Computer Inventoried

WENDELL S. JOHNS

# FORMATION LOG

Bedell-Catt #2 Jackson
Extreme SW corner NE NE
25-25S-8E
Greenwood County, Kansas
Elevation 1408 Kelly bushing

8 5/8" 85'
4 1/2" 2462'
Comm: 11-4-54
C omp:

Note: All measurements are from the top of the Kelly bushing which is 5' above the ground.

| Depth | Formation Description | Remarks |
|---|---|---|
| | | Drillers Log 0 to 1700 |
| 0 10 | Top Soil | |
| 10 - 50 | Shale and limestone | |
| 50 - 60 | River gravel | |
| 60 - 195 | Limestone | |
| 195 - 205 | Shale and shells | |
| 205 - 685 | Limestone and shale | |
| 685 - 725 | Limestone | |
| 725 - 900 | Shale and shells | |
| 900 - 75 | Limestone | |
| 975 - 1085 | Sand and shale | |
| 1085 - 1305 | Shale and limestone | |
| 1305 - 1540 | Shale and shells | |
| 1540 - 1640 | Limestone | |
| 1640 - 1700 | Limestone and shale | |
| 1700 - 1824 | Shale, green-gray, micaceous silty | Sample log 1700 - 2464 |
| 1824 - 45 | Limestone, tan, crystalline to subcrystalline | Top Kansas City limestone 1824 |
| 1845 - 59 | Limestone, gray to dark gray, fossiliferous, finely crystalline | |
| 1859 - 90 | Limestone, light tan, subcrystalline to finely crystalline fossiliferous, considerable chert light tan opaque vitreous | |
| 1890 - 93 | Shale, dark gray, silty | |
| 1893 - 1936 | Limestone as above, less chert, some chalky limestone | |
| 1936 - 44 | Shale, green-gray to black | |
| 1944 - 51 | Limestone as above | |
| 1951 - 59 | Limestone, light tan, finely crystalline, fair vuggy porosity; chert, white, opaque vitreous | No show |
| 1959 - 79 | Limestone, white to light brown finely crystalline to dense; trace chert | |
| 1979 - 90 | Limestone, brown to buff, finely crystalline, very fossiliferous very porous | No show |

| Depth | Formation Description | Remarks |
|---|---|---|
| 1990 - 93 | Limestone, brown, dense | |
| 1993 - 94 | Shale, dark gray | |
| 1994 - 99 | Limestone, coarsely crystalline dolomitic | Base Kansas City 1999 |
| 1999 - 2002 | Shale, gray | |
| 2002 - 05 | Limestone, dark gray to dark brown, blocky, dense | |
| 2005 - 94 | Shale, gray, trace green and brown shale, some fine gray shaly sand in top 50 feet. | |
| 2094 - 2102 | Limestone, gray-tan dense | Altamont |
| 2102 - 23 | Shale gray, trace brown | |
| 2123 - 26 | Dolomite, white to brown, coarsely crystalline | Pawnee 2123 - 43 |
| 2126 - 30 | Shale, gray | |
| 2130 - 43 | Limestone, tan to pinkish-gray dense | |
| 2143 - 70 | Shale, gray to green-gray | |
| 2170 - 2200 | Shale, green-gray and brown much pyrite, some fine gray shaly sand. | |
| 2200 - 10 | Limestone, tan, subcrystalline, fossiliferous, possibly some oolites | Ft. Scott 2200-43 |
| 2210 - 25 | Shale, gray, sand fine gray shaly | |
| 2225 - 27 | Limestone as above | |
| 2227 - 39 | Shale and sand as above | |
| 2239 - 43 | Limestone as above | |
| 2243 - 57 | Shale, gray | |
| 2257 - 61 | Shale, green and dark gray | |
| 2261 - 63 | Limestone, gray to brown subcrystalline | Breezy Hill 2261-73 |
| 2263 - 71 | Shale, gray | |
| 2271 - 73 | Limestone, brown, crystalline fossiliferous | |
| 2273 - 2313 | Shale, gray to gray-green, trace fine green-gray shaly sand | |
| 2313 - 20 | Sand, gray, fine to submedium silty very micaceous | No show |
| 2320 - 50 | Shale, gray to dark gray some very fissile, some thin streaks sand as above | |
| 2350 - 58 | Limestone, gray, dense | Ardmore |
| 2358 - 64 | Shale, dark gray to black | |
| 2364 - 70 | Sand, gray medium to coarse glassy, micaceous | No show, Cattleman Zone? 2364 - 2403 |
| 2370 - 92 | Shale, gray | |
| 2392 - 2403 | Sand, fine, light gray, silty very micaceous | No show |

