KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1059511

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 ☐ SIOW
☑ 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 #:

05/01/2011	05/02/2011	06/02/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-023-21309-00-00
Spot Description:
SE - SE - SE - NE Sec. 32 Twp. 5 S. R. 39 ☐ East ☑ West
2450 Feet from ☑ North / ☐ South Line of Section
200 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
County: Cheyenne
Lease Name: Rogers Well #: 42-32
Field Name:
Producing Formation: Niobrara
Elevation: Ground: 3600 Kelly Bushing: 3606
Total Depth: 1564 Plug Back Total Depth: 1508
Amount of Surface Pipe Set and Cemented at: 392 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: 07/13/2011

Side Two

1059511

Operator Name: Noble Energy, Inc. Lease Name: Rogers Well #: 42-32

Sec. 32 Twp. 5 S. R. 39 ☐ East ☑ West County: Cheyenne

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 ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:

Triple Combo
CBL/CCL/GR

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
Niobrara	1332	

CASING RECORD ☑ New ☐ 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	392	50/50 POZ	158	3%CaCl 2% gel
Production	6.25	4.5	11.6	1554	50/50 POZ	96	12% gel 2% CaCl

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose: ___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
	-			
	-			

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	1332-1357 perf intervals	500 bbls 7.5% HCL acid; 95 bbls MAV-100 gelled water pad; 192 bbls	
	(25' - 75 holes) .410 EH 120 Deg	MAV-100 gelled water w/37,700# 16/30 Daniels Sand & 37,500# 12/20	
		Daniels Sand. Flush w/8.3 bbls MAV-100 gelled water.	

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☐ No

Date of First, Resumed Production, SWD or ENHR. 06/17/2011

Producing Method: ☑ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	58	0		

DISPOSITION OF GAS:
☐ Vented ☑ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)* _____

PRODUCTION INTERVAL:
_____
_____

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

BISON OIL WELL CEMENTING, INC.
1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone. 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9960
LOCATION St Francis Ks
FOREMAN Justin Cobblam

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-1-11	Rogers 42-32	32	5S	39w	Cheyenne	

CHARGE TO Excell	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR Excell Rig 2
STATE ZIP CODE	DISTANCE TO LOCATION 57
TIME ARRIVED ON LOCATION 6:45pm Req 7:45pm	TIME LEFT LOCATION 8:45pm

WELL DATA

HOLE SIZE 9 7/8"	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 397	TUBING DEPTH	SHOTS/FT
	TUBING WEIGHT	OPEN HOLE
CASING SIZE 7	TUBING CONDITION	
CASING DEPTH 392	143 352	TREATMENT VIA
CASING WEIGHT 17	PACKER DEPTH	
CASING CONDITION Good		

PRESSURE LIMITATIONS

	THEORETICAL	INSTRUCTED
SURFACE PIPE ANNULUS LONG		
STRING		
TUBING		

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			

TYPE OF TREATMENT	TREATMENT RATE
[X] SURFACE PIPE	BREAKDOWN BPM
[ ] PRODUCTION CASING	INITIAL BPM
[ ] SQUEEZE CEMENT	FINAL BPM
[ ] ACID BREAKDOWN	MINIMUM BPM
[ ] ACID STIMULATION	MAXIMUM BPM
[ ] ACID SPOTTING	AVERAGE BPM
[ ] MISC PUMP	
[ ] OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB: MIRU Safety Circ M+P 158 sks of B3Lite Yield of 1.13 Mix 18 bbls of H2O%20 Req 4.78 gal/sks @15.2 Drop plug Displace 14.5 bbls of H2O

Annulus .2647 Capacity .0415 72% excess as per Mark

JOB SUMMARY
DESCRIPTION OF JOB EVENTS

MIRU	Safety	Circ	M+P	Drop plug	Displace	Shut in
6:45pm	8:00pm	8:02pm	8:05pm	8:19pm	8:20pm	8:27pm

8:23 10 160
8:25 14.5 150

9 BBLs To pit

AUTHORIZATION TO PROCEED [signature] TITLE [signature] DATE 5-1-11

Customers 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: 303-296-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 4955
LOCATION St. Francis
FOREMAN Randy Newton

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-2-11	Rogers 42-32	32	5S	39w	Cheyenne	

CHARGE TO Excell	OWNER Noble
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR Excell Rig 2
STATE ZIP CODE	DISTANCE TO LOCATION 87m
TIME ARRIVED ON LOCATION: 2:00 p.m. Rep 3:00 p.m.	TIME LEFT LOCATION 7:15

WELL DATA

HOLE SIZE 6 3/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 1564	TUBING DEPTH	SHOTS/FT
	TUBING WEIGHT	OPEN HOLE
CASING SIZE 4 1/2"	TUBING CONDITION	
CASING DEPTH 1554'	PBTD 1508'	TREATMENT VIA
CASING WEIGHT 11.6#	PACKER DEPTH	
CASING CONDITION Good		

