

U.S. GEOLOGICAL SURVEY

AND

STATE GEOLOGICAL SURVEY OF KANSAS

County Johnson County, Kansas

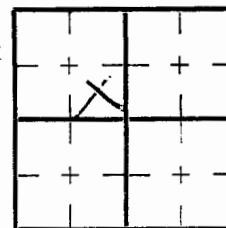
Field No. CD#1

Report No. _____

Total Depth 434.10

DRILLER'S LOG

SE 1/4 NW 1/4 sec. 3 T 12 ^{XX}S^R 24 ^EX^WX



Local description _____

Altitude _____ feet; Elevation _____ feet above _____ feet below

Topographic situation: Upland, side slope, terrace, flood plain, ravine, _____

Geologist-Party chief _____ Driller W. F. Myers Asst. driller _____

Date started June 14, 1953 Date completed _____ Cores taken (Intervals) _____

WATER SAMPLES

WATER LEVELS

Interval Logged by F.C. Greene Tape held _____
 Method _____ Tape wet _____
 Yield _____ Depth to water _____
 Appearance _____ Date _____
 Temp. °F. _____ Time _____

DESCRIPTION OF MATERIAL	THICK-NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Surface clay		12	Stoner
Lime boulder	1	13	
Clay-streaks of black shale	5	18	
Began coring at 18'			Captain Creek
Shale gray, thin streak of black shale at 18-6	1	19	
Limestone gray, dense to xline (ER 20)	4	23	
Shale gray, argill, at top, grading down thru sandy, micaceous shale to shaley sandstone (ER 34-9)	11-9	34-9	
Sandstone, gray	1	35-9	
Shale, dark, argill 1-3	1-3	37	
Lost core, probably same 4' (ER 41)	4	41	

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DRILLER'S LOG

..... 1/4 1/4 sec. 3 T 12 ~~SR~~ 24 E
 S R W

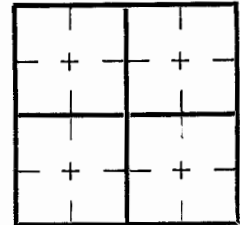
Local description

Altitude feet; Elevation feet above
 below

Topographic situation: Upland, side slope, terrace, flood plain, ravine,

Geologist-Party chief Driller Asst. driller

Date started 7-16-51 Date completed 7-16-51 Cores taken (Intervals)



WATER SAMPLES

WATER LEVELS

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

DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS	
Shale, dark, argill	0-6	41-6	Plattsburg	
Limestone, gray, xline, in thick beds with dark shaley partings, 2" shale 53-6 to 53-8	15	56-6		
Shale, dark argill (ER-61)	4-6	61		
Shale greenish, with calc. nodules	2	63		
Shale, dark, clayey (Came out in fragments)	3-6	66-6		
Sandstone, gray, x-bedded	6-2	72-8		
Shale, gray, sandy (ER-81)	8-4	81		
D0	7	88		
Shale, gray, argill	1-3	89-3		Upper Farley
Limestone, gray	4	93-3		
Shale, gray, argill	3-6	96-9		
Shale, gray, sandy (ER-101)	4-3	101		
			7-16-51	

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..... 1/4 1/4 sec. 3 T 12 ~~N~~ S R 24 ~~E~~ W

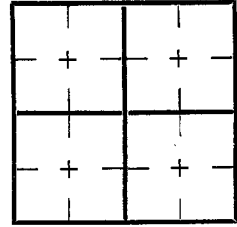
Local description

Altitude feet; Elevation feet above
below

Topographic situation: Upland, side slope, terrace, flood plain, ravine,

Geologist-Party chief Driller Asst. driller

Date started 7-17-51 Date completed 7-17-51 Cores taken (Intervals)



WATER SAMPLES

WATER LEVELS

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

DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Limestone, shaley and dark at top and base, main part light gray	5-6	106- ^b 1	Lower Farley
Shale, gray, slightly sandy	14-1	120-7	
Limestone, gray (ER 121)	0-5	121	Argentine
Limestone, gray, wavy bedding planes, Core broken 9-8 recovered 2-10 lost (ER 133-6)	12-6	133-6	Lost water at 123-6, but later returned 7-17+51

U.S. GEOLOGICAL SURVEY

County Johnson--Kansas

DRILLER'S LOG

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Field No.

