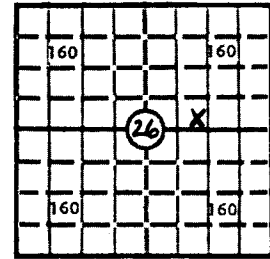


KANSAS DRILLERS LOG

State Geological Survey
WICHITA, BRANCH26-30-39W
SE SWNE

S. 26 T. 30S R. 39W

Loc. 2590' FNL & 1400' FEL

County Stanton640 Acres
N

Locate well correctly

Elev.: Gr. 3167'

DF _____ KB _____

API No. 15 — 187 — 20,079
County Number

Operator

Amoco Production Company

Address

P. O. Box 432 - Liberal, Kansas 67901

Well No.

X 3

Lease Name

Citizens State Bank Gas Unit No. 3

Footage Location

2590 feet from (N) X line 1400 feet from (E) line

Principal Contractor

F.W.A. Drilling Company

Geologist

Spud Date

10-18-72

Total Depth

2918

P.B.T.D.

2918

Date Completed

11-17-72

Oil Purchaser

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
Surface	12-1/4	8-5/8	23	615	Class "H"	400	3% CACL
Production	7-7/8	5-1/2	14	2918	Special	510	18% CACL

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	1/2	2821-34
					2677-80, 2688-92,
					2726-56, 2767-74,
					2794-99, 2810-14

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	2741	

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidize with 1500 gallon 15%.	2821-34
Acidize with 2500 gallon 15%. Frac with 100,000 gallon water and 100,000 # sand.	2677-2834

INITIAL PRODUCTION

Date of first production 11-17-72		Producing method (flowing, pumping, gas lift, etc.) Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil bbls.	Gas 8,100 MCF	Water bbls.	Gas-oil ratio CFPB	
Disposition of gas (vented, used on lease or sold) Waiting on pipeline connection			Producing interval(s) 2677 - 2834		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Drillers Log shall be transmitted to the State Geological Survey of Kansas, 4150 Monroe Street, Wichita, Kansas 67209. Copies of this form are available from the Conservation Division, State Corporation Commission, 3830 So. Meridian (P.O. Box 17027), Wichita, Kansas 66217. Phone AC 316-522-2206. If confidential custody is desired, please note Rule 82-2-125. Drillers Logs will be on open file in the Oil and Gas Division, State Geological Survey of Kansas, Lawrence, Kansas 66044.

Operator Amoco Production Company		DESIGNATE TYPE OF COMP.: L DRY HOLE, SWDW, ETC.: Gas	
Well No. X 3	Lease Name Citizens State Bank Gas Unit No. 3		
s 26 T 30S R 39 W			
WELL LOG Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.		SHOW GEOLOGICAL MARKERS, LOGS RU OR OTHER DESCRIPTIVE INFORMATION.	
FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME DEPTH
Sand	0	280	Nuclear Log Log Depth CO GR TO 2661 2918'
Sand, Red Bed	280	1085	
Sand	1085	1770	
Shale, Lime	1770	2160	
Shale	2160	2280	
Shale, Lime	2280	2890	
Lime	2890	2918	
Test Info: 24 Hr. SIP 246# 20 Min. Open Flow 8.1 MMCFD			
USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.			
Date Received DEC 1 1972 RECEIVED STATE GEOLOGICAL SURVEY OF MISSOURI		Signature J. W. VAUGHN Area Administrative Supervisor Title November 21, 1972 Date	