

JAMES E. RUSSELL PETROLEUM, INC.  
 P.O. BOX 334  
 IOLA, KANSAS

66749

State Geological Survey  
 WICHITA, BRANCH

1-15-20E

ARDEN JOHNSON WELL NO 2

| Thickness | Strata   | Depth |
|-----------|----------|-------|
| 2         | Soil     | 2     |
| 8         | Clay     | 10    |
| 3         | Boulders | 13    |
| 6         | Shale    | 19    |
| 4         | Lime     | 23    |
| 139       | Shale    | 162   |
| 28        | Lime     | 190   |
| 7         | Shale    | 197   |
| 7         | Lime     | 204   |
| 6         | Shale    | 210   |
| 21        | Lime     | 231   |
| 24        | Shale    | 255   |
| 18        | Lime     | 273   |
| 75        | Shale    | 348   |
| 23        | Lime     | 371   |
| 15        | Shale    | 386   |
| 9         | Lime     | 395   |
| 25        | Shale    | 420   |
| 18        | Lime     | 438   |
| 16        | Shale    | 454   |
| 24        | Lime     | 478   |
| 10        | Shale    | 488   |
| 23        | Lime     | 511   |
| 3         | Shale    | 514   |
| 15        | Lime     | 529   |
| 172       | Shale    | 701   |
| 5         | Lime     | 706   |
| 16        | Shale    | 722   |
| 3         | Lime     | 725   |
| 18        | Shale    | 743   |
| 4         | Lime     | 747   |

| Thickness        | Strata   | Depth    |
|------------------|----------|----------|
| 4                | Shale    | 751      |
| 3                | Lime     | 754      |
| 2                | Slate    | 756      |
| 5                | Shale    | 771      |
| 2                | Lime     | 773      |
| 20               | Shale    | 793      |
| 3                | Lime     | 796      |
| 12               | Shale    | 808      |
| 13               | Sand     | 821      |
| 2.5              | Oil Sand | 823.5    |
| Started Coring   |          |          |
| 2.6              | Oil Sand | 826.1    |
| 4.1              | Oil Sand | 830.2    |
| 4.3              | Oil Sand | 834.5    |
| 4.0              | Oil Sand | 838.5    |
| 3.9              | Oil Sand | 842.4    |
| 3.7              | Oil Sand | 871.1    |
| Started Drilling |          |          |
| 25.0             | Shale    | 871.1 TD |
| Plugged Back to  |          |          |
|                  |          | 870 PB   |



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 STATE CORPORATION COMMISSION  
 FEB 19 1974  
 CONSERVATION DIVISION  
 Wichita, Kansas