

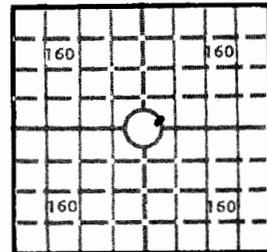
IMPORTANT
 Kans. Geo. Survey request
 samples on this well.

KANSAS DRILLERS LOG

S. 28 T. 28 R. 22 E NE/4
 Loc. 160 N of S line - 350 E of W line
 County Crawford

API No. 15 — 037 — 20 102
 County Number

640 Acres
N



Elev.: Gr. 935
 DF 936 KB _____

Operator
Morris Stephens

Address
Walnut, Kansas

Well No. #B-3 Lease Name Engel

Footage Location
160 feet from (N) (S) line 350 feet from (E) (W) line

Principal Contractor FITZ Drilling Co. Geologist _____

Spud Date 3-6-72 Total Depth 388 P.B.T.D. _____

Date Completed 4-25-72 Oil Purchaser Mid. America Ref. 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
	8"	4 1/2	11 #	367'	Reg.	90	—

LINER RECORD

PERFORATION RECORD

Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval

Size	Setting depth	Packer set at
2 3/8"	375'	367'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
<u>Sand Fracture - 35 sacks sand</u>	<u>368' - 383'</u>
<u>80 Barrels Oil</u>	

INITIAL PRODUCTION

Date of first production 4-25-72 Producing method (flowing, pumping, gas lift, etc.) Flowing

RATE OF PRODUCTION PER 24 HOURS	Oil <u>2</u> bbls.	Gas <u>—</u> MCF	Water <u>4</u> bbls.	Gas-oil ratio	CFPB
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Disposition of gas (vented, used on lease or sold) _____ Producing interval (s) _____

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

Morris Stephens

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

Well No.

B-3

Lease Name

Engel

S T R E W

WELL LOG

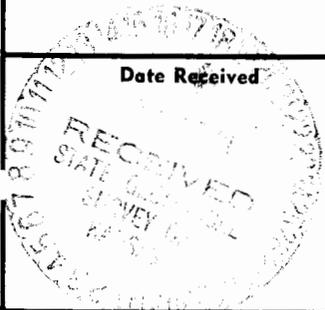
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

SHOW GEOLOGICAL MARKERS, LOGS RUN, OR OTHER DESCRIPTIVE INFORMATION.

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Soil	0	2	Smp	Depth
Clay	2	20		
Shale	20	52	Bart sand	365
Lime - 40 FT.	52	98	B Bart sand	383
Shale	98	126		
Lime	126	127	Td	388
Shale	127	150		
Peru. sand	150	158		
Shale	158	165		
Lime - 20 FT.	165	185		
Shale	185	191		
Lime - 5 FT.	191	197.5		
Shale	197.5	201		
Lime	201	202		
Shale	202	298		
Lime	298	299		
Shale	299	300		
Lime 2 - FT.	300	302		
Shale	302	316		
sand + shale	316	320		
Shale	320	365		
sand - Bartlesville	365	383		
sandy shale	383	388		

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

Date Received



Morris Stephens

Signature

Owner & Operator

Title

4-3-73

Date

SS1EES