

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

API No. 15 — 053 — 20,364
County Number

Operator

Isern-Wells

Address P. O. Box 486 Ellinwood, Kansas

Well No.

#2

Lease Name

Hagy

Footage Location

feet from (N) (S) line

feet from (E) (W) line

Principal Contractor

Duke Drilling

Geologist

Wayne Lebsack

Spud Date

4-13-74

Total Depth

3390'

P.B.T.D.

Date Completed

4-19-74

Oil Purchaser

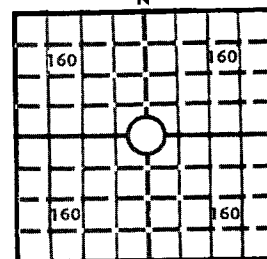
Koch Oil Company

S. 20 T. 16 R. 10 E W

Loc. NW NW NE

County Ellsworth

640 Acres
N



Locate well correctly

Elev.: Gr. 1863

DF 1865 KB 1868

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 1/2"	8 5/8"	28#	370'	common	200	@2%gel 3% cc.
Prod.Casing	7 7/8"	5 1/2"	14#	3389'	salt flush	10 bbls	450 gals. latex

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			4	jet	3342-46
			4	jet	3340-44

TUBING RECORD

Size	Setting depth	Packer set at
2"	3377	none

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
500 gallons 15% acid (hole full of water)	3342-3346
Squeeze with 40 sacks cement	
reperforate 250 gallons acid	3340-44

INITIAL PRODUCTION

Date of first production 5-6-74		Producing method (flowing, pumping, gas lift, etc.) pumping			
RATE OF PRODUCTION PER 24 HOURS		Oil 40 bbls.	Gas MCF	Water 20 bbls.	Gas-oil ratio CFPB
Disposition of gas (vented, used on lease or sold) none				Producing interval (s) 3340-3344	

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 ISERN-WELLS		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No. 2	Lease Name HAGY	oil
S20 T16 R10 ^E W Ellsworth County		

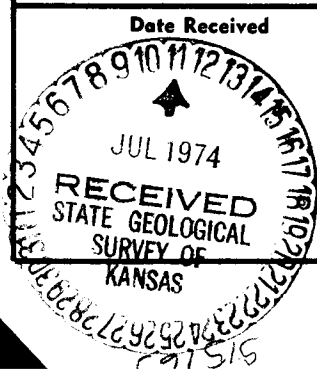
WELL LOG

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
surface clay	0	15	Anhydrite	651
shal	15	230	Topeka	2604
sand	230	360	Heebner	3898
red bed	360	651	Toronto	2918
anhydrite	651	675	douglas	2926
shale & shells	675	1400	Br.Lime	3002
Lime 7 shale	1400	2170	Kansas City	3021
shale & lime streaks	2170	2375	Base of K.C.	3287
shale & lime	2375	2604	conglomerate	3314
lime	2604	2898	Arbuckle	3333
shale	2898	2902	RTD	3390
lime & shale	2902	2918		
lime	2918	2926		
shale	2926	3002		
Brown Lime	3002	3021		
lime	3021	3287		
lime & shale	3287	3314		
lime, shale, chert	3314	3333		
dolomite	3333	3390		
Rotary Total Depth		3390		

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



George A. Meyer
Signature
Production Clerk
Title
6-7-74
Date