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

State Geological Survey WICHITA, BRANCH

SEP

KANSAS DRILLERS LOG

S. 13 T. 24 R. 17 E/W

API No. 15 — 047 (County) — 20,414 (Number)

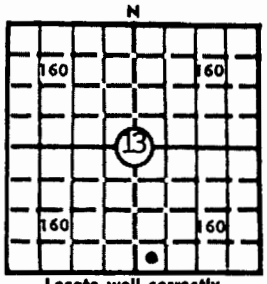
Loc. SW SW SE

County Edwards

Operator: F. G. Holl

Address: 6427 East Kellogg Wichita, Kansas 67207

640 Acres N



Locate well correctly

Well No.: #1-13

Lease Name: Derley

Footage Location: 330 feet from (N) (S) line, 330 feet from (E) (W) line SW/4

Principal Contractor: Sterling Drilling Co.

Geologist: Carl Todd

Spud Date: 8-20-78

Total Depth: 4435

P.B.T.D.: N.A.

Elev.: Gr. 2095

Date Completed: 8-25-78

Oil Purchaser: Clear Creek

DF 2101 KB 2104

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	12¼"	8 5/8	28#	256'	60-40 Pozmix	225	3% cc
Production	7 7/8"	4½	N.A.	4435	Pozmix & Howco Light	150	18% salt 5# gilsonite 1/8 flocele 1/8# Tuffiber 3/4 % CFR-2/sk.

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement
N.A.	N.A.	N.A.

TUBING RECORD

Size	Setting depth	Packer set at
2"	4278'	N.A.

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4	N.A.	4308-12
2	N.A.	4290-92
2	N.A.	4342-46

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
800 bbls. salt water frac. 1,000 gal. 15% NE. 10,000# 20-40 sand, 7,000# 10-20 sand.	4308-12 4290-92 4342-46
500 bbls salt water frac, 1,000gal. 15% NE. acid ahead; 5,000# 20-40 and 5,000# 10-20 sand	4342-46

INITIAL PRODUCTION

Date of first production: December 1978

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

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

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

Producing interval(s): Kind 4342-46

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.:
F. G. Holl	

Well No.	Lease Name
1-13	Derley

S 13 T 24 R 16 E/W

Oil

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
NO DST'S			Heebner	3716
DRESSER ATLAS: LL GRN CDL GR Cal			Brown Lime	3845
DRILL TIME: 1' 2200-4440 RTD			Lansing	3855
SAMPLES: 10' 2200-4440 RTD 5' Critical Zones			B. K. C.	4140
SAMPLE LOG: 3300-4440 RTD			Cherokee	4260
GAS DETECTOR: Analytical 2000-4440 RTD			Cher. sd.	4288
			Miss.	4296
			Kind.	4326
			Kind. sd.	4339
			Viola	4414
			LTD	4435

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

Date Received

Elwyn H. Nagel
Signature

Elwyn H. Nagel, Geologist
Title

June 7, 1979
Date