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KANSAS DRILLERS LOG

State Geological Survey
WICHITA BRANCH

API No. 15 — 033 — 20,438
County Number

S. 9 T. 33S R. 19 ^EW

Loc. NW SE NW

County Comanche

Operator
Lear Petroleum Exploration, Inc.

Address
6401 NW Grand Blvd. Suite 200, Okla. City, Okla. 73116

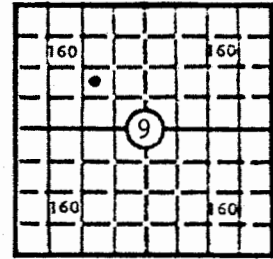
Well No. 4-9 Lease Name FITZWATER

Footage Location
1650 feet from (N) line 1650 feet from (W) line

Principal Contractor Husky Drilling Company Geologist Lou Bird

Spud Date 6-29-81 Total Depth 5355' P.B.T.D. 5291'

Date Completed 8-24-81 Oil Purchaser Koch



Elev.: Gr. 1946'

DF 1953' KB 1955'

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	12½"	8-5/8"	24#	511'	Lite Common	300 350	3%CC/¼# Celoflake " " " "
Production	7-7/8"	4½"	10.5#	5355'	Class H 50/50 Poz	50 150	CFR/Gil " "

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			1	.39" Jet	5276-5170'

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	5291'	N/A

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidized w/2000 gals 15% DS-30 acid.	5276-5170'
Fraced w/40,000 gals 3% gelled acid, 25,000# 20/40 sand and 30,000# 10/20 sand.	5276-5170'

INITIAL PRODUCTION

Date of first production <u>9-3-81</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Pumping</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>10</u> bbls. Gas <u>50</u> MCF Water <u>40</u> bbls. Gas-oil ratio <u>5000</u> CFPB
Disposition of gas (vented, used on lease or sold) <u>Sold - Michigan Wisconsin</u>	Producing interval(s) <u>Mississippi</u>

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

Well No.
4-9

Lease Name
FITZWATER

S 9 T 33S R 19 E 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 RUN,
OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Heebner	4248'		DIL	5342-508'
Lansing	4423'		FDC/CNL	5343-4164'
Stark	4850'			
Swope	4855'			
Cherokee	5087'			
Mississippi	5168'			

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

Date Received

R. Stanley DeLong
Signature

Division Production Engineer
Title

September 8, 1981
Date

Date