



KANSAS CORPORATION COMMISSION 1071151
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: Liz Lindow
Phone: (303) 228-4342
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 #: _____

8/22/2011	8/23/2011	9/1/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-023-21326-00-00

Spot Description: _____
NE NW NE SW Sec. 32 Twp. 3 S. R. 41 East West
2475 Feet from North / South Line of Section
1800 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: Cheyenne

Lease Name: Zweygardt Well #: 23-32B

Field Name: _____

Producing Formation: Niobrara

Elevation: Ground: 3616 Kelly Bushing: 3622

Total Depth: 1631 Plug Back Total Depth: 1554

Amount of Surface Pipe Set and Cemented at: 284 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 Gantsoi Date: 02/07/2012



1071151

Operator Name: Noble Energy, Inc. Lease Name: Zweygardt Well #: 23-32B
 Sec. 32 Twp. 3 S. R. 41 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	1406
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	279	50/50 POZ	130	3% CaCl, 2% Gel, .25% Flo-Ca
Production	6.25	4.5	10.5	1594	50/50 POZ	116	12% Gel, 2% CaCl, 2% Gel, 1% CFL-8K

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: 1415-1466	Frac'd w/500 gals 7.5% HCl acid; 162 bbls Mav-100 gelled water pad;	
	(51' 153 shots) .410 EH 120 deg	362 bbls Mav-100 gelled water w/100,220# 16/30 Texas Gold sand &	
		39,980# 12/20 Texas Gold sand; 9 bbls 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: 9/12/2011	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.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity
		54		

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) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: 1415-1466
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BISON

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

Invoice

*1-
Bison*

Date	Invoice #
8/23/2011	10111

Bill To
Excel Services, LLC 36029 US HIGHWAY 385 Wray, CO 80758

Location	Well Name & No.	Job Type	Terms	Rtg	
Cheyenne, KS	Zweygari 23-32B	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	140		4.00	560.00
MILEAGE	Mileage charge	70		.50	105.00
Data Acquisition...	Data Acquisition Charge Subtotal of Services	1		225.00	225.00 2,290.00
B3-Lite Summer... Discount 10%	50/50 Poz (3%) Discount 10% Subtotal of Materials	130	Sack	16.50 -10.00%	2,145.00 -214.50 1,930.50 4,220.50

Please Remit Invoices To:

Bison Oil Well Cementing, Inc.
 P.O. Box 24671
 Thornton, CO 80229

Subtotal	\$4,220.50
Sales Tax (8.3%)	\$160.24
Total	\$4,380.74
Balance Due	\$4,380.74

x 110%
\$4,818.81

RECEIVED
 SEP 01 2011

BISON OIL WELL CEMENTING, INC.



1738 Winkler St., Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-296-6143
 E-mail: bisonoil@westoffice.net

REF INVOICE # 10111

LOCATION: St. Francis

FOREMAN: Randy Newton

TREATMENT REPORT

DATE <u>8-23-11</u>	WELL NAME <u>Zweigert 23-32B</u>	SECTION <u>32</u>	TWP <u>35</u>	RANGE <u>41W</u>	COUNTY <u>cheyenne</u>	FEDERATION
CHARGE TO <u>Excell</u>			OWNER <u>Noble</u>			
MAILING ADDRESS			OPERATOR			
CITY			CONTRACTOR <u>Excell rig 2</u>			
STATE ZIP CODE			DISTANCE TO LOCATION <u>70m</u>			
TIME ARRIVED ON LOCATION <u>7:00 am (15:00M)</u>			TIME LEFT LOCATION <u>9:30 pm</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>6 7/8"</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	RESTRICTED
TOTAL DEPTH <u>254'</u>	TUBING DEPTH	SHOTS/FT	SURFACE PWC ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>7"</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>279'</u>	<u>2 242'</u>	TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>17#</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT	NETIVE BPM	
BREAKDOWN or CIRCULATING IS	AVERAGE IS		<input type="checkbox"/> ACID BREAKDOWN	FINAL BPM	
FRIL DISPLACEMENT IS	ISP IS		<input type="checkbox"/> ACID STIMULATION	GALDRAI BPM	
ANNULUS IS	5 MIN SIP IS		<input type="checkbox"/> ACID SPOTTING	MAXIMUM BPM	
MAXIMUM IS	15 MIN SIP IS		<input type="checkbox"/> MISC PUMP	AVERAGE BPM	
ANNULUS IS			<input type="checkbox"/> OTHER	MVD BPM = RATE x PRESSURE x GLE	

