



KANSAS CORPORATION COMMISSION 1059152  
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  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 #:

03/07/2011 03/08/2011 05/23/2011  
Spud Date or Date Reached TD Completion Date or  
Recompletion Date Recompletion Date

API No. 15 - 15-023-21289-00-00  
Spot Description:  
N2 SE SW NE Sec. 31 Twp. 5 S. R. 39  East  West  
2250 Feet from  North /  South Line of Section  
1650 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Cheyenne  
Lease Name: Rogers Well #: 32-31  
Field Name: Cherry Creek  
Producing Formation: Niobrara  
Elevation: Ground: 3590 Kelly Bushing: 3596  
Total Depth: 1564 Plug Back Total Depth: 1521  
Amount of Surface Pipe Set and Cemented at: 356 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 Garcia Date: 07/08/2011



1059152

Operator Name: Noble Energy, Inc. Lease Name: Rogers Well #: 32-31  
 Sec. 31 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 <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 CBU/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>1366</td> <td></td> </tr> </table>	Name	Top	Datum	Niobrara	1366	
Name	Top	Datum					
Niobrara	1366						

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	356	50/50 POZ	142	3% CaCl 2% gel
Produce	6.25	4.5	11.6	1557	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
___ 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	1361-1376 perf intervals	500 gal 7.5% HCL acid; 95 bbls MAV-100 gelled wtr pad	
	(15' 45 holes) .410 EH 120 Deg	192 bbls MAV-100 gelled water w/36,320# 16/30 Daniels	
		Sand & 38,960# 12/20 Daniels Sand. Flush w/8.4 bbls	
		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. <b>06/03/2011</b>	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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	0	48	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> <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: 303-296-6143  
 E-mail: bisonoil@guestoffice.net

REF INVOICE # 9887  
 LOCATION \_\_\_\_\_  
 FOREMAN Terry

## TREATMENT REPORT

DATE <u>3-7-11</u>	WELL NAME <u>Prophet 32-31</u>	SECTION <u>31</u>	TWP <u>55</u>	RGE <u>39N</u>	COUNTY <u>Cherokee</u>	FORMATION
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CHANGE TO <u>Excel</u>	OWNER
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR
STATE ZIP CODE	DISTANCE TO LOCATION <u>87</u>
TIME ARRIVED ON LOCATION <u>3:20</u>	TIME LEFT LOCATION <u>3:30</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>9 1/8</u>	TUBING SIZE	PERFORATIONS	SURFACE PIPE ANNUALS LONG	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>361</u>	TUBING DEPTH	SHOTS/FT	STRING		
CASING SIZE <u>7"</u>	TUBING WEIGHT	OPEN HOLE	TUBING		
CASING DEPTH <u>356</u>	TUBING CONDITION <u>Max 350</u>	TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>1716</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>OK</u>			<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SQUEE CEMENT	FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	ACIDULIN BPM	
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
			<input type="checkbox"/> MISC PADAP		
			<input type="checkbox"/> OTHER	HYD PMP = RATE X PRESSURE X JULI	

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input type="checkbox"/>	
FINAL DISPLACEMENT psi	ISP psi	<input type="checkbox"/>	
ANNUALS psi	5 MIN SP psi	<input type="checkbox"/>	
MAXIMUM psi	15 MIN SP psi	<input type="checkbox"/>	
MINIMUM psi		<input type="checkbox"/>	

INSTRUCTIONS PRIOR TO JOB M 7 20 - Safety - mix 142 slts of acid 3% vol @ 15-21 lb w/ 1 lb  
4.27 w/ 1 lb of 5.89 gal of acid - drop plug - displace w/ 13 bbls

percentage of excess per MARK Lion of 90%

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

<u>MIPU</u>	<u>Safety</u>	<u>M 7 P</u>	<u>Drop plug</u>	<u>Displace</u>
<u>3:20</u>	<u>3:45</u>	<u>4:46</u>	<u>5:00</u>	<u>5:02</u>
			<u>0 5:02</u>	
			<u>10 5:06</u>	
			<u>13 5:08</u>	

no pit  
5' 2" air valve - broke - line frozen & valves frozen - show valves - 2 pop off pins

[Signature] AUTHORIZATION TO PROCEED      Bush TITLE      3/7/11 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 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: bisonoil@guestoffice.net

REF. INVOICE # 9877  
 LOCATION St. Francis, KS  
 FOREMAN Tony

## TREATMENT REPORT

DATE <b>3-8-11</b>	WELL NAME <b>Regrets 32-31</b>	SECTION <b>31</b>	TWP <b>59</b>	RGE <b>39w</b>	COUNTY <b>Cherokee</b>	FEDERATION
CHARGE TO <b>Crewell</b>			OWNER <b>Noble</b>			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <b>Crewell Day 2</b>			
STATE ZIP CODE			DISTANCE TO LOCATION <b>87</b>			
TIME ARRIVED ON LOCATION <b>1:25</b>			TIME LEFT LOCATION <b>5:00 PM</b>		<b>Regrets was 2:00</b>	

