

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

Operator: License # 5011  
Name: Viking Resources  
Address 120 S. Market, Suite 518  
Wichita, KS 67202-3819  
City/State/Zip \_\_\_\_\_

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)

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

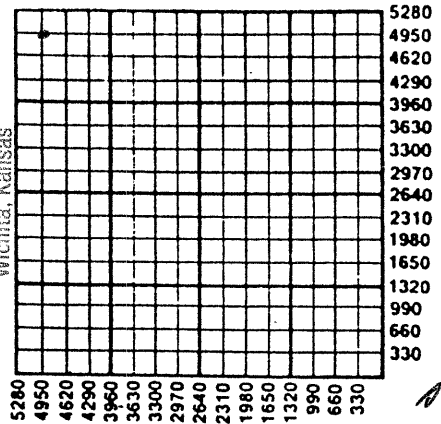
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
11-29-89 12-3-89 12-3-89  
Spud Date Date Reached TD Completion Date

API NO. 15- 065-22549-00-00  
County Graham  
NW NW NW Sec. 3 Twp. 7 Rge. 21  East  
West

4950' Ft. North from Southeast Corner of Section  
4950' Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Lease Name Brown Well # 1  
Field Name \_\_\_\_\_  
Producing Formation \_\_\_\_\_

Elevation: Ground 2182 KB 2191  
Total Depth 3800 PBTD \_\_\_\_\_



RECEIVED  
FEB 20 1990  
2-20-90  
CONSERVATION DIVISION  
Wichita, Kansas  
STATE CORPORATION COMMISSION

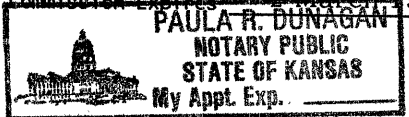
Amount of Surface Pipe Set and Cemented at 209 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from \_\_\_\_\_  
feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

AIT II Dry

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 Rob Patton  
Title Owner/Operator Date 2/19/90  
Subscribed and sworn to before me this 19th day of February, 1990.  
Notary Public Paula R. Dunagan  
Date Commission Expires 2 March 1993



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

X-PI

SIDE TWO

Operator Name Viking Resources Lease Name Brown Well # 1  
Sec. 3 Twp. 7 Rge. 21  East County Graham  
 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.)

Name	Formation Description	
	Top	Bottom
Anhydrite		not present
Heebner	3416	(-1225)
Lansing	3452	(-1261)
Arbuckle	3720	(-1529)
RTD	3800	(-1609)

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 1/4	8-5/8	28	209	60/40 poz	150	3%cc 2%gel

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

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 Packer At

Liner Run  Yes  No

Date of First Production	Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)							
Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity

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

15-065-22549-00-00

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: Brown #1

API#: 15-065-22,549-00-00

COMMENCED: November 29, 1989

LOCATION: NW NW NW

COMPLETED: December 3, 1989

4950 Ft. FSL, 4950 Ft. FEL

TOTAL DEPTH: 3800 Ft.

SEC. 3 TWP. 7 S RGE. 21 W

ELEVATION: 2183 Ft. G.L.

COUNTY: Graham

2191 Ft. K.B.

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Cut 12 1/2" hole to 213' and ran 5 joints 8-5/8" x 28# x 200' surface casing.  
Set at 209' and cemented with 150 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement  
did circulate. P.D. at 3:30 a.m. 11-30-89.

Drilled 7-7/8" hole to 3800' R.T.D. in Arbuckle formation and ran electric  
log.

Plugged hole with 200 sacks 60/40 Pozmix, 6% gel, 3% cc as follows:

- 25 sx @ 1890'
- 100 sx @ 1050' and 1 sack hulls
- 40 sx @ 260'
- 10 sx @ 40' solid bridge to surface
- 15 sx R.H., 10 sx M.H.
- P.D. @ 8:45 p.m. 12-3-89

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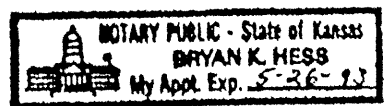
STATE OF KANSAS )  
COUNTY OF MCPHERSON ) SS:

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

RECEIVED  
STATE OF KANSAS  
FEB 20 1990  
CONSERVATION DIVISION  
Wichita, Kansas

James H. Hess  
James H. Hess, Vice-President

Subscribed and sworn to before me this 8th day of December, 1989.



Bryan K. Hess  
NOTARY PUBLIC