KANSAS

State Geological Survey

WELL COMPLETION REPORT AND DRILLER'S LOG

WICHITA BRANCH

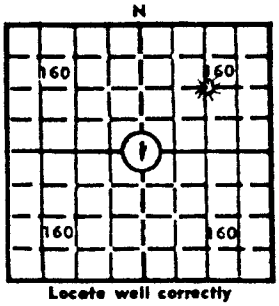
1-35-37W

S. 1 T. 35S R. 37 E/W

Loc. C NE/4

County Stevens

640 Acres



Locate well correctly

Elev.: Gr. 3084'

DF _____ KB 3096'

API No. 15 — 189 (County) — 20,466 (Number)

Operator: Mid-Continent Energy Corporation

Address: 712 One Twenty Building, Wichita, KS 67202

Well No.	Lease Name
#1	Crawford

Footage Location: 1320 feet from (N) S line 1320 feet from (E) W line

Principal Contractor	Geologist
Search Drilling	Core Lab

Spud Date	Date Completed	Total Depth	P.B.T.D.
5-27-81	7-19-81	6841'	6708'

Directional Deviation: | Oil and/or Gas Purchaser:

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	12-1/2"	8-5/8"	24#	1751'	Halco lite Class H	800 200	2% C.C. 3% C.C.
Production	7-7/8"	4-1/2"	10.5#	6730'	60/40 Poz.	300	10% NaCl & 3/4% CFR-2

LINER RECORD			PERFORATION RECORD		
Top, ft.	Bottom, ft.	Sacks cement	Shots per ft.	Size & type	Depth interval
			2	jets	6330'-6340'
TUBING RECORD			2	jets	6293-6298'
Size	Setting depth	Packer set at			
2-3/8"	6282				

ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD

Amount and kind of material used	Depth interval treated
1000 Gal. 10% NE acid w/surfacant & CO_2 Gas	6330-6340 & 6293-6298
Frac 37,500# 20/40 sd. & 780 bbls 1½% acid & 70 tons CO_2	6330-6340 & 6293-6298

INITIAL PRODUCTION

Date of first production	Producing method (flowing, pumping, gas lift, etc.)
7-18-81	Flow

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio
	0 bbls.	4,000 MCF	0 bbls.	CFPB

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

Producing interval(s): 6330-6340 & 6293-6298

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_____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: [signature]
	Larry P. Schneider, Exploration Manager Title
	7-23-81 Date

(P)

1-35-37W

MID-CONTINENT ENERGY Corporation

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

ELECTRIC LOG TOPS

CRAWFORD #1

C NE/4 of Sec. 1-T35S-R37W
Stevens Co., KS

KB: 3096'

Wabaunsee	3364'	- 268
Topeka	3796'	- 700
Heebner	4250'	-1154
Douglas Group	4304'	-1208
Lansing	4390'	-1294
Marmaton	5046'	-1950
Cherokee	5508'	-2412
Morrow Sh.	5940'	-2844
Chester	6388'	-3292
St. Gen.	6618'	-3522
St. Louis	6726'	-3630

1-35-37W

DRILLERS LOG

CRAWFORD #1

State Geological Survey
WICHITA BRANCH

CASING RECORD:
8 5/8" set at 1751'
w/ 1000 sack cement

TOTAL DEPTH:

6841'

OPERATOR: Mid-Continent Energy Corp.

CONTRACTOR: Search Drilling Co.

COMMENCED: May 28, 1981

COMPLETED: June 12, 1981

DESCRIPTION:

Section 1-35S-37W
Stevens County,
Kansas

FORMATION	FROM	TO	REMARKS
Sand	0	664	
Sand and Red Bed	664	1751	
Red Bed & Shale	1751	2675	
Lime and Shale	2675	3897	
Shale	3897	6841	Ran 164 jts of 4 1/2" set at 6730' w/ 300 sacks 60/40 posmix, 10% salt, 3/4 of 1% CFR-2, Plug down at 10:15 PM June 11, 1981
Rotary Total Depth	6841		

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

SEARCH DRILLING CO.

N. J. Johnson

Subscribed and sworn to before me this 16th day of June, 1981.

My appointment expires:
February 22, 1985

Maxine Dressen Notary Public

MAXINE DRESSEN
Sedgwick County, Ks.
My Appt Exp 2-22-85

RECEIVED
STATE CORPORATION COMMISSION

JUN 19 1981

CONSERVATION DIVISION
Wichita, Kansas