

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 # 5205  
Name Mid-Continent Energy Corporation  
Address 120 S. Market, Suite 518  
Wichita, KS 67202-3819  
City/State/Zip

Purchaser Inland Crude Purchasing  
Wichita, KS

Operator Contact Person Jim Devlin  
Phone (316) 262-2502

Contractor: License # 5883  
Name Warrior Drilling

Wellsite Geologist Klaus Kollmai  
Phone

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

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
.1-14-81... .1-28-81... .2-20-81...  
Spud Date Date Reached TD Completion Date  
.4518... .4480...  
Total Depth PBDT  
Amount of Surface Pipe Set and Cemented at 313 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  
Cement Company Name  
Invoice #

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply.

Information on slide 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.

API NO. 15-...083-20,810...0001 *Ind*

County...Hodgeman...

.W/2 SW. SE. Sec. 2. Twp. 23 Rge. 22.  East  West

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

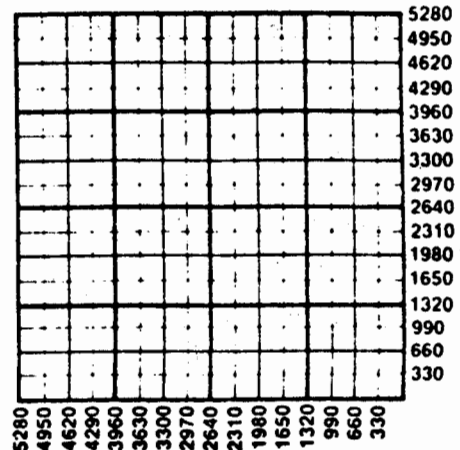
Lease Name...Querbach...Well #...1...

Field Name...Chilson SE...

Producing Formation...Marmaton...

Elevation: Ground...2212...KB...2217...

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 #...  
Unknown

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. #)

SIDE TWO

Operator Name Mid-Continent Energy Corporation Lease Name Querbach Well # 1

Sec 2 Twp 23 Rge 22  East  West County Hodgeman

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

Original Perfs 2-81 4455-4460 (Miss)  
 TA 11/86  
 Workover 2-18-87

Name	Top	Bottom
Heebner	3780	1563)
LKC	3851	(-1634)
Marmaton	4222	(-2005)
Ft. Scott	4376	(-2159)
Miss	4452	(-2235)

Perf Marmaton 4242-4246  
 Plug set @ 4275

New Zone - Chilson SF Pool

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	85 Bbls	2 MCF	0 Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

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

4242-4246

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"	20	373	Common	225	2% gel, 3% cc
Production	7-7/8"	4-1/2"	10.5	4517			

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	4242-4246	1250 gal 28% acid	4242-4246

TUBING RECORD Size 2-3/8" Set At 4240 Packer at \_\_\_\_\_ Liner Run  Yes  No

Date of First Production WO 2-21-87 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....