

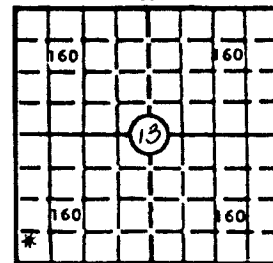
KANSAS

WELL COMPLETION REPORT AND
DRILLER'S LOGState Geological Survey
WICHITA BRANCHAPI No. 15 — 007 — 21,086
County NumberOperator
Mid-Continent Energy CorporationAddress
712 One Twenty Building, Wichita, KS 67202Well No. #1
Lease Name ShawFootage Location
Approx 560 feet from (N) (S) line Approx. 890 feet from (E) (W) linePrincipal Contractor H-30 Drilling
Geologist Doug McGinnessStart Date 4-25-81
Date Completed 7-3-81
Total Depth 4208' P.B.T.D.Directional Deviation
Oil and/or Gas Purchaser
Clear Creek & Central States

S. 13 T. 31S R. 13 W

Loc. 200' SW of C E/2 SW SW

County Barber

640 Acres
N

Elev.: Gr. 1619'

DF KB 1631'

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#	284'	Common	250	2% gel. 3% C.C.
Production	7-7/8"	4-1/2"	10.5#	4203'	60/40 Poz.	275	NaCl & 7 1/2/sk gilsonite & 3/4 of 1% CCR-2

LINER RECORD

PERFORATION RECORD

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

TUBING RECORD

Size	Setting depth	Packer set at			
2-3/8"	4183'				

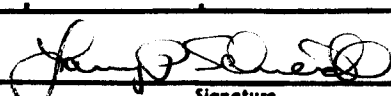
ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
Acidize w/500 Gal. 15% Mud Acid	4203-08 (OH)
Frac w/9000# 20/40 & 6000# 10/20 sd & 80B 2% jellied KCL wtr & 474,000 SCF Nitrogen	4203-08 (OH)

INITIAL PRODUCTION

Date of first production		Producing method (flowing, pumping, gas lift, etc.)			
7-1-81		Flowing			
RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio	
	20-25 bbls.	200MCF	6-9 bbls.	CFPB	
Disposition of gas (vented, used on lease or sold)			Producing interval(s)		
Used on lease & sold			4203-08 (OH)		

INSTRUCTIONS: As provided in KCC Rule 82-2-125, within 90 days after completion of a well, one completed copy of this Driller's 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

No.	Lease Name	Oil & Gas		
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	Signature:  Title: Larry P. Schneider, Exploration Manager Date: 7-23-81			

KANSAS DRILLERS LOG

State Geological Survey

COMPANY Mid Continent Enrichment WICHITA BRANCH

SEC. 13 T. 31 R. 13W

LOC. C-E/2 SW SW

FARM Shaw

NO. 1

COUNTY Barber

ROTARY TOTAL DEPTH 4,208'

COMM. April 25, 1981

COMP. May 5, 1981

CONTRACTOR H-30, INC.

ISSUED May 15, 1981

CASING

10 3/4"

8 5/8" Set at 284' w/250 sxs cement

ELEVATION 1619' G.L.

5 1/2"

4 1/2" Set at 4203' w/275 sxs cement

FIGURES INDICATE BOTTOM OF FORMATIONS

Red Bed	306'
Red Bed and Anhydrite	1,810'
Anhydrite and Shale	2,063'
Shale	2,315'
Lime and Shale	2,585'
Shale and Sand	2,804'
Shale and Lime	3,000'
Lime and Shale	3,600'
Shale and Lime	3,670'
Lime and Shale	4,208'
Rotary Total Depth	4,208'

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.

H30, INC.

Gary Younger
 Gary Younger

State of Kansas)
) ss:
 County of Sedgwick)

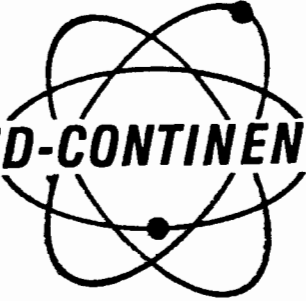
Subscribed and Sworn to before me, a Notary Public, in and for said county and state this 15th day of May, 1981.

Elsie Willison
 Elsie Willison - Notary Public

My Commission Expires:

P2

13-31-13W



MID-CONTINENT ENERGY Corporation

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

ELECTRIC LOG TOPS

SHAW #1

200' SW of C E/2 SW SW, Sec. 13-T31S-R13W
Barber Co., KS

KB: 1631'

Wabaunsee	2654'	-1023
Elmont	2790'	-1159
Heebner	2528'	-1897
Douglas	3576	-1945
Upper Sand	3585'	-1954
Lower Sand	3669'	-2037
Lansing	3718'	-2087
Stark Shale	4041'	-2410
Mississippi	4203'	-2572
LTD	4209'	-2578
RTD	4208'	-2577

DST #1: Tested Interval: 3346-56'; Time Interval: 30-30-60-60; Strong blow. GTS immediately on 2nd open. 20,000 cubic ft. of gas decr. to 9,000 at end of test. Rec. 30' VHO & GCM, 60' MO, 60' HO & GCMW, 60' O & GCMW, 60' SO & GCMW, 120' wtr. FP=121-132 & 162-172; SIP=638-831.

DST #2: Formation Tested: Upper Douglas Sand. Tested Interval: 3573-3600'. Time Interval: 30-30-60-60; GTS 40' into 2nd open Rec. 120' gassy slightly WCM + 240' GMCW w/SO; FP=101-111 & 142-152; SIP=994 - no final tool wouldn't shut in.

DST #3: Formation Tested: Lower Douglas Sand. Tested Interval: 3650-3670'. Time Interval: 30-30-60-60; Strong Blow thru 1st open, weak to good thru 2nd; Rec. 120 SGO specked mud, 60 SGO specked WCM, 180 SGO specked MW, 120 SGSW, 300 SW; FP=131-239 & 308-381; SIP=1681-1574, 124⁰.

P

13-31-13w

Shaw #1, Cont'd.

DST #4: Formation Tested: Mississippi. Tested Interval: 4195-4208'.
Time Interval: 30-30-60-60; GTS 29'; gauged 81 MCF decr. to
47 MCF & stabilized. Rec. 10' mud; FP=43-43; SIP=1430-1409. 123°.