



KANSAS CORPORATION COMMISSION 1059012
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 #: _____

<u>02/22/2011</u>	<u>02/23/2011</u>	<u>05/11/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-181-20581-00-00

Spot Description: _____

SW NE NW SE Sec. 6 Twp. 6 S. R. 39 East West
360 Feet from North / South Line of Section
1740 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Sherman

Lease Name: Bucholtz Well #: 31-6B

Field Name: _____

Producing Formation: Niobrara

Elevation: Ground: 3596 Kelly Bushing: 3602

Total Depth: 1564 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 409 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 Garrison Date: 07/06/2011



1059012

Operator Name: Noble Energy, Inc. Lease Name: Bucholtz Well #: 31-6B
 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 checked="" type="checkbox"/> Yes <input 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 1320
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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	11.6	404	50/50 POZ	184	3% Cacl 2% gel
Production	6.25	4.5	17	1540	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 1320-1353	500 gal 7.5% HCL acid; 114bbls MAV-100 gelled water pad; 256bbls MAV-100	
	(33' 99 holes) .410 EH 120 Deg	gelled water w/50,020# 16/30 Daniels Sand & 49,980# 12/20 Daniels Sand;	
		Flush w/8.2 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. 06/01/2011		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 64	Water Bbls. 0	Gas-Oil Ratio

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 OIL WELL CEMENTING, INC.



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

REF. INVOICE # 9871
 LOCATION St. Francis
 FOREMAN Mark

TREATMENT REPORT

DATE <u>2/22/11</u>	WELL NAME <u>Bucholtz 31-6B</u>	SECTION <u>6</u>	TWP <u>6</u>	RGE <u>39</u>	COUNTY <u>Sheep</u>	FORMATION
CHANGE TO <u>EXCELL</u>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>1:00 P.M.</u>			TIME LEFT LOCATION <u>1:20</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
<u>9 7/8"</u>			SURFACE PIPE ANNULUS LOGIC		
TOTAL DEPTH <u>409'</u>	TUBING DEPTH	SHOTS/FT	STRING		
CASING SIZE <u>7"</u>	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING DEPTH <u>403'</u>	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
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
			<input type="checkbox"/> SQUEEZE CEMENT		FBIAL 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		

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 7MFP 185 sls mix 21 bbl Displ 15 bbl

JOB SUMMARY		DESCRIPTION OF JOB EVENTS	
<u>MIRU</u>	<u>MFP</u>	<u>Displ</u>	
<u>1:00 pm</u>	<u>1:30 p.m.</u>	<u>1:45 D 200 psi</u>	
		<u>1:48 D 200 psi</u>	
		<u>1:55 15 300 psi</u>	

11 bbl job pit

Mark AUTHORIZATION TO PROCEED Push TITLE 2/22/11 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

Brm



BISON

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

Invoice

Date	Invoice #
2/23/2011	9872

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

Item	Description	Qty	U/M	Rate	Amount	Location	Well Name & No.	Terms	Rig
						Sherman KS	Buehholz 31-6B	Net 30	
Pump-long string	PTMP 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	336.00				
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				
N-Gel-12 Discount	Lead 12lb Discount	40	Sack	16.00 -64.00	640.00 -64.00				
BG-Lite Discount	Tail 13.8 lb/gal 50/50 Poz Discount	56	Sack	16.00 -89.60	896.00 -89.60				
	Subtotal of Materials				2,256.40				

Please Remit Invoices To:

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

Subtotal	\$4,778.40
Sales Tax (8.55%)	\$200.26
Total	\$4,978.66
Balance Due	\$4,978.66

X 110%
\$5,476.53

RECEIVED

BISON OIL WELL CEMENTING, INC.



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

REF. INVOICE # 9872
 LOCATION St. Francis KS
 FOREMAN Terry

TREATMENT REPORT

DATE 2-23-11	WELL NAME Bucholtz 31-6B	SECTION 6	TWP 6S	RGE 39W	COUNTY Sherman	FORMATION
CHARGE TO Excell			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR Excell Rig 2			
STATE ZIP CODE			DISTANCE TO LOCATION 87			
TIME ARRIVED ON LOCATION 10:50 AM Reg time 11:30			TIME LEFT LOCATION 1:00 PM			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
6 7/8			SURFACE PIPE ANNULUS LONG		
TOTAL DEPTH 1564	TUBING DEPTH	SHOTS/FT	STRING		
	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING SIZE 4 1/2	TUBING CONDITION		TYPE OF TREATMENT		
CASING DEPTH 1539	P6 1493	TREATMENT VIA	<input type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING WEIGHT 11.6 lb	PACKER DEPTH		<input checked="" type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
CASING CONDITION good			<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	PVD RIP = RATE X PRESSURE X 0.01	

