

# COPY

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS  
 OIL & GAS CONSERVATION DIVISION  
 WELL COMPLETION FORM  
 ACO-1 WELL HISTORY  
 DESCRIPTION OF WELL AND LEASE

Operator: License # 6236  
 Name: MTM Petroleum  
 Address: P.O. Box 82  
 City/State/Zip: Spivey, KS 67142  
 Purchaser: Koch Oil  
 Operator Contact Person: Marvin A. Miller  
 Phone: (316) 352-5178  
 Contractor: Name: Lobo Drilling Company  
 License: 5864  
 Wellsite Geologist: Dean Pattisson

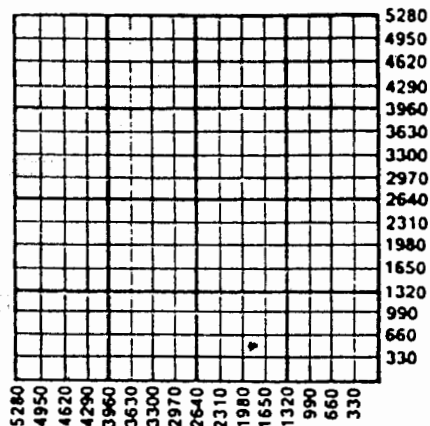
Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

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

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
 12-04-90 12-11-90 1-4-91  
 Spud Date Date Reached TD Completion Date

API NO. 15- 077-21,226  
 County Harper  
110'E & 180'N of \_\_\_\_\_ East  
 C S/2 SW SE Sec. 9 Twp. 31 Rge. 6  West  
510 Ft. North from Southeast Corner of Section  
1870 Ft. West from Southeast Corner of Section  
 (NOTE: Locate well in section plat below.)

Lease Name Wohlschlegel Well # 1-9  
 Field Name Bauer  
 Producing Formation Mississippi  
 Elevation: Ground 1502 KB 1493  
 Total Depth 4412' PBTD 4379



Amount of Surface Pipe Set and Cemented at 217' Feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ Feet  
 If Alternate II completion, cement circulated from \_\_\_\_\_  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt

**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 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Marvin A. Miller  
 Title President Date 1-23-91  
 Subscribed and sworn to before me this 23 day of January,  
91.  
 Notary Public Kim Adelhardt  
 Kim Adelhardt  
 Date Commission Expires 7/05/93

**KIM ADELHARDT**  
 Notary Public - State of Kansas  
 My Appt. Expires 7/05/93

**K.C.C. OFFICE USE ONLY**

F  Letter of Confidentiality Attached  
 C  Wireline Log Received  
 C  Drillers Timelog Received

**Distribution**

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

SIDE TWO

Operator Name MTM Petroleum Lease Name Wohlschlegel Well # 1-9  
 Sec. 9 Twp. 31 Rge. 6  East County Harper  
 West

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  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

Formation Description  
 Log  Sample  
 Name Top Bottom  
 Attached

**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"	23#	217	60/40 poz	150	2% gel 3% cc
Production	7 7/8"	5 1/2"		4411'	common	100	10% salt

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2	4346-4352	750 gal 15% FE Acid	4346-4352

**TUBING RECORD** Size 2-7/8 Set At 4370 Packer At \_\_\_\_\_ Liner Run  Yes  No

Date of First Production 1-4-91 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours	Oil 31 Bbls.	Gas 75 Mcf	Water 63 Bbls.	Gas-Oil Ratio	Gravity
					36

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled  
 Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_

9-31-6W

Lease: Wohlsehlegel # 1-9

Log KB Tops: Formation	Top
Topeka LS	2756
Elgin S.S.	3006
Heebner Sh.	3170
Toronto LS.	3196
Douglas Sh.	3257
Haskell LS.	3417
Stalnaker S.S.	3503
Kansas City Gp.	3725
Stark Sh.	3858
Swope LS.	3867
Hushpuckney Sh.	3894
Hertha LS.	3903
Base KC Gp.	3980
Bandera Sh.	4080
Labette Sh.	4134
Cherokee Gp.	4152
Erosional Miss.	4320
Mississippi Warsaw	4337
Mississippi Osage	4380

IAN 30 1991

DST#1

Test Interval 3832-3862  
 Formation: Kansas City Drum LS.  
 Tool Interval: 40"-60"-25"-30"  
 IHP: 1952#  
 IFP: 74-74#  
 ISIP: 1515#  
 FFP: 96-96#  
 FSIP: 1289#  
 FHP: 1902#

Preflow: Shallow blow 1/2" in bucket,  
 dead in 17". Final Flow: Shallow  
 blow 1/2" in bucket, dead in 5".

Recovery: 10' DM  
 BHT: 108 Deg. F.

DST#2

Test Interval 4325-4361  
 Formation: Erosional Mississippi and  
 Mississippi Warsaw  
 Tool Interval: 30"-63"-65"-96"  
 IHP: 2194#  
 IFP: 230-212#  
 ISIP: 1474#  
 FFP: 208-265#  
 FSIP: 1457#  
 FHP: 2194#

Preflow: Strong, off bottom imm. GTS:  
 4", Ga: 59.2-108 mcf/d Final Flow: Strong,  
 Gas throughout, Ga: 147-86.3 mcf/d

Recovery: 560' HGCMA, Approx. 60% Oil,  
 30% Gas, 10% Mud Oil Gravity: 36 API  
 100, Water & Muddy Water  
 Measured 87K chlorides.

BHT: 136 deg. F.