County Buchanan ⊙ sec. 21 T. 57 R. 34

Owner State of Mo. et.al. Elev. 837.5 MGS# 1599

DDH

Farm Bennett (Saxton) No. 1 TD 1105 Shows no Spls. ✓

Status _____ Date Completed June 26, 1900 Fm TD Miss.

Remarks;

DNR-DGLS

DN001 00013

Condensed Log of Diamond Drill Hole near Saxton, Mo. Location: SW. cor. NW. 1/4 NW. 1/4 sec. 21, T.57 N., R.34 W., Buchanan County, Missouri. Elevation: 836 feet. Commenced May 3, 1900, completed June 26, 1900.

	Thickness.		Depth.	
	Ft.	In.	Ft.	In.
Pleistocene series:				
Clay	23		23	
Sand	2		25	
Gravel	4		29	
Pennsylvanian system:				
Douglas formation:				
Weston shale:				
Shale, blue	1		30	
Lansing formation:				
Stanton limestone:				
Limestone	1		31	
Shale, blue	1		32	
Limestone	20		52	
Vilas shale:				
Shale, blue	4	6	56	6
Plattsburg limestone:				
Limestone	16	6	73	
Lane shale:				
Shale, blue	6		79	
Limestone	1		80	
Sandstone	17		97	
Shale, blue	1		98	
Limestone	2		100	
Shale, blue	9		109	
Limestone	4		113	
Shale, blue	4		117	
Limestone	1		118	
Shale, blue	38		156	

Condensed Log of Diamond Drill Hole near Saxton, Mo.—Continued.

	Thickness.		Depth.	
	Ft.	In.	Ft.	In.
Kansas City formation:				
Iola limestone and Chanute shale:				
Limestone	7	6	163	6
Limestone, fossiliferous	4		167	6
Shale	5		172	6
Limestone		6	173	
Shale	9		182	
Limestone	4		186	
Shale, blue	8		194	
Drum limestone:*				
Limestone	6		200	
Cherryvale shale:				
Shale, blue	1	6	201	6
Limestone	1		202	6
Shale, blue	3	6	206	
Limestone	5		211	
Shale, blue	13		224	
Limestone	2		226	
Shale, blue	7		233	
Limestone	5		238	
Shale, blue	6		244	
Winterset limestone:				
Limestone	8		252	
Shale, blue	1		253	
Limestone	20		273	
Galesburg shale:				
Shale	6		279	
Bethany Falls limestone:				
Limestone	21	6	300	6
Ladore shale:				
Shale, blue	2		302	6
Hertha limestone:				
Limestone	18	6	321	
Pleasanton formation:				
Shale, black	1		322	
Coal (Ovid)		1	322	1
Shale	127	11	440	
Limestone	1		441	
Shale, blue	8		449	
Henrietta formation:				
Limestone	3		452	
Shale, sandy	6		458	
Limestone	2		460	
Shale	23		483	
Limestone, conglomeratic	2		485	
Shale, black	3		488	
Limestone	1		489	
Sandstone	6		495	
Shale, black	11	6	506	6
Limestone, blue	1	6	508	
Shale	2	5	510	5
Coal		7	511	
Shale, blue	8		519	
Limestone	7		526	
Shale, blue	9		535	
Limestone	3		538	
Shale, mixed with limestone	5		543	
Limestone	4	6	547	6

*May include some of the thin beds below.

STATE OF MISSOURI
GEOLOGICAL SURVEY AND
WATER RESOURCES

BIENNIAL REPORT *of the*

STATE GEOLOGIST

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1935

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H. A. BUEHLER
DIRECTOR AND STATE GEOLOGIST
ROLLA, MISSOURI

8

Condensed Log of Diamond Drill Hole near Saxton, Mo.—Continued

	Thickness.		Depth.	
	Ft.	In.	Ft.	In.
Cherokee shale:				
Shale	5	6	553	
Sandstone	5		558	
Shale, clayey	4		562	
Sandstone	3		565	
Shale, blue	22		587	
Sandstone	3		590	
Shale, blue	6		596	
Sandstone	2		598	
Shale, blue	16		614	
"Cap rock"	1		615	
Coal (Bedford)	1	8	616	8
Sandstone	11	4	628	
Shale, blue	17		645	
Coal (Bevier)	1	9	646	9
Shale, blue	3	3	650	
Limestone	3		653	
Shale	14		667	
Sandstone	8		675	
Shale	13	4	688	4
Coal	1	5	689	9
Shale	28	9	718	6
Coal	1	6	720	
Shale	22	9	742	9
Coal	1	6	744	3
Shale	12	9	757	
Coal, slaty		3	757	3
Shale, blue	11	9	769	
Sandstone	11		780	
Shale, blue	4		784	
Sandstone	2		786	
Shale, blue	80		866	
Sandstone	1		867	
Shale, blue	3		870	
Sandstone	12		882	
Conglomerate	5		887	
Shale, blue	22		909	
Sandstone	9		918	
Shale, sandy	1		919	
Sandstone	9		928	
Coal		6	928	6
Shale, blue	20	6	949	
Coal		7	949	7
Shale, sandy	6	5	956	
Shale, blue	4	4	960	4
Coal	1	4	961	8
Sandstone	3	4	965	
Shale, blue	7		972	
Limestone	3		975	
Shale, blue	7		982	
Sandstone	2		984	
Shale, sandy	9		993	
Coal		10	993	10
Sandstone	3	2	997	
Shale, sandy	1		998	
Sandstone	5		1003	
Shale	43		1046	

Condensed Log of Diamond Drill Hole near Saxton, Mo.—Continued.

	Thickness.		Depth.	
	Ft.	In.	Ft.	In.
Sandstone	4		1050	
Shale, blue	1		1051	
Sandstone	26		1077	
Mississippian system:				
Limestone	39		1116	T.D.

NOTE: This hole is reported to have had a slight showing of gas at an unstated depth, according to Leo Gallaher, acting State Geologist, Bien. Rept., State Geologist to 41st Gen-Assembly, 1901, p. 22.

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1945

EDWARD L. CLARK, *Director and State Geologist*

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WATER RESOURCES

ROLLA, MISSOURI