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <b>10 7/8"</b>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <b>1563</b>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRONG		
CASING SIZE <b>4 1/2"</b>	TUBING CONDITION	TREATMENT VIA	TUBING		
CASING DEPTH <b>1520</b>	PACKER DEPTH		TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <b>11.6</b>			<input type="checkbox"/> SURFACE PIPE	BREAKDOWN OPM	
CASING CONDITION <b>good</b>			<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL OPM	
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT	FINAL OPM	
BREAKDOWN OF CIRCULATING <b>251</b>	AVERAGE <b>151</b>		<input type="checkbox"/> ACID BREAKDOWN	ACID OPM	
FINAL DISPLACEMENT <b>251</b>	ESP <b>151</b>		<input type="checkbox"/> ACID STIMULATION	MAXIMUM OPM	
AVAILABILITY <b>68</b>	5 MPT SP <b>151</b>		<input type="checkbox"/> ACID SPOTTING	AVERAGE OPM	
MAXIMUM <b>151</b>	15 MPT SP <b>151</b>		<input type="checkbox"/> MISC PUMP		
ADDITIONAL <b>151</b>			<input type="checkbox"/> OTHER	INITIAL OPM = RATE X PRESSURE X CB	

INSTRUCTIONS PRIOR TO JOB **new 3/4" Circulation max 40 SKS @ 15 bbls of mix max 50 SKS @ 13 bbls of mix 40 SKS @ 12 @ 12lb per gal 15 lb gal per sack yll 204 cu ft per SK 50 SKS hg LK 9.7 gal per SK yll 1.35 cu ft**  
**max - dropping displacement of 23.5 bbls of H<sub>2</sub>O hand plug w/ 1100-150-165 Rig down**

Cap. 0155 Annulus 1026 cilt 2001 2070 per Sam Chardier

JOB SUMMARY					
DESCRIPTION OF JOB EVENTS					
<b>MI 251</b>	<b>Safety</b>	<b>Circulation</b>	<b>max-P</b>	<b>drop plug</b>	<b>displace</b>
<b>1:25</b>	<b>3:55</b>	<b>4:06</b>	<b>4:27</b>	<b>4:25 PM</b>	<b>4:25 @ 12:00 165</b>
		<b>4:16</b>	<b>4:27</b>	<b>4:27</b>	<b>4:35 PM</b>
			<b>20</b>	<b>4:30</b>	
			<b>23.5</b>	<b>4:33</b>	

**hand plug @ 1200 165**

**13 bbls to pit**

**Sam Chardier** Field Rep

DATE: **3-8-11**

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.



KE 6 FT

Casing: 7 Inch

Well Name: Rogers 32-31      Location: Sec 31, 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	43.83	43.83	-356.28	-312.45		Centralizer
2	44.49	88.32	-312.45	-267.98		
3	43.85	132.17	-267.98	-224.11		
4	44.46	176.63	-224.11	-179.65		
5	44.12	220.75	-179.65	-135.53		
6	44.75	265.50	-135.53	-90.78		
7	40.64	306.14	-90.78	-50.14		
8	44.14	350.28	-50.14	-6.00		
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31						
TOTAL	350.28					

# Jts Ran: 8  
 Meas: 350.28  
 Set @: 366.28  
 Aprox TD @: 381  
 Threads On: 351.86



KB-GL: 11.8 #1-65

Casing: 2.5 #1-65

Well Name: Rogers 32-31 Location: Sec 31, 68, 89W, Cheyenne Co, KS

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of J)	Depth KB, Ft (top of J)	WV Grade Description
1	0.92	0.92	-1658.72	-1555.80	AFU SHOE
2	35.32	36.24	-1556.80	-1520.48	11.6M-55 Centralizer & Leach
3	42.58	78.82	-1520.48	-1477.90	Centralizer
4	42.04	120.86	-1477.90	-1435.85	Centralizer
5	42.01	162.87	-1435.85	-1393.85	Centralizer
6	42.12	204.99	-1393.85	-1351.73	Centralizer
7	12.08	217.07	-1351.73	-1309.65	Centralizer
8	36.61	253.68	-1309.65	-1301.04	Centralizer
9	42.32	296.00	-1301.04	-1258.72	Centralizer
10	45.34	341.34	-1258.72	-1215.38	
11	48.48	389.82	-1215.38	-1168.90	
12	42.38	432.20	-1168.90	-1124.52	
13	42.03	474.23	-1124.52	-1082.49	
14	35.88	510.09	-1082.49	-1046.63	
15	42.10	552.19	-1046.63	-1004.53	
16	42.16	594.35	-1004.53	-962.37	
17	41.99	636.33	-962.37	-920.39	
18	42.21	678.54	-920.39	-878.18	
19	42.06	720.60	-878.18	-836.12	
20	35.74	756.34	-836.12	-800.36	
21	42.11	798.45	-800.36	-758.27	
22	42.15	840.60	-758.27	-716.12	
23	42.14	882.74	-716.12	-673.98	
24	42.18	924.92	-673.98	-631.80	
25	42.11	967.03	-631.80	-589.69	
26	42.16	1009.19	-589.69	-547.54	
27	42.14	1051.32	-547.54	-505.40	
28	42.14	1093.46	-505.40	-463.25	
29	42.15	1135.61	-463.25	-421.11	
30	35.79	1171.59	-421.11	-385.69	
31	42.22	1213.81	-385.69	-349.11	
32	42.14	1255.95	-349.11	-300.97	
33	42.18	1297.93	-300.97	-258.79	
34	42.14	1340.07	-258.79	-216.65	
35	42.16	1382.22	-216.65	-174.50	
36	42.18	1424.39	-174.50	-132.34	
37	42.08	1466.46	-132.34	-90.26	
38	42.12	1508.58	-90.26	-48.14	
39	42.14	1550.72	-48.14	-6.00	
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85					
TOTAL		1550.72			

JTs Ran 38  
 Mass within 1550.72  
 Set @ 1558.72  
 PBTD @ 1520.48  
 Threads On 1558.11