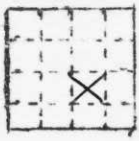
county Harrison



sec 13 twp 65 rge 26

owner Keystone Oil & Gas Co.

elev 852 MGS# 1638 ~~rge~~ drillers log

farm Rogers No. 1 TD 1110 fm ~~TD~~ Mississippian shows So reported by driller

status dry date completed around 1900

remarks:

00004

THE OCCURRENCE *of*

OIL AND GAS

IN MISSOURI

By M. E. Wilson

MDCCCXX

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Geological Survey and Water Resources.

X651623

Missouri Bureau of Geology and Mines
H. A. Buehler, *Director and State Geologist*
Rolla, Missouri
1922

DRILLING AT SOUTH EDGE OF CAINESVILLE—Continued.

	Thickness		Depth	
PENNSYLVANIAN SYSTEM—Continued.	*Ft.*	*In.*	*Ft.*	*In.*
Henrietta formation:				
Limestone (Pawnee)	4		160	
Shale, black and bituminous at top, blue below	4		164	
Limestone	5		169	
Shale, gray, nodular	15		184	
Shale, black and bituminous at top, blue below	7		191	
Limestone	5		196	
Shale, black, sandy	4		200	
Limestone	2		202	
Cherokee shale:				
Shale, black, bituminous	3		205	
Coal (Lexington)	1		206	
Clay shale, black	7		213	
Shale and sand	21		234	
Sandstone	9		243	
Shale	21		264	
Coal (Mulky)	1	6	265	6
Shale, black, sandy in upper part	29		294	6
Coal (Bedford)	1	3	295	9
Shale	9		304	9
Coal (Bevier)		6	305	3
Shale	35		341	3
Coal (Tebo)		9	342	
Shale, blue, sandy	17		359	
Coal		6	359	6
Shale	23		382	6
Coal	1	8	384	2
Shale	12		396	2
Coal	1	2	397	4
Shale, blue, sandy	3		400	4
Coal		6	400	10
Shale	21		421	10
Coal	1		422	10
Shale	53		475	10
Coal (Cainesville), mined	4	4	480	2
Shale	36		516	2
Coal	2	2	518	4
Shale, light blue	4		522	4
Coal	3	6	525	10
Shale, light blue	17	7	543	5
Sandstone and shale, black and gray	9		552	5
Shale, blue	1	6	553	11
Coal	1	6	555	5
Shale, blue, sandy	19	3	574	8
Coal		6	575	2
Shale, blue, sandy	5		580	2
Sandstone	20	4	600	6
Sandstone, oil	49	6	650	
Shale	90		740	
Sandstone, water	20		760	
Shale	20		780	
Sandstone, showing of oil	48		828	
Shale	27		855	
Sandstone	3		858	
Limestone	232		1090	
Sandy shale	20		1110	

Record to 600 feet is from diamond drill hole sunk by Grand River Coal & Coke Co. Below 600 feet the record is from the drillers' log of the Keystone Oil & Gas Company's well. The two holes are very close together.

The following logs indicate the character of strata penetrated with depth. A second well drilled by the Keystone Co. in the SE. ¼ Sec. 5, T. 64N., R. 26W. reached a depth of 1610 feet. In 1910 a well 997 feet deep located in the SW. ¼ NW. ¼ Sec. 12, T. 64N., R. 26W. was drilled to the Mississippi lime. One mile west of Bethany a well 654 feet deep yields artesian water. At Blythedale a coal prospect was sunk 610 feet, at New Hampton prospecting revealed 778 feet, and at Gilman City 450 feet. No showings are reported in these drillings.

DRILLING AT SOUTH EDGE OF CAINESVILLE (NW. ¼ NE. ¼ SEC. 13, T. 65N. R. 26W.)

	Thickness.	Depth.
	Ft. In.	*Ft. In.*
Drift	24	24
PENNSYLVANIAN SYSTEM:		
Pleasanton shale:		
Shale, blue, sandy	76	100
Shale, light gray	36	136
Shale, blue, sandy at top, with limestone nodules below	20	156