



KANSAS CORPORATION COMMISSION 1059408
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 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: _____
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 #: _____
04/19/2011 04/20/2011 06/06/2011
Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 15-023-21310-00-00
Spot Description: _____
S2 NE SW SE Sec. 32 Twp. 5 S. R. 39 East West
820 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: R Zweggardt Well #: 34-32
Field Name: _____
Producing Formation: Niobrara
Elevation: Ground: 3606 Kelly Bushing: 3610
Total Depth: 1564 Plug Back Total Depth: 1491
Amount of Surface Pipe Set and Cemented at: 400 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: 07/14/2011



1059408

Operator Name: Noble Energy, Inc. Lease Name: R Zwegardt Well #: 34-32
 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	1326	
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	400	50/50 POZ	167	3%CaCl 2% Gel
Production	6.25	4.5	11.6	1534	50/50 POZ	95	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	1326-1358 perf intervals	500 gal 7.5% HCL acid; 114 bbls MAV-100 gelled wtr pad;	
	(32' 96 holes) .410 EH 120 Deg	256 bbls MAV-100 gelled water w/50,020# 16/30 Daniels	
		sand & 50,080# 12/20 Daniels Sand; Flush w/8.2 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. 06/21/2011	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 75	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

Date	Invoice #
4/19/2011	0042

Bill To
Excell Services, LLC 36629 US HIGHWAY 385 Wray, CO 80756

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne, KS	RZweygandl 34-32	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	176		3.00	528.00
	Subtotal of Services				1,928.00
Centralizer 7"	Centralizer 7"	1		77.50	77.50
B3-Lite	50/50 1/2" (3%)	167	Sack	16.50	2,755.50
Discount 10%	Discount 10%			-10.00%	-375.55
	Subtotal of Materials				2,557.45
					4,485.45

Please Remit Invoices To:

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

Subtotal	\$4,485.45
Sales Tax (8.3%)	\$212.26
Total	\$4,697.71
Balance Due	\$4,697.71

K 110.00
 \$ 5,167.48

RECEIVED

APR 29 2011

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-295-3010
 Fax: 303-296-8143
 E-mail: bisonoil@qwestoffice.net

REF. INVOICE # 9942
 LOCATION St Francis KS
 FOREMAN Justin Ceibkew

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RNG	COUNTY	FORMATION
4-19-11	R. Zwycyadot 34-32	32	55	39W	Cheyenne	

CHANGE TO	<u>Excell</u>	OWNER		
MAILING ADDRESS		OPERATOR		
CITY		CONTRACTOR	<u>Excell Rig 2</u>	
STATE ZIP CODE		DISTANCE TO LOCATION	<u>98</u>	
TIME ARRIVED ON LOCATION	<u>7:00pm</u>	<u>8:00pm</u>	TIME LEFT LOCATION	<u>10:00pm</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>9 7/8"</u>				
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LOG	
<u>405</u>				
	TUBING WEIGHT	OPEN HOLE	STIRING	
CASING SIZE	TUBING CONDITION	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
<u>7"</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING DEPTH	<u>PB 359.9</u>		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
<u>399.9</u>			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
CASING WEIGHT	PACKER DEPTH		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
<u>258.917</u>			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
CASING CONDITION	<u>good</u>		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
			<input type="checkbox"/> MISC PLUG	
			<input type="checkbox"/> OTHER	MTD HWP = RATE X PRESSURE X 400

PRESSURE SUMMARY		TREATMENT RATE	
BREAKDOWN or CIRCULATING	AVERAGE	INITIAL BPM	FINAL BPM
FINAL DISPLACEMENT	ISIP		
ANNULUS	5 MIN BP		
MAXIMUM	15 MIN BP		
MINIMUM			

INSTRUCTIONS PRIOR TO JOB MIRU Safety Circ MAP 167 SKS of B3 Lite 1/2 yield of 1.13 mix 19 bbls of H2O 1/2 H2C rep 4.78 gal/SKS Dropplug Displace 14.9 bbls of H2O Shutin

