Caldwell 10 57N 26W

Standard?? } Oil Co. 914 3010 Spl.
Wilson? also driller's

Glick #1 1600 Oco? show oil

dry(?) July 1923

00069

Wilson, W. R.

WI0006

Log of Wilson et al. Glick No. 1. Location: NW. cor. NE. 1/4 SE. 1/4 NE. 1/4 sec. 10, T. 57 N., R. 26 W., Caldwell County, Mo. Elevation: 914.8 feet. Completed July 19, 1923. Well No. 7 on map, Pl. I.

	Thickness, feet	*Depth, feet*
Pleistocene or Recent series:		
Soil	4	4
Yellow clay	7	11
Gravel	4	15
Pennsylvanian system:		
Kansas City group:		
Lime, white	9	24
Dark shale	6	30
Lime, white	2	32
Dark shale, water	3	35
Lime, white (Bethany Falls)	13	48
Dark shale	14	62
Lime (Hertha)	8	70

Log of Wilson et al. Glick No. 1—Continued.

	Thickness, feet	Depth, feet
Pleasanton and Henrietta groups:		
Dark shale	4	74
Light shale	21	95
Lime, white	2	97
Dark shale	25	122
Sandy shale	73	195
Lime, white	5	200
Lime and shale	15	215
Light shale	5	220
Gray lime	10	230
Light shale (Lex. coal Hor.)	3	233
Lime	8	241
Sandy shale	17	258
Lime, white	5	263
Dark shale	5	268
Light shale	8	276
Cherokee group:		
Dark shale	29	305
Dark shale	6	311
Lime, white	9	320
Dark shale	36	356
Lime, brown	10	366
Dark shale	9	375
Lime	3	378
Broken shale	5	383
Lime, brown	7	390
Black shale	5	395
Lime (Ardmore ?)	5	400
Shale	17	417
Red shale	8	425
White shale	15	440
Red shale	10	450
Light shale	10	460
Dark shale	10	470
Black shale, oil show	5	475
Light shale	10	485
Lime	3	488
Light shale	7	495
Lime	3	498
White shale	4	502
Lime, white	3	505
Black shale	5	510
Lime, set 10″ casing	3	513
Light shale	10	523
Black shale	24	547
Water sand, water	30	577
Lime	1	578
Sharp black shale	39	617
Hard lime	2	619
Shale	11	630
Sand, water	56	686
sissippian system:		
Meramec, Osage and Kinderhook groups:		
Brown Mississippian limestone	41	727
Red shale	2	729
Col. shale	6	735
Lime	75	810
Mississippian limestone	215	1025
Kinderhook group:		
Black shale	1	1026
Lime	3	1029
Light shale	6	1035
Lime	2	1037
Light shale	12	1049

Log of Wilson et al. Glick No. 1—Continued.

	Thickness, feet	*Depth, feet*
Devonian system:		
Lime	36	1085
Blue shale	2	1087
Lime	87	1174
Light shale, set 8-in. pipe at 1176	3	1177
Sandy lime, oil	14	1191
Lime	80	1271
Sandy lime	15	1286
Lime	20	1306
Water sand	30	1336
Lime, gray	15	1351
Lime, black	86	1437
Lime, white	5	1442
Samples suggest base is at 1450.		
Ordovician system:		
Kimmswick formation:		
Lime, black	39	1481
Lime, black, sandy, set 6¼" casing at 1480, oil	10	1491
St. Peter sand:		
Sand, coarse	15	1506
Water sand	15	1521
Blue shale	5	1526
Sand, white	49	1575
Canadian system:		
Cotter or Jefferson City formation:		
Lime, brown	25	1600
		Total depth

REMARKS: A few samples from this well are available for study. A sample from 1031 to 1037 feet contains bluish-gray to black, hard shale, carrying brown disc-like spores, Sporangites huronense. This shale is characteristic of the Chattanooga.

A few samples from the interval of the Devonian show that it ranges from dense, lithographic light colored limestone, to dark brown finely crystalline limestone or dolomite. A sample of sand from 1445-1450 is thought to be of basal Devonian age. It was not recorded as occurring, however, by the driller, although sand was reported from 1306 to 1336 feet. The driller's log reports a show of oil from 1177 to 1191 feet. Samples in this interval range from gray, dense to dark brown finely crystalline limestone.

The Kimmswick formation is represented by brown crystalline dolomite.

The usual characteristics of the St. Peter are expressed in the sample of it from this well.

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By

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MISSOURI GEOLOGICAL SURVEY
AND WATER RESOURCES

ROLLA, MISSOURI

H. A. BUEHLER, *Director and State Geologist*