| Depth | Formation Description | Remarks |
|---|---|---|
| 2403 - 43 | Shale, gray to dark gray, very silty | |
| 2443 - 48 | Sand; light gray, submedium to green gray fine, silty micaceous | Upper Bartlesville No show |
| 2448 - 62 | Shale, gray to green-gray, silty | |
| 2462 - 64 | Sand, gray to brown, coarse angular, some green spots. Good porosity. | Main Bartlesville sand body . Good odor very good show free oil |
| 2464 | Rotary total depth | 11-10-54 |

No cores, drill stem tests or electric log were taken on the #2 Jackson

Cable tool drilling

2464 - 76 Sand as above
2476 - 84 Shale, dark gray to black
2484 - Final total depth

Completion Data:

Plugged back to 2475
Shot 8 quarts
Cleaned out hole
Fractured with 10,000 pounds sand and 230 barrels oil (including load oil and flush oil).
Swabbed back load in 8 hours
Put well on pump

SAMPLES EXAMINED AND LOG COMPILED

by

WENDELL S. JOHNS

Computer Inventoried

WENDELL S. JOHNS

# TIME LOG

Bedell-Catt #2 Jackson
Approx 1260 NL& 1260 EL NE¼
25-25S-8E
Greenwood County, Kansas
Elevation: 1408 rotary bushing

Note: All measurements are from the top of the rotary bushing

| Depth | Time | Remarks |
|---|---|---|
| 1700 - 10 | 2-2-3-2-2-2-2-2-2-2 | |
| 20 | 2-2-2-2-2-2-2-2-X-2 | |
| 30 | 2-2-2-2-1-2-2-2-2-2 | |
| 40 | 2-2-2-2-2-2-2-1-1-2 | |
| 50 | 2-2-2-3-2-2-2-2-2-2 | |
| 60 | 2-2-2-2-1-1-2-2-3-2 | |
| 70 | 2-2-2-1-2-2-2-2-2-2 | |
| 80 | 3-2-2-2-2-2-2-2-2-2 | |
| 90 | 2-2-X-2-2-2-2-2-2-2 | |
| 90 - 1800 | 2-2-2-2-2-2-1-1-2-2 | |
| 1800 - 10 | 1-2-2-2-2-2-2-1-2-1 | |
| 20 | 1-2-1-2-2-1-2-2-2-1 | |
| 30 | 2-2-1-2-3-5-3-4-4-3 | Top Kansas City Limestone 1824 |
| 40 | 3-3-3-3-2-2-2-3-3-2 | |
| 50 | 2-3-3-3-4-3-2-2-2-2 | |
| 60 | 2-1-2-2-2-2-3-2-2-3 | |
| 70 | 3-3-3-3-3-3-3-3-3-3 | |
| 80 | 3-3-3-2-2-2-2-4-4-5 | |
| 90 | 4-5-4-4-4-4-4-6-4-5 | |
| 90 - 1900 | 2-2-2-6-4-4-4-4-4-4 | |
| 1900 - 10 | 4-3-3-3-2-2-2-4-4-6 | |
| 20 | 5-5-5-4-4-5-5-5-5-6 | |
| 30 | 6-6-6-6-5-6-5-6-6-6 | |
| 40 | 6-5-4-5-3-5-3-3-3-3 | |
| 50 | 3-3-3-3-4-4-6-5-4-4 | |
| 60 | 4-3-3-3-3-3-3-3-3-5 | |
| 70 | 6-3-4-3-2-4-5-6-6-4 | |
| 80 | 4-6-6-6-6-5-5-5-4-3 | |
| 90 | 2-2-3-3-3-4-4-4-5-10 | |
| 90 - 2000 | 8-7-6-3-6-7-10-10-8-6 | Rough 1989 - 2000<br>Base Kansas City 1999 |
| 2000 - 10 | 5-5-7-6-6-5-5-5-5-5 | S.R. 2000 - 05 |
| 20 | 4-4-4-5-4-5-4-5-4-5 | |
| 30 | 4-4-5-2-2-2-2-2-3-2 | Trip 2023 OSC |
| 40 | 2-3-2-2-2-2-2-2-2-2 | |
| 50 | X-2-2-2-3-2-2-2-2-1 | |
| 60 | 2-2-2-2-2-2-2-3-2-2 | |
| 70 | 2-3-3-3-2-3-3-3-3-3 | |
| 80 | 3-3-3-4-3-3-2-3-3-2 | |

