

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

Operator: License # 31137Name: Pennzoil Exploration & ProductionAddress P.O. Box 2967City/State/Zip Houston, Tx. 77252-2967Purchaser: NORTHERN NATURAL GASOperator Contact Person: K. Sam JonesPhone (713) 546-4930Contractor: Name: Abercrombie RTD, Inc.License: 30684

Wellsite Geologist: _____

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 ☐ PBTD
☐ Commingled ☐ Docket No. _____
☐ Dual Completion ☐ Docket No. _____
☐ Other (SWD or Inj?) ☐ Docket No. _____

10-1-95 10-2-95 10-3-95
 Spud Date Date Reached TD Completion Date

API NO. 15- 093-21,472County KearnyApprox. - C - S/2 Sec. 34 Twp. 22S Rge. 35W XX W1250' Feet from S/N (circle one) Line of Section2640' Feet from E/W (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name HAWKINS Well # 2Field Name HUGOTONProducing Formation ChaseElevation: Ground 3030' KB 3035'Total Depth 2821' PBTD 2781'Amount of Surface Pipe Set and Cemented at 213.35' FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 2821'feet depth to SURFACE w/ 675 sx cmt.Drilling Fluid Management Plan alt II 5-6-96
(Data must be collected from the Reserve Pit) LeChloride content 45,000 ppm Fluid volume 900 bblsDewatering method used Evaporation

Location of fluid disposal if hauled offsite:

KANSAS CORPORATION COMMISSION

Operator Name _____

Lease Name JAN 25 1996 License No. _____Quarter Sec. Twp. S Rng. E/WCounty WICHITA, KS Docket No. _____

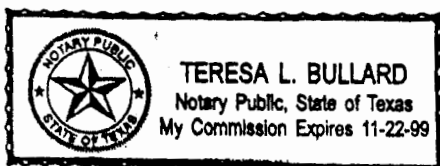
INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information on side 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 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 T. Bullard
Title OPERATIONS SUPERINTENDENT Date 01/22/96Subscribed and sworn to before me this 22 day of January, 1996.Notary Public Teresa BullardDate Commission Expires 11-22-99

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)

Form ACO-1 (7-91)



SIDE TWO

Operator Name Pennzoil Exploration & Production Lease Name HAWKINS Well # 2Sec. 34 Twp. 22S Rge. 35W ☐ East ☒ West County Kearny

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.)	☐ Yes ☒ No	☒ Log	Formation (Top), Depth and Datums	☐ Sample
Samples Sent to Geological Survey	☐ Yes ☒ No	Name	Top	Datum
Cores Taken	☐ Yes ☒ No	HERRINGTON	2530'	
Electric Log Run (Submit Copy.)	☒ Yes ☐ No	KRIDER	2556'	
List All E.Logs Run: MSG CEMENT BOND LOG, MICROLOG, SPECTRAL DENSITY DUAL SPACED NEUTRON II LOG, DUAL INDUCTION LATERLOG		WINFIELD	2590'	
		GAGE SHALE	2634'	
		TOWANDA	2665'	
		FT. RILEY	2706'	

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#	213.35'	60/40 pos	195 sks	2% gel, 3% CC
Production String	7 7/8"	4 1/2"	10.5#	2818'	Allied Lite-ASC-	510 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	2532' to 2546'	1500 GAL. 7 1/2% HCL	
2 SPF	2593' to 2604'	63,340# 12/20 SAND	

TUBING RECORD		Size	Set At	Packer At	Liner Run	☐ Yes ☒ No
		2 3/8"	2620'			
Date of First, Resumed Production, SWD or Inj.		Producing Method ☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)				
01/08/96						
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity	
		200 MCF/D	10 BWPD			

Disposition of Gas: **METHOD OF COMPLETION** **Production Interval**

☐ Vented ☒ Sold ☐ Used on Lease ☐ Open Hole ☒ Perf. ☐ Dually Comp. ☐ Commingled

(If vented, submit ACO-18.) ☐ Other (Specify) _____