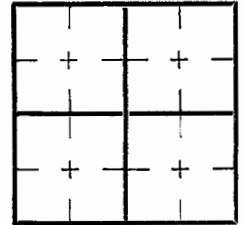
STATE GEOLOGICAL SURVEY OF KANSAS

Report No.

Total Depth

..... ¼ ¼ sec. 3 T 12 N S R 24 E W

Local description



Altitude feet; Elevation feet above below

Topographic situation: Upland, side slope, terrace, flood plain, ravine,

Geologist-Party chief Driller Asst. driller

Date started 7-19-51 Date completed 7-19-51 Cores taken (Intervals)

WATER SAMPLES

WATER LEVELS

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

DESCRIPTION OF MATERIAL	THICKNESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Limestone, gray	4-9	138-3	Base Argentine
Shale, gray	0-8	138-11	
Limestone, gray	3-3	142-3	Frisbie
Shale, gray	9-10	152	
Shale, sandy (ER 156)	4	156	
Shale, sandy grading downward into argill. shale (ERR 176)	10	176	
Shale, gray, argill	7-3	183-3	Raytown
Limestone, gray	7-4	190-7	Oil stains 188-5 to 189-1
Black slaty shale	1-3	191-10	
Limestone, dark, foss	1-4	193-2	
Shale, gray, calc., very foss.	0-8	193-10	
Shale, gray (ER 195-2)	7-2	201	
Shale, greenish with limestone nodules	3-6	204-6	
Limestone, gray, with several green shale partings	2-9	207-3	Cement City
Limestone, light gray (ER 215-2)	7-11	215-2	
			7-19-51

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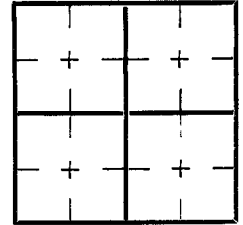
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STATE GEOLOGICAL SURVEY OF KANSAS

Total Depth

SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 3 T 12 $\frac{N}{S}$ R 24 $\frac{E}{W}$



Local description

Altitude feet; Elevation feet above
below

Topographic situation: Upland, side slope, terrace, flood plain, ravine,

Geologist-Party chief Driller Asst. driller

Date started 7-20-51 Date completed 7-20-51 Cores taken (Intervals)

WATER SAMPLES

WATER LEVELS

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

DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Limestone, gray	0-2	215-4	Base of Cement City
Shale, gray, dark band at top	2-2	217-6	
Shale, black slaty	1-8	219-2	Westerville
Shale, dark	0-10	220	
Shale, greenish	1-3	221-3	
Do with ls. nodules	1-3	222-6	
Limestone, gray shaley at top	3-5	225-11	
Shale, gray	0-5	226-4	
Limestone, light gray (ER 230-6)	4-2	230-6	
Shale, gray, argill.	15-6	246	Block
Limestone, dark, shaley	1-6	247-6	
Shale, dark almost black	2-	249-6	
Limestone, dark gray (ER 250-6)	1-	250-6	
			7-20-51

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Total Depth

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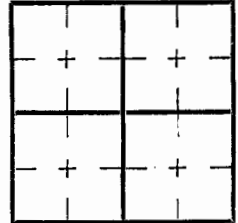
Local description

Altitude feet; Elevation feet above
below

Topographic situation: Upland, side slope, terrace, flood plain, ravine,

Geologist-Party chief Driller Asst. driller

Date started 7-23-51 Date completed 7-23-51 Cores taken (Intervals)



