



KANSAS CORPORATION COMMISSION 1058853
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>02/19/2011</u>	<u>02/20/2011</u>	<u>06/01/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-181-20577-00-00

Spot Description: _____
N2 NE SE NE Sec. 6 Twp. 6 S. R. 39 East West
1550 Feet from North / South Line of Section
330 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Sherman

Lease Name: Bucholtz Well #: 42-6

Field Name: _____

Producing Formation: Niobrara

Elevation: Ground: 3603 Kelly Bushing: 3609

Total Depth: 1597 Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: 397 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 Gerrick Date: 07/12/2011



1058853

Operator Name: Noble Energy, Inc. Lease Name: Bucholtz Well #: 42-6
 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>1377</td> <td></td> </tr> </table>	Name	Top	Datum	Niobrara	1377	
Name	Top	Datum					
Niobrara	1377						

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	397	50/50 POZ	175	3% CaCl 2% gel
production	6.25	4.5	11.6	1580	50/50 POZ	97	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 intervals 1376-1404	Frac'd w/500 gals 7.5% HCl acid, 114bbbls MAV-100 gelled	
	(28' 84 holes) .410 EH 120 Deg	water pad; 268 bbbls MAV-100 gelled water w/40,000	
		Daniels Sand 16/30 & 12/20; flush w/75 bbbls 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. 06/01/2011	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 Bbbls.	Gas Mcf	Water Bbbls.	Gas-Oil Ratio	Gravity
	0	74	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> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Brnt



BISON

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

Invoice

Date	Invoice #
2/19/2011	9869

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

Location	Well Name & No.	Terms	Rig
Sherman, KS	Bucholtz 4-6 <i>4a-b</i>	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
B5-Lite	50/50 Poz (3%)	175	Sack	16.00	2,800.00T
Discount	Discount			-280.00	-280.00
	Subtotal of Materials				2,597.50
					4,519.50

Please Remit Invoices To:

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

Subtotal	\$4,519.50
Sales Tax (8.55%)	\$231.67
Total	\$4,751.17
Balance Due	\$4,751.17

X 11070
#5,226.29

RECEIVED
FEB 28 2011

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-298-8143
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 9869
 LOCATION Voltaire Ks
 FOREMAN Justin Crinklaw

TREATMENT REPORT

DATE <u>2-19-11</u>	WELL NAME <u>Bucholtz 42-6</u>	SECTION <u>6</u>	TWP <u>6S</u>	RGE <u>39W</u>	COUNTY <u>Shelton</u>	FORMATION
CHARGE TO <u>Excell</u>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excell Rig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>87</u>			
TIME ARRIVED ON LOCATION <u>12:00pm</u>			TIME LEFT LOCATION <u>3:30pm</u>			

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>9 7/8"</u>				
TOTAL DEPTH <u>402</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>2"</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>397</u>	<u>PB 357</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
			<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 2.44

PRESSURE SUMMARY			
BREAKDOWN @ CIRCULATION (psi)	AVERAGE (psi)		
FINAL DISPLACEMENT (psi)	ISP (psi)		
ANNULUS (psi)	5 MIN SIP (psi)		
MAXIMUM (psi)	15 MIN SIP (psi)		
MINIMUM (psi)			

INSTRUCTIONS PRIOR TO JOB MIRU Safety Circ MHP 175 sks of BTLite 7% yield of 1.13 Mix 20 bbls of H₂O + H₂O neg 4.78 gal/sks @ 152 Droplug Displace 14.8 bbls of H₂O Shutin

Annulus .2647 Capacity .0415

JOB SUMMARY	DESCRIPTION OF JOB EVENTS	<u>MIRU Safety Circ MHP</u>	<u>Droplug</u>	<u>Displace</u>	<u>Shutin</u>
	<u>12:00pm</u>	<u>2:21pm</u>	<u>2:24pm</u>	<u>2:25pm</u>	<u>2:48pm</u>
					<u>2:49pm</u>
					<u>2:53pm</u>
					<u>2:56pm</u>

6 bbls to p.t

Justin Crinklaw TITLE Push DATE 2/19/11

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 OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-298-8143
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 9454
 LOCATION St Francis
 FOREMAN Randy Newton

TREATMENT REPORT

DATE <u>2-20-11</u>	WELL NAME <u>Bucholtz 42-6</u>	SECTION <u>6</u>	TWP <u>6S</u>	R1E <u>39W</u>	SPRINGS <u>St Francis</u>	FORMATION
CHANGE TO <u>Excell</u>			OWNER <u>Noble</u>			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excell T-3 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>87 mi</u>			
TIME ARRIVED ON LOCATION <u>12:15 p.m.</u>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>6 7/8</u>				
TOTAL DEPTH <u>1577</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNUBUS LONG	
	TUBING WEIGHT	OPEN HOLE	STUBING	
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING	

TYPE OF TREATMENT		TREATMENT RATE
<input type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
<input checked="" type="checkbox"/> PRODUCTION CASING		INITIAL BPM
<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		

