

9/19/84  
KC

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 # 7506  
name First Energy Corporation  
address 16701 Greenspoint Park Drive  
Suite 200  
City/State/Zip Houston, Texas 77060

Operator Contact Person Gayle Carter  
Phone 713-847-5755

Contractor: license # 6033  
name Murfin Drilling Company

Wellsite Geologist Anthony Kruse  
Phone 913-628-2993

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp  
 Drv  Other (Core, Water Supply etc.)

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

WELL HISTORY

Drilling Method:  Mud Rotary  Air Rotary  Cable  
8-23-84 9-4-84 9-19-84  
Spud Date Date Reached TD Completion Date  
4750' 4702'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 346 feet

Multiple Stage Cementing Collar Used?  Yes  No

API NO. 15-109-20,341

County Logan

SW SW NE Sec 26 Twp 11S Rge 33  East  West  
(location)

2970 Ft North from Southeast Corner of Section  
2310 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below)

Lease Name Bertrand Well# 54-26

Field Name Wildcat

Producing Formation Lansing/Kansas City

Elevation: Ground 3100' KB 3105'

Section Plat  
**RELEASED**  
Date: JAN 1 1986  
FROM CONFIDENTIAL  
RECEIVED  
STATE CORPORATION COMMISSION  
OCT 22 1985  
CONSERVATION DIVISION  
WICHITA, KANSAS  
JAN 2 1 1986  
State Geologist  
WICHITA BRANCH

|      |  |
|------|--|
| 4620 |  |
| 4290 |  |
| 3960 |  |
| 2630 |  |
| 3300 |  |
| 2970 |  |
| 2640 |  |
| 2310 |  |
| 1980 |  |
| 1650 |  |
| 1320 |  |
| 990  |  |
| 660  |  |
| 330  |  |

WATER SUPPLY INFORMATION  
Source of Water:  
Division of Water Resources Permit #

Groundwater Ft North From Southeast Corner and  
(Well) Ft West From Southeast Corner of  
Sec Twp Rge  East  West  
 Surface Water Ft North From Southeast Corner and  
(Stream, Pond etc.) Ft West From Southeast Corner  
Sec Twp Rge  East  West

|   |  |
|---|--|
| <b>TUBING RECORD</b> size 2-3/8" set at 4294' packer at 4284' Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |  |
| Date of First Production 9-23-84  | Producing method <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 86 Bbls  |
|   | Gas -0- MCF  |
|   | Water 40 Bbls  |
|   | Gas-Oil Ratio N/A  |
|   | Gravity CFPB   |

Disposition of gas:  vented  sold  used on lease  
METHOD OF COMPLETION  open hole  perforation  other (specify)  
PRODUCTION INTERVAL 4250-4276

all temporarily abandoned wells.

102594

SIDE TWO

54-26

Operator Name First Energy Corporation Lease Name Bertrand Well# SEC 26 TWP 11S RGE 33  East  West

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
XX Log  Sample

DST#1 4038'-4068' (Lansing/KC)

30-60-60-120, Temp.=118°
IFP: 91-384 Hy mud: 2411-2209
SFP: 425-736
SIP: 1216-1236
Rec'd 180' muddy SW, Chl=23,000 ppm

Table with 3 columns: Name, Top, Bottom. Rows include Topeka, Hebner, Toronto, Lansing/Kansas City, Marmaton, Pawnee, Fort Scott, Cherokee, Mississippian.

DST#2 4074'-4095' (Lansing/KC)

30-60-60-120, Temp.=115°
IFP: 80-242 Hy mud: 2169-2118
SFP: 293-344
SIP: 816-756
Rec'd 10' oily, muddy water, 120' muddy water

DST#3 4118'-4139' (Lansing/KC)

30-60-60-120, Temp.=115°
IFP: 50-101 Hy mud: 2219-2109
SFP: 161-212
SIP: 1236-1236
Rec'd 360' gassy oil

DST#4 4135'-4152' (Lansing/KC)

30-60-30-90, Temp.=115°
IFP: 70-70 Hy mud: 2229-2199
SFP: 90-90
SIP: 1246-1256
Rec'd 120' slightly oil specked mud

Logs
DIL
CNL

Table with 2 main sections: CASING RECORD and PERFORATION RECORD. Includes columns for Purpose of string, size hole drilled, size casing set, weight lbs/ft, setting depth, type of cement, # sacks used, type and percent additives, shots per foot, specify footage of each interval perforated, Acid, Fracture, Shot, Cement Squeeze Record, and Depth.

ACO-1 WELL HISTORY

PAGE 2 (Side One)

OPERATOR First Energy Corp LEASE NAME Bertrand  
 WELL NO. 54-26

SEC 26 TWP 11S RGE 33 (E)  
 (W)

FILL IN WELL INFORMATION AS REQUIRED.  
 Show all important zones of porosity and contents thereof;  
 cored intervals, and all drill-stem tests, including depth  
 interval tested, cushion used, time tool open, flowing &  
 Shut-in pressures, and recoveries.

