



Operator Name .....

70919

Sec. 5 Twp. 10 Rge. 16  East  West

County Rooks

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

Table with 3 columns: Name, Top, Bottom. Rows include Heebner, Toronto, Lansing, Muncie Creek, LTD, and RTD with their respective depths.

CASING RECORD  New  Used
Report all strings set-conductor, surface, intermediate, production, etc.

Table with 8 columns: 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. Includes data for Surface and Production strings.

PERFORATION RECORD and Acid, Fracture, Shot, Cement Squeeze Record. Includes columns for Shots Per Foot, Specify Footage of Each Interval Perforated, (Amount and Kind of Material Used), and Depth.

TUBING RECORD. Includes columns for Size, Set At, Packer at, Liner Run, Yes/No.

Date of First Production 5/5/89 Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

5-10-16W

MALLARD JV, INC.  
P.O. BOX 1009  
McPHERSON, KS 67460

DRILLERS' LOG

OPERATOR: Viking Resources  
120 S. Market, Suite 518  
Wichita, KS 67202-3819

WELL: Collins #4  
API#: 15-163-23,041

COMMENCED: April 19, 1989

LOCATION: 50' SW of N/2 NE SW

COMPLETED: April 25, 1989

2275 Ft. FSL, 3325 Ft. FEL

TOTAL DEPTH: 3534 Ft.

SEC. 5 TWP. 10 S RGE. 16 W

ELEVATION: 2017 Ft. G.L.

COUNTY: Rooks

2024 Ft. K.B.

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Remarks:

Cut 12 1/4" hole to 217' and ran 5 joints 8-5/8" x 20# x 203' surface casing.  
Set at 213' and cemented with 140 sacks 60/40 Pozmix, 2% gel, 3% cc.  
Cement did circulate. P.D. at 1:00 a.m. 4/20/89.

Drilled to 3534' R.T.D. Arbuckle, and logged. Ran 117 joints 5 1/2" x 15# x 3540'  
casing. Set at 3533' and cemented with 150 sacks EA-2, 5% Cal-seal, 18% salt.  
Land plug with 1000# at 2:05 p.m. 4/25/89.

RECEIVED  
STATE CORPORATION COMMISSION

JUN 7 1989

CONSERVATION DIVISION  
Wichita, Kansas

KANSAS GEOLOGICAL SURVEY  
WICHITA BRANCH

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STATE OF KANSAS )  
COUNTY OF MCPHERSON ) SS:

I, BRYAN HESS of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Collins #4 well as reflected by the files of Mallard JV, Inc.

*Bryan Hess*  
BRYAN HESS, General Mgr.

Subscribed and sworn to before me this 4th day of May, 1989.

11-15-89  
My Appt. Exp

*Don J. Reichenberger*  
NOTARY PUBLIC

