

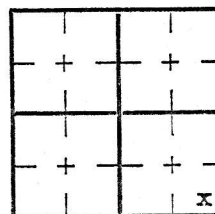
3312 Rolla SE

County Norton
 Field No. 34-39-33dd
 Report No. _____
 Total Depth 360

DRILLER'S LOG

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

SE $\frac{1}{4}$ SE $\frac{1}{4}$ sec. 33 T 34 N R 39 E W
 Local description 50 feet north and 25 feet west of road intersection
30 feet northeast of aluminum painted gas line marker
 Altitude _____ feet; Elevation _____ feet above
 _____ feet below
 Topographic situation: Upland, side slope, terrace, flood plain, ravine,
 Geologist-Party chief Simmons Driller Connor Asst. driller _____
 Date started 9-24-53 Date completed _____ Cores taken (Intervals) _____



WATER SAMPLES

Interval _____
 Method _____
 Yield _____
 Appearance _____
 Temp. °F. _____

WATER LEVELS

Tape held _____
 Tape wet _____
 Depth to water _____
 Date _____
 Time _____

DESCRIPTION OF MATERIAL		THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
1.	Sand, brown	3	3	
2.	Clay, silty and sandy, dark-gray	2	5	
3.	Sand, red	5	10	
4.	Sand, silt, and caliche, light-tan	3	13	
5.	Caliche	2	15	
6.	Clay, silty and sandy, dark-brown	2	17	
7.	Clay, silty, brown, contains caliche	5	22	
8.	Sand, fine to medium, red-brown	8	30	
9.	Sand, medium, brown	18.5	48.5	
10.	Clay, sandy, light-brown, cemented slightly	4.5	53	A few hard sand rocks
11.	Silt and clay, dark-brown	2	55	
12.	Clay, silty and sandy, tan, contains caliche and gravel	8	63	
13.	Caliche	3	66	
14.	Clay and caliche, light-tan to gray	1.5	67.5	Large gravel at 67 feet in clay
15.	Sand, medium to coarse, tan	5.5	73	
16.	Gravel	3	76	

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15.	Sand, medium to coarse, tan	5.5	73	
16.	Gravel	3	76	
17.	Clay, sandy, brown	12	88	
18.	Clay, sandy, tan	9	97	
19.	Sand, fine to medium, tan	13	110	
20.	Sand, coarse, contains gravel	7	117	
21.	Clay, sandy, tan-red	6	123	
22.	Caliche and clay, light-tan	5	128	
23.	Sand and clay, red	9	137	
24.	Clay, sandy, tan contains limonitic streaks	2	139	
25.	Clay, tan	6	145	

26.	Clay, very sandy, red	9	154	
27.	Sand, fine, tan-pink	2	156	
28.	Sand and clay, light-brown	8	164	
29.	Sand, fine, silty, gray to light-green, contains some clay	5	169	
30.	Sand, very fine and silty, clayey, green-gray to pink	8	177	Becomes more plastic at 176 feet
31.	Sand, very fine, silty, clayey, limonitic, pink	5	182	
32.	Clay, brown to dark-brown	8	190	Somewhat shaley
33.	Clay, sandy, red-tan	6	196	
34.	Caliche, sandy, light-gray	2	198	
35.	Sand, fine to medium	3	201	
36.	Gravel, medium to coarse, cemented slightly	9	210	Mortar or sandstone at 209 to 209.5 feet
37.	Sand, fine, tan, and gravel	10	220	
38.	Gravel	24	244	
39.	Sand and clay, silty, tan	16	260	Lime streaks
40.	Sand, silty, and clay, light-gray	10	270	
41.	Sand, fine, pink	10	280	
42.	Sand, fine, gray-pink	14	294	
43.	Caliche	6	300	
44.	Sand, fine, tan-pink	3	303	
45.	Sand, fine, red	5	308	
46.	Clay, limey, tan	6	314	Lime streaks
47.	Clay, very limey, brown	6	320	
48.	Clay, very limey, brown to dark-brown	10	330	
49.	Sand, fine, tan-pink	13	343	
50.	Clay, sandy, dark-brown to red-brown	17	360	Very sandy

WELL RECONNAISSANCE

INCORPORATED

P. O. BOX 1483 • DALLAS, TEXAS

Electric Well Log

COMPANY: U.S.G.S. & K.G.S.

WELL: 34-39-33dd

LOCATION: Morton Co.

DATE: 9-17-62 FOOTAGE: 558

MUD: _____ ELEVATION: _____

RECORDED BY: LCB & DHL