WATER SAMPLES

WATER LEVELS

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

DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Limestone, dark gray	0-7	251-1	Base of Block
Shale, dark, calc., and dark shaley ls.	4-5	255-6	} Winterset
Limestone, gray, cherty at 260	13-8	269-2	
Limestone, gray	5-10	275-	
Shale, dark gray	0-6	275-6	
Limestone, gray (ER 270-9)	7-3	282-9	
Shale, black slaty	3-6	286-3	
Shale, green	2-	288-3	} Bethany Falls
Shale, gray, with limy nodules	1-11	290-1	
Grades into: Limestone, light gray, with shale inclusions	3-8	293-9	
Limestone, white	15-8	309-5	
(Black oil stains	295-9	296-7	
(Brown oil stains	297-3	299-1	
(2" shaley band	308-11	309-1	} 7-23-51
Shale, black, slaty at base(ER 310-9)	1-4	310-9	

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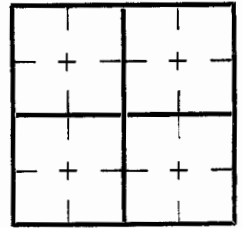
Report No.

STATE GEOLOGICAL SURVEY OF KANSAS

Total Depth

DRILLER'S LOG

..... 1/4 1/4 sec. 3 T 12 ~~N~~ S R 24 ~~E~~ W



Local description

Altitude feet; Elevation feet above below

Topographic situation: Upland, side slope, terrace, flood plain, ravine,

Geologist-Party chief Driller Asst. driller

Date started 7-24-51 Date completed 7-24-51 Cores taken (Intervals)

WATER SAMPLES

WATER LEVELS

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

DESCRIPTION OF MATERIAL	THICK-NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Shale, black, slaty	2-9	313-6	
Limestone, white	2-1	315-7	Middle Creek
Shale, black	0-5	316	
Limestone, with black shale seams	1-	317	Contact ?
Shale, black	0-3	317-3	
Limestone, with black shale seams	0-5	317-8	
Shale, black	0-11	318-7	
Limestone, shaley	1-	319-8	
Limestone, with black shale seams	1-	320-7	Hertha
Limestone, white	4-10	325-5	
Shale, gray	0-11	326-4	
Limestone, gray	0-6	326-10	
Shale, gray, clayey, core badly broken	2-4	329-2	
Shale, red, clayey, with a limy nodule near top	1-7	330-9	Critzer
			7-24-51

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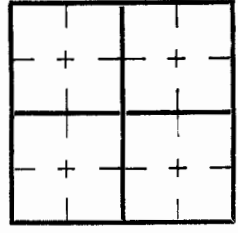
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STATE GEOLOGICAL SURVEY OF KANSAS

Report No.

Total Depth 434'10"

..... 1/4 1/4 sec. 3 T 12 N R 24 E
 S W



Local description

Altitude feet; Elevation Est. 1070 feet above
 below

Topographic situation: Upland, side slope, terrace, flood plain, ravine,

Geologist-Party chief Driller Asst. driller

Date started Date completed Cores taken (Intervals)

WATER SAMPLES

WATER LEVELS

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

DESCRIPTION OF MATERIAL	THICK- NESS (feet)	DEPTH (feet)	DRILLING CHARACTER AND REMARKS
Shale, red, clayey	1-2	331-11	
Shale, gray (ER 350)	11-5	343-4	
Shale, gray, sandy	27-4	370-8	
Sandstone, shaley (ER 368-9)	13-5	384-1	
Sandstone, some shale seams (ER 386-9)	26-8	406-9	
Sandstone with some conglomerate of shale fragments (oil stains 410-6 to 411)	4-3	411	
Shale, gray (ER 415)	4-	415	
Shale, gray	10-3	425-3	
Limestone, black, shaley, fossil	0-4	425-7	(Exline)
Shale, black, grading down into coal	0-3	425-10	
Shale, gray, clayey at top, grading down into sandstone	2-6	428-4	
Sandstone, gray	6-6	434-10	(Wayside of drillers of Kansas City area)
		T.D.	