

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 # 5428
Name Graves Drilling Co. Inc.
Address 910 Union Center
City/State/Zip Wichita, KS 67202

Purchaser Koch Oil Company
Wichita, KS 67201

Operator Contact Person Karen L. Seiler
Phone 316-265-7233

Contractor: License # 5428
Name Graves Drilling Co. Inc.

Wellsite Geologist Fredrick W. Stump
Phone 316-265-7233

Designate Type of Completion

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

If OWNO: old well info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable

11-22-85	11-27-85	12-09-85
Spud Date	Date Reached TD	Completion Date
4335'	4310'	
Total Depth	PBTD	

Amount of Surface Pipe Set and Cemented at 519' 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. 15-007-22,101-00-00

County Barber

C SW/4 Sec 11 Twp 32S Rge 12 East West

1320 Ft North from Southeast Corner of Section
3960 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

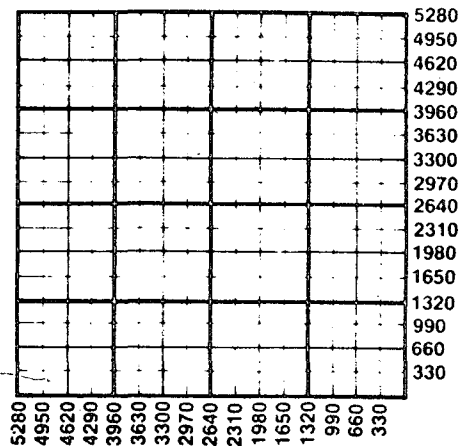
Lease Name Garten Well # 4

Field Name Bloom, North

Producing Formation Mississippian

Elevation: Ground 1458 KB 1469

Section Plat



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:
Division of Water Resources Permit # T85-999

- Groundwater 1450 Ft North from Southeast Corner (Well) 4030 Ft West from Southeast Corner of Sec 11 Twp 32S Rge 12 East West
- Surface Water.....Ft North from Southeast Corner (Stream, pond etc).....Ft West from Southeast Corner Sec Twp Rge East West
- Other (explain)..... (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.
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 [Handwritten Signature]

Title Land Secretary Date 1-23-86

Subscribed and sworn to before me this 23rd day of January 1986

Notary Public [Handwritten Signature] Chris J. Strunk

Date Commission Expires March 16, 1986

K.C.C. OFFICE USE ONLY

- Letter of Confidentiality Attached
- Wireline Log Received
- Drillers Timelog Received

Distribution

- KCC SWD/Rep NGPA
- KGS Plug Other (Specify)



Form ACO-1A(7-84) CORPORATION COMMISSION

JAN 24 1986

Operator Name Graves Drilling Co., Inc. Lease Name Garten Well # 4

Sec. 11 Twp. 32S Rge. 12 East West County Barber

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

Red Bed 0 - 519
 Shale & Lime 519 - 816
 Red Bed, Shale & Lime 816 - 1657
 Shale & Lime 1657 - 4319
 Miss. 4319 - 4335

Name	Top	Bottom
Elgin Shale	3348	(-1879)
Heebner Shale	3504	(-2035)
Douglas Sand	3554	(-2085)
Lansing	3696	(-2227)
Stark Shale	4076	(-2607)
Mississippian	4254	(-2785)
LTD	4243	(-2874)

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 1/4"	8 5/8"	23#	519'	60/40 Pos	275	2% Gel, 3% CC
production	7 7/8"	4 1/2"	10#	4331'	surefill	100	500 Gal Mud Sweep

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4spf	4256-4278	Acidize w/1500 Gal 15% acid Fraced w/50,000# 10/20 sand & 16,000# of 8-12 sand	

TUBING RECORD Size 2 3/4" Set At 4235 Packer at Liner Run Yes No

Date of First Production 12-10-85 Producing Method Flowing Pumping Gas Lift Other (explain)

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
	50	N/A	0		

METHOD OF COMPLETION

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed Commingled

Production Interval 4256-4278