KANSAS

WELL COMPLETION REPORT AND DRILLER'S LOG

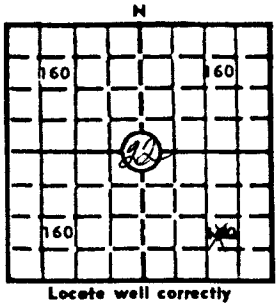
State Geological Survey
WICHITA BRANCH

S. 22 T. 31S R. 13 E/W

Loc. NW SE SE

County Barber

640 Acres



Locate well correctly

Elev.: Gr. 1582'

DF KB 1594'

PI No. 15 — 007 (County) — 21,085 (Number)

Operator: Mid-Continent Energy Corporation

Address: 712 One Twenty Bldg. Wichita, Kansas 67202

Well No.: #3

Lease Name: Packard

Footage Location: 990 feet from (S) line 990 feet from (E) line

Principal Contractor: H-30 Drilling

Geologist: Doug McGinness

Spud Date	Date Completed	Total Depth	P.B.T.D.
4-14-81	7-3-81	4225'	3685'

Directional Deviation:

Oil and/or Gas Purchaser: Central States

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#	322'	Common	250	2% gel, 3% C.C.
Production	7-7/8"	4-1/2"	9.5#	4421'	60/40 pozmix	275	10% NaCl, 7½/sk gilsonite 3/4 of 1% CFR-2

LINER RECORD

Top, ft.	Bottom, ft.	Sacks cement

TUBING RECORD

Size	Setting depth	Packer set at
2-3/8"	3569'	

PERFORATION RECORD

Shots per ft.	Size & type	Depth interval
4	thru tubing jets	3596'-3600'

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidize with 500 Gal. 15% Mud Acid	4222-4225

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
7-3-81	Flowing

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	bbls.	1040 MCF	0 bbls.	CFPB

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

Producing interval(s): 3596-3600

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, 245 No. Water, Wichita, Kansas 67202. 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	Gas
S 22 T 31 R 13 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

Signature

Larry P. Schneider, Exploration Manager

Title

July 22, 1981

Date

API No. 15-007-21,085

State Geological Survey
WICHITA, BRANCH

KANSAS DRILLERS LOG

COMPANY Mid-Continent Energy Corp.

SEC. 22 T. 31 R. 13W
LOC. NW SE SE

FARM Packard NO. 3

COUNTY Barber

ROTARY TOTAL DEPTH 4,225'
COMM. April 14, 1981 COMP. April 25, 1981
CONTRACTOR H-30, INC.
ISSUED May 6, 1981

CASING

10 3/4"
8 5/8" Set at 322' cemented with 250 sxs cement ELEVATION 1,582 G.L
5 1/2"
4 1/2" Set at 4,221' cemented with 275 sxs cement

FIGURES INDICATE BOTTOM OF FORMATIONS

Red Bed and Sand	336'
Red Bed	1,750'
Shale	2,425'
Shale and Sand	2,630'
Sand and Shale	2,675'
Shale and Lime	3,380'
Lime and Shale	3,460'
Shale and Lime	3,600'
Lime and Shale	4,075'
Lime	4,225'
Rotary Total Depth	4,225'

I hereby certify the above and foregoing to be a true and correct log of the above described well as shown by the drilling reports.

H-30, INC.

Gary Younger

State of Kansas)
) ss:
County of Sedgwick)

Subscribed and Sworn to before me, a Notary Public, in and for said county and state this 6th day of May, 1981.

NOTARY PUBLIC

Elsie Willison - Notary Public

22-31-13W

MID-CONTINENT ENERGY Corporation

120 Building • Suite 712 • 120 S. Market • Wichita, Kansas 67202 • (316) 265-9501

ELECTRIC LOG TOPS

PACKARD #3

NW SE SE of Sec. 22-T31S-R13W
Barber Co., KS

KB: 1594'

Indian Cave	2611'	-1017
Wabaunsee	2661'	-1067
Tarkio	2730'	-1136
Elmont	2801'	-1207
Topeka	3318'	-1724
Heebner	3533'	-1939
Douglas Sand	3595'	-2001
Lansing - KC	3726'	-2132
Base KC	4168'	-2574
Mississippi	4218'	-2624
LTD	4221'	-2627
RTD	4225'	-2631

DST #1: Formation Tested: Indian Cave. Tested Interval: 2602-30'. Time Interval: 30-30-30-30; Rec. 210' SGCMW & 30' SCCMW w/ few spots oil. Chl=25,000.

DST #2: Formation Tested: Topeka. Tested Interval: 3369-80'. Time Interval: 30-30-60-60; wk. blow thruout. Rec. 180' MCSW. FP=41-61 & 61-82. SIP=1414-1414.

DST #3: Formation Tested: Upper Douglas Sand. Tested Interval: 3584-3600' Time Interval: 30-30-30-60; GTS 6", gauged 1.6 million in 15", 2.3 million in 30", 2.9 million in 40", & apparently stabilized (started flowing mud & plugged flow line); Rec. 20' mud w/show oil in tool; no pressured, both recorder clocks stopped (called mis-run)

DST #4: Formation Tested: Lower Douglas Sand. Tested Interval: 3656-3678' Time Interval: 30-30; Rec. 20' VHGCM & 60' GCWM & 60' GCMSW & 60' GCSW, (200' total fl.): FP=106-164, SIP=1336.

Packard #3

22-31-13w

P1

DST #5: Formation Tested: Lansing. Tested Interval: 3758-75'. Time Interval: 30-30-60-60; Weak blow building to strong blow thru-out test; Rec. 30' mud; FP=61-61 & 61-61, SIP=206-216; 109°.

DST #6: Formation Tested: Mississippi. Tested Interval: 4209-25'; hydraulic tool didn't open - invalid test...misrun.