

STATE CORPORATION COMMISSION OF KANSAS  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION OR RECOMPLETION 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 Koch Oil Company  
Wichita, KS

Operator Contact Person Jim Devlin  
Phone (316) 262-2502

Contractor: License # 4958  
Name Mallard JV, Inc.

Wellsite Geologist Arden Ratzlaff  
Phone

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

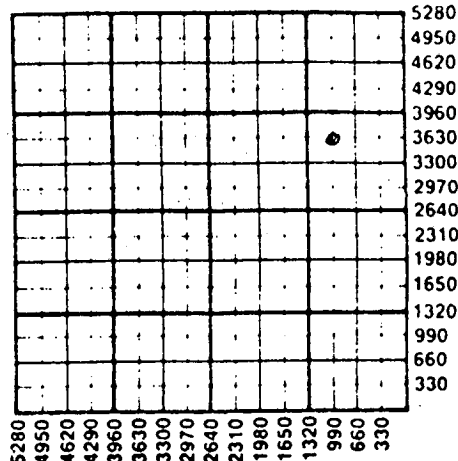
WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
5-7-88 5-15-88 6-8-88  
Spud Date Date Reached TD Completion Date  
4403 4403  
Total Depth PBTD  
Amount of Surface Pipe Set and Cemented at 227 feet  
Multiple Stage Cementing Collar Used? Yes No   
If yes, show depth set feet  
If alternate 2 completion, cement circulated from 4396 feet depth to surf w/ .375 SX cmt  
Cement Company Name Allied Cementing  
Invoice # 51586  
7-12-88

API NO. 15-135-23,240-00-00  
County Ness  
NW SE NE Sec. 31 Twp. 17 Rge. 24 East  
3630 Ft North from Southeast Corner of Section  
990 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Lease Name Rodie Well # 1  
Field Name Keilman, South  
Producing Formation Mississippian and Ft. Scott  
Elevation: Ground 2415 KB 2423

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

Questions on this portion of the ACO-1 call:

Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater Ft North from Southeast Corner  
(Well) Ft West from Southeast Corner of  
Sec Twp Rge East West

Surface Water 150 Ft North from Southeast Corner  
(Stream, pond etc) 2500 Ft West from Southeast Corner  
Spring Sec 4 Twp 18 Rge 24 East  West

Other (explain)  
(purchased from city, R.W.D. #)

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. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 Operator Date 7/11/88

Subscribed and sworn to before me this 11th day of July 1988

Notary Public Paula R. Dunagan

Date Commission Expires 2 March 1989

K.C.C. OFFICE USE ONLY  
F Letter of Confidentiality Attached  
C Wireline Log Received  
C Drillers Timelog Received  
Distribution  
 KCC  SWD/Rep  NGPA  
 Plug  Other (Specify)  
RECEIVED  
KANSAS CORPORATION COMMISSION  
JUL 13 1988 7-13-88  
Form ACO-1 (5-86)



07-13-1988  
CONSERVATION DIVISION  
Wichita, Kansas

Sec 31 Twp. 17 Rge. 24 W

Operator Name **Viking Resources** Lease Name **Rodie** Well # **1**

Sec **31** Twp **17** Rge **24**  East  West County **Ness**

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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample
---	--

