

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 # 5673
name W. L. Kirkman, Inc.
address P.O. Box 18611, 453 S. Webb Road
City State/Zip Wichita, Kansas 67207

Operator Contact Person Wayne L. Kirkman
Phone (316) 685-5372

Contractor: license # 5829
name Aldebaran Drilling Co., Inc.

Wellsite Geologist L. Kristopher Moore
Phone (316) 685-5372

PURCHASER Koch Oil Company

Designate Type of Completion
New Well ☐ Re-Entry ☒ Workover ☐

XXO: ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator D/FW oil & gas
Well Name Pratt #1
Comp. Date 9-7-78 Old Total Depth 4393

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

3-16-84 3-20-84 3-21-84
Spud Date Date Reached TD Completion Date

4565
Total th PBTD

Amount of Surface Pipe Set and Cemented at 292 feet

Multiple Stage Cementing Collar Used? ☐ Yes ☒ No

Yes, Show Depth Set feet

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

Wire line log received

TUBING RECORD size 2 7/8 set at 4552.5 packer at

Liner Run ☐ Yes ☐ No

Date of First Production Producing method ☐ flowing ☒ pumping ☐ gas lift ☐ Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
35	Bbls	MCF	40 Bbls	CFPB	

Disposition of gas: ☐ vented ☐ sold

SEP 14 1984

METHOD OF COMPLETION

☒ open hole ☐ perforation
☐ other (specify)

RECEIVED

PRODUCTION INTERVAL

STATE CORPORATION COMMISSION

4563

API NO. 15 - 007-20,638A - 0001

81

County Barber

SE NW NE Sec 18 Twp 31S Rge 13 West

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

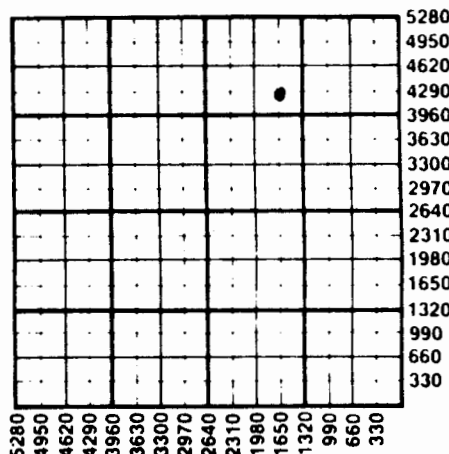
Lease Name Pratt owwo Well# 2

Field Name Lake City

Producing Formation Arbuckle

Elevation: Ground 1642 KB 1649

Section Plat



WATER SUPPLY INFORMATION

Source of Water:

Division of Water Resources Permit # N/A

Groundwater Ft North From Southeast Corner and
(Well) Ft. West From Southeast Corner of
Sec Twp Rge East West

Surface Water N/A Ft North From Southeast Corner and
(Stream Pond etc.) N/A Ft West From Southeast Corner
Sec 18 Twp 31S Rge 13 East West

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

Disposition of Produced Water: ☐ Disposal ☐ Repressuring

Operator Name W. L. Kirkman, Inc. Lease Name Pratt Well# 2 SEC. 18 TWP. 31S RGE. 13

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

DST #1 Upper and Lower Simpson sand (4460-4515)
30-60-30-60
Flow: strong both flow periods, no gas to surface
Flow Pressures: 145-291, 374-395
Bottom Hole Pressure: 1287-1256
Hydrostatic Pressure: 2167-2104
BHT: 124°F
Recovery: 240' oil and gas cut mud (5% oil, 40% gas, 55% mud)
120' oil and gas cut muddy water (3% oil, 27% gas, 25% water, 45% mud)
610' gassy water (chlorides 68,000 ppm)

DST #2 Arbuckle (4509-4565) 30-60-30-60
Flow: strong blow 23" into first flow, strong final flow, no gas to surface
Flow Pressures: 93-135, 208-228
Bottom Hole Pressure: 1663-1663
Hydrostatic Pressure: 2188-2135
Bottom Hole Temp: 120°F
Recovery: 700' of gas in pipe
626' of froggy oil

4563-65: Arbuckle

in dolomite, fine to medium crystalline, sucrosic in part, good crystal development, seems to be a bit oolitic with crystal growth over casts, fair scattered pinpoint porosity, good inter crystalline and vuggy porosity, very good odor, good fluorescence, good show free oil.

Name	Top	Bottom
Herrington	1897	(- 248)
Indian Cave	2660	(-1011)
Topeka	3249	(-1600)
Heebner	3590	(-1941)
Lansing	3751	(-2102)
Cherokee Shale	4241	(-2592)
Mississippian	4260	(-2611)
Kinderhook Shale	4292	(-2643)
Viola	4357	(-2708)
Simpson Shale	4470	(-2821)
Top Simpson Sand	4474	(-2825)
Arbuckle	4496	(-2847)

4474-84: Top Simpson Sand

gray, fine angular, quartitic, hard, no porosity, no show although no oil show was noted in this upper sand, the fact that it was present at this particular drill site should not go overlooked. This zone could have commercial elsewhere on W. L. Kirkman's Lake City prospect acreage.

4496-4510: Bottom Simpson Sand

20" minute circulation sample at 4515' contained a large amount of fine to med grained sand, sub-rounded, a few clusters of a dozen or so, slightly dolomitic cement, most clusters are clean and grains are clear, fair inter-granular porosity, slight show of free oil, bright fluorescence, no odor, friable.

(CONTINUED TO THE LEFT)

CASING RECORD

☐ new

☐ 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	7 7/8	8 5/8 5 1/2	14#	292 4564	60-40 POZ salt sat.	150	75% CFR-2

PERFORATION RECORD

shots per foot specify footage of each interval perforated

Acid, Fracture, Shot, Cement Squeeze Record

(amount and kind of material used)

Depth

Open Hole Completion

180 gals. 15%