

JUN 21 1984

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

Driller's license # 5428
Name Graves Drilling Co., Inc.
Address 910 Union Center
Wichita, Kansas 67202
City/State/Zip

Driller's Contact Person Betty Brandt
Phone 316 265-7233

Driller's license # 5428
Name Graves Drilling Co., Inc.

Geologist Richard E. Roby
Phone 316 263-6401

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

Well Completion
☐ SWD ☐ Temp Abd
☐ Inj ☐ Delayed Comp.
☐ Other (Core, Water Supply etc.)

WFO: old well info as follows:

Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method: ☒ Mud Rotary ☐ Air Rotary ☐ Cable

Date Reached TD Completion Date

5-7-84 5-26-84 6-11-84

Depth PBTD

4404

Surface Pipe Set and Cemented at 383 feet

Single Stage Cementing Collar Used? ☐ Yes ☒ No

If Yes, Show Depth Set feet

Estimated 2 completion, cement circulated

feet depth to w/ SX cmt

API NO. 15 - 007-21,817

County Barber

SW NW SE Sec 35 Twp 31S Rge 12 East West

1650 Ft North from Southeast Corner of Section

2310 Ft West from Southeast Corner of Section

(Note: locate well in section plat below)

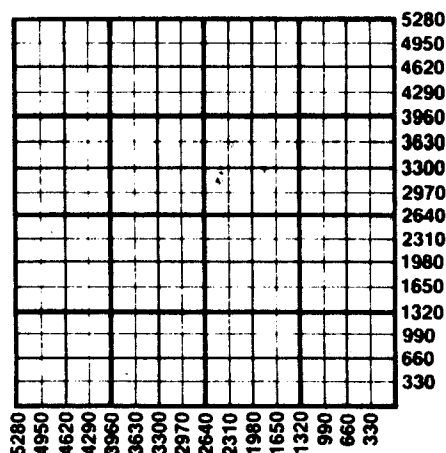
Lease Name Lawrence Well# 1

Field Name

Producing Formation Mississippi

Elevation: Ground 1571' KB 1582'

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 #

BING RECORD

size

2"

set at

4399'

packer at

None

Liner Run

☐ Yes

☒ No

Date of First Production

Producing method

☐ flowing

☒ pumping

☐ gas lift

☐ Other (explain)

Estimated Production
Per 24 Hours

Oil

80

Gas

20 Mcfg.

Water

0

Gas-Oil Ratio

35-1

Gravity

28°

Bbls

MCF

Bbls

CEFR

Wireline Log Rec'd

SIDE TWO

Operator Name Graves Drilling Co., Inc. Lease Name Lawrence Well# 1 SEC. 35 TWP. 31S 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

bed bed 0 - 383
bed bed & shale 383 - 1550
shale 1550 - 1818
shale & lime 1818 - 3720
sand 3720 - 3750
shale & lime 3750 - 4404
Rotary Total Depth 4404

Name	Top	Bottom
Elgin Sand	3450	(-1868)
Heebner	3580	(-1998)
Douglas Sand	3684	(-2102)
Lower Douglas Sand	3708	(-2126)
Lansing	3760	(-2178)
Stark Shale	4154	(-2572)
Mississippi	4329	(-2747)
LTD	4404	(-2822)

TEST #1 3697-3720 30-45-60-45. On 1st open had gas to surface in 6". Gauged 700 Mcfg. in 15" & 893 Mcfg. in 30". On 2nd open gauged 1,346 Mcfg. in 15" & in 30", 45" & 60" stabilized @ 1,187 Mcfg. Rec. 675' of salt water. IFP & FFP 211-370# 391-508# IBHP & FBHP 1260-1239#

TEST #2 4316-4344 30-45-90-90. Gas to surface on 2nd open. Gauged 7,660 cfg. in 15"; 12,500 cfg. in 30"; 9,500 cfg. in 45"; 10,400 cfg. in 60"; 10,100 cfg. in 75" & 9,970 cfg. in 90". Rec. 180' of total fluid, 60' of 10% oil-90% mud, 60' of 25% oil-40% mud & 60' of 58% oil-12% mud. IFP & FFP 95-95# 95-84#. IBHP & FBHP 1364-1427#.

TEST #3 4344-4364 30-45-60-60. Recovered 70' of oil cut mud. IFP & FFP 63-63# 74-74#. IBHP & FBHP 275-360#.

TEST #4 4364-4384 15-45-30-45. Recovered 65' of mud with few oil spots. IFP & FFP 63-74# 74-74#. IBHP & FBHP 137-116#

METHOD OF COMPLETION

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

☐ open hole ☒ perforation
☐ other (specify)

☐ Dually Completed.
☐ Commingled

PRODUCTION INTERVAL

4332-4339

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	12 1/2"	8-5/8" N	23#	383'	common	250 sx.	2% Gel, 3% CC
Production	7-7/8"	5-1/2" U	14#	4403'	60-40 posm	100 sx.	500 gal. mud sweep ahead

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 shots	4332-4339	Acidized with 1500 gals. of 5% MA acid Fraced with 35,000# 10-20 sand	