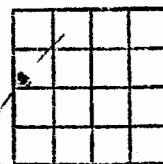


Company- WM. GRUENERWALD
 Farm- Muehlenkamp No. 1

SEC. 26 T. 11 R. 32W
 SW SW NW

Total Depth. 4775'
 Comm. 12-17-55 Comp. 1-4-56
 Shot or Treated.
 Contractor. Buick Drilling Incorporated
 Issued. 3-2-57

County Logan KANSAS



Elevation. 3026' DF

CASING:

8 5/8" 215'

Production. Dry

Figures indicate Bottom of Formations.

sand & gravel	115
shale	165
sand	175
shale	700
shale & shells	965
chalky lime	1020
shale & shells	1335
sandy shale	1750
sand, shale	
& shells	2045
shale & shells	2090
Anhydrite	2120
shale & shells	2160
sandy red bed	
& gypsum	2280
shale & shells	2560
Anhydrite	2589
shale & shells	2925
shale & lime	3445
shale &	
cherty lime	3495
shale, lime	
& chert	3585
shale & lime	3758
lime	3880
lime & shale	4008
lime	4258
lime & shale	4644
lime, chert	
& sand	4660
lime	4680
lime &	
chert	4710
lime	4765
lime & shale	4775
Total Depth	

SCOUT TOPS

Hebner	4021
Lansing	4066
Base/Kansas	
City	4346
Sand	4632
Mississippi	4670
Mississippi	
Dolomite	4725