INSTRUCTIONS PRIOR TO JOB MIRU 5m Circ msp 130sk Drop plug Displace
lbs per gal water 14.2 gal/sk 13 bbl mix water yield at 107 gal/sk
Drop plug 7.3 place with 10 bbl H₂O shut in well rig down

90% excess as per mark 7.00 tool pusher

DESCRIPTION OF JOB EVENTS	MIRU	5m	Circ	msp	Drop plug	Displace
	7:00pm	8:00pm	8:55pm	8:57pm	9:00pm	9:04
Shut in						
	9:08pm	9:10pm				9:07-10 150

3 bbls report

[Signature] Rush 8/23/11
 AUTHORIZED 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.



BISON

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

Invoice

*pc
Bison*

Date	Invoice #
8/24/2011	10016

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

Location	Well Name & No.	Job Type	Terms	Rig	
Cheyenne, KS	Zweygardt 23-32B	Production	Net 30		
Item	Description	Qty	U/M	Rate	Amount
Pump Charge - ...	Pump Charge - Production Pipe	1		2,000.00	2,000.00
MILEAGE	Mileage charge	140		4.00	560.00
MILEAGE	Mileage charge	70		1.50	105.00
	Subtotal of Services				2,665.00
BG-Lite	Tail 12.8 lb/gal 50/50 Poz	36	Sack	16.50	924.00
Discount 10%	Discount 10%			-10.00%	-92.40
N-Gel-12	Lead 12lb	60	Sack	16.50	990.00
Discount 10%	Discount 10%			-10.00%	-99.00
Mud Flush (bag)	Mud Flush	2		125.00	250.00
KCL Mud Flush	(BHS 117)	4	qt	25.00	100.00
	Subtotal of Materials				2,072.60
					4,737.60

Please Remit Invoices To:
 Bison Oil Well Cementing, Inc.
 P.O. Box 29671
 Thornton, CO 80229

Subtotal	\$4,737.60
Sales Tax (8.3%)	\$172.03
Total	\$4,909.63
Balance Due	\$4,909.63

x 110%
\$5,400.59

RECEIVED
 SEP 01 2011

BISON OIL WELL CEMENTING, INC.



1736 Wynkoop St. Ste. 102
 Denver, Colorado 80202
 Phone: 303-296-3010
 Fax: 303-296-6113
 E-mail: bisonoil@earthlink.net

REF INVOICE # 10116
 LOCATION ST. FRANCIS
 FOREMAN Ikus

TREATMENT REPORT

DATE B-24-11	WELL NAME Zweigert 23-32 B	SECTION 32	TWP 3S	RANGE 41W	COUNTY Cheyenne	FORMATION
CHANGE TO Excel		WELL # Nabel				
MAY, P.O. ADDRESS		OPERATION				
CITY		CONTRACTOR Excel r.g #2				
STATE AND OFFICE		DISTANCE TO LOCATION 70				
TIME ARRIVED ON LOCATION 5:15 pm		REQ 5:30		TIME LEFT LOCATION 9 pm		

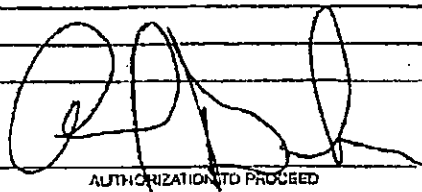
WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 6 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 1631	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS (LWD)		
PSTD 1553	TUBING WEIGHT	OPEN HOLE	STING		
CASING SIZE 4 1/2	TUBING CONDITION		TUBING		
CASING DEPTH 1594		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 105	PACKER DEPTH		SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			PRODUCTION CASING		INITIAL BPM
			SQUEEZE CEMENT		FINAL BPM
			ACID BREAKDOWN		ANNULUS BPM
			ACID STIMULATION		MAXIMUM BPM
			ACID SPOTTING		AVERAGE BPM
			MISC FLOPP		
			OTHER		HYD HHP = RATE X PRESSURE X 40.8

