

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

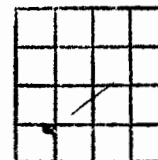
14-33-14W

Company- K & E DRILLING  
Farm- Baier No. 1

SEC. 14 T. 33 R. 14W  
NE SW SW

Total Depth. 4670'  
Comm. 2-5-64 Comp. 2-18-64  
Shot or Treated.  
Contractor. K & E Drilling  
Issued. 5-16-64

County Barber  
KANSAS



CASING:

Elevation. 1753' DF

10 3/4" 225' cem w/ 175 sx

Production. DRY

Figures Indicate Bottom of Formations.

|                      |          |
|----------------------|----------|
| red bed & shale      | 200      |
| shale                | 230      |
| sand & shale         | 625      |
| shale & shells       | 1575     |
| shale, shells & lime | 1950     |
| shale & lime         | 2690     |
| shale                | 2880     |
| shale & lime         | 4120     |
| lime                 | 4235     |
| lime & chert         | 4265     |
| lime                 | 4365     |
| lime & chert         | 4415     |
| lime                 | 4670 RTD |
| Total Depth          |          |

|              |      |
|--------------|------|
| TOPS: SMP    |      |
| Heebner      | 3929 |
| Toronto      | 3944 |
| Douglas      | 3966 |
| Douglas sand | 3980 |
| Lansing      | 4120 |
| Massey       | 4592 |
| Mississippi  | 4678 |

14-33-14W

JACK H. BROWN  
GEOLOGIST

Property of  
~~Kansas Geological Society~~  
540 Petroleum Bldg.  
Wichita, Kansas

Wichita, Kansas  
February 20, 1964

|             |                       |                              |
|-------------|-----------------------|------------------------------|
| Well:       | #1 Baier              | Section 14-33S-14W           |
| Operator:   | K & E Drilling, Inc.  | NE SW SW, Barber Co., Kansas |
| Contractor: | Company Tools, Rig #2 | Elevation 1758 DF; 1761 RB   |
| Commenced:  | February 5, 1964      | RTD 4760                     |
| Completed:  | February 18, 1964     | D & A                        |

Geological Data:

|           |              |
|-----------|--------------|
| Heebner   | 3929 (-2168) |
| Toronto   | 3949 (-2183) |
| Douglas   | 3966 (-2205) |
| Sandstone | 3980 (-2219) |

Fine to medium grained, white to gray angular micaceous glauconitic sandstone; calcareous in part.

Base sandstone 4036

Lansing-Kansas City 4120 (-2359)

Porous zones occur as follows:

|         |                                                                                           |
|---------|-------------------------------------------------------------------------------------------|
| 4192-99 | Buff to tan mottled fossiliferous slightly cherty limestone; broken fossil-cast porosity. |
| 4252-57 | Gray mottled fossiliferous limestone and buff chalky limestone.                           |
| 4275-82 | Limestone as above with streaks of spongy pinpoint porosity.                              |
| 4315-25 | Cream to gray soft chalky limestone with a few vugs.                                      |
| 4382-91 | Buff fossiliferous limestone with fossil-cast porosity.                                   |

Well: #1 Baier  
Operator: K & E Drilling, Inc.

Sec. 14-33S-14W  
NE SW SW, Barber Co., Kansas

- 4457-64 Gray mottled fossiliferous limestone with scattered vugular porosity.
- 4488-98 Buff to gray finely crystalline slightly cherty fossiliferous limestone and some chalky limestone. Scattered fossil-cast porosity and a trace of light oil staining.

Marmaton 4556 (-2795)

Massey Zone 4592 (-2831)

Buff to gray finely crystalline to chalky fossiliferous cherty limestone; scattered fossil-cast porosity and calcite crystals with vugs and a trace of free oil.

DST 4578-4620. Good blow. Recovered 1445 feet faint gas and 135 feet of mud with a scum of oil.

ISIP 1135#/30 minutes

FP 44# to 67#/1 hour

FSIP 1280#/45 minutes

Very tight formation.

Mississippian 4678 (-2917)

- 4678-86 White slightly weathered granular slightly tripolitic chert, little fresh porcelaneous chert; poor porosity--no vugs. Some dark oil staining and a trace of fluorescence.

4686-4715 White coarse crystalline cherty limestone:

DST 4647-93. Fair blow to dead in one hour. Recovered 800 feet of faint gas.

75 feet gassy mud

50 feet muddy water

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Well: #1 Baier  
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Sec. 14-33S-14W  
NE SW SW, Barber Co., Kansas

ISIP 1919#/30 minutes  
FP 56# to 89#/1 hour  
FSIP 1213#/45 minutes  
Poor reservoir conditions.

4715-25 White granular limestone.

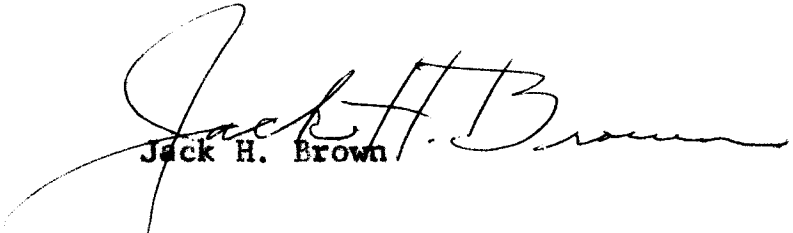
4725-33 Reddish argillaceous limestone (Fern Glen).

4733-52 Cream to gray finely crystalline limestone.

4752-60 TD Much white tripoli (weathered limestone)

DST 4693-4760. Weak blow 11 minutes. Recovered 10 feet mud.

ISIP 67#/30 minutes  
FP 40# to 50#/30 minutes  
FSIP 89#/50 minutes.

  
Jack H. Brown