

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 # 5086  
Name Pintail Petroleum, Ltd.  
Address 412 E. Douglas, #1  
City/State/Zip Wichita, KS 67202

Purchaser SHUT-IN  
Operator Contact Person Flip Phillips  
Phone (316) 263-2243

Contractor: License # 4630  
Name Mallard Drilling

Wellsite Geologist none  
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 Wilkonson Drig. Inc.  
Well Name Lucas #2  
Comp. Date 1-16-62 Old Total Depth 4154

WELL HISTORY

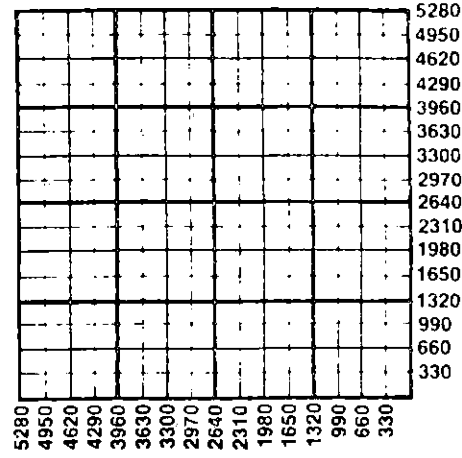
Drilling Method:  
 Mud Rotary  Air Rotary  Cable  
7-15-86 7-16-86 10-07-86  
Spud Date Date Reached TD Completion Date  
4154 4098  
Total Depth PBTD  
see old file  
Amount of Surface Pipe Set and Cemented at 255 feet  
Multiple Stage Cementing Collar Used? Yes No  
If yes, show depth set...feet  
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt  
Cement Company Name  
Invoice #

API NO. 15-185-017025  
County Stafford  
NW SE NE Sec. 4 Twp 24 Rge 15 East West

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 Lucas Well # 3  
Field Name South Macksville  
Producing Formation Viola  
Elevation: Ground 2017 KB 2025

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal  
Docket # Repressuring

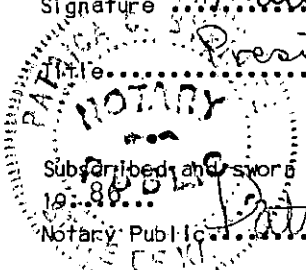
Questions on this portion of the ACO-1 call:  
Water Resources Board (913) 296-3717

Source of Water:  
Division of Water Resources Permit # T86-263  
Drilled by Rosencrantz-Bemis  
Groundwater...Ft North from Southeast Corner (Well) ...Ft West from Southeast Corner of Sec Twp Rge East West  
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 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 Walter J. Phillips  
Title President Date 12/10/86



Subscribed and sworn to before me this 10 day of December 1986  
Notary Public Patricia C. Byerlee  
Date Commission Expires December 11, 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)

DEC 12 1986  
12-12-86  
CONSERVATION DIVISION  
Wichita, Kansas

Sec. 4, Twp. 24 Rge. 15 E

SIDE TWO

Operator Name ...Pintail Patolawn, Ltd..... Lease Name, Lucas..... Well #.1.....

Sec...4..... Twp...24S... Rge...15.....  East  West County...Stafford.....

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  Yes  No  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No

Formation Description  
 Log  Sample

Name	Top	subsea <del>0336K</del>
Heebner	3501	-1480
Br. Lime	3641	-1620
Lansing	3648	-1627
Viola	4015	-1992

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
surf-see file on Wilkonson Drig...on #2...Lucas as this is a QWNO of that well.	4 1/2"			4152	50/50 poz	150	18% salt 3/4% CFR-2

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
3	4081-4089	2000 gal 7% MCA	
2	4060-4068	frac w/973 bbls cross-linked gelled water 27500# 20/40 sand and 7500# 10/20 sand	
1	4076		
4	4042-4052		
3	4032-4036		

TUBING RECORD Size 2-3/8" Set At 4071 Packer at Liner Run  Yes  No

Date of First Production see copy of 4pt. test attached Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity
	0	240,000	0	CFGD	CFPB

METHOD OF COMPLETION Production Interval

Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  
 Shut-in  Commingled

4019-4089