

HUGHES DRILLING COMPANY
WELLSVILLE, KANSAS 66092

JULY 12-17, 1980

OPERATOR
BOB E. KLEIER
WELLSVILLE, KANSAS 66092

SEP PC

LOG

KLEIER

WELL NO. 1

MIAMI CO., KANSAS

SEC. 12, TWP. 16S, Rge. 21E

150' N. of center of N $\frac{1}{2}$ of NW $\frac{1}{4}$

12-16-21E
State Geological Survey
WICHITA, BRANCH

STRATA THICKNESS	FORMATION DRILLED	T.D.	STRATA THICKNESS	FORMATION DRILLED	T.D.
3	Soil	3	8	Sandy Shale (Strong gas odor)	444
20	Clay	23	69	Shale	513
19	Lime(Clay 27-29)	42	3	Lime	516
7	Shale(Black)	49	4	Sand(Dry)	520
10	Lime	59	51	Shale(Bkn. 555-560)	571
2	Shale	61	6	Lime	577
2	Lime(Sandy)	63	21	Shale	598
3	Shale	66	3	Lime	601
19	Lime	85	9	Shale(Coal 602-603)	610
26	Shale(Sandy)	111	9	Lime	619
16	Lime	127	13	Shale	632
88	Shale(Sdy. 127-160)	215	6	Lime	638
20	Lime(Coal 232-233)	235	8	Shale(Coal 640-642)	646
30	Shale	265	2	Lime	648
5	Lime	270	7	Shale	655
30	Shale(Coal 270-271) (Limebreak 313-314)	330	8	Lime(Broken)	663
24	Lime 30'	354	8	Shale	671
7	Shale	361	3	Lime	674
15	Lime(Bkn. 20')	386	9	Shale(Dark)-675-680)	683
4	Shale	390	4	Lime(Broken)	687
5	Lime	395	13	Shale(White 692-700)	700
2	Shale	397	7.5	Oil Sand	707.
6	Lime "HERTHA"	403	22.5	Shale	733T
33	Shale(Coal 404-405) (Broken 407-409)	436			

Drilled 733 ft. of 5 $\frac{1}{4}$ " & 5 1/8" hole.
Set 23 ft. of used 6 $\frac{1}{4}$ " surface pipe.
Cored #1 SQUIRREL 701'-717'.
Set 728 ft. of 2 $\frac{1}{2}$ " pipe.
Seating nipple at 698 ft.
Used 3 centralizers.

#1 SQUIRREL CORE TIME

KLEIER
WELL NO. 1

12-16-21e SEP
July 16, 1980

PC

	<u>FEET</u>	<u>MINUTES</u>	<u>REMARKS</u>
1.	701-702-----	8-----	Sand laminated with shale. (Bleeding oil)
2.	703-----	12-----	Sand very laminated with shale. (Bleeding oil)
3.	704-----	9-----	Shale
4.	705-----	9-----	Sand laminated with shale. (Good bleeding oil)
5.	706-----	12-----	Sand very laminated with shale. (Bleeding oil)
6.	707-----	11½-----	Shale
7.	708-----	11½-----	707-707,5 Sand laminated with shale. (Bleeding oil)
8.	709-----	12-----	} Shale
9.	710-----	12½-----	
10.	711-----	12-----	
11.	712-----	12-----	
12.	713-----	11½-----	
13.	714-----	11½-----	
14.	715-----	12-----	
15.	716-----	11½-----	
16.	717-----	11½-----	