



KANSAS CORPORATION COMMISSION 1070883
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 (Cora, 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>8/17/2011</u>	<u>8/18/2011</u>	<u>9/1/2011</u>
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-023-21332-00-00

Spot Description: _____
NE SE SE SW Sec. 16 Twp. 3 S. R. 42 East West
530 Feet from North / South Line of Section
2635 Feet from East / West Line of Section

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

County: Cheyenne
Lease Name: Rueb Farm Well #: 24-16B
Field Name: _____
Producing Formation: Niobrara
Elevation: Ground: 3728 Kelly Bushing: 3734
Total Depth: 1729 Plug Back Total Depth: 1680
Amount of Surface Pipe Set and Cemented at: 317 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 Garbar Date: 02/02/2012



1070883

Operator Name: Noble Energy, Inc. Lease Name: Rueb Farm Well #: 24-16B
 Sec. 16 Twp. 3 S. R. 42 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 (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	1532	
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:				
Triple Combo CBL/CCL/GR				

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	317.3	50/50 POZ	150	3% CaCl 2% gel
Production	6.25	4.5	10.5	1719.4	50/50 POZ	108	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	Perf intervals 1530-1583	Frac'd w/500 gals 7.5% HCl acid; 162 bbls MAV-100 gelled water pad;	
	(53' 159 holes) .410 EH 120 deg	364 bbls Mav-100 gelled water w/100,180# 16/30 Texas Gold Sand &	
		40,380 12/20 Texas Gold Sand; 10 bls Mav-100 gelled water flush	

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR. 9/13/2011	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. 0	Gas Mcf 90	Water Bbls. 0	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: 1530-1583
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BISON

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

Invoice

Date	Invoice #
8-17-2011	11068

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

Location	Well Name & No.	Job Type	Terms	Rig		
Cheyenne KS	Rueb Farm 24-16B	Surface	Net 30			
Item	Description	Qty	L/M	Rate	Amount	
Pump surface	PUMP Charge-surface pipe	1		1,400.00	1,400.00	
MILEAGE	Truck Mileage charge	130		4.00	520.00	
MILEAGE	Crew Mileage charge	65		1.50	97.50	
Data Acquisition...	Data Acquisition Charge			225.00	225.00	
	Subtotal of Services				2,242.50	
B3-Late Summer... Discount 10%	50/50 Poz (3%) Discount 10%	150	Snck	16.50 -10.00%	2,475.00 -247.50	
	Subtotal of Materials				4,470.00	
Please Remit Invoices To:					Subtotal	\$4,470.00
Bison Oil Well Cementing, Inc. P.O. Box 29671 Thornton, CO 80229					Sales Tax (8.3%)	\$364.89
					Total	\$4,654.89
					Balance Due	\$4,654.89

x 110%
 \$5,120.38

RECEIVED
 AUG 24 2011



BISON

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

Invoice

PC
Bison

Date	Invoice #
8/18/2011	10166

Bill To
Excell Services, LLC 36620 US HIGHWAY 385 Wray, CO 80758

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne KS	Rueb Farm 24-16B	Production	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump Charge - ...	Pump Charge - Production Pipe	1		2,000.00	2,000.00
MILEAGE	Truck Mileage charge	132		4.00	528.00
MILEAGE	Crew Mileage charge	66		1.50	99.00
Data Acquisition...	Data Acquisition Charge	1		225.00	225.00
	Subtotal of Services				2,852.00
N-Gel-12	Lead 12lb	62	Sack	16.50	1,023.00
Discount 10%	Discount 10%			-10.00%	-102.30
B3-Lite Sumner...	50.50 Poz (3%)	46	Sack	16.50	759.00
Discount 10%	Discount 10%			-10.00%	-75.90
	Subtotal of Materials				4,455.80
Please Remit Invoices To:				Subtotal	\$4,455.80
Bison Oil Well Cementing, Inc. P.O. Box 29671 Thornton, CO 80229				Sales Tax (8.3%)	\$333.11
				Total	\$4,588.91
				Balance Due	\$4,588.91

X 110%
 \$5,047.80

RECEIVED
 AUG 24 2011

BISON OIL WELL CEMENTING, INC.



1736 Winkoof St., Ste 102
 Denver, Colorado 80202
 Phone: 303-296-9010
 Fax: 303-296-8143
 E-mail: bisonoil@questnet.com

REF. INVOICE # 10106
 LOCATION ST. Francis
 FOREMAN Ticwis Kitzler

TREATMENT REPORT

DATE 8-19-11	WELL NAME Rueb Farm #16B	SECTION 16	TWP 3 South	RGE 42W	COUNTY Cheyenne	FIGURE #
SHAPE TO Excell	CURSE: Nibel					
MAKING APPROX	OPERATION					
EST	CONTRACTOR: Excell P.C. #2					
STATE ZONE CODE	INSTANCE TO LOCATION: 6.6					
TIME ARRIVED ON LOCATION: 3:55 pm	TIME LEFT LOCATION: 6 am					

WELL DATA			PRESSURE LIMITATIONS			
HEAT SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
12 1/4						
FEED DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNUAL LIFT			
PSTO 1679						
WARRANTY SIZE	TUBING WEIGHT	OPEN HOLE	STIMING			
4 1/2			TUBING			
CASING LENGTH	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT			
1719			TREATMENT RATE			
CASING WEIGHT	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
10.5			<input checked="" type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
CASING CONDITION: good			<input type="checkbox"/> SQUEEZE CEMENT	FRAC BPM		
			<input type="checkbox"/> ACID BREAKDOWN	INITIAL BPM		
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM		
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM		
			<input type="checkbox"/> MISC FLOOD	INITIAL MP = GATE 1 PRESSURE X 41.6		
			<input type="checkbox"/> OTHER			

