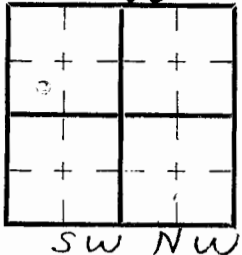


DELLER'S LOG

U.S. GEOLOGICAL SURVEY
 AND
 STATE GEOLOGICAL SURVEY OF KANSAS

SW 1/4 NW 1/4 sec. 1 T. 18S. N. R. 19E E W
 Local description. NW cor. of house-7' N of N. Side of house--24' W. of E. side of house.
 Altitude..... feet; Elevation..... feet above below
 Topographic situation: Upland, side slope, terrace, flood plain, ravine, upland
 Geologist-Party chief. Berry Driller Connor Asst. driller Yotaw
 Date started. 1-21-47 Date completed..... Cores taken (Intervals).....



WATER SAMPLES

WATER LEVELS

Interval..... Tape held.....
 Method..... Tape wet.....
 Yield..... Depth to water.....
 Appearance..... Date.....
 mp. °F..... Time.....

El. 1000 Top (998 Elev)

DESCRIPTION OF MATERIAL	THICKNESS (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--intermittent hard streaks.	2.5	10.	
Forante Limestones: Limestone: white to yellow and tan flinty-solid.	5.5	15.5	
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	
Ansonia 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

Page two of three pages

Report No.

DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
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	
<u>shell limestone:</u> Limestone: light gray-massive & very solid.	3	184.5	
<u>Inland shale:</u> Shale: blue-gray-sandy-contains sandstone fragments, very solid calcareous.	3	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	
<u>Westphalia limestone:</u> Limestone: light gray-flakey-sample contains much shale.	.25	227.25	
<u>Sandstone:</u> gray-shaley-very fine-contains much shale.	7.75	235	
Shale: blue-gray to gray-sandy contains some carbonaceous material.	13.5	248.5	
<u>Tonganoxie sandstone:</u> 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	

1-13-19E

CONTINUATION SHEET

Page ~~three~~ of ~~three~~ pages

7-13-19

DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Tongarexic 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	