

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

API NO. 15-063-20,958  
County Gove  
110' S of  
NW NW NW Sec. 21 Twp. 11 Rge. 31 East  
West

Operator: License # 5011  
Name Viking Resources  
Address 217 E. William  
Wichita, KS 67202-4005  
City/State/Zip

4840 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser Koch Oil Company  
Wichita, KS

Lease Name Wieland Well # 2

Field Name Penny East

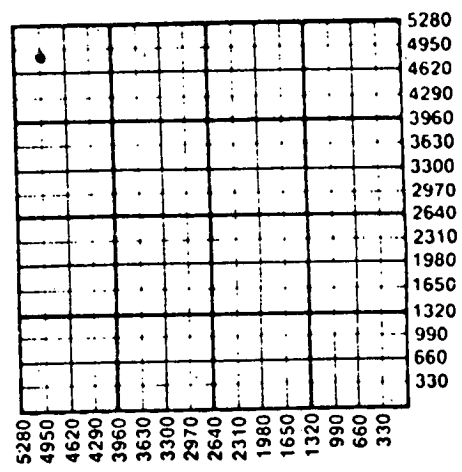
Operator Contact Person Jim Devlin  
Phone 316-262-2502

Producing Formation Lower Pawnee

Elevation: Ground 2981 KB 2986

Contractor: License # 5420  
Name White and Ellis Drilling, Inc.

Section Plat



Wellsite Geologist Jim Maloney  
Phone 316-262-2502

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

WATER SUPPLY INFORMATION

Disposition of Produced Water:  Disposal  
Docket # 97736-C  
(C-16920)  Repressuring

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

WELL HISTORY

Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
9-4-85 9-13-85 9-26-85  
Spud Date Date Reached TD Completion Date  
4605 4573  
Total Depth PBTD

Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit #

Groundwater 105  
3790 Ft North from Southeast Corner  
(Well) Ft West from Southeast Corner of  
Sec 8 Twp 11 Rge 31 East West

Amount of Surface Pipe Set and Cemented at 342 feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set 2500 feet  
If alternate 2 completion, cement circulated  
from 2500 feet depth to surf w/ 920 SX cmt  
Cement Company Name Allied Cementing  
Invoice # 44213

Surface Water Ft North from Southeast Corner  
(Stream, pond etc) Ft West from Southeast Corner  
Sec Twp Rge East West  
Other (explain)  
(purchased from city, R.W.D. #)

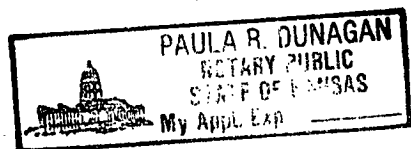
INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 and 82-3-107 apply.  
Information on side two of this form will be held 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 Partner-Operator Date 2 Oct 1985

Subscribed and sworn to before me this 2nd day of October 1985  
Notary Public Paula R. Dunagan  
Date Commission Expires March 2, 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  
KGS Plug Other (Specify)



RECEIVED  
STATE CORPORATION COMMISSION  
Form ACO-1 (7-84)

OCT 3 1985  
10-3-1985  
CONSERVATION DIVISION  
Wichita, Kansas

SIDE TWO

Operator Name **Viking Resources** Lease Name **Wieland** Well # **2**

Sec. **21** Twp. **11** Rge. **31**  East  West County **GOVA**

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	Formation Description <input checked="" type="checkbox"/> Log <input type="checkbox"/> Sample
Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
DST #1, 4140-4235, 30-30-60-60, Rec. 265' Gas in Pipe, 130' Free Oil, 120' Gassy Heavy Oil Cut Mud, 60' Gassy Oil Cut Mud, BHP: 1200/1200#, HP: 125/135# 173/192#, HP: 2151/2104#, BHT: 113°	Name Top Bottom Anhydrite 2496 (+490) B. Anhydrite 2532 (+454) Heebner 3973 (-987) Toronto 4001 (-1015) LKC 4018 (-1032) Stark Shale 4232 (-1246) BKC 4294 (-1308) Marmaton 4326 (-1340) Pawnee 4414 (-1428) Myrick Station 4458 (-1472) Ft. Scott 4481 (-1495) Lower Cher Sh 4508 (-1522) Johnson 4550 (-1564) Mississippian 4579 (-1593) RTD 4605 (-1619) LTD 4607 (-1621)
DST #2, 4230-4300, 30-30-60-60, Rec. 970' Gas In Pipe, 170' Gassy Muddy Oil, 60' Gassy Muddy Oil, 60' Gassy Heavy Oil Cut Mud, 60' Gassy Water and Oil Cut Mud, 180' Slightly Oil and Mud Cut Salt Water, BHP: 1184/1184#, FP: 104/155# 197/259#, HP: 2264/2243#, T: 114°	
DST #3, 4294-4350, 30-30-60-60, Rec. 5' Free Oil, 75' Muddy Oil, 60' Gassy Slightly Oil Cut Mud, 60' Slightly Oil Cut Mud, BHP: 1191/1219#, FP: 73/93# 114/145#, HP: 2514/2441#, BHT: 115°	
DST #4, 4448-4475, 30-45-30-45, GTS in 7 minutes, Rec. 750' Clean Gassy Oil, 180' Gassy Muddy Oil, 180' Gassy Mud Cut Oil, 120' Salt Water, BHP: 1009/1000#, FP: 135/245# 336/413#, HP: 2257/2210#, BHT: 116°	
DST #5, 4530-4570, 30-45-45-60, Rec. 90' Gassy Heavy Oil Cut Mud, BHP: 249/311#, FP: 41/52 52/62#, HP: 2380/2369#, BHT: 117°	

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	20	350	60/40 Poz	195	2% gel, 3% cc
Production	7-7/8	5 1/2	15.5	4604	Phixotropic	250	

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

3	4558-4561	1000 gallons 15% NF	4558-4561
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TUBING RECORD Size 2-3/8" Set At 4470 Packer at None Liner Run  Yes  No

Date of First Production 9-30-85 Producing Method  Flowing  Pumping  Gas Lift  Other (explain)

Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	103 Bbls	0 MCF	20 Bbls	CFPB	

METHOD OF COMPLETION  Dually Completed  Commingled  Perforation  
Disposition of gas:  Vented  Sold  Used on Lease  
Production Interval 4558-4561