

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION FORM  
ACO-1 WELL HISTORY  
DESCRIPTION OF WELL AND LEASE

Operator: License # 5142  
Name Sterling Drilling, Co.  
Address P.O. Box 129  
City/State/Zip Sterling, Ks. 67579

Purchaser Mobil

Operator Contact Person Dick Mead  
Phone 278-2131

Contractor: License # 5422  
Name H. Beiscombie

Wellsite Geologist Wayne Lebsack  
Phone (316)-257-3825

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply etc.)

If ONWO: old well info as follows:  
Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
2-17-88 2-22-88 2-23-88  
Spud Date Date Reached TD Completion Date  
3760' 3749'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 260.33 feet  
Multiple Stage Cementing Collar Used? Yes  No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated from 3760 feet depth to Surface 425 SX cmt  
Cement Company Name Halliburton  
Invoice # 651248  
4-28-88

API NO. 15-065-22,437  
County Graham  
SE NW SW Sec. 26 Twp. 10 Rge. 21 East  
X West

1650 Ft North from Southeast Corner of Section  
4290 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

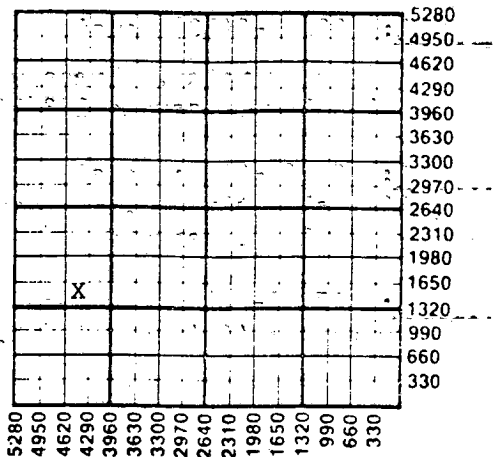
Lease Name Zeigler Well # 3

Field Name Trico

Producing Formation Arbuckle

Elevation: Ground 2115 KB 2120

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water: T-88-88  
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner (Well) Ft West from Southeast Corner  
Sec Twp Rge East West

X Surface Water 1650 Ft North from Southeast Corner (Stream, pond etc) 4290 Ft West from Southeast Corner  
Sec 26 Twp 10S Rge 21 East X West

Other (explain) (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on 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 drillers time log shall be attached with this form. 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.

STERLING DRILLING COMPANY  
Signature F. A. Wuellner  
Title Secretary Date 4-14-88

Subscribed and sworn to before me this 14th day of April 1988.  
Notary Public Agnes D. Wurst  
Date Commission Expires April 6, 1989



K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
KCC SWD/Rep NGPA  
Plug Other (Specify)  
RECEIVED APR 15 1988  
CONSERVATION DIVISION Wichita, Kansas  
Form ACO-1 (5-86)

Sec. 26 Twp. 10 Rge. 21

SIDE TWO

Operator Name ..... Sterling Drilling Company ..... Lease Name..... Zeigler ..... Well #..... 3

Sec..... 26 ..... Twp..... 10S ..... Rge. 21 .....  East  West County..... Graham

WELL LOG

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem 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 during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

DST #1: 3350'-3473' Lansing 190' OCM and 120' muddy water. Pressures ICIP-1028; FCIP-951; Flow Pressures 163/163 and 218/251.  
 DST #2: 3546'-3600; Lansing 3' oil, 30' OCM, 120' slightly OCW. Pressures ICIP-305; FCIP 283; Flow Pressures 98/98 and 120/120.  
 DST #3: 3706'-10' Arbuckle 10' of mud. Flow Pressures 43/43 and 43/43.

Name	Top	Bottom
Heebner	3350'	
Lansing	3392'	
Arbuckle	3702'	

CASING RECORD <input type="checkbox"/> New <input checked="" 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	12 1/4"	8.5/8	20#	260.33	Class A	150	2% gel, 3% d
Production	7.7/8	5 1/2"	14#	3759	Econolite	325	5# gilsonite
					EA-2	100	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)		Depth
Shots Per Foot	Specify Footage of Each Interval Perforated			
2	3703-06	150 gal.	MCA acid	
2	3710-16	300 gal.	MCA acid	

TUBING RECORD		Liner Run
Size	Set At	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8	3728 Packer at	

Date of First Production	Producing Method
3-11-88	<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	Gas	Water	Gas-Oil Ratio	Gravity
	26 Bbls	- 0 - MCF	100 Bbls		CFPB

