

27-21-24 E

(22) Classification of driller's log on no. 3 Dan McLachlan well on
 Dan McLachlan, near Cen. E. line SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 27, T. 21 S.,
 R. 24 E. Total depth, 810 feet. Surface elevation, 1020 feet.

	Thickness, feet.	Depth, feet.	Elevation, feet.
QUATERNARY--Pleistocene			
Gravel.	5. . .	5	
PENNSYLVANIAN--Missourian			
Hertha limestone			
Sniabar limestone member			
Lime (may include part of overlying Ladore shale).	10. . .	15	
Mound City shale member			
Shale	2. . .	17	
Critzer limestone member			
Lime.	12. . .	29. . .	991
disconformity (?)			
Pleasanton group			
Shale	5. . .	34	
Sand, hard.	10. . .	44	
Shale, blue	90. . .	134	
Sand.	10. . .	144	
Shale	5. . .	149	
Hepler sandstone			
Sand.	10. . .	159	
unconformity			
PENNSYLVANIAN--Desmoinesian			
Holdenville shale			
Shale, sandy.	11. . .	170	
Shale, blue	15. . .	185	
Lenapah limestone (members undifferentiated)			
Lime.	5. . .	190	
Nowata shale			
Sand (Walter Johnson sandstone?).	15. . .	205	
Shale, green.	10. . .	215	
Shale	15. . .	230	
Altamont limestone--Worland limestone member			
Lime.	8. . .	238. . .	782
Banderz shale			
Shale (may include middle and lower members of Altamont limestone)	42. . .	279	
Coal.	1. . .	280	
Fireclay.	5. . .	285	
Pawnee limestone			
Coal City limestone member			
Lime.	18. . .	303	
Mine Creek shale member			
Mud	15. . .	318	
Myrick Station limestone member			
Lime.	8. . .	326	
Anna shale member			
Slate	4. . .	330	
Labette shale			
Shale, dark	10. . .	340	
Sand.	10. . .	350	
Shale	15. . .	365	
Fort Scott limestone			
Higginsville limestone member			
Lime.	18. . .	383	
Little Osage shale member			
Slate	3. . .	386	
Shale, light.	2. . .	388	
Blackjack Creek limestone member			
Lime.	4. . .	392	
"Cherokee" group			
Shale			
Shale, light			

Note: Top of Mississippian formations is 235 feet in elevation.