

KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

State Geological Survey WICHITA BRANCH

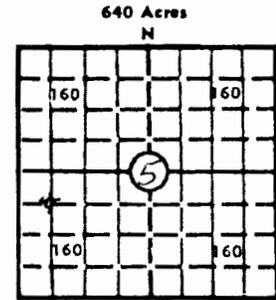
S. 5 T. 32 R. 12 W

Loc. SW/4

API No. 15 - 007 - 20,588 County Number

County Barber

Operator: Mid-Continent Energy Corporation
Address: 712 One Twenty Building, Wichita, KS 67202
Well No.: #1 Lease Name: Turnbull
Footage Location: 1980 feet from (N) line 660 feet from (E) line
Principal Contractor: Search Drilling Geologist: Robert (Bob) C. Armstrong
Spud Date: 4-2-78 Date Completed: 4-8-78 Total Depth: 4277' P.B.T.D.
Directional Deviation: Oil and/or Gas Purchaser: N/A - D&A



Elev.: Gr. 1497'

DF KB 1507'

CASING RECORD

Report of all strings set — surface, intermediate, production, etc.

Table with 8 columns: Purpose of string, Size hole drilled, Size casing set (in O.D.), Weight lbs/ft., Setting depth, Type cement, Sacks, Type and percent additives. Row 1: Surface, 12-1/4", 8-5/8", 28#, 250', Common, 250, 2% Ge1 - 3% C.C.

LINER RECORD

PERFORATION RECORD

Tables for LINER RECORD and TUBING RECORD. LINER RECORD columns: Top, ft., Bottom, ft., Sacks cement. TUBING RECORD columns: Size, Setting depth, Packer set at.

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Table with 2 columns: Amount and kind of material used, Depth interval treated. Row 1: N/A, N/A

INITIAL PRODUCTION

Date of first production: N/A Producing method: N/A
DATE OF PRODUCTION: N/A Oil: N/A Gas: N/A Water: N/A Gas-oil ratio: N/A
Disposition of gas: N/A Producing interval(s): N/A - D&A

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.

Operator		DESIGNATE TYPE OF COMP.: OIL, GAS, DRY HOLE, SWDW, ETC.:
Well No.	Lease Name	Dry Hole
S _____ T _____ R _____ E _____ W _____		

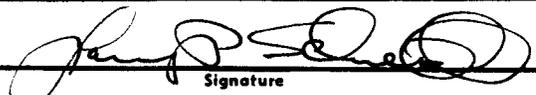
WELL LOG

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
(See Attached Sheet)				

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

Date Received	<p align="center">  Signature Larry P. Schneider, Exploration Manager Title 7-27-81 Date </p>
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DRILLERS LOG

TURNBULL #1

15-007-20588
5-32-12W

CASING RECORD:
8 5/8" set at 253'
with 200 sacks cement

OPERATOR: Mid-Continent Energy Corp.

DESCRIPTION:

CONTRACTOR: Search Drilling Company

1980' FSL & 660' FWL
of SW/4,
Section 5-32S-12W
Barber County,
Kansas

TOTAL DEPTH:

COMMENCED: April 2, 1978

COMPLETED: April 7, 1978

<u>FORMATION</u>	<u>FROM</u>	<u>TO</u>	<u>REMARKS</u>
Sand	0	223	
Red Bed	223	265	
Red Bed and Shale	265	649	
Shale and Lime	649	1564	
Lime and Shale	1564	1780	
Lime and Shale	1780	2080	
Lime and Shale	2080	2913	
Lime and Shale	2913	3724	
Lime and Shale	3724	4252	
Lime and Shale	4252	4277	
Notary Total Depth	4277		Dry and Abandoned

I certify that this is a true and correct copy of the above log to the best of my knowledge.

SEARCH DRILLING COMPANY

W. J. Froelich, Jr.
W. J. Froelich, Jr.

Subscribed and sworn to before me this 10th day of April, 1978

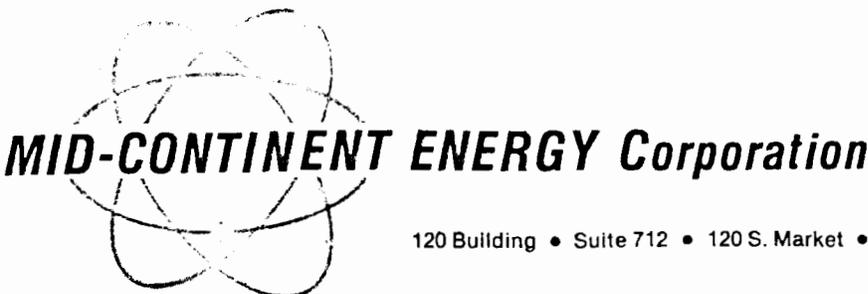
My appointment expires
February 22, 1981



Maxine Dressen
Maxine Dressen Notary Public

5-32-12W

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FORMATION TOPS - (Drillers' Measurements)

All measurements are based on drillers' measurements. Log formation tops and various zones, appear to be about 6 or 7 feet higher than on drillers'.

TURNBULL #1

1980' FSL & 660' FWL of SW/4
Section 5-32S-12W
Barber County, KS

KB: 1507'



Chase Group	1585'	- 78
Fort Riley	1980'	- 473
Florence	2030'	- 523
Wabaunsee	2656'	-1149
Tarkio	2845'	-1338
Elgin Sand	Missing	
Heebner	3510'	-2003
Toronto	3522'	-2015
Douglas Shale	3544'	-2037
Douglas Sand	No well developed sand present	
Brown Lime	3693'	-2186
Lansing	3704'	-2197
Marmation	4182'	-2675
Mississippi "Chat"	4229'	-2722
TD	4277'	-2770

DST #1: Tested Interval: 4232'-4252'. Time Interval: Open 30, Shut 30:
Open 30, Shut 30. Rec. 30' Slightly oil specked mud.
IFP=30, FFP=30, ISIP 92#, FSIP 553#.