METHOD OF COMPLETION

Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 3703-06  
 Used on Lease  Dually Completed ..... 3710-16  
 Commingled

WAYNE LEBSACK  
PETROLEUM GEOLOGIST  
608 SOUTH DOUGLAS  
LYONS, KANSAS 67554

March 3, 1988

STERLING DRILLING COMPANY  
P. O. Box 129  
STERLING, KANSAS 67579

GEOLOGICAL REPORT

ZIEGLER No. 3  
SE NW SW  
Section 26-T10S-R21W  
Graham County, Kansas

CONTRACTOR

ABERCROMBIE DRILLING COMPANY

DATE SPUDDED

FEBRUARY 16, 1988

TOTAL DEPTH

3760 feet

SURFACE CASING

260 feet of 8 5/8" casing

ELEVATIONS

2115' ground level; 2120' Kelly bushing

MEASUREMENT ZERO

Kelly Bushing

SAMPLES AND DRILLING TIME LOGGED

3150' to T.D.

OTHER LOGS

Welex Dual Induction, Neutron Density and  
Micro log.

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STATE CORPORATION COMMISSION  
4-15-1988  
APR 15 1988  
CONSERVATION DIVISION  
Wichita, Kansas

WAYNE LERSACK  
PETROLEUM GEOLOGIST

COMPLETION REPORT  
ZIEGLER #3

GEOLOGICAL FORMATION TOPS

<u>FORMATION</u>	<u>DRILLING TIME DEPTH</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB-SEA DEPTH ELECTRIC LOG</u>
Heebner	3350'	3350'	-1230'
Lansing	3392'	3392'	-1270'
Arbuckle	3704'	3702'	-1582'
Total Depth	3760'	3761'	-1641'

INTERVALS OF INTEREST  
ELECTRIC LOG DEPTH

Lansing  
3392'-98'

White dense limestone, with vugular porosity, traces of light staining and free oil. Average log porosity 13%.

3430'-36'

White oolitic limestone, with traces of light staining and free oil. Average log porosity -14%.

Drill Stem Test No. 1  
3350'-3473'

Testing time intervals -15"-30"-45"-60". There was a fair to strong blow. The recovery was 190' of oil cut mud and 120' of muddy water. Pressures ICIP-1028; FCIP-951; Flow Pressures 163/163; and 218/251.

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Wichita, Kansas

WAYNE LEBSACK  
PETROLEUM GEOLOGIST

COMPLETION REPORT  
ZIEGLER #3

Intervals of Interest,  
Electric log depth contd.

Lansing  
3548'-56'

White dense lime stone with vugular and fossilitic porosity, traces of light staining. Average log porosity 10%.

Drill Stem Test No. 2  
3546'-3600'

Testing time intervals -15"-30"-45"-60". There was a fair blow. The recovery was 3 feet of oil, 30 feet of oil cut mud, and 120 feet of slightly oil cut water. Pressures ICIP-305; FCIP-283; Flow Pressures 98/98 and 120/120.

Arbuckle  
3702'-26'

White fine crystalline, sucrosic dolomite with crystalline and vugular porosity, traces of light staining and free oil. Average log porosity 18%.

Drill Stem Test No. 3  
3706'-10'

Testing time intervals -15"-30"-45"-30". There was a weak blow that died. The recovery was 10' of mud. Flow pressures 43/43 and 43/43.

SUMMARY

STRUCTURAL COMPARISON

ZIEGLER No. 3

This well

FORMATION

Lansing -1272  
Arbuckle -1582

Zeigler No. 1

West offset  
Arbuckle well

-1265  
-1566

Ziegler No. 2

Southwest diagonal offset  
Arbuckle well

-1275  
-1584

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Wichita, Kansas

WAYNE LEBSACK  
PETROLEUM GEOLOGIST

COMPLETION REPORT  
ZIEGLER #3

Summary contd.

The samples and electric logs indicate probable commercial oil zones in the Lansing and Arbuckle intervals described in this report. The drill stem tests covering these intervals were inconclusive. Given the favorable structural position and the fact that the Arbuckle on the Ziegler lease is a low pressure reservoir, and the fact that the Lansing has not been tested for production in the other wells on the property it was recommended that casing be set to attempt completion for production.

SUBMITTED BY:

*Wayne Lebsack*

Wayne Lebsack  
Petroleum Geologist

WL:skp