Annulus = 2647 Capacity 10415 78% excess as per mark

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS MIRU Safety Circ MAP Dropplug Displace Shutin

7:00pm 9:40pm 8:43pm 8:58pm 9:20pm 9:22pm 9:32pm

9:26pm 10 220

9:31pm 15 200

15 bbls to P'X

[Signature]
 AUTHORIZATION TO PROCEED

[Signature]
 TITLE

4/19/11
 DATE

Customers hereby acknowledge and specifically agree 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

Bm

Date	Invoice #
4/20/2011	9944

Bill To
Excell Services, LLC 16629 US HIGHWAY 385 Wray, CO 80758

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne, KS	RZweygardt 34-32	Longstring	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	176		3.00	528.00
	Subtotal of Services				2,528.00
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
Centralizer 4 1/2"	Centralizer 4 1/2"	8		42.00	336.00T
N-Gel-12	Lead 12lb	39	Sack	16.50	643.50T
Discount 10%	Discount 10%			-10.00%	-64.35
BG-Lite	Tail 13.8 (Legal 50/50-Poz)	56	Sack	16.50	924.00T
Discount 10%	Discount 10%			-10.00%	-92.40
	Subtotal of Materials				2,284.75
					4,812.75

Please Remit Invoices To:

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

Subtotal	\$4,812.75
Sales Tax (8.3%)	\$189.63
Total	\$5,002.38
Balance Due	\$5,002.38

X 110%
 \$ 5,502.62

RECEIVED

APR 29 2011

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-298-8145
 E-mail: bisonoil@qwestoffice.net

REF INVOICE # 7444
 LOCATION St. Francis
 FOREMAN Randy Newton

TREATMENT REPORT

DATE <u>4-20-11</u>	WELL NAME <u>R. Zweggardt 34-32</u>	SECTION <u>32</u>	TWP <u>5S</u>	RGE <u>39W</u>	COUNTY <u>cheyenne</u>	FEDERATION
CHANGE TO <u>Epcell</u>			OWNER <u>Noble</u>			
MAKING ADDRESS			OPERATION			
CITY			CONTRACTOR <u>Epcell Fig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>88 mi.</u>			
TIME ARRIVED ON LOCATION <u>5:15 p.m.</u>			TIME LEFT LOCATION <u>6:45 p.m.</u>			

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	RESTRICTED
<u>6 1/4</u>				
TOTAL DEPTH <u>1564</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LOGS	
	TUBING WEIGHT	OPEN HOLE	STING	
CASING SIZE <u>4 1/2</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>1534</u>	<u>POD 1491</u>	TREATMENT VIA	TREATMENT RATE	
CASING WEIGHT <u>11.62</u>	PACKER DEPTH		1 SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION <u>5-6-1</u>			1 PRODUCTION CASING	INITIAL BPM
			1 SQUEEZE CEMENT	FINAL BPM
			1 ACID BREAKDOWN	MINIMUM BPM
			1 ACID STIMULATION	MAXIMUM BPM
			1 ACID SPOTTING	AVERAGE BPM
			1 ANSC PUMP	
			1 OTHER	

PRESSURE SUMMARY		TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi		
FINAL DISPLACEMENT	psi	ISP	psi		
ANNULUS	psi	5 MIN SP	psi		
MAXIMUM	psi	15 MIN SP	psi		
ANNULUS	psi				

INSTRUCTIONS PRIOR TO JOB MTRU 5m circ mtp 39 sts N-6-cl-12 @ 12 1/8 gal water/sec
of 15.6 gal per sk 14.5 tub mix yield of 2.64 cu ft per mtp 50 sts of 36-1 1/4
@ 13.8 1/8 gal water per sec @ 9.7 gal/sec 13 bbl mix water ~~1.35 cu ft per~~ 1.35 cu ft per TRIP
plus Displace w/ 23.1 bbls H2O land plug rig down
20% excess as per Sam chart for Field Ref.