| Depth | Time | Remarks |
|---|---|---|
| 2080 - 90 | 2-3-3-3-2-2-2-2-2-2- | |
| 90 - 2100 | 2-2-2-2-3-3-4-4-2-2 | Altamont 2094 - 2102 |
| 2100 - 10 | 2-2-1-1-2-X-2-1-1-2 | |
| 20 | 2-2-3-3-3-2-2-2-2-2 | |
| 30 | 2-2-2-3-3-3-2-2-2-2 | Pawnee 2123 - 43? |
| 40 | 4-5-5-5-3-3-4-X-3-2 | |
| 50 | 3-3-4-3-2-2-2-2-2-3 | |
| 60 | 2-2-3-3-3-2-2-3-2-3 | |
| 70 | 3-3-3-3-3-2-3-3-2-2 | |
| 80 | 2-2-2-2-2-2-3-2-2-2 | |
| 90 | 2-2-2-2-1-2-2-2-2-2 | |
| 90 - 2200 | 2-2-3-2-2-2-2-2-2-2 | |
| 2200 - 10 | 5-4-3-3-5-4-4-2-3-4 | Top Ft. Scott 2200 |
| 20 | 3-2-2-3-2-2-3-2-2-3 | |
| 30 | 2-3-3-2-2-4-7-4-3-2 | |
| 40 | 2-1-2-3-2-2-3-3-3-4 | |
| 50 | 3-4-5-3-2-4-4-4-4-4 | Base Ft. Scott 2243 ? |
| 60 | 5-5-4-4-5-4-4-2-2-2 | |
| 70 | 2-4-8-3-3-2-3-2-3-3 | |
| 80 | 3-7-7-3-3-2-4-3-4-3 | |
| 90 | 4-3-3-3-3-3-3-3-3-3 | |
| 90 - 2300 | 3-3-3-3-3-3-3-2-2-3 | |
| 2300 - 10 | 3-2-2-3-3-4-3-4-4-3 | |
| 20 | 3-3-3-2-2-3-2-3-2-4 | |
| 30 | 4-3-4-4-3-3-3-4-3-2 | |
| 40 | 3-3-4-3-4-4-3-4-4-4 | |
| 50 | 4-4-4-4-4-4-4-4-4-4 | |
| 60 | 5-5-5-5-6-5-5-5-4-6 | |
| 70 | 4-4-4-4-3-3-2-2-2-2 | |
| 80 | 4-4-3-4-4-5-5-5-5-4 | |
| 90 | 4-4-4-6-4-3-4-4-5-5 | |
| 90 - 2400 | 5-5-4-3-4-5-5-5-3-4 | |
| 2400 - 10 | 4-4-4-5-5-5-5-6-6-5 | |
| 20 | 6-6-6-5-6-6-6-7-6-6 | |
| 30 | 6-7-6-6-4-4-6-4-5-8 | |
| 40 | 9-6-5-8-7-6-6-7-7-8 | |
| 50 | 8-7-10-5-5-5-6-5-7-7 | |
| 60 | 8-7-8-9-X-7-10-7-8-8 | |
| 70 | 9-5-1½-1 | Top Bartlesville 2462<br>Circ. 2463 3/4 hrs.<br>Circ 2464 3/4 hrs.<br>T.D.2464 4½" @ 2462<br>11-10-54 |

Took no cores or drill stem tests.

Did not run electric log.

Time Log Condensed by

Johns & Magathan