

28-14-13W

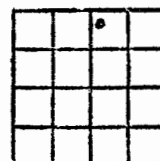
**WELL LOG BUREAU—KANSAS GEOLOGICAL SOCIETY**  
**508 East Murdock, Wichita, Kansas**

Company- SHIELDS OIL PRODUCERS  
 Farm- Giese No. 12

SEC. 28 T. 14 R. 13W  
 NW NW NE

Total Depth. 2400  
 Comm. 10-11-54 Comp. 11-13-54  
 Shot or Treated.  
 Contractor. Shields Bucyrus Erie Spudder  
 Issued. 2-26-55

County Russell  
 KANSAS



**CASING:**

15 1/2" 63' Left in  
 12 1/2" 389' 389'  
 10 3/4" 693' 693'  
 7" 2259' 2259'  
 4 1/2" 2398' com. w/80 sx  
 8 5/8" 210' mudded w/50 sx

Figures indicate Bottom of Formations.

Elevation. 1754' DE

Production. 25 bbls. oil per day

|                   |      |                                    |      |
|-------------------|------|------------------------------------|------|
| cellar            | 8    | lime & shale                       | 1940 |
| sand              | 11   | white shale                        | 1945 |
| post rock         | 15   | lime                               | 1960 |
| sand              | 63   | redrock                            | 1970 |
| shale sandy       | 70   | lime                               | 2025 |
| shale light       | 105  | shale blue                         | 2035 |
| HFW @ 105         |      | redrock                            | 2040 |
| sand              | 150  | lime hard                          | 2050 |
| shale             | 165  | shale & shells                     | 2075 |
| sand              | 180  | lime broken                        | 2095 |
| iron              | 194  | lime                               | 2115 |
| shale white       | 200  | lime & shale                       | 2155 |
| sand              | 220  | shale blue                         | 2175 |
| shale blue        | 247  | lime                               | 2185 |
| sand              | 253  | shale black                        | 2202 |
| shale blue        | 297  | lime                               | 2210 |
| iron              | 300  | shale & shells                     | 2225 |
| shale blue        | 315  | lime broken                        | 2240 |
| shale white sandy | 320  | shale & shells                     | 2266 |
| shale blue        | 350  | redrock                            | 2270 |
| shale white       | 388  | lime                               | 2272 |
| redrock           | 688  | shale sandy                        | 2276 |
| gyp               | 690  | shale                              | 2295 |
| lime Anhydrite    | 727  | shale sandy                        | 2302 |
| redrock           | 890  | 2 3/4 gal. oil per hr              |      |
| shale blue        | 940  | 2300-02                            |      |
| redrock           | 980  | shale blue                         | 2325 |
| shale grey        | 1005 | shale & iron                       | 2330 |
| redrock           | 1020 | lime Tarkio                        | 2347 |
| shale blue        | 1100 | shale blk                          | 2375 |
| salt              | 1340 | shale blue                         | 2397 |
| shale & shells    | 1440 | lime                               | 2400 |
| shale brown       | 1447 | Total depth                        |      |
| lime              | 1460 |                                    |      |
| shale brown       | 1470 | Tops:                              |      |
| lime & shale      | 1520 | Anhydrite                          | 690  |
| lime              | 1530 | 1st Tarkio sand                    | 2272 |
| shale & shells    | 1560 | 2nd Tarkio sand                    | 2294 |
| lime broken       | 1580 | Tarkio lime                        | 2330 |
| lime              | 1602 |                                    |      |
| redrock           | 1622 | Drilled cement to 2361. Perforate  |      |
| lime              | 1715 | 12/2277-2279, 43/2295-2305. Two    |      |
| shale blue        | 1720 | stage Petrofrac w/3000 gals. oil   |      |
| lime              | 1752 | and 6000# sand: Plugging material: |      |
| shale & shells    | 1765 | 3000 gal. oil and 6000# sand. Swb. |      |
| lime & shale      | 1785 | 4 BOPH/22 hrs.                     |      |
| lime              | 1815 |                                    |      |
| shale blue        | 1823 |                                    |      |
| lime              | 1830 |                                    |      |
| shale dark        | 1841 |                                    |      |
| lime              | 1865 |                                    |      |



