

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 Dr.,  
Suite 200  
City/State/Zip Houston, Texas 77060

Operator Contact Person Gayle Carter  
Phone 713+875-5755

Contractor: license # 6033  
name Murfin Drilling Company

Wellsite Geologist James K. Price  
Phone 303-293-8080

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp Abd  
 Gas  Inj  Delayed Comp.  
 Dry  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  
3-6-85 3-15-85 4-14-85  
Spud Date Date Reached TD Completion Date

4660'  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 351' feet

Multiple Stage Cementing Collar Used?  Yes  No

If Yes, Show Depth Set ..... feet

If alternate 2 completion, cement circulated  
from ..... feet depth to ..... w/ ..... SX cmt

API NO. 15 - 193-20,341-0000

County Thomas

C NW NW Sec 26 Twp 9 Rge 32  East  West  
(location)

4620 Ft North from Southeast Corner of Section  
4620 Ft West from Southeast Corner of Section  
(Note: locate well in section plat below) RT KCC

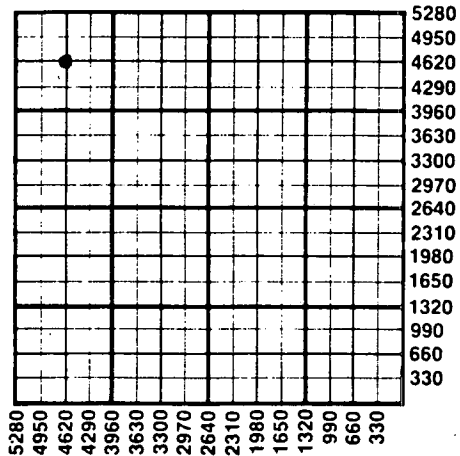
Lease Name Bertrand Well# 11.26(40)  
H(40)-26

Field Name Broughm (Proposed) OHL

Producing Formation Johnson and Lansing/Kansas City

Elevation: Ground 3055' KB 3060'

Section Plat



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

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

Disposition of Produced Water:  Disposal  Repressuring

Docket # .....

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rules 82-3-130 and 82-3-107 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.

Signature *Gayle Carter*

Title Production Clerk Date 7-19-85

Subscribed and sworn to before me this 19th day of July 19 85

Notary Public *Carol J. Sheppard*  
Date Commission Expires .....

CAROL J. SHEPPARD  
Notary Public in and for State of Texas  
My Commission Expires April 2, 1993

K.C.C. OFFICE USE ONLY  
F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)

STATE CORPORATION COMMISSION

Form ACO-1  
(This form supercedes previous forms ACO-1 & C-10)

MAR 10 1986  
3-10-86  
CONSERVATION DIVISION

Sec. 26 Twp. 9 Rge. 32

Operator Name First Energy Corp. Lease Name Bertrand Well# 11(40)-26 SEC 26 TWP. 9S RGE. 26  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  
 Log  Sample

DST #1 4106-4136' (Lansing/Kansas City)  
 30-60-60-120, Temp=108° F  
 IHP 2177 psi FFP 901-1212 psi  
 IFP 218-851 " FSIP 1323 "  
 ISIP 1313 " FHP 2157 "  
 Rec'd 2480' water, Chl = 53,000 ppm

DST #2 4180-4250' (Lansing/Kansas City)  
 30-60-60-120, Temp=108° F  
 IHP 2197 psi FFP 291-437 psi  
 IFP 83-229 " FSIP 1353 "  
 ISIP 1353 " FHP 2177 "  
 Rec'd 280' GIP, 125' GCO, 280' SOCMSW (Chl=54,000 ppm)  
 430' SW

DST #3 4246-4336' (Lansing/Kansas City)  
 30-60-60-120, Temp=108° F  
 IHP 2346 psi FFP 395-500 psi  
 IFP 166-343 " FSIP 901 "  
 ISIP 911 " FHP 2292 "  
 Rec'd 1110' GIP, 365' GCO, 375' OCM, 372' HM, W + GCO

Name	Top	Bottom
Dakota	1463'	
Stone Corral	2619	
Topeka	3798	
Lansing/Kansas City	4052	
Pawnee	4450	
Fort Scott	4481	
Cherokee	4511	
Mississippian	4636	

LOGS  
 Sonic Cement Bond Log  
 RA Guard Log

CASING RECORD <input 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 production	12-1/4" 7-7/8"	8-5/8" 4-1/2"	24# 10.50#	351' 4655'	60/40 POZ. 50/50 POZ. Common	250 100 225	3% CC, 2% gel. 2% gel. D-29

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
shots per foot	specify footage of each interval perforated	(amount and kind of material used)	Depth
2	4593-97'	250 gls 15% INS/2000 gls MOD. 202	4593-97'
2	4451-61'	100 sx Common (squeeze)	4451-61'
2	4315-21', 4281-92'	250 gls 15% INS/2000 gls MOD. 202	4315-21'
2	4248-51', 4199-202'	50 sx Common (squeeze)	4281-92'
		50 sx Common (squeeze)	4248-51'
		250 gls 15% INS/1000 gls 15% NE	4199-4202'

TUBING RECORD		Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
size	set at	packer at	
2-3/8"	4317'		

Date of First Production	Producing method <input type="checkbox"/> flowing <input checked="" type="checkbox"/> pumping <input type="checkbox"/> gas lift <input type="checkbox"/> Other (explain)			
4-13-85				

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	31	-0-	66	N/A	37.2
	Bbls	MCF	Bbls	CFPB	

Disposition of gas:  vented  sold  used on lease

METHOD OF COMPLETION  open hole  perforation  other (specify) \_\_\_\_\_

Dually Completed.  Commingled

PRODUCTION INTERVAL  
 4393-97', 4315-21'  
 4199-4202'