

- (20) Classification of driller's log on no. 1 Dan McLachlan well on
 Dan McLachlan, approximately 725 feet south and 205 feet
 east of the Gen. E. line NW $\frac{1}{4}$ sec. 27, T. 21 S., R. 24 E.
 Total depth, 507 feet. Surface elevation, 1023 feet.

	Thickness, feet.	Depth, feet.	Elevation, feet.
QUATERNARY--Pleistocene			
Soil.	1. . .	1	
PENNSYLVANIAN--Missourian			
Swope limestone			
Bethany Falls limestone member			
Lime.	10. . .	11	
Hushpuckney shale member			
Shale.	2. . .	13	
Middle Creek limestone member			
Lime, black (?)	8. . .	21	
Ladore shale			
Shale	1. . .	22	
Lime.	5. . .	27	
Shale	2. . .	29	
Hertha limestone			
Lime.	15. . .	44. . .	979
disconformity (?)			
Pleasanton Group			
Shale	141. . .	185	
unconformity			
PENNSYLVANIAN--Desmoinesian			
Lenapah limestone (Sni Mills limestone member)			
Lime.	3. . .	188	
Nowata shale			
Shale (may include middle and lower members of Lenapah limestone). . .	3. . .	191	
Sand.	24. . .	215	
Shale	3. . .	218	
Altamont limestone--Worland limestone member			
Lime.	22. . .	240. . .	783
Bandera shale			
Shale, sandy (may include middle and lower members of Altamont limestone).	30. . .	270	
Shale	12. . .	282	
Fireclay.	3. . .	285. . .	738
Pawnee limestone			
Coal City limestone member			
Lime, brown	20. . .	305	
Mine Creek shale member			
Shale	10. . .	315	
Myrick Station limestone member			
Lime.	5. . .	320	
Anna shale member			
Slate	3. . .	323	
Labette shale			
Shale, sandy.	8. . .	330	
Sand.	5. . .	335	
Shale	20. . .	355. . .	668
Fort Scott limestone			
Higginsville limestone member			
Lime.	20. . .	375	
Little Osage shale member			
Slate	4. . .	379	
Shale	4. . .	383	
Blackjack Creek limestone member			
Lime.	5. . .	386	
"Cherokee" group (undifferentiated)			
Shale, blue	5. . .	393	
Shale, sandy.	28. . .	421	