PRESSURE SUMMARY			
BREAKDOWN OF CIRCULATING	PSI	AVERAGE	PSI
FRUL DISPLACEMENT	PSI	ISIP	PSI
ANNUBUS	PSI	5 MIN ISIP	PSI
MAXIMUM	PSI	15 MIN ISIP	PSI
MINIMUM	PSI		

INSTRUCTIONS PRIOR TO JOB MTRU 5m Circ 5 BBLs fresh water ahead mtf 41 sky ok 1/2 bed 2
at 12:15 put gal mix water by 15.6 gal per sk 15 BBL mix water 1/2 of 2.64 gal
per sk mtf 5.6 sks B-12 type 13.8 lbs gal water 9.7 gal per sk 13.8 lbs water per sk
at 1:34 Hsk Prod Plan displace w 23.8 BBLs water Annulus 1026 gal. 0.55
20% excess as per charted field Ref.

DESCRIPTION OF JOB EVENTS	MTRU 5m	Circ	mtf	mtf	Day
Displaced:	12:30 p.m.	2:30 p.m.	2:35 p.m.	2:38 p.m.	2:42 p.m.
<u>2155</u>					
<u>2:58 10 200</u>	<u>1 am play</u>		<u>rig down</u>		
<u>3:02 20 400</u>	<u>1100 PSI</u>		<u>3:20 p.m.</u>		
<u>23.8</u>	<u>3:10 p.m.</u>				

6 BBLs for p-7

[Signature] Field REP. 2-20-11
 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 thereof which entitle the release and indemnity.



KB-L: 6 Ft

Casing: 7 inch

Well Name: Bucholtz 42-6

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	44.45	44.45	-397.40	-352.95		Centralizer
2	43.60	88.05	-352.95	-309.35		
3	44.56	132.61	-309.35	-264.79		
4	44.44	177.05	-264.79	-220.35		
5	44.50	221.55	-220.35	-175.85		
6	44.48	266.03	-175.85	-131.37		
7	38.51	304.54	-131.37	-92.86		
8	42.53	347.07	-92.86	-50.33		
9	44.33	391.40	-50.33	-6.00		
10						
11						
12						
13						
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29						
30						
31						
TOTAL	391.40					

Jts. Ran 9
 Meas. 391.40
 Set @ 397.40
 Aprox TD @ 402
 Threads On 393.18



KB-GL: 11.6 # J-55

Casing: 4.5 11.6 # J-55

Well Name: Bucholtz 42-8

Location: Sao 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)	WU Grade	Description
	0.92	0.92	-1579.93	-1579.01		AFU SHOE
1	42.11	43.03	-1579.01	-1538.90	11.6#J-55	Centralizer & Latch
2	42.14	85.17	-1638.90	-1494.78		Centralizer
3	42.08	127.23	-1494.78	-1452.70		Centralizer
4	42.10	169.33	-1452.70	-1410.80		Centralizer
5	42.14	211.47	-1410.80	-1388.46		Centralizer
6	42.12	253.59	-1388.46	-1326.34		Centralizer
7	14.39	267.98	-1326.34	-1311.95		Centralizer
8	42.17	310.15	-1311.95	-1269.78		Centralizer
9	42.18	352.31	-1269.78	-1227.62		
10	42.10	394.41	-1227.62	-1185.52		
11	42.09	436.50	-1185.52	-1143.43		
12	42.12	478.62	-1143.43	-1101.31		
13	42.13	520.75	-1101.31	-1059.18		
14	42.11	562.86	-1059.18	-1017.07		
15	42.19	605.05	-1017.07	-974.88		
16	42.15	647.20	-974.88	-932.73		
17	42.09	689.29	-932.73	-890.64		
18	42.08	731.37	-890.64	-848.58		
19	42.10	773.47	-848.58	-806.48		
20	42.16	815.63	-806.48	-764.30		
21	42.12	857.75	-764.30	-722.18		
22	42.11	899.86	-722.18	-680.07		
23	42.15	942.01	-680.07	-637.92		
24	42.18	984.19	-637.92	-595.74		
25	42.17	1026.38	-595.74	-553.57		
26	42.02	1068.38	-553.57	-511.55		
27	42.12	1110.50	-511.55	-469.43		
28	42.19	1152.69	-469.43	-427.24		
29	42.14	1194.83	-427.24	-385.10		
30	42.13	1236.96	-385.10	-342.97		
31	42.11	1279.07	-342.97	-300.86		
32	42.12	1321.19	-300.86	-258.74		
33	42.11	1363.30	-258.74	-216.63		
34	42.10	1405.40	-216.63	-174.53		
35	42.16	1447.56	-174.53	-132.37		
36	42.14	1489.70	-132.37	-90.23		
37	42.09	1531.79	-90.23	-48.14		
38	42.14	1573.93	-48.14	-6.00		
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81						
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83						
84						
85						
TOTAL		1573.93				

JTs Ran 38
 Meas w/shoe 1573.93
 Set @ 1579.93
 PBD @ 1638.90
 Threads On 1581.32