County Holt

Owner Kilby & Flory

sec. 27 T. 62 R. 39

Elev. 862 MGS#

Farm Meyer, Nina Sue No. 1 TD 910 Shows – Spls. ✓

Status D+A Date Completed March 1941 Fm@TD Pleasanton

Remarks:

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Log of Kilby and Flory No. 1 Meyers. Location: 780 feet south and 330 feet west of northeast corner of NW 1/4 sec. 27, T. 62 N., R. 39 W., Holt County, Missouri. Surface elevation, 862 feet (P.T.). Commenced, 11-20-1940, and completed, 3-27-1941. Total depth, 910 or 915 feet. Dry and abandoned. Drilled with cable tools. Casing record: 20 inch set at 60 feet; and 15 1/2 inch at 168 feet. Contractor: Jerome Flory, Yates Center, Kansas.

FORMATIONAL SUMMARY

	Thickness, feet	*Depth, feet*
No samples (river alluvium and glacial drift)	168	168
Pennsylvanian system:		
Shawnee group	127	295
Douglas group (Oread, 295-348 ft.)	185	480
Pedee group	55	535
Lansing group	100	635
Kansas City group	186	821
Pleasanton group	89	910 (?), T.D.

NOTE: When at a depth of 555 feet, this well flowed very salty water.

WATER ANALYSES

Horizon	*T.D.S.*	Parts per million *Cl.*	*SO_4*	*Na-K as Na*
Shawnee	36046.0	20064.8	633.9	11881.5
Lansing	43226.0	23743.8	763.7	14273.3

DRILLER'S LOG

	Thickness, feet	*Depth, feet*
River sand	165	165
Lime	10	175
Shale	3	178
Lime	5	183
Shale	7	190
Shale	3	193
Lime	2	195
Shale	25	220
Shale	25	245
Lime	10	255
Shale	5	260
Lime	15	275
Sand (2 barrels of salt water)	10	285
Shale	5	290
Lime (Main Oread)	10	300
Lime	25	325
Shale	2	327
Lime	3	330
Shale	15	345
Lime	3	348
Shale	2	350
Shale	26	376
Lime	3	379
Shale	26	405
Sand	10	415
Shale, sandy	10	425
Shale, sandy	55	480
Lime, white	5	485
Shale, light	15	500
Shale, sandy	10	510
Sand	10	520

	Thickness, feet	*Depth, feet*
Shale	12	532
Lime	10	542
Shale	4	546
Lime	2	548
Shale, black (water, 4 B.)	5	553
Lime	17	570
Shale, light	8	578
Lime	5	585
Shale, light	5	590
Lime	10	600
Shale	1	601
Lime	1	602
Shale	8	610
Shale, light	7	617
Lime, white	13	630
Lime	3	633
Shale	2	635
Lime	3	638
Shale	4	642
Lime	6	648
Shale	12	660
Lime	13	673
Shale, black	2	675
Shale, light	5	680
Red bed	7	687
Lime	2	689
Shale	4	693
Lime	2	695
Lime, white	13	708
Shale, gray	2	710
Lime shells and shale (fishing for tools and part of drilling cable)	15	725
No notation	80	805
Shale, sandy	5	810
Lime	11	821
Lime and shale	30	851
Lime and shale	30	881
No log to	910	or 915, T.D.

RECENT DRILLING

in

NORTHWESTERN MISSOURI

By

FRANK C. GREENE

REPORT OF INVESTIGATIONS NO. 1

1945

EDWARD L. CLARK, *Director and State Geologist*

MISSOURI GEOLOGICAL SURVEY AND
WATER RESOURCES

ROLLA, MISSOURI