County Gentry

sec. 22 T. 61 R. 31

Owner Berlin Coal, Oil & Prosp. Co.

Elev. 854.8 MGS# 1674

Farm Loest, L.L. No. 1 TD 1140 (about) Shows oil Spls. —

Status dry Date Completed 10-21-13 Fm@TD Miss

Remarks:

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The rocks of the county dip very gently in a westerly direction. The Salisbury-Quitman fold or anticline, however, which extends from Chariton into Nodaway County, crosses the southern part of Gentry in a southeast to northwest direction, paralleled on the north by a shallow syncline. These general structural features cause some variation in the direction of the regional dip.

The general character of the underlying strata is shown by the following log of a hole drilled by the Berlin Oil and Gas Prospecting Co. in 1913:

CONDENSED RECORD OF STRATA IN DRILLING NEAR BERLIN.*
NE. ¼, SW. ¼ SEC. 22, T. 61N., R. 31W.

(Altitude of surface at curb about 870 feet.)

Stratum.	Thickness.	Depth.
	Feet.	*Feet.*
Soil and gravel	14	14
PENNSYLVANIAN SYSTEM:		
Lansing formation:		
Plattsburg limestone:		
Limestone, hard	12	26
Shale, light blue	3	29
Limestone, soft	2	31
Lane shale:		
Shale	3	34
Limestone	3	37
Shale	2	39
Limestone	2	41
Shale	4	45
Limestone	2	47
Shale, blue	31	78
Kansas City formation:		
Iola limestone:		
Limestone and sand	2 ½	80 ½
Chanute shale:		
Shale	9 ½	90
Limestone, shelly	1	91
Shale	1	92
Sand	3	95
Shale	25	120
Drum limestone (probably includes Cement City limestone bed near base of Chanute shale):		
Limestone	18	138
Cherryvale shale:		
Shale	19	157
Limestone	3	160
Shale	4	164
Winterset limestone:		
Limestone	40	204
Galesburg shale:		
Shale	6	210
Bethany Falls limestone:		
Limestone	20	230

*Prospect well for coal, oil and gas, made with a churn drill in 1913 for the Berlin Coal, Oil and Gas Prospecting Co., in the NE. ¼, SW. ¼ sec. 22, T. 61N., R. 31W.

CONDENSED RECORD OF STRATA IN DRILLING NEAR BERLIN—Continued.

	Thickness.	Depth.
PENNSYLVANIAN SYSTEM—Continued.	*Feet.*	*Feet.*
Kansas City formation—Continued.		
Ladore shale:		
Shale	10	240
Hertha limestone:		
Limestone	10	250
Pleasanton formation:		
Shale	145	395
Henrietta formation:		
Limestone	2	397
Shale	35	432
Cherokee shale:		
Shale, black and coal (Lexington)	6	438
Shale, sandy	5	443
Limestone	6	449
Shale	121	570
Sandstone, red	6	576
Shale, blue	70	646
Sandstone, white	24	670
Shale, sandy	10	680
Sandstone	23	703
Slate, black	2	705
Shale, white and dark	38	743
Limestone	6	749
Shale, sandy	16	765
Limestone	2	767
Shale, sandy	3	770
Limestone	1	771
Shale	58	829
Coal	2	831
Slate	1	832
Coal	2	834
Sandstone	6	840
Shale	25	865
Limestone	2	867
Shale	16	883
Sandstone, white	56	939
Shale, dark	12	951
Sandstone	2	953
Shale, black	68	1021
Shale	71	1092
Sandstone	40	1132
MISSISSIPPIAN SYSTEM:		
Limestone	8	1140

Men in charge of the well claim driller made a mistake between 957 and 1,092 and that total depth should be 1,092 feet.

THE OCCURRENCE *of*

OIL AND GAS

IN MISSOURI

By M. E. Wilson

MDCCCXX

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