

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

S. 27 T. 28 R. 22 E
W
Loc. 1625' NSL & 245' EWL NW
County Crawford

API No. 15 — 037 — 20,191
County Number

Operator
Morris Stephens
Address
Walnut, Kansas 66780

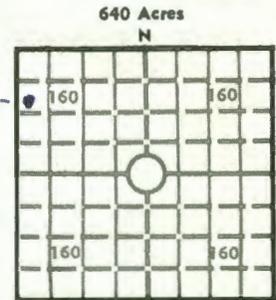
Well No. #M-15 Lease Name Engel

Footage Location
1625 feet from (N) (S) line 245 feet from (E) (W) line

Principal Contractor Fully Drilling Co. Geologist

Spud Date 6-15-75 Total Depth 405 P.B.T.D.

Date Completed 8-12-75 Oil Purchaser Mid. Am. Ref. Co.



Elev.: Gr. 960
DF 961 KB

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
<u>Surface</u>	<u>6 1/2</u>	<u>6 1/4</u>		<u>257ft.</u>	<u>Reg.</u>	<u>3</u>	<u>None</u>
<u>Prod.</u>	<u>6"</u>	<u>2 3/8</u>	<u>3.65#</u>	<u>392'</u>	<u>Reg.</u>	<u>86</u>	<u>None</u>

LINER RECORD

PERFORATION RECORD

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

Size	Setting depth	Packer set at
<u>2 3/8" O.D.</u>	<u>392'</u>	<u>392'</u>

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
<u>Sand Frac. 30 Sacks</u>	<u>392'-403'</u>

INITIAL PRODUCTION

Date of first production <u>8-15-75</u>	Producing method (flowing, pumping, gas lift, etc.) <u>Flowing</u>
RATE OF PRODUCTION PER 24 HOURS	Oil <u>2</u> bbls. Gas <u>None</u> MCF Water <u>10</u> bbls. Gas-oil ratio
Disposition of gas (vented, used on lease or sold)	Producing interval (s) <u>392'-403'</u>

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.:

Well No.

Lease Name

M1-15

Engel

oil

S 17 T 28 R 22 E

WELL LOG

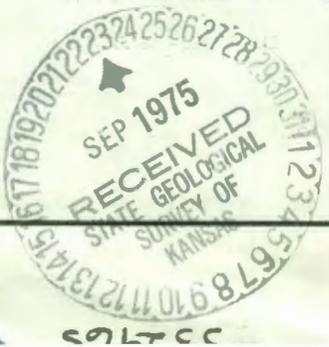
Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

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

FORMATION DESCRIPTION, CONTENTS, ETC.	TOP	BOTTOM	NAME	DEPTH
Sail	0	2		2
clay	2	5		3
sand Rock	5	12		7
Shale	12	70		58
Lime	70	75	40 ft.	45
Shale	75	80		5
Lime	80	119	40 ft.	39
Shale	119	170		51
Sand	170	186	Peru	16
Lime	186	206	20 ft.	20
Shale	206	212		6
Lime	212	217	5 ft.	5
Shale	217	320		103
Lime	320	322	2 ft.	2
Shale	322	365		43
Shale + Lime shells	365	392		27
Sand	392	403	Bartlewill	11
Shale	403	405		2

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

Date Received



Morris Stephens

Signature

Owner

Title

8-21-75

Date