State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

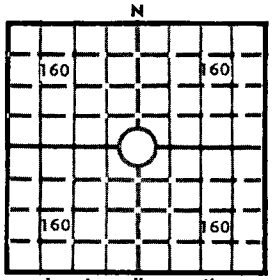
API No. 15 — 053 (County) — 20,391 (Number)

S. 20 T. 16 R. 10 E/W

Loc. SE NW NE

County Ellsworth

640 Acres



Locate well correctly

Elev.: Gr. 1853'

DF 1855' KB 1858'

Operator: Isern Petroleum Company

Address: Box 486 Ellinwood, Kansas

Well No.: #4

Lease Name: Hagy

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

Principal Contractor: Duke Drilling Co.

Geologist: Warren O. Johnson

Spud Date: 12-17-74

Total Depth: 3380'

P.B.T.D.: 3363

Date Completed: 12-23-74

Oil Purchaser: Koch Oil Co.

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	24#	366'	Common	180	2% Gel 3% C C
Prod.Casing	7 7/8	5 1/2	14#	3379	Latex	50	

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2 3/8	3359	None

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4	Jet	3342-3346

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
None	

INITIAL PRODUCTION

Date of first production: 1-22-75

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

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	25 bbls.	None MCF	None bbls.	CFPB

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

Producing interval(s): 3342-3346

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.

C-10-1972

Operator: Isern Petroleum Company

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

Well No.: #4

Lease Name: Hagy

S 20 T 16 R 10 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
Clay, Shale, Sand Streaks	0	40	Anhydrite	636
Post Rock	40	60	Heebner	2885
Shale, Clay	60	200	Brown Lime	2991
Shale, Sand Streaks	200	366	Lansing	3012
Shale, Red Bed	366	636	Arbuckle	3321
Anhydrite	636	656		3380
Shale, Lime	656	1270		
Lime, Shale	1270	2885		
Shale	2885	2889		
Lime, Shale	2889	2991		
Lime	2991	3321		
Dolomite	3321	3380		
R.T.D.		3380		

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

Date Received

RECEIVED
STATE GEOLOGICAL SURVEY OF

Willard E. Isern
Signature

General Manager
Title

3-31-75
Date

LL1515