PRESSURE LIMITATIONS

	THEORETICAL	INSTRUCTED
SURFACE PIPE ANNULUS LONG		
STRING		
TUBING		

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			

TYPE OF TREATMENT

- [ ] SURFACE PIPE
- [x] PRODUCTION CASING
- [ ] SQUEEZE CEMENT
- [ ] ACID BREAKDOWN
- [ ] ACID STIMULATION
- [ ] ACID SPOTTING
- [ ] MISC PUMP
- [ ] OTHER

TREATMENT RATE

BREAKDOWN BPM	
INITIAL BPM	
FINAL BPM	
MINIMUM BPM	
MAXIMUM BPM	
AVERAGE BPM	
HYD HHP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB MIRU Sm circ mix 40 sks of N-Gel-12 @ lb/gal water req. 21-15.6 gal/sk 15 bbls mix water yield of 2.64 cuft per sk mix 56 sk of BG-lite @ 13.8 lb/gal water req of 9.7 gal/sk 13 bbls mix water yield of 1.35 cuft/sk Drop plug displace w/ 23.3 bbls water land plug rig down
20% excess as per Sam Chartier Field Rep

JOB SUMMARY
DESCRIPTION OF JOB EVENTS MIRU 6:30 Sm 10:35 Circ 6:38 mix 6:43 mix 6:53 Drop plug
Displace Land plug rig down

6:57 10 300
7:00 20 500
7:13 23.3 1350

10 bbl to pit

Sam Chartier Field Rep — 5-2-11

AUTHORIZATION TO PROCEED — TITLE — DATE

JW EXCELL SERVICES, INC.

KB : 6 Ft

Casing: 7 Inch

Well Name: Rogers 42-32

Location: Sec 32, 5S, 39W, Cheyenne Co.

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	43.49	43.49	-392.34	-348.85		Centralizer
2	44.12	87.61	-348.85	-304.73		
3	43.83	131.44	-304.73	-260.90		
4	34.50	165.94	-260.90	-226.40		
5	44.75	210.69	-226.40	-181.65		
6	44.37	255.06	-181.65	-137.28		
7	43.84	298.90	-137.28	-93.44		
8	43.37	342.27	-93.44	-50.07		
9	44.07	386.34	-50.07	-6.00		
10						
11						
12						
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27						
28						
29						
30						
31						
TOTAL	386.34					

Jts Ran 9
Meas. 386.34
Set @ 392.34
Aprox TD @ 397

Threads On 388.12

JW DRILLING SERVICES, INC.

KB-GL: 6 FT

Casing: 4.5 11.6 # J-55

Well Name: Rogers 42-32

Location: Sec 32, 5S, 39W, Cheyenne Co. KS

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	-1554.24	-1553.32		AFU SHOE
1	45.27	46.19	-1553.32	-1508.05	11.6#J-55	Centralizer & Latch
2	45.14	91.33	-1508.05	-1462.91		Centralizer
3	45.27	136.60	-1462.91	-1417.64		Centralizer
4	45.26	181.86	-1417.64	-1372.38		Centralizer
5	45.14	227.00	-1372.38	-1327.24		Centralizer
6	13.58	240.58	-1327.24	-1313.66		Centralizer
7	45.28	285.86	-1313.66	-1268.38		Centralizer
8	45.28	331.14	-1268.38	-1223.10		Centralizer
9	45.12	376.26	-1223.10	-1177.98		
10	45.28	421.54	-1177.98	-1132.70		
11	45.00	466.54	-1132.70	-1087.70		
12	45.14	511.68	-1087.70	-1042.56		
13	45.26	556.94	-1042.56	-997.30		
14	45.28	602.22	-997.30	-952.02		
15	45.28	647.50	-952.02	-906.74		
16	45.14	692.64	-906.74	-861.60		
17	45.26	737.90	-861.60	-816.34		
18	45.28	783.18	-816.34	-771.06		
19	45.14	828.32	-771.06	-725.92		
20	42.06	870.38	-725.92	-683.86		
21	42.59	912.97	-683.86	-641.27		
22	42.05	955.02	-641.27	-599.22		
23	42.57	997.59	-599.22	-556.65		
24	42.56	1040.15	-556.65	-514.09		
25	42.58	1082.73	-514.09	-471.51		
26	42.59	1125.32	-471.51	-428.92		
27	41.92	1167.24	-428.92	-387.00		
28	42.58	1209.82	-387.00	-344.42		
29	42.56	1252.38	-344.42	-301.86		
30	41.34	1293.72	-301.86	-260.52		
31	42.16	1335.88	-260.52	-218.36		
32	42.58	1378.46	-218.36	-175.78		
33	42.60	1421.06	-175.78	-133.18		
34	42.05	1463.11	-133.18	-91.13		
35	42.56	1505.67	-91.13	-48.57		
36	42.57	1548.24	-48.57	-6.00		
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85						
TOTAL	1548.24					

JTs Ran 36
Meas w/shoe 1548.24
Set @ 1554.24
PBTD @ 1508.05

Threads On 1555.20