

KANSAS CORPORATION COMMISSION  
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

*Amended*  
**ORIGINAL**

OPERATOR: License # 33190  
Name: Noble Energy Inc  
Address 1: 1625 Broadway  
Address 2: Suite 2200  
City: Denver State: CO Zip: 80202 +  
Contact Person: Cheryl Johnson  
Phone: (303) 228-4437  
CONTRACTOR: License # 8273  
Name: Excell Services Inc, 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>9/30/2008</u>	<u>10/1/2008</u>	<u>5/17/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 181-20546-00-00

Spot Description: \_\_\_\_\_  
NE SW NE SW Sec. 1 Twp. 6 S. R. 40  East  West  
1,900 Feet from  North /  South Line of Section  
1,900 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:  
 NE     NW     SE     SW

County: Sherman

Lease Name: Billinger Well #: 23-1

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

Producing Formation: Niobrara

Elevation: Ground: 3608 Kelly Bushing: 3614

Total Depth: 1561 Plug Back Total Depth: 1505

Amount of Surface Pipe Set and Cemented at: 381 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 #: \_\_\_\_\_

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**KCC WICHITA**

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Cheryl Johnson  
Title: Regulatory Analyst Date: 1-31-12

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: DJ Date: 2/7/12

Operator Name: Noble Energy Inc Lease Name: Billinger Well #: 23-1  
 Sec. 1 Twp. 6 S. R. 40  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: <b>CBL/CCL/GR</b>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum Niobrara 1352
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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	9.875	7	17	381	50/50 POZ	158	3% CaCl 2% gel
Production	6.25	4.50	9.5	1551	50/50 POZ	90	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 1352-1383	Frac'd w/500 gals 7.5% HCl acid; 114 bbls MAV	
	(31' 93 holes) .42 EH 120 deg	-100 gelled water pad; 256 bbls Mav-100 gelled	
		water; 50,020# 16/30 Daniels Sand & 50,060#	
		12/20 Daniels Sand; 8.4 bbls gelled water	

TUBING RECORD: Size: <u>2 3/8</u> Set At: <u>1400</u> Packer At: <u> </u> Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>RECEIVED</b> <b>FEB 03 2012</b> <b>KCC WICHITA</b>
Date of First, Resumed Production, SWD or ENHR. <u>6/3/2011</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) <u> </u>	
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u> Gas Mcf <u>74</u> Water Bbls. <u>0</u> Gas-Oil Ratio <u> </u> Gravity <u> </u>	

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) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) <u> </u>	PRODUCTION INTERVAL: <u>1352-1383</u>
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KL : 6 Ft

Casing: 7 inch

Well Name: Bitlinger 23-1      Location: Sec 1, 6S, 40W, 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			20	
1	38.42	38.42	-380.98	-342.56		Centralizer
2	44.48	82.90	-342.56	-298.08		
3	39.14	122.04	-298.08	-258.94		
4	44.52	166.56	-258.94	-214.42		
5	38.27	204.83	-214.42	-176.15		
6	44.50	249.33	-176.15	-131.65		
7	44.54	293.87	-131.65	-87.11		
8	36.63	330.50	-87.11	-50.48		
9	44.48	374.98	-50.48	-6.00		
10					# Jts Ran 9	
11					Meas. 374.98	
12					Set @ 380.98	
13					Aprox TD @ 386	
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TOTAL	374.98					

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KB: 6 Ft

Casing: 4.50 inch

Well Name: Billinger 23-1 Location: Sec 1, 6S, 40W, 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
	0.92	0.92	-1547.83	-1546.91		AFU Shoe w/ float
1	42.12	43.04	-1546.91	-1504.79	9.5# J55	Latch
2	42.18	85.22	-1504.79	-1462.61		
3	42.62	127.84	-1462.61	-1419.99		Centralizer
4	42.23	170.07	-1419.99	-1377.76		Centralizer
5	42.62	212.69	-1377.76	-1335.14		Centralizer
6	37.03	249.72	-1335.14	-1298.11		Centralizer
7	42.58	292.30	-1298.11	-1255.53		Centralizer
8	42.64	334.94	-1255.53	-1212.89		Centralizer
9	42.35	377.29	-1212.89	-1170.54		Centralizer
10	42.15	419.44	-1170.54	-1128.39		Centralizer
11	42.22	461.66	-1128.39	-1086.17		
12	42.11	503.77	-1086.17	-1044.06		
13	42.15	545.92	-1044.06	-1001.91		
14	42.14	588.06	-1001.91	-959.77		
15	42.23	630.29	-959.77	-917.54		
16	42.21	672.50	-917.54	-875.33		
17	42.15	714.65	-875.33	-833.18		
18	35.94	750.59	-833.18	-797.24		
19	35.20	785.79	-797.24	-762.04		
20	44.10	829.89	-762.04	-717.94		
21	44.13	874.02	-717.94	-673.81		
22	36.18	910.20	-673.81	-637.63		
23	36.01	946.21	-637.63	-601.62		
24	35.73	981.94	-601.62	-565.89		
25	35.17	1017.11	-565.89	-530.72		
26	44.25	1061.36	-530.72	-486.47		
27	42.65	1104.01	-486.47	-443.82		
28	42.18	1146.19	-443.82	-401.64		
29	44.64	1190.83	-401.64	-357.00		
30	42.10	1232.93	-357.00	-314.90		
31	42.20	1275.13	-314.90	-272.70		
32	35.10	1310.23	-272.70	-237.60		
33	38.48	1348.71	-237.60	-199.12		
34	35.05	1383.76	-199.12	-164.07		
35	35.36	1419.12	-164.07	-128.71		
36	42.17	1461.29	-128.71	-86.54		
37	40.22	1501.51	-86.54	-46.32		
38	40.32	1541.83	-46.32	-8.00		
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TOTAL		1541.83				

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# Jts Ran= 38  
Meas w/shoe 1541.83  
Set @ 1547.83  
PBD @ 1504.79  
DISPLACE= 24.38