

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

ORIGINAL

Form ACO-1  
September 1999  
Form Must Be Typed

CONFIDENTIAL

WELL COMPLETION FORM

WELL HISTORY - DESCRIPTION OF WELL & LEASE

Operator: License # 5145 **RECEIVED**  
Name: Dreiling Oil, Inc.  
Address: Box 550 **JUN 14 2004**  
City/State/Zip: Hays, KS 67601 **KCC WICHITA**  
Purchaser: NCRA  
Operator Contact Person: Terry W. Piesker  
Phone: (785) 625-8327  
Contractor: Name: Discovery Drilling  
License: 31548

API No. 15 - 051-25288-00-00  
County: Ellis  
30' W SE SE SW Sec. 4 Twp. 14 S. R. 17  East  West  
330 feet from S / N (circle one) Line of Section  
2280 feet from E / W (circle one) Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
(circle one) NE SE NW SW  
Lease Name: Werth A Well #: 1  
Field Name: Younger

Wellsite Geologist: Kevin Davis  
Designate Type of Completion:  
 New Well  Re-Entry  Workover  
 Oil  SWD  SIOW  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

**RELEASED FROM CONFIDENTIAL**  
Producing Formation: Lansing/KC & Arb.  
Elevation: Ground: 2009' Kelly Bushing: 2017'  
Total Depth: 3680' Plug Back Total Depth: 3635'  
Amount of Surface Pipe Set and Cemented at 223.38 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 1232 Feet  
If Alternate II completion, cement circulated from 1232  
feet depth to Surface w/ 225 sx cmt.  
(10 sks in mouse hole) (15 sks in rat hole)

If Workover/Re-entry: Old Well Info as follows:  
Operator: \_\_\_\_\_  
Well Name: \_\_\_\_\_  
Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to Enhr./SWD  
 Plug Back \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
 Commingled \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Dual Completion \_\_\_\_\_ Docket No. \_\_\_\_\_  
 Other (SWD or Enhr.?) \_\_\_\_\_ Docket No. \_\_\_\_\_  
4-28-04 5-5-04 5-18-04  
Spud Date or Date Reached TD Completion Date or Recompletion Date

**Drilling Fluid Management Plan**  
(Data must be collected from the Reserve Pit)  
Chloride content 11,000 ppm Fluid volume 320 bbls  
Dewatering method used Evaporation  
Location of fluid disposal if hauled offsite: \_\_\_\_\_  
Operator Name: \_\_\_\_\_  
Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_  
Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West  
County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Terry W. Piesker  
Title: Explor. & Develop. Mgr. Date: 6-10-04  
Subscribed and sworn to before me this 10th day of June, 2004  
Notary Public: Patricia Drilling Notary Public State of Kansas  
Date Commission Expires: 8-23-06 My Appl Exp 8-23-06

**KCC Office Use ONLY**  
 Letter of Confidentiality Attached  
If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
 UIC Distribution

Operator Name: Dreiling Oil, Inc. Lease Name: Werth A Well #: 1  
 Sec. 4 Twp. 14 S. R. 17  East  West County: Ellis

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken  Yes  No  
 (Attach Additional Sheets)

Samples Sent to Geological Survey  Yes  No

Cores Taken  Yes  No

Electric Log Run  Yes  No  
 (Submit Copy)

List All E. Logs Run:  
 Micro, dual induction, neutron/density porosity

Log Formation (Top), Depth and Datum  Sample

Name	Top	Datum
Anhydrite	1202	815
Topeka	3012	-995
Heebner	3262	-1245
Toronoto	3282	-1265
Lansing	3308	-1291
Arbuckle	3546	-1529
TD	3683	-1666

**CASING RECORD**  New  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	# Sacs Used	Type and Percent Additives
Surface	12 1/4"	8 5/8"	20	223.38	common	150	2% gel 3% cc
Production	7 7/8"	5 1/2"	14	3677	ASC	150	2% gel

**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
4 shot/ft	3576' to 3582', 3562' to 3574' 3550' to 3558'	1000 gal. 15% INS acid	
4 shot/ft	3388' to 3391'	250 gal. 15% NE acid	
4 shot/ft	3376' to 3378'	250 gal. 15% NE acid	
4 shot/ft	3351' to 3354'	250 gal. 15% NE acid	

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	3620'		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of First, Resumerd Production, SWD or Enhr.	Producing Method
6-1-04	<input type="checkbox"/> Flowing <input checked="" 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
	51.74		10.06		

Disposition of Gas  Vented  Sold  Used on Lease (If vented, Sumit ACO-18.)

