

# ORIGINAL

SIDE ONE

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

API NO. 15- 135-23,490-0000  
County Ness  
100' W and 50' S of ✓  
NE NW NW Sec. 13 Twp. 19s Rge. 26W East West

Operator: License # 5011  
Name: Viking Resources, Inc.  
Address 105 S. Broadway, Suite 1040  
Wichita, KS 67202-4224  
City/State/Zip

4900 Ft. North from Southeast Corner of Section  
4390 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Antenen Well # 1  
Field Name

Producing Formation

Elevation: Ground 2574 KB 2582

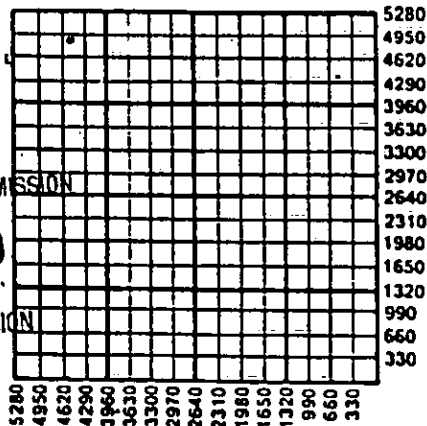
Total Depth 4580 PBTD

Purchaser:  
Operator Contact Person: Jim Devlin  
Phone ( 316 ) 262-2502  
Contractor: Name: Mallard JV, Inc.  
License: 4958

Wellsite Geologist: Rob Patton

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

RECEIVED  
STATE CORPORATION COMMISSION  
AUG 29 1990  
CONSERVATION DIVISION  
Wichita, Kansas



152 Oka

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

Amount of Surface Pipe Set and Cemented at 270' 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.

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
7-26-90 8-3-90  
Spud Date Date Reached TD Completion Date

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 James B. Devlin  
Title James B. Devlin, President Date 8-17-90  
Subscribed and sworn to before me this 17th day of August, 19 90.  
Notary Public Paula R. Dunagan

RECEIVED  
K.C.C. OFFICE USE ONLY  
Letter of Confidentiality Attached  
 Wireline Log Received  
 Drillers Timelog Received  
Distribution  
 SWD/Rep  NGPA  
 Plug  Other  
(Specify)  
KCC  
KGS  
Wichita, Kansas

Date Commissioned March 2, 1993  
**PAULA R. DUNAGAN**  
NOTARY PUBLIC  
STATE OF KANSAS  
My Appt. Exp. 3/2/97

ORIGINAL

SIDE TWO

Operator Name Viking Resources, Inc. Lease Name Antenen Well # 1
County Ness
Sec. 13 Twp. 19 Rge. 26

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 [X] Yes [ ] No
Samples Sent to Geological Survey [X] Yes [ ] No
Cores Taken [ ] Yes [X] No
Electric Log Run [ ] Yes [X] No
DST #1, 4528-4566, 30-45-30-60, Rec. 15' Mud w/scum of oil, FP: 67/67 74/74, BHP: 1212/951 HP; 2276/2258

Formation Description table with columns: Name, Top, Bottom. Rows include Anhydrite (1857 +725), Heebner (3904 -1322), Lansing (3945 -1363), Ft. Scott (4456 -1874), Miss Dol (4561 -1979), RTD (4580 -1998).

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

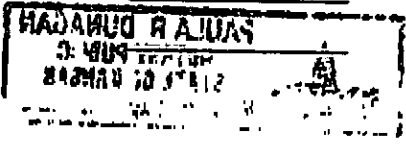
Table with 8 columns: Purpose of String, Size Hole Drilled, Size Casing Set (In O.D.), Weight Lbs./Ft., Setting Depth, Type of Cement, # Sacks Used, Type and Percent Additives. Row 1: Surface, 12 1/4, 8-5/8, 20, 270, 60/40 poz, 150, 2% gel, 3% cc.

PERFORATION RECORD table with columns: Shots Per Foot, Specify footage of Each Interval Perforated, Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used), Depth.

TUBING RECORD Size Set At Pecker At Liner Run [ ] Yes [ ] No

Table with 7 columns: Date of First Production, Producing Method (Flowing, Pumping, Gas Lift, Other), Estimated Production Per 24 Hours (Oil Bbls., Gas Mcf, Water Bbls., Gas-Oil Ratio, Gravity).

Disposition of Gas: [ ] Vented [ ] Sold [ ] Used on Lease
METHOD OF COMPLETION: [ ] Open Hole [ ] Perforation [ ] Dually Completed [ ] Commingled [ ] Other (Specify)
Production Interval



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

ORIGINAL

DRILLERS' LOG

OPERATOR: VIKING RESOURCES, INC.  
105 S. Broadway, Suite 1040  
Wichita, KS 67202

WELL: ANTENEN #1  
API#: 15-135-23,490 - 0000

COMMENCED: July 27, 1990

LOCATION: NE NW NW

COMPLETED: August 3, 1990

4950 Ft. FSL, 4290 Ft. FEL

TOTAL DEPTH: 4580 Ft.

SEC. 13 TWP. 19 S RGE. 26 W

ELEVATION: 2564 Ft. G.L.

COUNTY: Ness

2572 Ft. K.B.

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D & A Mississippi Formation

REMARKS:

Cut 12 1/4" hole to 275' and ran 6 joints 8-5/8" x 20# x 260.41' surface casing. Set at 270.06' and cemented with 150 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. 7:00 a.m. 7-28-90.

Ran 1 DST.

Drilled 7-7/8" hole to 4580' R.T.D. and plugged with 205 sacks 60/40 Pozmix, 6% gel as follows:

- 50 sx @ 1880'
- 80 sx @ 950'
- 40 sx @ 300'
- 10 sx @ 30' to surface
- 15 sx R.H., 10 sx M.H.
- P.D. 2:45 p.m. 8-3-90

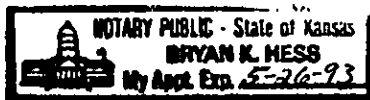
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STATE OF KANSAS )  
COUNTY OF MCPHERSON ) SS:

I, Dick Hess of MALLARD JV, INC. hereby certify that this is a true and correct copy of the log of the Antenen #1 well as reflected by the files of Mallard JV, Inc.

*Dick Hess*

Subscribed and sworn to before me this 20th day of August, 1990.



*Bryan K. Hess*  
NOTARY PUBLIC