JOB SUMMARY	MTRU	5m	circ	mtp	mtp	POD
DESCRIPTION OF JOB EVENTS	<u>5:15 p.m.</u>	<u>5:45 p.m.</u>	<u>5:50 p.m.</u>	<u>5:55 p.m.</u>	<u>6:00 p.m.</u>	<u>6:08 p.m.</u>
<u>Displace</u>		<u>land plug</u>	<u>Rig down</u>			
	<u>6:13 p.m.</u>	<u>6:27</u>	<u>6:45 p.m.</u>			
	<u>6:17 10 350</u>					
	<u>6:21 20 550</u>					
	<u>6:30 27 1000</u>					

8 bbls cement to p. 7

S. Chubb Field Rep 4-20-11
 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.



KB : 6 Ft

Casing: 7 Inch

Well Name: R. Zwegardt 34-32 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	43.47	43.47	-399.90	-356.43		Centralizer
2	43.52	86.99	-356.43	-312.91		
3	44.70	131.69	-312.91	-268.21		
4	43.35	175.04	-268.21	-224.86		
5	43.47	218.51	-224.86	-181.39		
6	44.30	262.81	-181.39	-137.09		
7	43.25	306.06	-137.09	-93.84		
8	43.51	349.57	-93.84	-50.33		
9	44.33	393.90	-50.33	-6.00		
10						
11						
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27						
28						
29						
30						
31						
TOTAL	393.90					

Jts Ran 9
 Meas: 393.90
 Set @ 399.90
 Aprox TD @ 405
 Threads On 395.68



KB-GL: 6 R.

Casing: 4.5 11.8 # J-55

Well Name: R. Zwycarnk 34-32

Location: Sec 32, 5S, 39W, 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
	0.02	0.02	-1534.33	-1533.41		AFU SHOE
1	42.14	43.06	-1533.41	-1491.27	11.6#J-55	Centralizer & Latch
2	42.18	85.24	-1491.27	-1449.09		Centralizer
3	42.08	127.32	-1449.09	-1407.01		Centralizer
4	42.20	169.52	-1407.01	-1364.81		Centralizer
5	42.09	211.61	-1364.81	-1322.72		Centralizer
6	42.07	253.68	-1322.72	-1280.65		Centralizer
7	15.18	268.86	-1280.65	-1238.47		Centralizer
8	42.11	310.97	-1238.47	-1196.36		Centralizer
9	42.12	353.09	-1196.36	-1154.24		
10	42.02	395.11	-1154.24	-1112.22		
11	42.13	437.24	-1112.22	-1070.09		
12	42.25	479.49	-1070.09	-1027.84		
13	42.18	521.67	-1027.84	-985.66		
14	42.09	563.76	-985.66	-943.57		
15	40.95	604.71	-943.57	-901.62		
16	42.19	646.90	-901.62	-859.43		
17	38.75	685.65	-859.43	-817.68		
18	42.16	727.81	-817.68	-775.50		
19	42.05	769.86	-775.50	-733.45		
20	42.07	811.93	-733.45	-691.38		
21	42.07	854.00	-691.38	-649.31		
22	42.12	896.12	-649.31	-607.19		
23	42.13	938.25	-607.19	-565.06		
24	42.12	980.37	-565.06	-522.94		
25	42.10	1022.47	-522.94	-480.82		
26	42.16	1064.63	-480.82	-438.66		
27	42.14	1106.77	-438.66	-396.54		
28	42.15	1148.92	-396.54	-354.39		
29	42.18	1191.10	-354.39	-312.21		
30	42.19	1233.29	-312.21	-270.02		
31	42.15	1275.44	-270.02	-227.87		
32	42.10	1317.54	-227.87	-185.77		
33	42.15	1359.69	-185.77	-143.62		
34	42.08	1401.77	-143.62	-101.54		
35	42.12	1443.89	-101.54	-59.42		
36	42.18	1486.07	-59.42	-17.24		
37	42.24	1528.31	-17.24	-3.00		
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84						
85						
TOTAL		1528.33				

JTs Ran 37
 Meas w/shoe 1528.33
 Set @ 1534.33
 PSTD @ 1491.27
 Threads On 1535.50