KANSAS DRILLERS LOG

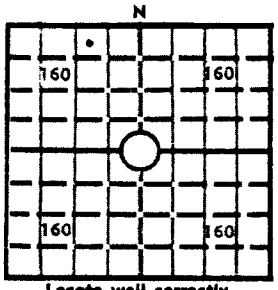
State Geological Survey
WICHITA, BRANCH

S 19 T 13S R 19 E
NW NE NW

API No. 15 — 051 (County) — 21,940 (Number)

County Ellis, Kansas

640 Acres
N



Locate well correctly

Operator: Energy Reserves Group

Address: 925 Patton Road Great Bend, Kansas

Well No.: 10

Lease Name: Pfeifer

Footage Location: 400 feet from (N) (S) line 1580 feet from (E) (W) line

Principal Contractor: Emphasis Oil Operations

Geologist: Jerry Green

Spud Date: 7-31-80

Total Depth: 3875

P.B.T.D.: 3849

Date Completed: 9-9-80

Oil Purchaser: Marathon

Elev.: Gr. 2169

DF 2171 KB 2174

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	20	231'	50-50 Poz	70 & 70	2% gel, 3% cc, ¼# cellophane/sx, 3% cc, ¼# cello/sx.
Production	7 7/8	5 1/2	14	3873'	50-50 Poz	225	2% gel, 10% salt, .75% CFR-2, ¼# cellophane/sx
Stage Collar				1510'	Lite	370	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2 7/8	3845	None

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4	.38" jet csg gun	3817-19'
4	.38" jet csg gun	3690-96'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
250 gal 15% HCL	3817-19'
1000 gal 15% HCL	3690-96'

INITIAL PRODUCTION

Date of first production: 8-27-80

Producing method (flowing, pumping, gas lift, etc.): Pumping

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	Stabilized 48 bbls.	MCF	32 bbls.	CFPB

Disposition of gas (vented, used on lease or sold):

Producing interval(s):

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	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Energy Reserves Group	Oil

Well No.	Lease Name
10	Pfeifer

S 19 T 13S R 19 W (E) NW NE NW

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 RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
DST #1: Toronto, A Bench 30-60-60-120 REC: 90' HGOCM IBHP 861 FBHP 851 FP 52-52-52-62	3452	3506	Topeka Heebner Toronto Lansing-KC Lansing-KC Base Arbuckle	3200 (-1026) 3453 (-1279) 3475 (-1301) 3496 (-1322) 3738 (-1564) 3866 (-1592)
DST #2: I, J, K 30-60-60-120 REC: 64' HGOCM 20' HGMCO 194' FO 275' Frothy Free Oil IBHP 406 FBHP 406 FP 52-135 166-218	3647	3690		
DST #3: Marmaton Chert 30-60-60-120 2750 Mud Pressures: NONE	3765	3810		

USE ADDITIONAL SHEETS, IF NECESSARY, TO COMPLETE WELL RECORD.

Date Received

Signature

Title

Date

#L2815