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	PSI	AVERAGE	PSI
FINAL DISPLACEMENT	PSI	15 MP SIP	PSI
ANNULUS	PSI	15 MIN SIP	PSI
MAXIMUM	PSI	15 MIN SIP	PSI
MINIMUM	PSI		

INSTRUCTIONS PRIOR TO JOB **M&U - Safety - Circulate ME p 40 SKS of 10 Gel 12 w/ yield of 2.64 mix 15 bbls of H₂O w/ H₂O cap. 15.7 gal per sack @ 12.0 lbs. ME p 56 SKS of B'k to a yield of 1.35 mix 13 bbls of H₂O w/ H₂O cap. of 9.7 gal per sack @ 13.8. Drop plug displace 23 bbls of H₂O set plug rig down - No fluid loss while drilling. Annulus 1020 Capacity - 0.155 20/100 excess per Company man**

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS **M&U 10:50 am Safety 11:25 am Circ. ME p @ ME p drop displace**
11:59 am 12:01 pm 12:08 pm 12:14 pm 12:20 pm

set plug @ 12:35 pm	Held @ 1300
	displace
	12:24 10 200
	12:30 pm 20 400
	12:35 pm 23 1300

bbls to pt 12

[Signature]
 AUTHORIZATION TO PROCEED

2-23-11
 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-CL: 6 Ft

Casing: 7 inch

Well Name: Bucholtz 31-6B

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	43.80	43.80	-403.91	-360.11		Centralizer
2	44.46	88.26	-360.11	-315.65		
3	44.22	132.48	-315.65	-271.43		
4	44.43	176.91	-271.43	-227.00		
5	43.28	220.19	-227.00	-183.72		
6	44.44	264.63	-183.72	-139.28		
7	44.50	309.13	-139.28	-94.78		
8	44.33	353.46	-94.78	-50.45		
9	44.45	397.91	-50.45	-6.00		
10						
11						
12						
13					# Jts Ran 9	
14					Meas. 397.91	
15					Set @ 403.91	
16					Aprox TD @ 409	
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
TOTAL	397.91					

Jts Ran 9
Meas. 397.91
Set @ 403.91
Aprox TD @ 409
Threads On 399.69



KB-GL: 6 Ft

Casing: 4.5 11.8# J-55

Well Name: Bucholtz 31-6B

Location: Sec 6, 6S, 39W, Sherman Co. KS

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of [l])	Depth KB, Ft (top of [l])	WU Grade	Description
1	0.92	0.92	-1539.76	-1538.84	11.6#J-55	AFU SHOE
2	45.05	45.97	-1538.84	-1493.79		Centralizer & Latch
3	42.06	88.03	-1493.79	-1451.73		Centralizer
4	42.10	130.13	-1451.73	-1409.63		Centralizer
5	42.15	172.28	-1409.63	-1367.48		Centralizer
6	42.05	214.33	-1367.48	-1325.43		Centralizer
7	42.11	256.44	-1325.43	-1283.32		Centralizer
8	13.72	270.16	-1283.32	-1269.60		Centralizer
9	42.13	312.29	-1269.60	-1227.47		Centralizer
10	42.15	354.44	-1227.47	-1185.32		
11	42.12	396.56	-1185.32	-1143.20		
12	42.11	438.67	-1143.20	-1101.09		
13	42.18	480.85	-1101.09	-1058.91		
14	42.20	523.05	-1058.91	-1016.71		
15	42.10	565.15	-1016.71	-974.61		
16	42.21	607.36	-974.61	-932.40		
17	42.09	649.45	-932.40	-890.31		
18	42.14	691.59	-890.31	-848.17		
19	42.08	733.65	-848.17	-806.11		
20	42.12	775.77	-806.11	-763.99		
21	42.10	817.87	-763.99	-721.89		
22	42.12	859.99	-721.89	-679.77		
23	42.11	902.10	-679.77	-637.66		
24	42.07	944.17	-637.66	-595.59		
25	42.10	986.27	-595.59	-553.49		
26	42.12	1028.39	-553.49	-511.37		
27	42.18	1070.57	-511.37	-469.19		
28	42.09	1112.66	-469.19	-427.10		
29	42.10	1154.76	-427.10	-385.00		
30	42.13	1196.89	-385.00	-342.87		
31	42.12	1239.01	-342.87	-300.75		
32	42.05	1281.06	-300.75	-258.70		
33	42.15	1323.21	-258.70	-216.55		
34	42.11	1365.32	-216.55	-174.44		
35	42.07	1407.39	-174.44	-132.37		
36	42.21	1449.60	-132.37	-90.16		
37	42.06	1491.66	-90.16	-48.10		
38	42.10	1533.76	-48.10	-6.00		
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81						
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83						
84						
85						
TOTAL		1533.76				

JTs Ran 37
 Meas w/shoe 1533.76
 Set @ 1539.76
 PBTD @ 1493.79

Threads On 1540.93