

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

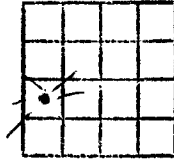
20-34-14W

Company- WILLIAM GRUENERWALD  
Farm- Hirsch No. 1

SEC. 20 T. 34 R. 14W  
C NW SW

Total Depth. 4805'  
Comm. 9-26-56 Comp. 1-11-57  
Shot or Treated.  
Contractor. Patton Drlg. Co. Inc.  
Issued. 2-2-57

County Barber  
KANSAS



Elevation. 1581' RB

Production. 3,300,000 MCFG

CASING:

13 3/8" 197' w/200 sx cem.  
5 1/2" 4795' w/200 sx cem.

Figures indicate Bottom of Formations.

|                    |      |
|--------------------|------|
| red beds           | 75   |
| red shale-shells   | 695  |
| shale-shells       | 855  |
| shale-lime         | 863  |
| shale-shells       | 1670 |
| salt-shale         | 1700 |
| shale-anhydrite    | 1795 |
| lime-shale         | 3725 |
| sand               | 3753 |
| lime-shale         | 3929 |
| sand               | 3946 |
| sdv shale          | 4092 |
| shale-lime         | 4120 |
| lime               | 4708 |
| shale-lime w/chert | 4750 |
| cherty lime        | 4805 |
| Total Depth        |      |

|              |      |
|--------------|------|
| TOPS: Scout  |      |
| Elgin Zone   | 3698 |
| Elgin sand   | 3725 |
| Neebner      | 3815 |
| Toronto      | 3892 |
| Douglas sand | 3929 |
| Lansing      | 4103 |
| Mississippi  | 4737 |