

23-18-24W

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 # 7185  
Name Luff Exploration Company  
Address 1580 Lincoln St. - Suite 850  
City/State/Zip Denver, Colorado 80203

Purchaser

Operator Contact Person R. A. Ferris  
Phone (303) 861-2468

Contractor: License # 5381  
Name Big Springs Drilling, Inc.

Wellsite Geologist Allan Munroe  
Phone (303) 674-5710

Designate Type of Completion

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

If CWVO: old well info as follows:

Operator  
Well Name  
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

- Mud Rotary  Air Rotary  Cable

8-12-85 8-20-85 8-20-85  
Spud Date Date Reached TD Completion Date  
4340' PBDT  
Total Depth

Amount of Surface Pipe Set and Cemented at 864' 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- 135 - 22,898  
County Ness  
C SW NE 23 18S 24W  East  
..... Soc..... Twp..... Rge.....  West

3300 Ft North from Southeast Corner of Section  
1980 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

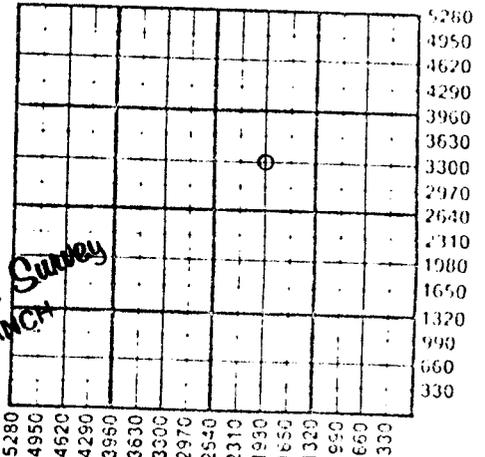
Lease Name UMMEL Well # G-23

Field Name N/A

Producing Formation N/A

Elevation: Ground 2284' KB 2290'

Section Plat



SEP 10 1985  
State Geological Survey  
WICHITA BRANCH

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  Repressuring  
Docket #

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717  
Source of Water: Hauled  
Division of Water Resources Permit #

Groundwater.....Ft North from Southeast Corner  
(Well) .....Ft West from Southeast Corner of  
Soc Twp Rge  East  West

Surface Water.....Ft North from Southeast Corner  
(Stream, pond etc).....Ft West from Southeast Corner  
Soc Twp Rge  East  West

Other (explain) Water bought from Phillip Ummel  
(purchased from city, R.W.D. #)

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. Rule 82-3-130 and 82-3-107 apply.

25258  
SIDE TWO

Operator Name Luff Exploration Company Lease Name UMMEL Well # G-23

Sec. 23 Twp. 18S Rge. 24  East  West County NESS

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 4249' to 4303' MISSISSIPPIAN  
 Time Intervals: 30-45-45-60  
 Surface Blow: IF-Open tool w/Weak Blow, Died in 12 min.  
 FF-No Blow  
 Pipe Recovery: 15' Oil Speckled Mud  
 Pressures: IH 2149 FF 32-36 BHT: 136°F  
 IF 30-30 FSI 170  
 ISI 234 FH 2043

Name	Top	Bottom
Stone Corral	1547'	3670'
Heebner	3670'	3713'
Lansing	3713'	4006'
Base Kansas City	4006'	---
Marmaton	4041'	4118'
Pawnee	4118'	4205'
Ft. Scott	4205'	4230'
Cherokee	4230'	4302'
Mississippian	4302'	4340'
Top of Porosity	4302'	---

DST #2 4249' to 4314' MISSISSIPPIAN  
 Time Intervals: 30-60-60-90  
 Surface Blow: IF-Open Tool w/Weak Blow, Inc. to 8" in  
 30 Min.  
 FF-Open Tool w/1½" Blow, Remained at  
 1½" thru.  
 Pipe Recovery: 230' Heavily Oil Cut Mud(40% Oil, 60% Mud)  
 240' Muddy Oil (70% Oil, 30% Mud)  
 470' TOTAL  
 Pressures: IH 2210 FF 213-250 BHT: 136°F  
 IF 55-152 FSI 853  
 ISI 939 FH 2140

CASING RECORD  Now  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"	23#	864'	60-40 POZ	400 SX	2% gel 3%ccI

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
Shots Per Foot	Specify Footage of Each Interval Perforated		Depth