PRESSURE SUMMARY			
BREAKDOWN OR CIRCULATION (psi)	AVERAGE (psi)	ESP (psi)	
FINAL DISPLACEMENT (psi)		5 MIN SIP (psi)	
ANNULUS (psi)		15 MIN SIP (psi)	
MAXIMUM (psi)			
MINIMUM (psi)			

INSTRUCTIONS PRIOR TO JOB **MTRD, Safety Circ, 20 bbl mud flush w/ 2% KCl on sap**
~~top~~ **m+p 60 sks of Npel-17 17.0 lb/gal, 2.21 yd, 17.04 gal/sk 17 bbls of mix water, m+p 56 sks of Bq-lite 13.8 lb/gal 1.33 yd, 6.28 gal/sk 8.3 bbls of mix water drop plug displace 7.5 bbls w/ 2% KCl, shut well in clean up move of location 30% excess on lead**

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS
MTRD Safety Circ - m+p m+p drop plug Dispre
5:30 pm 7:02 pm 7:27 pm 7:32 pm 7:37 pm 7:47 pm 7:47 pm

4 BBLs to pit
280 psi 10 ~~7:47~~ 7:51 pm
330 psi 20 7:53 pm
1160 psi 24 7:57 pm
Set plug at 7:57 pm @ 1160 psi


 AUTHORIZATION TO PROCEED _____ TITLE _____ 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.

KB-GL: 6' Ft
 Casing: 4.5 10.5 # J-55

Well Name: Zweygant 23-32B

Location: Sec 32, 3S, 41W, 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	1.32	1.32	-1594.06	-1592.74		AFU SHOE
2	39.08	40.40	-1592.74	-1553.66	10.5#J-55	Centralizer & Latch
3	39.16	79.58	-1553.66	-1514.50		Centralizer
4	39.20	118.78	-1514.50	-1475.30		Centralizer
5	39.31	158.07	-1475.30	-1435.99		Centralizer
6	39.33	197.40	-1435.99	-1396.66		Centralizer
7	38.75	236.15	-1396.66	-1357.91		Centralizer
8	21.28	257.43	-1357.91	-1338.63		Centralizer
9	39.25	296.68	-1338.63	-1297.38		Centralizer
10	38.98	335.66	-1297.38	-1258.40		
11	39.36	375.04	-1258.40	-1219.02		
12	39.36	414.40	-1219.02	-1179.66		
13	39.29	453.69	-1179.66	-1140.37		
14	39.30	492.99	-1140.37	-1101.07		
15	39.19	532.18	-1101.07	-1061.88		
16	39.25	571.43	-1061.88	-1022.63		
17	38.18	610.61	-1022.63	-983.45		
18	39.32	649.93	-983.45	-944.13		
19	39.43	689.36	-944.13	-904.70		
20	38.60	727.96	-904.70	-866.10		
21	39.16	767.12	-866.10	-828.94		
22	38.87	805.79	-828.94	-788.27		
23	39.35	845.14	-788.27	-748.92		
24	39.38	884.50	-748.92	-709.56		
25	39.22	923.72	-709.56	-670.34		
26	38.86	962.58	-670.34	-631.48		
27	39.29	1001.87	-631.48	-592.19		
28	39.31	1041.18	-592.19	-552.88		
29	39.28	1080.46	-552.88	-513.60		
30	39.26	1119.72	-513.60	-474.34		
31	39.38	1159.10	-474.34	-434.96		
32	39.39	1198.48	-434.96	-395.68		
33	39.29	1237.77	-395.68	-356.29		
34	38.83	1276.60	-356.29	-317.46		
35	38.95	1315.55	-317.46	-278.51		
36	39.26	1354.84	-278.51	-239.22		
37	39.26	1394.10	-239.22	-199.96		
38	39.31	1433.41	-199.96	-160.65		
39	39.23	1472.64	-160.65	-121.42		
40	38.58	1511.22	-121.42	-82.84		
41	38.20	1549.42	-82.84	-44.64		
42	38.84	1588.06	-44.64	-6.00		
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TOTAL		1588.06				

JTs Ran 41
 Meas w/shoe 1588.06
 Set @ 1594.06
 PBT @ 1553.66
 Threads On 1595.71