



KANSAS CORPORATION COMMISSION 1059457
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 S1OW
 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 #:
04/09/2011 04/17/2011 06/03/2011
Spud Date or Date Reached TD Completion Date or Recompletion Date

API No. 15 - 15-023-21313-00-00
Spot Description:
S2 SE SE Sec. 32 Twp. 5 S. R. 39 East West
330 Feet from North / South Line of Section
660 Feet from East / West Line of Section
Footages Calculated from Nearest Outside Section Corner:
 NE NW SE SW
County: Cheyenne
Lease Name: R Zwegardt Well #: 44-32
Field Name:
Producing Formation: Niobrara
Elevation: Ground: 3596 Kelly Bushing: 3602
Total Depth: 1565 Plug Back Total Depth: 1519
Amount of Surface Pipe Set and Cemented at: 391 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: 07/12/2011



1059457

Operator Name: Noble Energy, Inc. Lease Name: R Zwegardt Well #: 44-32
 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 (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	1336	
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	391	50/50 POZ	167	3% CaCl ₂ 2% Gel
Production	6.25	4.50	10.5	1559	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
<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 (Amount and Kind of Material Used)	Depth
3	1336-1362 perf intervals	500 gal 7.5% HCL acid; 114 bbls MAV-100 gelled water pad; 256 bbls	
	(28' 78 holes) .410 EH 120 Deg	MAV-100 gelled water w/49,980# 16/30 Daniels Sand & 50,580# 12/20	
		Daniels Sand. Flush w/8.5 bbls MAV-100 gelled water.	

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. 06/20/2011	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 77	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. <input type="checkbox"/> Commingled (Submit ACO-5) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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BISON

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

Invoice

Erin

Date	Invoice #
4/9/2011	9938

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

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne KS	RZweygaard-44-32	Surface	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump surface	PUMP Charge surface pipe	1		1,400.00	1,400.00
MILEAGE	Mileage charge	174		3.00	522.00
	Subtotal of Services				1,922.00
Centralizer 7"	Centralizer 7"	1		77.50	77.50T
B3-Lite	50/50 Poz. (3%)	167	Sack	16.50	2,755.50T
Discount 10%	Discount 10%			-10.00%	-275.55
	Subtotal of Materials				2,557.45
					4,479.45

Please Remit Invoices To:

Bison Oil Well Cementing, Inc.
 P.O. Box 29671
 Thornton, CO 80229

Subtotal	\$4,479.45
Sales Tax (8.3%)	\$212.26
Total	\$4,691.71
Balance Due	\$4,691.71

x 110%
\$ 5,160.88

RECEIVED
 APR 19 2011

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3070
 Fax: 303-296-6143
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 4938
 LOCATION ST Francis KS
 FOREMAN Justin Crickler

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-9-11	R. Zwegardt 44-32	32	5S	39W	Cherokee	
CHARGE TO <u>Excell</u>			OWNER			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excell Rig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>87</u>			
TIME ARRIVED ON LOCATION <u>11:15am</u> <u>Reg 12:30</u>			TIME LEFT LOCATION <u>3:00pm</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
<u>9 3/4"</u>					
TOTAL DEPTH <u>396</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>391</u>	<u>PB351</u>	TREATMENT WA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>17</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE <input type="checkbox"/> PRODUCTION CASING <input type="checkbox"/> SQUEEZE CEMENT <input type="checkbox"/> ACID BREAKDOWN <input type="checkbox"/> ACID STIMULATION <input type="checkbox"/> ACID SPOTTING <input type="checkbox"/> MISC PUMP <input type="checkbox"/> OTHER		BREAKDOWN BPM INITIAL BPM FINAL BPM MINIMUM BPM MAXIMUM BPM AVERAGE BPM HYD HWP = RATE X PRESSURE X 40.8
PRESSURE SUMMARY					
BREAKDOWN @ CIRCULATING PSI	AVERAGE	PSI			
FINAL DISPLACEMENT	ISP	PSI			
ANNULUS	5 MIN SIP	PSI			
MAXIMUM	15 MIN SIP	PSI			
MINIMUM		PSI			