METHOD OF COMPLETION  Open Hole  Perf.  Dually Comp.  Commingled

Production Interval Arb. - 3550' to 3582'  
LKC - 3351' to 3391'

Dreiling Oil, Inc.  
Werth A #1

D.S.T. 's

RELEASED  
FROM  
CONFIDENTIAL

- DST #1 - 3292' to 3341'  
30-30-0-0  
IF - weak - dead in 12" - NBB  
FF - no blow  
Rec. 5' mud  
IFP - 14-21 ISIP - 91
- DST #2 - 3341' to 3394'  
30-30-30-60  
IF- Stg. BOB in 10 min. - wk. surf. BB  
FF - Stg. BOB in 9 min. - 2 $\frac{1}{4}$ " BB  
Rec. 190' HG & MCO  
IF - 26-64 FF 66-92 ISIP - 552# FSIP - 542#
- DST #3 - 3394' to 3490'  
30-30-45-60  
IF - BOB - 28 min. wk. sur. BB  
FF - BOB - 34 min. -  $\frac{1}{2}$ " BB  
Rec. 3' oil, 107' OSM, 124 MW  
IF - 19-69 FF - 71-125 ISIP 949# FSIP - 880#
- DST #4 - 3519' to 3569'  
30-30-45-60  
IF - BOB 15 min.  $\frac{1}{2}$ " BB  
FF - BOB 15 min. - 2" BB  
Rec. 125' MCO, 163' GO  
IF - 25-79 FF - 82-133 ISIP - 1012# FSIP - 997#
- DST #5 - 3568' to 3589'  
30-30-45-60  
IF - BOB 27 min. -  $\frac{1}{4}$ " BB  
FF - BOB 27 min. -  $\frac{1}{2}$ " BB  
Rec. 155' GO  
IF - 18-39 FF 42-69 ISIP - 1040# FSIP - 1016#

RECEIVED  
JUN 14 2004  
KCC WICHITA

# ALLIED CEMENTING CO., INC.

16868

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: R

DATE <u>4/28/04</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION <u>4:45p.m.</u>	JOB START	JOB FINISH <u>7:30p.m.</u>
LEASE <u>Worth</u>	WELL #	LOCATION <u>Town 1E 1/2 N 1/2 E</u>			COUNTY <u>Ellis</u>	STATE <u>Ks</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery #2

TYPE OF JOB Surface

HOLE SIZE 12 1/4" T.D. 224'

CASING SIZE 8 5/8" DEPTH 223'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. 10'

PERFS. \_\_\_\_\_

DISPLACEMENT 13 3/4" BBL

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 150 Com 3%oll

2906el

EQUIPMENT

PUMP TRUCK CEMENTER Paul

# 3660 HELPER Shane

BULK TRUCK # 213 DRIVER Rufus

BULK TRUCK # \_\_\_\_\_ DRIVER \_\_\_\_\_

COMMON	<u>150</u>	@	<u>765</u>	<u>1147.50</u>
POZMIX		@		
GEL	<u>3</u>	@	<u>11.00</u>	<u>33.00</u>
CHLORIDE	<u>5</u>	@	<u>30.00</u>	<u>150.00</u>
ASC		@		
		@		
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>158</u>	@	<u>125</u>	<u>197.50</u>
MILEAGE	<u>54/sk/mile</u>			<u>158.00</u>
TOTAL				<u>1686.00</u>

REMARKS:

Cement Circulated!

Thank You!

CHARGE TO: Drilling Oil

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

RECEIVED

JUN 14 2004

KCC WICHITA

TOTAL 645.00

PLUG & FLOAT EQUIPMENT

MANIFOLD	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____
	_____	@	_____	_____

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Ross D. Wilson Ross D. Wilson  
PRINTED NAME



# ALLIED CEMENTING CO., INC. 17146

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

R

DATE <u>5-14-04</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>10:45am</u>	JOB FINISH <u>11:30am</u>
LEASE <u>WERA</u>		WELL # <u>A-1</u>		LOCATION <u>TOWSON ELEV. 15 IN 1/2 W N</u>		COUNTY <u>ELLIS</u>	STATE <u>KS</u>
<input checked="" type="radio"/> OLD OR NEW (Circle one)							

CONTRACTOR EXPRESS RELEASED OWNER \_\_\_\_\_  
 TYPE OF JOB PORT COLLAR FROM \_\_\_\_\_  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_ CEMENT \_\_\_\_\_

CASING SIZE 5 1/2 DEPTH CONFIDENTIAL AMOUNT ORDERED 225 60/40 6% GEL

TUBING SIZE 2" DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL REINHARDT DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_ COMMON 135 @ 7.65 1032.75

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_ POZMIX 90 @ 4.00 360.00

CEMENT LEFT IN CSG. \_\_\_\_\_ GEL 11 @ 11.00 121.00

PERFS. \_\_\_\_\_ CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_ ASC \_\_\_\_\_ @ \_\_\_\_\_

**EQUIPMENT**

PUMP TRUCK CEMENTER MARK

# 345 HELPER PAUL

BULK TRUCK \_\_\_\_\_

# 222 DRIVER ROGER

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING 236 @ 1.25 295.00

MILEAGE 54/SK/mile 236.00

TOTAL 2644.75

**REMARKS:**

TEST CSG TO 1000# - AC. C 1732  
OPENED TOOL MIXED 225 SK  
CIRC CEMENT DISPLACE 3 BBL - CLOSED  
TOOL - PRES TO 1000# RAN 5 JTS  
WASHED CLEAN

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_ 650.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 20 @ 4.00 80.00

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL 730.00

CHARGE TO: DRILLING

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

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SIGNATURE \_\_\_\_\_

PRINTED NAME