

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 # 8996
Name Mid Continent Resources, Inc.
Address 2805 Bentbay Circle
City/State/Zip Wichita, KS 67204

Purchaser Koch Oil

Operator Contact Person Don V. Rider
Phone (316) 838-9069

Contractor: License # 6033
Name Murfin Drlg. Co.

Wellsite Geologist Don V. Rider
Phone (316) 838-9069

Designate 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

Spud Date 7/5/85 Date Reached TD 7/11/85 Completion Date 9/5/85
Total Depth 4667' PBD

Amount of Surface Pipe Set and Cemented at 319 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2540 feet
If alternate 2 completion, cement circulated lite from 2540 feet depth to surface/550SX cmt

API NO. 15-175-20-865 193-20,358-0000

County Thomas

NE NW SW Sec. 31 Twp 10S Rge 31 East West

2310 Ft North from Southeast Corner of Section
4290 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

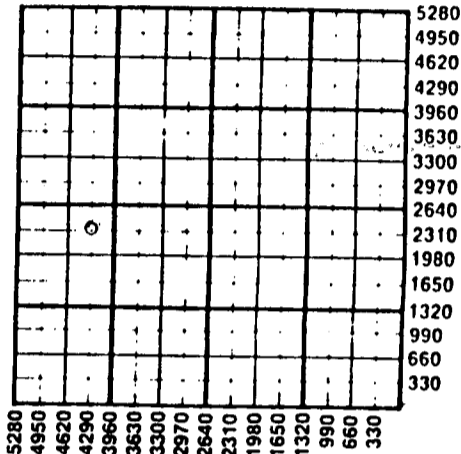
Lease Name Moorhous Well # 4-85

Field Name Campus North

Producing Formation Kansas City

Elevation: Ground 3029 KB 3034

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 #

- Groundwater: Ft North from Southeast Corner (Well) Ft West from Southeast Corner of Sec Twp Rge 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 [Signature]

Title Secretary Date 9/18/85

Subscribed and sworn to before me this 18th day of September 1985

Notary Public [Signature]

Date Commission Expires 10-1-88

BETTE J. RIDER, NOTARY PUBLIC, STATE OF KANSAS

STATE CORPORATION COMMISSION
6-12-86
JUN 12 1986

CONSERVATION DIVISION
Wichita, KS

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-1 (7-84)

Sec. Twp. Rge.

15-193-20358-0000

SIDE TWO

Operator Name Mid Continent Resources, Inc. Lease Name Moorhous Well # 4-85

Sec. 31 Twp. 10s Rge. 31w East West County Thomas

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

Name	Top	Bottom Datum
Anhydrite	2550	+ 484
Topeka	3774	- 740
Heebner	3994	- 960
Lansing	4030	- 996
Base KC	4312	-1278
Marmaton	4342	-1308
Cherokee	4496	-1462
Mississippian	4634	-1600

* 2 4112-16 2000 gal.gel acid, 15%
 2 4170-75 2000 gal.15% gel acid

RELEASED

JAN 21 1987

FROM CONFIDENTIAL

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	24	319	60/40	230	Pozmix 3%cc
Production	7 7/8	4 1/2	10.5	4691	500 gal. BJ Mud	225	Sweep & 225 sks Shurfli
				2nd stage	550 sks BJ Lite Cement		

* 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	4602-12	500 gal. Diesel, 500gal.15%acid	
2	4576-84		
2	4302-08		
2	4032-40	Squeeze 25 sks Cement	
2	4236-42	2000 gal.gel acid	

TUBING RECORD Size 2 3/8" Set At 4268' Packer at none Liner Run Yes No

Date of First Production 9/6/85 Producing Method Flowing Pumping Gas Lift Other (explain).....

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	96 Bbls	MCF	20% Bbls	CFPB	39°

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Sold Used on Lease Open Hole Perforation Other (Specify) 4112-4242
 Dually Completed Commingled

WELL LOG

COMPANY Mid-Continent Resources, Inc.
 2805 Bentbay Circle
 Wichita, KS 67204
FARM MOORHOUS NO. 4-85

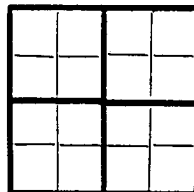
SEC. 31 T. 10S R. 31W
 LOC. NE NW SW

RIG. NO. 2
TOTAL DEPTH 4700'
COMM. 7-5-85 **COMP.** 7-13-85

COUNTY Thomas
 KANSAS

CONTRACTOR Murfin Drilling Company
 2501 N Water, Suite 300
 Wichita, KS 67202

CONFIDENTIAL



CASINO

20 10
 15 8 -5/8" csg set @ 319' w/230 sx 60-40 Pozmix ^{ELEVATION} 3% CC.
 12 6
 13 5 4-1/2" csg set @ 4691' w/225 sx Surefill + 550 sx Liteweight. ^{PRODUCTION}
FIGURES INDICATE BOTTOM OF FORMATIONS

Sand & Clay	221'
Shale	765'
Shale & Sand	2555'
Anhydrite	2584'
Shale & Shells	3050'
Shale & Lime (RTD)	4700'

NOV 19 1985

Geological Survey
WICHITA BRANCH

RELEASED

JAN 21 1987

FROM CONFIDENTIAL

State of Kansas
 County of Sedgwick } ss:

I, Robert A. Ramseyer, Jr. of the Murfin Drilling Company

do hereby certify that the above and foregoing is a true and correct copy of the log of the Moorhous #4-85 well.



Robert A. Ramseyer, Jr.
 Robert A. Ramseyer, Jr., Agent for Opr.
 August 19 85

Subscribed and sworn to before me this 5th day of April
 1987.

Eleanor Hall
 ELEANOR HALL NOTARY PUBLIC

RECEIVED
STATE CORPORATION COMMISSION

SEP 23 1985