



KANSAS CORPORATION COMMISSION 1069756
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: Liz Lindow
Phone: (303) 228-4342
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: Noble Energy, Inc.
Well Name: Billinger 11-1
Original Comp. Date: 9/30/2008 Original Total Depth: 1596
 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 #:
10/24/2010 10/24/2010
Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-181-20544-00-01
Spot Description:
E2 NW SW Sec. 1 Twp. 6 S. R. 40 East West
1980 Feet from North / South Line of Section
990 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Sherman
Lease Name: Billinger Well #: 13-1
Field Name:
Producing Formation: Niobrara
Elevation: Ground: 3624 Kelly Bushing: 3633
Total Depth: 1602 Plug Back Total Depth:
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: ppm Fluid volume: bbls
Dewatering method used:
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 Garcia Date: 01/18/2012



1069756

Operator Name: Noble Energy, Inc. Lease Name: Billinger Well #: 13-1
 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 (Attach Additional Sheets)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Niobrara	1370	
Electric Log Run	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Submitted Electronically (If no, Submit Copy)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				
CBL/CCL/GR				

CASING RECORD <input 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	132	3% Cacl, .25% Flo-celc
Production	6.25	4.5	10.5	1596	Type III, 50/50 POZ	92	12% gal, 2% Cacl, .25% Flo-calc

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 (Amount and Kind of Material Used)	Depth
3	1368-1396 perf intervals	500 gal 7.5% HCL acid; 114 bbls MAV-100 gelled wtr pad.	
	(28' 84 holes) .410 EH 120 Deg	256 bbls MAV-100 gelled water w/100,020# Daniels Sand.	
		Flush 2/8.5 bbls MAV-100 gelled water.	

TUBING RECORD:	Size: <u>3.375</u>	Set At: <u>1418</u>	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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) _____			
Estimated Production Per 24 Hours	Oil Bbls. <u>0</u>	Gas Mcf <u>70</u>	Water Bbls. <u>0</u>	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. (Submit ACO-5) <input type="checkbox"/> Commingled (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: <u>1372-1396</u>
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KL L: 6 Ft

Casing: 7 inch

Well Name: Billinger 13-1	Location: Sec 1, 6S, 40W, Sherman Co. K
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Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	WU Grade	Description
	0.00	0.00			20	
1	39.16	39.16	-416.80	-377.64		Centralizer
2	39.13	78.29	-377.64	-338.51		
3	39.17	117.46	-338.51	-299.34		
4	44.51	161.97	-299.34	-254.83		
5	44.60	206.57	-254.83	-210.23		
6	44.39	250.96	-210.23	-165.84		
7	39.16	290.12	-165.84	-126.68		
8	44.04	334.16	-126.68	-82.64		
9	39.12	373.28	-82.64	-43.52	# Jts Ran 10	
10	37.52	410.80	-43.52	-6.00	Meas. 410.80	
11					Set @ 416.80	
12					Aprox TD @ 422	
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TOTAL	410.80					



KB- 6 Ft

Casing: 4.50 inch

Well Name: Billinger 13-1	Location: Sec 1, 8S, 40W, Sherman Co. K
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Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	WU Grade	Description
	0.92	0.92	-1590.38	-1589.46		AFU Shoe w/ float
1	42.61	43.53	-1589.46	-1546.85	9.5# J55	Latch
2	42.53	86.06	-1546.85	-1504.32		
3	42.83	128.69	-1504.32	-1461.69		Centralizer
4	42.64	171.33	-1461.69	-1419.05		Centralizer
5	42.14	213.47	-1419.05	-1376.91		Centralizer
6	31.90	245.37	-1376.91	-1345.01		Centralizer
7	42.60	287.97	-1345.01	-1302.41		Centralizer
8	40.31	328.28	-1302.41	-1262.10		Centralizer
9	42.13	370.41	-1262.10	-1219.97		Centralizer
10	42.53	412.94	-1219.97	-1177.44		Centralizer
11	42.58	455.52	-1177.44	-1134.86		
12	42.25	497.77	-1134.86	-1092.61		
13	42.43	540.20	-1092.61	-1050.18		
14	41.35	581.55	-1050.18	-1008.83		
15	42.28	623.83	-1008.83	-966.55		
16	42.56	666.39	-966.55	-923.99		
17	42.12	708.51	-923.99	-881.87		
18	42.52	751.03	-881.87	-839.35		
19	35.38	786.41	-839.35	-803.97		
20	36.08	822.49	-803.97	-767.89		
21	44.08	866.55	-767.89	-723.83		
22	35.61	902.16	-723.83	-688.22		
23	32.78	934.94	-688.22	-655.44		
24	33.10	968.04	-655.44	-622.34		
25	27.54	995.58	-622.34	-594.80		
26	23.35	1018.93	-594.80	-571.45		
27	29.87	1048.80	-571.45	-541.58		
28	32.83	1081.63	-541.58	-508.75		
29	43.71	1125.34	-508.75	-485.04		
30	40.62	1165.96	-485.04	-424.42		
31	38.49	1204.45	-424.42	-385.93		
32	35.90	1240.35	-385.93	-350.03		
33	39.18	1279.53	-350.03	-310.85		
34	44.18	1323.71	-310.85	-266.67		
35	36.50	1380.21	-266.67	-230.17		
36	43.48	1403.69	-230.17	-188.69		
37	36.14	1439.83	-188.69	-150.55		
38	35.14	1474.97	-150.55	-115.41		
39	38.22	1513.19	-115.41	-77.19		
40	36.82	1550.01	-77.19	-40.37		
41	34.37	1584.38	-40.37	-6.00		
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TOTAL		1584.38				

Jts Ran= 41
 Meas w/shoe 1584.38
 Set @ 1590.38
 PBTD @ 1546.85
 DISPLACE= 25.06