

U.S. GEOLOGICAL SURVEY

AND

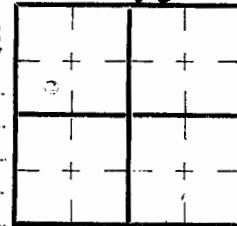
STATE GEOLOGICAL SURVEY OF KANSAS

County DouglasField No. Douglas--13-194 ESReport No. 1-13-194Total Depth. 1-13-194

DELLER'S LOG

SW 1/4 NW 1/4 sec. 1 T. 13S. N. R. 19E E WLocal description. NW cor. of house-7' N of N. Side of house--24' W. of E. side of house.

Altitude. feet; Elevation. feet above

Topographic situation: Upland, side slope, terrace, flood plain, ravine, uplandGeologist-Party chief. Berry Driller Connor Asst. driller VotawDate started. 1-21-47 Date completed. Cores taken (Intervals)

WATER SAMPLES

Interval

Method

Yield

Appearance

mp. °F.

WATER LEVELS

Tape held

Tape wet

Depth to water

Date

Time

DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Silt: dark grayish brown-fairly loose-grading to rusty at 2'.	3	3	
Silt: reddish brown to rusty--clayey in texture-fairly compact.	2	5	
Silt & Clay: rusty to yellow--contains some weathered limestone & chert	2.5	7.5	
Silt & Clay: rusty & yellow--much chert & limestone--intermittant hard streaks.	2.5	10.	
Toronto Limestones: Limestone: white to yellow and tan flinty-solid.	3.5	13.5	
Lawrence shale: Lawrence Shale Shale: gray green-slightly sandy medium compact.	5	18.5	
Shale: blue-green-light-less sandy-fairly compact.	5.5	24	
Shale: gray to blue gray-sticky fairly compact & solid.	4	28	
Shale: purple-slightly sandy medium compact.	1	29	
Shale: gray to blue gray-stoocky compact & fairly solid.	2	31	
Shale: very light blue gray sticky fairly compact.	3	34	
Shale: purple-slightly sandy medium compact.	2	36	
Shale: light blue gray-sticky medium soft.	2	38	
Amazonia limestone: Limestone: dark gray to black cherty-flinty.	1.5	39.5	
Shale: light blue gray	7.5	47.	
Sandstone: gray to blue gray--much blue gray shale.	10.5	57.5	
Shale: blue gray--contains some black shale--some coal.	6.5	64	

CONTINUATION SHEET

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DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS <u>1-13-1941</u>
Shale: blue-gray-some slightly sandy-fairly compact & solid.	13	77	
Shale: gray, dark, sandy--black mottled-layers, very solid.	13	90	
Shale: gray to blue-gray-sandy in varying amounts--some mottled carbonaceous.	15	105	
Shale: blue-gray to gray-sandy slightly micaceous-no sandstone fragments.	15	120	
Shale: gray, blue-gray--sandy, slightly micaceous--few frags of sandstone-mottled, some carbonaceous shale.	13	133	
Shale: gray, blue-gray-sticky less sand.	14	147	
Shale: gray, blue-gray-some mica some sandy shale.	13	160	
Shale: gray, blue-gray, sticky compact-solid-contains some s.s.	15	175	
Shale: gray, blue-gray-sticky intermittent, hard & soft.	6.5	181.5	
Shell limestone: Limestone: light gray-massive & very solid.	3	184.5	
Inland shale: Shale: blue-gray-sandy-contains sandstone fragments, very solid calcareous.	2	186.5	
Shale: blue gray, sandy-fairly compact.	13.5	200	
Shale: gray to blue-gray-less sandy-slick-coal bed & carbonaceous material 208 to 210.	15	215	
Shale: blue-gray to light gray some sandy material-s.s.--fairly compact & solid.	12	227	
Westphalia limestone: Limestone: light gray-flakey-sample contains much shale.	.25	227.25	
Sandstone: gray-shaley-very fine-contains much shale.	7.75	235	
Shale: blue-gray to gray-sandy contains some carbonaceous material.	13.5	248.5	
Tonganoxie sandstone: Sandstone: gray to light gray fairly solid-fine s.s. contains much shale in sample.	6.5	255	
Sandstone: light gray to white-shaley-contains some shale fragments.	15	270	

CONTINUATION SHEET

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DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Tonganoxie sandstone continued: Sandstone: light gray-some shale lag, s.s. very fine.	10	280	
Sandstone & shale: s.s. gray to white shale & clay, white, sandy.	20	300	