PRESSURE SUMMARY			
BREAKDOWN OR CIRCULATING	PSI	AVERAGE	PSI
BEAR DISPLACEMENT	PSI	60P	PSI
RESIDUAL	PSI	5 MIN SP	PSI
MAINTENANCE	PSI	15 MIN SP	PSI
RESIDUAL	PSI		PSI

INSTRUCTIONS PRIOR TO JOB: **MIRU Safety Circ, M4P 62 SKs of Nq=1-12, 12.0 bbl/gal 2.21 yd, 17.04 gal/sk 17.7 bbls of mix, M4P 46 SKs of Big life 13.8 bbl/gal, 1.33 yd, 6.25 gal/sk 6.5 BBLs of mix, Drop plug, Displace 27 bbls, Set plug**
Shot well in, Clean up, Move off location, 20% excess on lead

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS:
MIRU Safety Circ M4P 1174P drop plug displace
4:30 pm 6:05 pm 6:09 pm 6:23 pm 6:33 pm 6:43 pm 6:44 pm

6:46 pm 10 50 psi
6:50 pm 20 300 psi
6:54 pm 27 1180 psi
four bbls to the pt
Set plug at 6:54 @ 1180

[Signature]

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 hereof which include the release and indemnity.

KE 6 Ft

Casing: 7 inch

Well Name: Rueb Farm 24-168

Location: Sec 16, 3S, 42W, 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	38.82	38.82	-317.26	-278.44		Centralizer & Baffle Plate
2	39.16	77.98	-278.44	-239.28		
3	39.10	117.08	-239.28	-200.18		
4	38.62	155.70	-200.18	-161.56		
5	38.71	194.41	-161.56	-122.85		
6	39.05	233.46	-122.85	-83.80		
7	38.64	272.10	-83.80	-45.16		
8	39.16	311.26	-45.16	-6.00		
9						
10						
11						
12						
13					# Jts Ran 8	
14					Meas. 311.26	
15					Set @ 317.26	
16					Aprox TD @ 322	
17					PBTD @ 278.44	
18					Threads On 312.84	
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
TOTAL	311.26					

KB-GL: 6 Ft

Casing: 4.5 10.5 # J-55

Well Name: Rueb Farm 24-16B Location: Sec 16, 35, 42W, Cheyenne Co. KS

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	WV Grade	Description
1	38.38	39.70	-1718.42	-1718.10	10.5AJ-55	AFU SHOE
2	38.57	78.27	-1718.10	-1679.72		Centralizer & Latch
3	38.59	116.86	-1679.72	-1641.15		Centralizer
4	39.37	156.23	-1641.15	-1602.56		Centralizer
5	38.78	195.01	-1602.56	-1563.19		Centralizer
6	38.85	233.86	-1563.19	-1524.41		Centralizer
7	21.22	255.08	-1524.41	-1485.56		Centralizer
8	38.84	293.92	-1485.56	-1446.34		Centralizer
9	38.85	332.77	-1446.34	-1407.10		
10	38.00	371.23	-1407.10	-1367.85		
11	38.24	409.47	-1367.85	-1328.60		
12	38.70	448.17	-1328.60	-1289.35		
13	38.54	486.71	-1289.35	-1250.10		
14	38.47	525.18	-1250.10	-1210.85		
15	38.38	564.56	-1210.85	-1171.60		
16	38.60	603.16	-1171.60	-1132.35		
17	38.55	641.71	-1132.35	-1093.10		
18	38.49	680.20	-1093.10	-1053.85		
19	38.29	718.49	-1053.85	-1014.60		
20	38.48	756.95	-1014.60	-975.35		
21	38.71	795.66	-975.35	-936.10		
22	38.23	833.89	-936.10	-896.85		
23	38.54	872.43	-896.85	-857.60		
24	38.36	910.79	-857.60	-818.35		
25	38.27	949.06	-818.35	-779.10		
26	38.84	987.90	-779.10	-739.85		
27	38.90	1026.80	-739.85	-700.60		
28	38.88	1065.68	-700.60	-661.35		
29	38.54	1104.22	-661.35	-622.10		
30	38.37	1142.59	-622.10	-582.85		
31	38.68	1181.25	-582.85	-543.60		
32	38.73	1219.98	-543.60	-504.35		
33	38.31	1258.29	-504.35	-465.10		
34	38.28	1296.55	-465.10	-425.85		
35	37.75	1334.30	-425.85	-386.60		
36	42.12	1376.42	-386.60	-347.35		
37	42.10	1418.52	-347.35	-308.10		
38	42.11	1460.63	-308.10	-268.85		
39	42.10	1502.73	-268.85	-229.60		
40	42.07	1544.80	-229.60	-190.35		
41	42.19	1586.99	-190.35	-151.10		
42	42.13	1629.12	-151.10	-111.85		
43	42.21	1671.33	-111.85	-72.60		
44	42.09	1713.42	-72.60	-33.35		
45						
46						
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76						
77						
78						
79						
80						
81						
82						
83						
84						
85						
TOTAL		1713.42				

JTs Ran 44
 Meas w/shoe 1713.42
 Set @ 1718.42
 PBTD @ 1679.72

Threads On 1721.73