

22-225-350 COPY

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

Operator: License # 31137Name: Pennzoll Exploration & ProductionAddress P.O. Box 2967City/State/Zip Houston, Tx. 77252-2967Purchaser: NORTHERN NATURAL GASOperator Contact Person: K. Sam JonesPhone (713) 546-4930Tractor: Name: Abercrombie RTD, Inc.License: 30684Wellsite Geologist: None

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ SWD ☐ SLOW ☐ Temp. Abd.
☒ Gas ☐ ENHR ☐ SIGW
☐ Dry ☐ Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

☐ Deepening ☐ Re-perf. ☐ Conv. to Inj/SWD
☐ Plug Back ☐ PBDT
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

9-28-95 9-30-95 9-30-95
Spud Date Date Reached TD Completion Date

API NO. 15- 093-21,473

County KearnyApprox. C - NW/4 Sec. 22 Twp. 22S Rge. 35W XX E1250' Feet from S (circle one) Line of Section1250' Feet from E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name POPE Well # 2Field Name HUGOTONProducing Formation ChaseElevation: Ground 3035' 3043.1 KB 3040' 3048.1 RevsTotal Depth 2830' PBDT 2740'Amount of Surface Pipe Set and Cemented at 216.00' FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2830'feet depth to SURFACE w/ 715 sx cmt.Drilling Fluid Management Plan ALT 2 87X 9-18-96
(Data must be collected from the Reserve Pit)Chloride content 37,000 ppm Fluid volume 900 bblsDewatering method used EvaporationLocation of fluid disposal if hauled offsite:

Operator Name _____

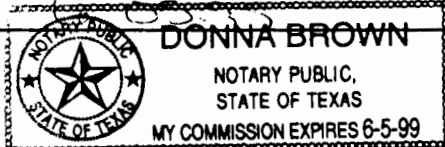
Lease Name DEC 04 1995 License No. _____Quarter Sec. Twp. S Rng. E/WCounty WICHITA, KS Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 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 geologist well report 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.

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 Teresa B. BrownTitle Production Assistant Date 11/30/95Subscribed and sworn to before me this 30th day of NOVEMBER 1995.Notary Public Donna Brown

Date Commission Expires _____



K.C.C. OFFICE USE ONLY
F ☐ Letter of Confidentiality Attached
C ☒ Wireline Log Received
C ☐ Geologist Report Received

Distribution
☒ KCC ☐ SWD/Rep ☐ NGPA
☐ KGS ☐ Plug ☐ Other
(Specify) F

W 35-22S-35W SIDE TWO

Operator Name Pennzoll Exploration & Production

Lease Name POPE

Well # 2

Sec. 22 Twp. 22S Rge. 35W

☐ East

County Kearny

☒ 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.)

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
HERRINGTON	2566'	
KRIDER	2590'	
WINFIELD	2630'	
GAGE SHALE	2663'	
TOWANDA	2696'	
FT. RILEY	2746'	

List All E.Logs Run: MSG/GAMMA RAYCASING
COLLARS CEMENT BOND LOG, SPECTRAL
DENSITY DUAL SPACED NEUTRON II LOG,
MICROLOG, DUAL LATERLOG

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#	216.00'	60/40 pos	195 sks	2% gel, 3% CC
Production String	7 7/8"	4 1/2"	10.5#	2526' 2698'	Allied Lite-ASC-	550 sks 150 sks	1/4# floseal/sk 10% salt

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
☐ Perforate				
☐ Protect Casing				
☐ Plug Back TD				
☐ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
2 SPF	2568 to 2580	1500 GAL 7 1/2% HCL	
2 SPF	2591 to 2597	98,860# 12/20 SAND	
2 SPF	2631 to 2637		

TUBING RECORD	Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
	2 3/8"	2660			
Date of First, Resumed Production, SWD or Inj.	Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)				
11/14/95					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		200 MCF/D	12 BWPD		

Disposition of Gas: METHOD OF COMPLETION

Production Interval

☐ Vented ☒ Sold ☐ Used on Lease
(If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Coningled
☐ Other (Specify) _____

2568' - 2637' O.A.