

5-33-3W

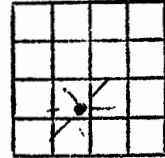
WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY  
508 East Murdock, Wichita, Kansas

Company- SOUTH TEXAS DEVELOPMENT COMPANY  
Farm- Muhlenbruech No. 1

SEC. 5 T. 33 R. 3W  
C SE NE SW

Total Depth. 4393'  
Comm. 12-1-56 Comp. 12-24-56  
Shot or Treated.  
Contractor. McKnab and Lindsay  
Issued. 4-20-57

County Sumner KANSAS



Elevation. 1250' RB

Production. 3,700,000 CFGPD

CASING:

8 5/8" @595' w/325 sx cem.  
5 1/2" @3106.82' w/150 sx cem.

Figures indicate Bottom of Formations.

|                    |      |
|--------------------|------|
| shale              | 598  |
| lime & shale       | 1290 |
| shale & sandy lime | 1903 |
| lime & shale       | 2490 |
| shale              | 2720 |
| lime & shale       | 2783 |
| sand & shale       | 2858 |
| shale              | 2998 |
| Brown Lime         | 3002 |
| shale & sand       | 3022 |
| sand               | 3047 |
| shale & sand       | 3104 |
| shale & sandy lime | 3250 |
| shale & lime       | 3327 |
| lime               | 3426 |
| lime & shale       | 3467 |
| Kansas City lime   | 3500 |
| lime               | 3600 |
| shale              | 3656 |
| shale & lime       | 3983 |
| Mississippi Chat   | 4010 |
| lime               | 4063 |
| Mississippi lime   | 4291 |
| lime               | 4316 |
| shale & lime       | 4393 |
| Total Depth        |      |

SCOUT TOPS

|             |      |
|-------------|------|
| Topeka      | 2265 |
| Heebner     | 2661 |
| Toronto     | 2700 |
| Stalnaker   | 3015 |
| Kansas City | 3304 |
| Mississippi | 3985 |
| Kinderhook  | 4315 |
| Simpson     | 4388 |