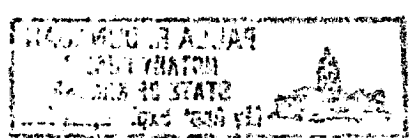
  

DST #1, 4283-4340, 30=30-30-30, Rec. 1200' GIP, 50' O, 180' OCM, FP: 95/116 127/148, BHP: 1229/1250  DST #2, 4342-4403, 30-30-30-30, Rec. 150' GIP, 90' O, 475' MO, FP: 116/180 243/286 BHP: 884/947	<table border="0" style="width:100%"> <tr> <th style="text-align:left">Name</th> <th style="text-align:left">Top</th> <th style="text-align:left">Bottom</th> </tr> <tr> <td>Anhydrite</td> <td>1700 (+723)</td> <td></td> </tr> <tr> <td>B. Anhydrite</td> <td>1732 (+691)</td> <td></td> </tr> <tr> <td>Heebner</td> <td>3752 (-1329)</td> <td></td> </tr> <tr> <td>Lansing</td> <td>3796 (-1373)</td> <td></td> </tr> <tr> <td>Stark</td> <td>4066 (-1643)</td> <td></td> </tr> <tr> <td>BKC</td> <td>4106 (-1683)</td> <td></td> </tr> <tr> <td>FT. Scott</td> <td>4294 (-1871)</td> <td></td> </tr> <tr> <td>Miss Dolo</td> <td>4392 (-1969)</td> <td></td> </tr> <tr> <td>RTD</td> <td>4403 (-1980)</td> <td></td> </tr> <tr> <td>LTD</td> <td>4397 (-1974)</td> <td></td> </tr> <tr> <td>Drilled 10' deeper</td> <td>4413 (-1990)</td> <td></td> </tr> </table>	Name	Top	Bottom	Anhydrite	1700 (+723)		B. Anhydrite	1732 (+691)		Heebner	3752 (-1329)		Lansing	3796 (-1373)		Stark	4066 (-1643)		BKC	4106 (-1683)		FT. Scott	4294 (-1871)		Miss Dolo	4392 (-1969)		RTD	4403 (-1980)		LTD	4397 (-1974)		Drilled 10' deeper	4413 (-1990)	
Name	Top	Bottom																																			
Anhydrite	1700 (+723)																																				
B. Anhydrite	1732 (+691)																																				
Heebner	3752 (-1329)																																				
Lansing	3796 (-1373)																																				
Stark	4066 (-1643)																																				
BKC	4106 (-1683)																																				
FT. Scott	4294 (-1871)																																				
Miss Dolo	4392 (-1969)																																				
RTD	4403 (-1980)																																				
LTD	4397 (-1974)																																				
Drilled 10' deeper	4413 (-1990)																																				

CASING RECORD <input checked="" 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 1/4	8-5/8	20#	227	60/40 POZ	140	2% gel, 3% cc
Production	7-7/8	5-1/2	14#	4396	Lite AFC	250	
						125	
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
2	4296-4299			500 gal 15% NE		4296-4299	
				2000 gal 15% NE		4296-4299	
				400 gal 28% NE		4396-4403	
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer at					
2-7/8	4322	4287					
Date of First Production		Producing Method					
7-1-88		<input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....					
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
85 Bbls		MCF	5 Bbls	CFPB			

METHOD OF COMPLETION	Production Interval
Disposition of gas: <input type="checkbox"/> Vented <input checked="" type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perforation <input type="checkbox"/> Sold <input type="checkbox"/> Other (Specify) ..... <input type="checkbox"/> Used on Lease	..... 4296-4299 .....  ..... 4396-4403 OH ..... <input type="checkbox"/> Dually Completed <input checked="" type="checkbox"/> Commingled

88 C M F



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: Rodie #1  
API#: 15-135-23,240

COMMENCED: May 7, 1988

LOCATION: NW SE NE  
3630 Ft. FSL, 990 Ft. FEL

COMPLETED: May 15, 1988

Sec. 31 Twp. 17 S. Rge. 24 W

TOTAL DEPTH: 4403 Ft.

COUNTY: Ness

ELEVATION: 2415 Ft. G.L.

2423 Ft. K.B.

\*\*\*\*\*

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>
Surface	0'	227'
Shale, Sand, Clay	227	1696
Anhydrite	1696	1733
Shale, Lime	1733	4403 R.T.D. Miss.

REMARKS

Cut 12 1/4" hole to 227' and ran 5 joints 8-5/8" x 20# x 217.39' new surface casing. Set at 226.89' and cemented with 140 sacks 60/40 Pozmix, 2% gel, 3% cc. Cement did circulate. P.D. at 9:50 p.m. 5-7-88.

Ran 2 DST's and electric log.

Ran 119 joints 5 1/2" x 14# casing. Set at 4396' and cemented with 250 sacks Econolite and 125 sacks ASC (375 sacks total). Cement did circulate. P.D. at 11:00 a.m. 5-15-88.

\*\*\*\*\*

STATE OF KANSAS )  
                          ) SS:  
COUNTY OF McPHERSON)

I, BRYAN HESS of MALLARD DRILLING, do hereby certify that this is a true and correct copy of the log of the Rodie #1 well as reflected by the files of Mallard Drilling.

*Bryan Hess*  
Bryan Hess, Gen. Mgr.

Subscribed and sworn to before me this 20th day of May, 1988.

11-15-89  
My Commission Expires

RECEIVED  
STATE CORPORATION COMMISSION  
JUL 13 1988  
07-13-1988  
CONSERVATION DIVISION  
Wichita, Kansas

*Don J. Reichenberger*  
Notary Public

