

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 Crlg. 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

11/5/85 11/11/85 11/26/85  
Spud Date Date Reached TD Completion Date

4700 4260  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 305 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2576 feet

If alternate 2 completion, cement circulated  
from 2576 feet depth to surface 550 SX cmt

API NO. 15-193-20-374-0000

County Thomas

C.S./2.N/2.SW/4Sec.31 Twp.10S.Rge.31  East  West

1650 Ft North from Southeast Corner of Section  
1320 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

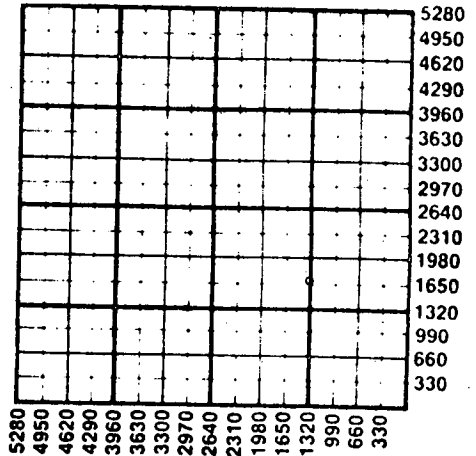
Lease Name Moorhous Well # 5-85

Field Name Campus North

Producing Formation Kansas City

Elevation: Ground 3032' KB 3037'

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 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 Don V. Rider

Title Secretary Date 12-12-85

Subscribed and sworn to before me this 12th day of December 1985

Notary Public Bette J. Rider STATE CORPORATION COMMISSION

Date Commission Expires BETTE J. RIDER NOTARY PUBLIC STATE OF KANSAS My Appl. Exp. 12-1-88

CONSERVATION DIVISION Wichita, Kansas

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)

Sec. 31 Twp. 10 S. Rge. 31 E

SIDE TWO

Operator Name Mid Continent Resources, Inc. Lease Name Moorhous Well # 5-85

Sec. 31 Twp. 10s Rge. 31  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
Anhydrite	2556	+ 481
Topeka	3775	- 738
Heebner	3996	- 959
Lansing	4035	- 998
Base Kansas City	4314	-1277
Marmaton	4343	-1306
Cherokee	4498	-1461
Mississippian	4634	-1597

RELEASED

MAR 17 1987

FROM CONFIDENTIAL

CASING RECORD <input checked="" type="checkbox"/> New <input checked="" type="checkbox"/> 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	24	305	60/40	225	2% gel. 3% cc
production	7 7/8	4 1/2	10.5	4698	B.J. Mud	500	225sks Shurfill
				2nd stage	B.J. Lite	550	

PERFORATION RECORD		Acid, Fracture, Shot, Cement Squeeze Record	
Shots Per Foot	Specify Footage of Each Interval Perforated	(Amount and Kind of Material Used)	Depth
4 SPF SW	4591-97	250gal diesel flush w/oil	
2 SPF	4598-4608	500 gal I.N.S. w/clay stab	
2 SPF	4270-80		
4 SPF	4115-19	500 gal 15% mud acid	

TUBING RECORD			
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
2 3/8"	4240	n/a	

Date of First Production	Producing Method				
11/29/85	<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....				

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	50 Bbls	MCF	50 Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

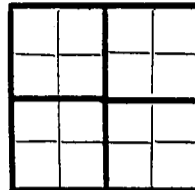
Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) ..... 4115-19  
 Used on Lease  Dually Completed .....  
 Commingled

# WELL LOG

**COMPANY** Mid-Continent Resources, Inc.  
 2805 Bentbay Circle  
 Wichita, KS 67204  
**FARM** Moorhous NO. 5-85  
**RIG. NO.** 24  
**TOTAL DEPTH** 4700'  
**COMM.** 11-05-85 **COMP.** 11-11-85  
**CONTRACTOR** Murfin Drilling Company  
 250 N. Water. Suite 300  
 Wichita, KS 67202

SEC. 31 T. 10S R. 31W  
 LOC. S/2 N/2 SW

**COUNTY** Thomas  
 KANSAS



**CONFIDENTIAL**

**CASING**  
 20 10  
 15 8 -5/8" set @ 305' w/225 sx 60/40 Poz, 2% Gel ELEVATION  
 12 6 3% CC.  
 13 5  
 4-1/2" set @ 4700' w/225 sx Common + 550 sx Lite PRODUCTION

FIGURES INDICATE BOTTOM OF FORMATIONS

Surface Sand & Clay	220'
Shale	305'
Sand & Shale	2556'
Anhydrite	2589'
Sand & Shale	2873'
Shale	3130'
Lime & Shale	4675'
Lime (RTD)	4700'

B 03 1985  
 Survey  
 WICHITA BRANCH

**RELEASED**

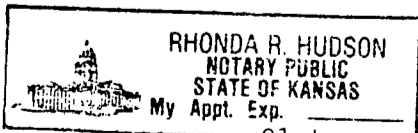
MAR 17 1987

**FROM CONFIDENTIAL**

State of KANSAS  
 County of SEDGWICK

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

upon oath state that the above and foregoing is a true and correct copy of the log of the Moorhous #5-85 well.



*Robert A. Ramseyer, Jr.*

Subscribed and sworn to before me this 21st day of November 1985

My Commission Expires: 11-18-87

DEC 17 1985  
*Rhonda R. Hudson*  
 NOTARY PUBLIC

Rhonda R. Hudson