

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 # 6726
name L. & M. Exploration Inc.
address P.O. Box 232
City/State/Zip Madison, Kansas 66860

Operator Contact Person Glenn E. LeRoy
Phone (316) 437-2532

Contractor: license # 6090
e Jackman & Jackman

Wellsite Geologist Rex Ashlock
Phone (316) 321-9520

PURCHASER Texaco, Inc.

Design 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

5-11-85 5-14-85 5-30-85
Spud Date Date Reached TD Completion Date

1871 1875
Total Depth PBDT

Amount Surface Pipe Set and Cemented at 100 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. 15-111-20,357
County Lyon
SW-SE-SW (location) Sec 31 Twp 21 Rge 12

265 Ft North from Southeast Corner of Section
3,630 Ft West from Southeast Corner of Section
(Note: locate well in section plat below)

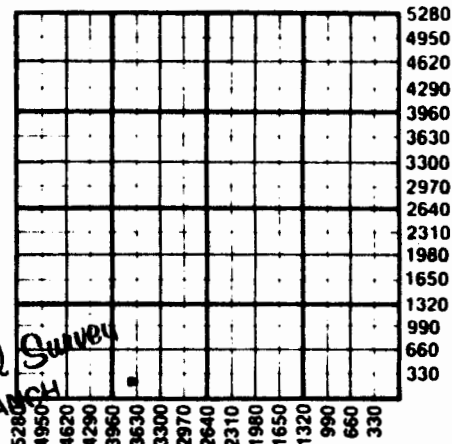
Lease Name Milberger Well# 153

Field Name Pankhauser

Producing Formation Bartlesville

Elevation: Ground 1135 KB 1139

Section Plat



FEB 11 1985
State Geological Survey
WICHITA BRANCH

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 200 Ft North From Southeast Corner and
(Stream, Pond etc.) 3,400 Ft West From Southeast Corner
SW-SE-SW Sec 31 Twp 21 Rge 12 ☒ East ☐ West

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

Disposition of Produced Water: ☐ Disposal ☒ Repressuring

Docket # E20,996
CR-6828

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 details in excess of 12 months.

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 cased wells.

SIDE TWO

Operator Name L. & M. Exploration Inc. Lease Name Milberger Well# 5 SEC 31 TWP 21 RGE 12☒ 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
Samples Sent to Geological Survey
Cores Taken

☐ Yes ☒ No
☐ Yes ☒ No
☐ Yes ☒ No

Formation Description
☒ Log ☐ Sample

Name	Top	Bottom
Cherokee	1592	
Ardmore	1675	
Cattlemen Zone	1688	
Bartlesville Zone	1769	
Bartlesville Sand	1796	
Base Bartlesville	1832	
RTD	1875	

Bartlesville Sand, 1796-1799 Sandstone, very light tan, white, very fine to fine grained, sub-angular, moderately to well sorted, moderately consolidated, friable, good granular porosity, trace glauconitic, weak to fair spotty show of free oil, weak odor, fair to good fluorescence.

1799-1803 Shale, silty laminations, no show.

1803-1817 Sandstone, light green, white, very fine to fine grained, sub-angular, trace sub-rounded, moderately to very well sorted, moderately consolidated, friable, fair porosity, intermittent silty to shaley laminations, weak to fair show of free oil, patchy fair fluorescence, weak odor.

1817-1832 Sandstone, very light tan, white, fine grained, sub-angular to angular, moderately sorted, well consolidated, friable, trace semi-firm, fair to good granular porosity, micaceous with very fine intermittent shale lenses.

SUMMARY

Due to the show of oil found in the Bartlesville Sand, the decision was made to run 4 1/2" production casing for further testing of this zone.

Date of First Production	Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)				
Estimated Production Per 24 Hours	Oil Quantities not yet available. Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio CFPB	Gravity 40

Disposition of gas: ☐ vented
☐ sold
☐ used on lease

METHOD OF COMPLETION

☐ open hole ☒ perforation
☐ other (specify)

PRODUCTION INTERVAL

1791, 1793 to 1795

1805 to 1815

☐ Dually Completed.
☐ Commingled

depth of string	size hole drilled	size casing set (in O.D.)	weight lbs/ft.	setting depth	type of cement	# sacks used	percent additives
Surface	12 1/2"	8 5/8"	20	100'	3% CaCl	75	3% CaCl
Long String	7 7/8"	4 1/2"	9.5	1870'	2% Gel, 5% Gilsonite	75	2% Gel, 5% Gilsonite

PERFORATION RECORD

shots per foot specify footage of each interval perforated

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used)

Depth

1	1791.0'	25,000 lbs. Silica Sand, 350 lbs. GW-5 Gel, 5 Gals. Clatrol-A,	1791.0'
1	1793.0' to 1795.0'	2,000 lbs. KCL, 250 gals. 15% Acid.	to
1	1805.0' to 1815.0'		1815.0'

TURNING RECORD

2"

1838 36

* 140