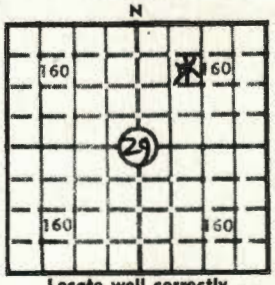
State Geological Survey
WICHITA BRANCH

CONFIDENTIAL released 1-7-82 POMONA GAS

IMPORTANT
Kans. Geo. Survey request samples on this well.

KANSAS DRILLERS LOG

S. 29 T. 16 R. 18 E W
Loc. SE NW NE
County Franklin
640 Acres
N



Locate well correctly
Elev.: Gr. 985
DF — KB —

API No. 15 — 059 (County) — 20,347 (Number)

Operator: Glacier Petroleum Co., Inc.

Address: PO Box 577 Emporia, Ks 66801

Well No. #1 Lease Name: Flora — Name Change To Frieden

Footage Location: 990 feet from (N) (S) line 4290 FSL & 1650 FEL-ICCC 990 feet from (E) (W) line NE 1/4

Principal Contractor: Alco Drilling Co. Geologist: Wilbur C Bradley

Spud Date: 10/2/78 Total Depth: 1170 P.B.T.D.: 1151½

Date Completed: 10/5/78 Oil Purchaser: Franklin Pipeline

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	8 5/8	7"	?	230'	Common	To Surface	
Production	6 1/4	4½"	9.5	1160	Common	100'	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
—	—	—

TUBING RECORD

Size	Setting depth	Packer set at
1"	1100'	—

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
1	½" Jet	1096-1102
1	½" Jet	1109-1115

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 BBL WTR & 15000 lbs Sand	1096-1102 & 1109-1115

INITIAL PRODUCTION

Date of first production: SHUT IN GAS well
Producing method (flowing, pumping, gas lift, etc.): FLOWING

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
On Test	— bbls.	151 MCF	12 bbls.	— CFPB

Disposition of gas (vented, used on lease or sold): SHUT IN GAS well
Producing interval(s): 1096-1102 & 1109-1115

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.

29-16-18E

Operator	DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
GLACIER PETROLEUM CO.	
Well No. 1 / Lease Name #1 (FLORA) FRIEDEN	GAS
S 29 T 16 R 18 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

Logs: Gamma Ray - Neutron

Elevation: 985 GL

Formation Tops: (All measurements from GL)

	Sample	GR-N	Datum
Lansing	230	229	+756
Iola	425	424	+561
BKC	611	611	+674
Pawnee	773	767	+218
Ft. Scott	839	837	+148
Cherokee	890	885	+100
Bartlesville Sand	1095	1095	-110
Base Bartlesville Sand	1125	1123	-138
RTD	1170	1128	

DRILL STEM TEST:

DST #1 1090 - 1130: 40-30 - 45-30
Gas to surface in 20 minutes, gauged 7120 CEPD, flow stabilized at 16,700 CFDD in one hour. Recovered 180 feet of gas cut mud, slightly watery,

IBHP 447#/30" IFP 36#/40"
FBHP 424#/30" FFP 78#/45"

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

Date Received

William C Bradley
Signature

Geologist
Title

11/10/78
Date