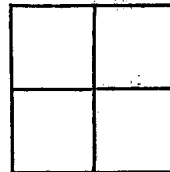
# Shields

Russell, Kansas

## WELL LOG

Operator: Shields Oil Producers  
Well: Giese #12  
Commenced: October 11, 1954  
Completed: November 13, 1954  
Contractor: Shields Bucyrus Erie Spudder

### Well Description:



NW NW NE  
Section 28  
Township 18S 14  
Range 14W 13  
Russell County, Kan

### CASING RECORD

| Size    | Run   | Pulled          |
|---------|-------|-----------------|
| 15 1/2" | 63'   | Left in         |
| 12 1/2" | 389'  | 389'            |
| 10 3/4" | 693'  | 693'            |
| 7"      | 2259' | 2259'           |
| 4 1/2"  | 2398' | Cmtd w/80 sax   |
| 8 5/8"  | 210'  | Mudded w/50 sax |

Elevation: 1754' DF  
Treatment: Dowell Petrofrac

Production: 25 BOPD

Tops: Anhydrite 690'  
1st Tarkio Sand 2272'  
2nd Tarkio Sand 2294'  
Tarkio Lime 2330'

.....Figures Indicate Bottom of Formations.....

|                    |      |                         |         |
|--------------------|------|-------------------------|---------|
| Cellar             | 8    | Lime                    | 1715    |
| Sand               | 11   | Shale, Blue             | 1720    |
| Post Rock          | 15   | Lime                    | 1752    |
| Sand               | 63   | Shale & Shells          | 1765    |
| Shale, Sandy       | 70   | Lime & Shale            | 1785    |
| Shale, Light       | 105  | Lime                    | 1815    |
| H. F. W. @ 105     |      | Shale, Blue             | 1823    |
| Sand               | 150  | Lime                    | 1830    |
| Shale              | 165  | Shale, Dark             | 1841    |
| Sand               | 180  | Lime                    | 1865    |
| Iron               | 194  | Lime & Shale            | 1940    |
| Shale, White       | 200  | White Shale             | 1945    |
| Sand               | 220  | Lime                    | 1960    |
| Shale, Blue        | 247  | Red Rock                | 1970    |
| Sand               | 253  | Lime                    | 2025    |
| Shale, Blue        | 297  | Shale, Blue             | 2035    |
| Iron               | 300  | Red Rock                | 2040    |
| Shale, Blue        | 315  | Lime (Hard)             | 2050    |
| Shale, White Sandy | 320  | Shale & Shells          | 2075    |
| Shale, Blue        | 350  | Lime, Broken            | 2095    |
| Shale, White       | 388  | Lime                    | 2115    |
| Red Rock           | 688  | Lime & Shale            | 2155    |
| Gyp                | 690  | Shale, Blue             | 2175    |
| Lime, Anhydrite    | 727  | Lime                    | 2185    |
| Red Rock           | 890  | Shale, Black            | 2202    |
| Shale, Blue        | 940  | Lime                    | 2210    |
| Red Rock           | 980  | Shale & Shells          | 2225    |
| Shale, Grey        | 1005 | Lime, Broken            | 2240    |
| Red Rock           | 1020 | Shale & Shells          | 2266    |
| Shale, Blue        | 1100 | Red Rock                | 2270    |
| Salt               | 1340 | Lime                    | 2272    |
| Shale & Shells     | 1440 | Shale, Sandy            | 2276    |
| Shale, Brown       | 1447 | Shale                   | 2295    |
| Lime               | 1460 | Shale, Sandy            | 2302    |
| Shale, Brown       | 1470 | 2 3/4 gal oil per hr. - | 2300-02 |
| Lime & Shale       | 1520 | Shale, Blue             | 2325    |
| Lime               | 1530 | Shale & Iron            | 2330    |
| Shale & Shells     | 1560 | Lime, Tarkio            | 2347    |
| Lime, Broken       | 1580 | Shale, Black            | 2375    |
| Lime               | 1602 | Shale, Blue             | 2397    |
| Red Rock           | 1622 | Lime                    | 2400 TD |

### Notes

Drilled cement to 2361. Perforate 12/2277-2279, 43/2295-2302. Two stage Petrofrac w/3000 gals oil and 6000# sand: Plugging material: 3000 gal oil and 6000# sand. Swabbed 4 BOPH/22 hrs.

SEP 2

ANNUATION DIVISION  
WILLIAM, KANSAS