Show Geological markers,  
 logs run, or Other  
 Descriptive information.

| FORMATION DESCRIPTION, CONTENTS, ETC.   | TOP | BOTTOM | NAME | DEPTH |
|---|-----|--------|------|-------|
| <p><u>DST #5 4192'-4222' (Lansing/KC)</u><br/>                     30-60-60-120, Temp.=116°<br/>                     IFP: 141-465 Hy mud: 2290-2270<br/>                     SFP: 546-826<br/>                     SIP: 1293-1326<br/>                     Rec'd 720' gassy, watery oil, 300' gassy oil cut water</p> |     |        |      |       |
| <p><u>DST #6 4241'-4275' (Lansing/KC)</u><br/>                     30-60-60-120, Temp.=113°<br/>                     IFP: 91-222 Hy mud: 2350-2260<br/>                     SFP: 323-465<br/>                     SIP: 1286-1276<br/>                     Rec'd 1230' clean gassy oil</p>                             |     |        |      |       |
| <p><u>DST #7 4269'-4310' (Lansing/KC)</u><br/>                     30-60-60-120, Temp.=114°<br/>                     IFP: 91-242 Hy mud: 2330-2300<br/>                     SFP: 323-455<br/>                     SIP: 1266-1256<br/>                     Rec'd 1060' clean gassy oil</p>                             |     |        |      |       |
| <p><u>DST #8 4542'-4624' (Johnson)</u><br/>                     30-60-60-120, Temp.=121°<br/>                     IFP: 141-263 Hy mud: 2391-2370<br/>                     SFP: 293-384<br/>                     SIP: 1026-966<br/>                     Rec'd 120' drilling mud, 300' gas cut watery mud</p>           |     |        |      |       |

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 Wichita, Kansas

INSTRUCTIONS FOR FILING ACO-1 WELL HISTORY FORMS

When to File - Number of Copies

PLEASE FILL OUT ALL INFORMATION. IF INFORMATION IS NOT AVAILABLE, INDICATE. IF INFORMATION LATER BECOMES AVAILABLE, SUBMIT BY LETTER.

ACO-1 Well history forms are required on all wells, regardless of how completed. (Rule 82-3-130)

PRODUCING AND TEMPORARILY ABANDONED WELLS:  
(File 2 copies)

OIL WELLS: An oil well shall be considered completed when the first new oil is produced through well head equipment into lease tanks from the producing interval after the production string has been run. For information regarding oil wells, contact Tom Leiker or Elisabeth Wannow.

GAS WELLS: A gas well shall be considered completed when the well is capable of producing gas through well head equipment from the producing zone after the production string has been run. Shut-in gas wells also require 2 copies. For information regarding gas wells, contact Richard Smith or Jim Hemmen.

TEMPORARILY ABANDONED WELLS: For information, contact Duane Rankin.

REQUESTING CONFIDENTIALITY:

Only 1 (ONE) copy of the ACO-1 should be filed with a letter attached for each well on which information is to be held confidential. ALL of the information should be completed on the form. Only information on Side One will be of public record. Side Two will be held confidential. On wells which are Docketed, confidentiality is waived. Plugging forms CP-1 and CP-4 cannot be held confidential.

To order additional forms or request information, call (316) 263-3238.

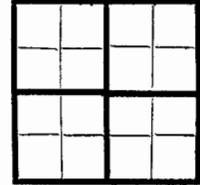
PLEASE KEEP THIS SHEET FOR REFERENCE.

# WELL LOG

**COMPANY** First Energy Corporation  
 16701 Greenspoint Park Dr. St 200 <sup>A</sup>  
 Houston, TX 77060  
**FARM** BERTRAND **NO.** 54-26  
**RIG. NO.** 23  
**TOTAL DEPTH** 4750'  
**COMM.** 8-23-84 **COMP.** 9-5-84  
**CONTRACTOR** Murfin Drilling Company  
 250 N. Water, Suite 300  
 Wichita, KS 67202

**SEC.** 26 **T.** 11S **R.** 33W  
**LOC.** SW SW NE

**COUNTY** Logan  
 KANSAS



**CASING**  
 20  
 15  
 12  
 13

10  
 8 -5/8" csg set @ 346' w/250 sx 60-40 Pozmix, ELEVATION  
 6 2% gel, 3% CC

5  
 4-1/2" csg set @ 4749' w/100 sx 50-50 Pozmix + 225 sx Class A  
**FIGURES INDICATE BOTTOM OF FORMATIONS**

|              |             |
|--------------|-------------|
| Surface Sand | 185'        |
| Shale        | 346'        |
| Shale & Sand | 3175'       |
| Lime & Shale | (RTD) 4750' |

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OCT 23 1984

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 Wichita, Kansas

OCT 26 1984  
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