INSTRUCTIONS PRIOR TO JOB MIRU Safety Circ MWP 1475 lbs of B3 Lite Yield of 1.13 mix 19 bbls of H₂O/H₂O
Reg 9.78 gal/stk @ 15.2 lbs Dropping Displace 14.5 bbls of H₂O shut in

Annulus 2647 Capacity 0415 80% excess water mat

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS MIRU Safety Circ MWP Dropping Displace shut in
11:45pm 7:25pm 7:27pm 7:28pm 2:37pm 2:38pm 2:46pm

2:42pm 10 330
2:45pm 14.5 290

15 bbls to pit

McGee
 AUTHORIZATION TO PROCEED

Push
 TITLE

4/9/11
 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

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

Invoice

Ann

Date	Invoice #
4/17/2011	9940

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

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne, KS	RZweygarh 44-32	Production	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump-long string	PUMP charge-long string	1		2,000.00	2,000.00
MILEAGE	Mileage charge	174		3.00	522.00
	Subtotal of Services				2,522.00
Centralizer 4 1/2"	Centralizer 4 1/2"	8		42.00	336.00T
Float Shoe 4 1/2"	Float Shoe 4 1/2"	1		285.00	285.00T
LD Plug -4 1/2"	LD Plug & Baffle - 4 1/2"	1		253.00	253.00T
N-Gel-12 Discount 10%	Lead 12lb Discount 10%	40	Sack	16.50 -10.00%	660.00T -66.00
BG-Lite Discount 10%	Tail 13.8 lb/gal 50/50 Poz Discount 10%	56		16.50 -10.00%	924.00T -92.40
	Subtotal of Materials				2,299.60
					4,821.60

Please Remit Invoices To:

Bison Oil Well Cementing, Inc.
 P.O. Box 29671
 Thornton, CO 80229

Subtotal	\$4,821.60
Sales Tax (8.3%)	\$190.87
Total	\$5,012.47
Balance Due	\$5,012.47

X 110%

\$5,513.72

RECEIVED
 MAY 02 2011

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-298-3010
 Fax: 303-298-8143
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 7490

LOCATION St Francis KS

FOREMAN Justin Crinklaw

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RNG	COUNTY	FORMATION
4-17-11	RZwegardt 44-32	32	55	39W	Cheyenne	

CHARGE TO <u>Excell</u>	OPERATOR
MAILING ADDRESS	OPERATOR
CITY	CONTRACTOR <u>Excell Rig 2</u>
STATE ZIP CODE	DISTANCE TO LOCATION <u>87</u>
TIME ARRIVED ON LOCATION <u>3:00pm</u>	TIME LEFT LOCATION <u>7:00pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>6 7/8</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1565</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STING		
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1558</u>	<u>PB 1519</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>105</u>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			<input checked="" type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT		FRIAL BPM
			<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER		HYD IHP = RATE X PRESSURE X 40.8

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		

INSTRUCTIONS PRIOR TO JOB MIRU Safety Circ @MHP 40 sks of N-5cl-12 1/2 yield of 2.64 Mix 14.8 bbls of H2O
1/2 H2O Reg 15.6 gal/sks @ 12.0 lbs @ MHP 56 sks of BG Lite 1/2 yield of 1.35 Mix 13 bbls of H2O 1/2 H2O Reg.
9.7 gal/sks @ 13.8 lbs Drop Plug Displace 2 1/2 bbls of H2O set plug
5 bbls fresh, 10 bbls dye, 15 fresh before cementing per job
Annulus .1026 Capacity .0159 20% excess per zone

JOB SUMMARY	MIRU	Safety	Circ @MHP	@MHP	Drop Plug	Displace	Set
DESCRIPTION OF JOB EVENTS	3:00pm	5:35pm	5:37pm	5:50pm	6:01pm	6:19pm	6:22pm 6:35pm

