200 15 7:38

bbls to pit ?

[Signature] Push TITLE \_\_\_\_\_ DATE 2/23/11

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.



# BISON

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

## Invoice

*Drum*

Date	Invoice #
2/24/2011	9874

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

Location		Well Name & No.		Terms	Rig
Sherman KS		Bucholtz 32-6		Net 30	
Item	Description	Qty	U/M	Rate	Amount
Pump Charge-O...	Pump Charge-Other	1		2,000.00	2,000.00
MILEAGE	Mileage charge	174		3.00	522.00
	Subtotal of Services				2,522.00
Float Shoe 4 1/2"	Float Shoe 4 1/2"	1		285.00	285.00
LD Plug -4 1/2"	LD Plug & Baffle -4 1/2"	1		253.00	253.00
Centralizer-4 1/2"	Centralizer 4 1/2"	1		42.00	42.00
N-Gel-12 Discount	Lead 12lb Discount	39	Suck	16.00	624.00
BG-Lite Discount	Tail 13.8 lb/gal 50/50 Poz Discount	56	Suck	-62.40	-62.40
	Subtotal of Materials			16.00	896.00
				-89.60	-89.60
					1,948.00
					4,470.00

Please Remit Invoices To:

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

Subtotal	\$4,470.00
Sales Tax (8.55%)	\$174.34
<b>Total</b>	<b>\$4,644.34</b>
Balance Due	\$4,644.34

X 11090  
 \$5108.17

RECEIVED

MAR 08 2011

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
 Denver, Colorado 80202  
 Phone: 303-295-3010  
 Fax: 303-298-8143  
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 9874  
 LOCATION Good land  
 FOREMAN Randy Newton

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
2-24-11	Beechler 32-6	6	65	39W	Sherman	
CHANGE TO	OWNER		Noble			
MAILING ADDRESS	OPERATOR		Excell			
CITY	CONTRACTOR		Excell Nig 2			
STATE ZIP CODE	DISTANCE TO LOCATION		87m			
TIME ARRIVED ON LOCATION	TIME LEFT LOCATION		3:00 p.m.			

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
10 1/4"				
TOTAL DEPTH 1567'	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 4 1/2"	TUBING CONDITION	TREATMENT VIA	TUBING	
CASING DEPTH 1539'	PSTD 1496		TYPE OF TREATMENT	
CASING WEIGHT 11.6	PACKER DEPTH		1 SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION G.O.B.			1 PRODUCTION CASING	INITIAL BPM
			1 SQUEEZE CEMENT	FINAL BPM
			1 ACID BREAKDOWN	MINIMUM BPM
			1 ACID STIMULATION	MAXIMUM BPM
			1 ACID SPOTTING	AVERAGE BPM
			1 HOSC PUMP	
			1 OTHER	

PRESSURE SUMMARY		TREATMENT RATE	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FRIL DISPLACEMENT	psi	ISIP	psi
ANNULUS	psi	5 MVI SIP	psi
MAXIMUM	psi	15 MVI SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB MIRA 5m circ m+p 239 sk of N-Gel-12 @ 126 ppsl water  
 req 15.6 gal per sk 14 BDI mix water yield at 2.45 cu ft per sk m+p 56 sks RT-11 @ 13.8 sk  
 per gal water req 8.9 gal per sk 13 BDI mix water yield of 1.35 cu ft per sk Drop plug Displace w/  
 23.1 BDI H<sub>2</sub>O land plug rig down Annulus .1026 cap .0155  
 20% excess as per Sam Charter Field rep.

JOB SUMMARY	DESCRIPTION OF JOB EVENTS	MIRA	5m	Circ	m+p	m+p	Drop plug
	Dis place	2:00 p.m.	4:00 p.m.	4:11 p.m.	4:14 p.m.	4:21 p.m.	4:26 p.m.
	4:30 p.m.	land plug	rig down				
	4:33 10 300 psl	4:42 p.m.	4:45				
	4:37 20 500 psl						
	4:42 23 1100 psl						

5 BDI cement 4 pvt  
 land plug w/ 1100 psl

S. Clark Field Rep 2-24-11  
 AUTHORIZATION TO PROCEED TITLE 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.



KB: 6 Ft

Casing: 7 inch

Well Name: Bucholtz 32-6

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	Centralizer
1	44.10	44.10	-403.19	-359.09		
2	43.61	87.71	-359.09	-315.48		
3	43.76	131.47	-315.48	-271.72		
4	43.82	175.29	-271.72	-227.90		
5	44.96	220.25	-227.90	-182.94		
6	44.04	264.29	-182.94	-138.90		
7	44.20	308.49	-138.90	-94.70		
8	44.26	352.75	-94.70	-50.44		
9	44.44	397.19	-50.44	-6.00		
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11						
12						
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26						
27						
28						
29						
30						
31						
TOTAL		397.19				

# Jts Ran 9  
 Meas. 397.19  
 Set @ 403.19  
 Aprox ID @ 408  
 Threads On 398.97



KB-GL: 6 Ft

Casing: 4.5" 11.6 #J-55

Well Name: Bucholtz 32-6

Location: Sec 6, 6S, 39W, Sherman 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
	0.82	0.82	-1539.10	-1538.18		AFU SHOE
1	42.15	43.07	-1538.18	-1496.03	11.6#J-55	Centralizer & Latch
2	42.03	85.10	-1496.03	-1454.00		Centralizer
3	42.14	127.24	-1454.00	-1411.86		Centralizer
4	42.08	169.32	-1411.86	-1369.78		Centralizer
5	42.09	211.41	-1369.78	-1327.69		Centralizer
6	42.11	253.52	-1327.69	-1285.58		Centralizer
7	16.12	269.64	-1285.58	-1269.46		Centralizer
8	42.08	311.72	-1269.46	-1227.38		Centralizer
9	42.11	353.83	-1227.38	-1185.27		
10	42.09	395.92	-1185.27	-1143.18		
11	42.06	437.98	-1143.18	-1101.12		
12	42.08	480.06	-1101.12	-1059.04		
13	42.11	522.17	-1059.04	-1016.93		
14	42.08	564.25	-1016.93	-974.85		
15	42.15	606.40	-974.85	-932.70		
16	42.02	648.42	-932.70	-890.68		
17	42.10	690.52	-890.68	-848.58		
18	42.12	732.64	-848.58	-806.46		
19	42.13	774.77	-806.46	-764.33		
20	42.12	816.89	-764.33	-722.21		
21	42.04	858.93	-722.21	-680.17		
22	42.18	901.11	-680.17	-637.99		
23	42.09	943.20	-637.99	-595.90		
24	42.13	985.33	-595.90	-553.77		
25	42.12	1027.45	-553.77	-511.65		
26	42.11	1069.56	-511.65	-469.54		
27	42.15	1111.71	-469.54	-427.39		
28	42.16	1153.87	-427.39	-385.23		
29	42.15	1196.02	-385.23	-343.08		
30	42.16	1238.18	-343.08	-300.92		
31	42.12	1280.30	-300.92	-258.80		
32	42.17	1322.47	-258.80	-216.63		
33	42.11	1364.58	-216.63	-174.52		
34	42.13	1406.71	-174.52	-132.39		
35	42.12	1448.83	-132.39	-90.27		
36	42.15	1490.98	-90.27	-48.12		
37	42.12	1533.10	-48.12	-6.00		
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85						
TOTAL		1533.10				

JTs Ran 37  
 Meas w/shoe 1533.10  
 Set @ 1539.10  
 PBTD @ 1498.03

Threads On 1540.27