

15-179-20951-00-00

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 # 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 **OWNO**: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

Spud Date 12-6-89 Date Reached TD 12-11-89 Completion Date 12-11-89

API NO. 15- 179-20951-00-00

County Sheridan

NW NW SW Sec. 5 Twp. 9s Rge. 26  East  West

2310 Ft. North from Southeast Corner of Section

4950 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

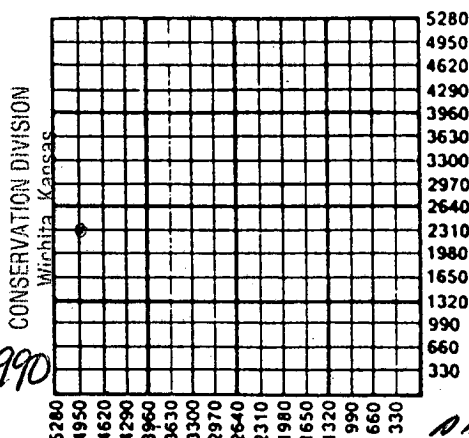
Lease Name Minium Well # 1

Field Name \_\_\_\_\_

Producing Formation \_\_\_\_\_

Elevation: Ground 2671 KB 2679

Total Depth 4041 PBTD \_\_\_\_\_



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FEB 20 1990

Amount of Surface Pipe Set and Cemented at 260 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.

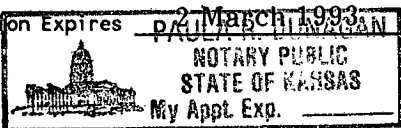
Signature [Signature]

Title Owner/Operator Date \_\_\_\_\_

Subscribed and sworn to before me this 19th day of February 1990.

Notary Public [Signature]

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)

SIDE TWO

Operator Name Viking Resources Lease Name Minium Well # 1  
 Sec. 5 Twp. 9S Rge. 26  
 East  West  
 County Sheridan

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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<p style="text-align: center;"><b>Formation Description</b></p> <input type="checkbox"/> Log <input checked="" type="checkbox"/> Sample <table style="width:100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Bottom</th> </tr> </thead> <tbody> <tr> <td>Anhydrite</td> <td>2263 (+416)</td> <td></td> </tr> <tr> <td>Heebner</td> <td>3796 (-1117)</td> <td></td> </tr> <tr> <td>Lansing</td> <td>3835 (-1156)</td> <td></td> </tr> <tr> <td>TD</td> <td>4041 (-1362)</td> <td></td> </tr> </tbody> </table>	Name	Top	Bottom	Anhydrite	2263 (+416)		Heebner	3796 (-1117)		Lansing	3835 (-1156)		TD	4041 (-1362)	
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Anhydrite	2263 (+416)															
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TD	4041 (-1362)															

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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	24	260	60/40pbz	160	2%gel3%cc
<b>PERFORATION RECORD</b>				<b>Acid, Fracture, Shot, Cement Squeeze Record</b>			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)			Depth
<b>TUBING RECORD</b>				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Size	Set At	Packer At				
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 \_\_\_\_\_

15-179-20951-00-00

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: Minium #1

API#: 15-179-20,951

COMMENCED: December 6, 1989

LOCATION: NW NW SW

COMPLETED: December 11, 1989

2310 Ft. FSL, 2310 Ft. FEL

TOTAL DEPTH: 4042 Ft.

SEC. 5 TWP. 9 S RGE. 26 W

ELEVATION: 2671 Ft. G.L.

COUNTY: Sheridan

2679 Ft. K.B.

\*\*\*\*\*

Cut 12 1/2" hole to 265' and ran 7 joints 8-5/8" x 24# x 250.12' surface casing. Set at 259.72' and cemented w/170 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. @ 10:40 p.m. 12-6-89.

Drilled to 4042' R.T.D. Kansas City formation. Plugged hole with 200 sacks 60/40 Pozmix, 6% gel as follows:

- 25 sx @ 2270'
- 100 sx @ 1400'
- 40 sx @ 310'
- 10 sx @ 40'
- 15 sx R.H., 10 sx M.H.
- P.D. @ 4:30 a.m. 12-11-89.

RECEIVED  
STATE CORPORATION COMMISSION

FEB 20 1990

CONSERVATION DIVISION  
Wichita, Kansas

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 Minium #1 well as reflected by the files of Mallard JV, Inc.

*James H. Hess*  
James H. Hess - President

Subscribed and sworn to before me this 19th day of December, 1989.

NOTARY PUBLIC - State of Kansas  
BRYAN K. HESS  
My Appt. Exp. 5-26-93

*Bryan K. Hess*  
NOTARY PUBLIC

K