

**IMPORTANT**  
 Kans. Geo. Survey request  
 samples on this well.

15-007-20642

WICHITA BRANCH  
**KANSAS DRILLERS LOG**

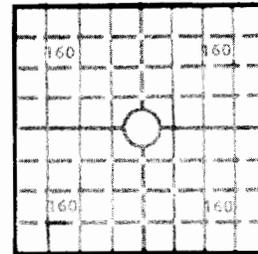
S. 23 T. 32R. 15<sup>E</sup>/<sub>W</sub>

API No. 15 — 007 — 20,642  
 County Number

Loc. NW NW NE

County Barber

640 Acres  
 N



Locate well correctly

Elev.: Gr. 1972'

DF \_\_\_\_\_ KB 1977

Operator  
Mid-Continent Energy Corp.

Address  
712 One Twenty Bldg., Wichita, Kansas 67202

Well No. #1 Lease Name Larkin

Footage Location  
 feet from (N) (S) line \_\_\_\_\_ feet from (E) (W) line \_\_\_\_\_

Principal Contractor Union Drilling Company Geologist Gary Holstin

Spud Date 7-24-78 Total Depth 5115 P.B.T.D. \_\_\_\_\_

Date Completed 8-6-1978 Oil 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

**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

**ACID, FRACTURE, SHOT, CEMENT SQUEEZE RECORD**

Amount and kind of material used	Depth interval treated

**INITIAL PRODUCTION**

Date of first production \_\_\_\_\_ Producing method (flowing, pumping, gas lift, etc.) \_\_\_\_\_

RATE OF PRODUCTION PER 24 HOURS	Oil	Gas	Water	Gas-oil ratio

Disposition of gas (vented, used on lease or sold) \_\_\_\_\_ Producing interval(s) \_\_\_\_\_

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.

Dry Hole

Well No. 1	Lease Name Larkin
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S 23 T 32 R 15<sup>Ex</sup> W Barber County, Kansas

**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
<u>FORMATION TOPS: LARKIN #1-Barber Co.</u>				
Herrington	2317	340		
Krider	2364	387		
Winfield	2413	436		
Towanda	2464	487		
Ft. Riley	2520	543		
Florence	2552	575		
Wreford	2660	683		
Funston	2707	730		
Crause	2729	752		
Bader	2801	824		
Beattie	2857	880		
Cottonwood	2889	912		
Neva	2915	938		
Red Eagle	2981	1004		
Foreacre	3013	1036		
Fall City	3109	1132		
Admire	3146	1169		
Waubunsee	3192	1215		
Stotler	3333	1356		
Tarkio	3382	1405		
Howard	3475	1498		
Severy	3571	1594		
Topeka	3613	1636		
Oread	4001	2024		
Heebner (Corr)	4067	2090		
Toronto (Corr)	4080	2103		
Douglas (Corr)	4094	2117		
Iatan	4210	2233		
Lansing	4230	2253		
Stark sh.	4593	2616		
Stone	4597	2620		
Ladora Sh.	4635	2658		
Hertha	4647	2670		
Base K.C.	4683	2706		
Marmaton	4692	2715		
Lenapah	4702	2725		
Altamount	4722	2745		
Mississippian	4762	2785		
Kinderhook	4927	2950		
Viola	4962	2985		
Simpson	5066	3089		
RID/LTD	5115			

NECESSARY, TO COMPLETE WELL RECORD

*Clinton J. Bell*

Signature

Vice-President

Title

August 8, 1978

Date

CONTRACTOR'S WELL LOG

OPERATOR:	Mid-Continent Energy Corporation
CONTRACTOR:	Union Drilling Co., Inc.
WELL NAME:	#1 Larkin
LOCATION:	NW NW NE Section 23-32S-15W Barber County, Kansas
COMMENCED:	July 24, 1978
COMPLETED:	August 6, 1978

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0	71	Sand and red bed	Set 8-5/8" @ 345' w/222 sacks.
71	348	Red bed	
348	1148	Red bed and shale	
1148	2235	Shale	
2235	2328	Shale and lime	
2328	2548	Shale	
2548	2910	Shale and lime	
2910	3401	Shale	
3401	3729	Shale and lime	
3729	3929	Shale	
3929	4306	Shale and lime	
4306	4464	Lime and shale	
4464	4810	Lime	
4810	4881	Lime and chert	
4881	4982	Lime	
4982	5100	Lime and dolomite	
5100	5115	Lime	
	5115	T. D.	

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We certify that the above and foregoing is a true and correct copy of the log on the #1 Larkin, NW NW NE Section 23-32S-15W, Barber County, Kansas.

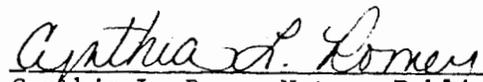
UNION DRILLING CO., INC.

  
\_\_\_\_\_  
R. D. Messinger

STATE OF KANSAS     )  
                          ) SS  
COUNTY OF SEDGWICK )

Subscribed and sworn to before me, a Notary Public, in and for the aforesaid County and State as of this 8th day of August, 1978

My appointment expires:  
6-2-78

  
\_\_\_\_\_  
Cynthia L. Romey-Notary Public