	6:27pm	10	330
	6:31pm	20	520
	6:34pm	24.1	1300

14 bbls to pit

Steve [Signature] AUTHORIZATION TO PROCEED Field Rep TITLE 4-17-11 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



KB: 6 Ft

Casing: 7 inch

Well Name: R. Zwegardt 44-32 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	41.51	41.51	-391.10	-349.59		Centralizer
2	44.32	85.83	-349.59	-305.27		
3	43.52	129.35	-305.27	-261.75		
4	43.52	172.87	-261.75	-218.23		
5	44.65	217.52	-218.23	-173.58		
6	44.31	261.83	-173.58	-129.27		
7	43.45	305.28	-129.27	-85.82		
8	44.30	349.58	-85.82	-41.52		
9	35.52	385.10	-41.52	-6.00		
10						
11						
12						
13						
14					# Jts Ran 9	
15					Meas. 385.10	
16					Set @ 391.10	
17					Aprox TD @ 396	
18					Threads On 386.88	
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
TOTAL	385.10					



KB-GL: 6 Ft

Casing: 4.5, 10.5 # J-55

Well Name: R. Zwegardt 44-32

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

Joint No.	Joint Length, Ft	Total Footage, Ft	Depth KB, Ft (base of jt)	Depth KB, Ft (top of jt)	W/ Grade	Description
1	0.92	0.92	-1558.95	-1558.03		AFU SHOE
2	39.00	39.92	-1558.03	-1519.03	11.6#J-55	Centralizer & Latch
3	38.88	78.80	-1519.03	-1480.15		Centralizer
4	39.28	118.08	-1480.15	-1440.87		Centralizer
5	39.03	157.11	-1440.87	-1401.84		Centralizer
6	39.05	196.16	-1401.84	-1362.79		Centralizer
7	39.98	236.14	-1362.79	-1322.81		Centralizer
8	15.10	251.24	-1322.81	-1307.71		Centralizer
9	38.88	290.12	-1307.71	-1268.83		
10	40.19	330.31	-1268.83	-1228.64		
11	39.00	369.31	-1228.64	-1189.64		
12	40.95	410.26	-1189.64	-1148.69		
13	40.67	450.93	-1148.69	-1108.02		
14	38.15	489.08	-1108.02	-1069.87		
15	40.88	530.04	-1069.87	-1028.91		
16	39.02	569.06	-1028.91	-989.89		
17	41.28	610.34	-989.89	-948.61		
18	37.89	648.23	-948.61	-910.72		
19	37.10	685.33	-910.72	-873.62		
20	38.18	723.51	-873.62	-835.44		
21	37.95	761.46	-835.44	-797.49		
22	40.14	801.60	-797.49	-757.35		
23	39.64	841.24	-757.35	-717.71		
24	38.97	880.21	-717.71	-678.74		
25	37.76	917.97	-678.74	-640.98		
26	40.69	958.66	-640.98	-600.29		
27	40.74	999.40	-600.29	-559.55		
28	37.70	1037.10	-559.55	-521.85		
29	42.10	1079.20	-521.85	-479.75		
30	37.89	1117.09	-479.75	-441.86		
31	40.61	1157.70	-441.86	-401.25		
32	37.84	1195.54	-401.25	-363.41		
33	40.76	1236.29	-363.41	-322.66		
34	40.85	1277.14	-322.66	-281.81		
35	38.09	1315.23	-281.81	-243.72		
36	38.10	1353.33	-243.72	-205.82		
37	38.03	1391.36	-205.82	-167.59		
38	41.25	1432.61	-167.59	-126.34		
39	38.43	1471.04	-126.34	-87.91		
40	40.93	1511.97	-87.91	-46.98		
41	40.98	1552.95	-46.98	-6.00		
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TOTAL		1552.95				

JTs Ran 40
 Meas w/shoe 1552.95
 Set @ 1558.95
 PBTD @ 1519.03