

**CORE LABORATORIES, INC.**  
*Petroleum Reservoir Engineering*

DALLAS, TEXAS

PHILLIPS PETROLEUM COMPANY      DATE : 11-26-81      FILE NO : 3202-12680  
20684U TR. 3202 WELL #010 #8      FORMATION : GRAYBURG/SAN ANDRES      ANALYSTS : REINHEIMER

FULL DIAMETER ANALYSIS

| SAMPLE NUMBER                             | DEPTH FEET  | PERM MAXIMUM | PERM 90 DEG | HE POR | OIL% PORE | WTR% PORE | GRAIN DEN | DESCRIPTION                     |
|-------------------------------------------|-------------|--------------|-------------|--------|-----------|-----------|-----------|---------------------------------|
| * 369                                     | 4915.0-16.0 | <0.01        |             | 2.6    | 1.4       | 80.0      | 2.85      | DOL SL/ANHY VF PP               |
| * 370                                     | 4916.0-17.0 | 0.05         |             | 4.1    | 0.9       | 78.8      | 2.87      | DOL SL/ANHY VF SL/V PP          |
| 371                                       | 4917.0-18.0 | 4.1          | 3.8         | 1.9    | 2.9       | 84.1      | 2.83      | DOL SL/ANHY VF SL/V             |
| 372                                       | 4918.0-19.0 | 14.          | 8.2         | 5.0    | 3.6       | 46.4      | 2.84      | DOL SL/ANHY VF SL/V             |
| 373                                       | 4919.0-20.0 | 5.8          | 5.5         | 3.3    | 7.7       | 50.0      | 2.83      | DOL SL/ANHY VF SL/V             |
| 374                                       | 4920.0-21.0 | 10.          | 9.9         | 2.9    | 16.7      | 46.7      | 2.83      | DOL SL/ANHY VF SL/V             |
| * 375                                     | 4921.0-22.0 | 1.2          |             | 2.2    | 8.6       | 50.9      | 2.84      | DOL VF SL/V                     |
| 376                                       | 4922.0-23.0 | 4.9          | 2.6         | 4.0    | 4.3       | 59.6      | 2.86      | DOL VF SL/V FOSS                |
| 377                                       | 4923.0-24.0 | 3.3          | 1.7         | 4.6    | 2.6       | 54.5      | 2.82      | DOL VF SL/V FOSS                |
| * 378                                     | 4924.0-25.0 | <0.01        |             | 5.8    | 4.3       | 68.6      | 2.84      | DOL VF V FOSS                   |
| 379                                       | 4925.0-26.0 | 7.0          | 6.9         | 4.5    | 10.6      | 51.1      | 2.83      | DOL SL/ANHY VF V FOSS           |
| * 380                                     | 4926.0-27.0 | 0.20         |             | 4.3    | 3.6       | 56.7      | 2.84      | DOL VF V                        |
| 381                                       | 4927.0-28.0 | 0.77         | 0.72        | 9.1    | 1.6       | 25.6      | 2.87      | DOL VF SL/V                     |
| CORE NO. 25 4928.0-4944.0 CUT 16' REC 16' |             |              |             |        |           |           |           |                                 |
| 382                                       | 4928.0-29.0 | 0.21         | 0.15        | 6.4    | 1.3       | 53.5      | 2.86      | DOL SL/ANHY VF SL/V PP OOL      |
| 383                                       | 4929.0-30.0 | 0.30         | 0.11        | 8.3    | 4.4       | 49.5      | 2.87      | DOL SL/F PP OOL                 |
| 384                                       | 4930.0-31.0 | 0.10         | 0.08        | 5.6    | 2.8       | 77.5      | 2.82      | DOL SL/V PP OOL STY             |
| 385                                       | 4931.0-32.0 | 0.33         | 0.33        | 5.9    | 2.7       | 69.3      | 2.83      | DOL SL/F SL/V PP OOL STY        |
| 386                                       | 4932.0-33.0 | 0.16         | 0.13        | 6.6    | 0.9       | 57.8      | 2.84      | DOL SL/ANHY SL/F SL/V PP FOSS   |
|                                           |             |              |             |        |           |           |           | OOL STY                         |
| 387                                       | 4933.0-34.0 | 0.17         | 0.08        | 6.2    | 1.2       | 59.0      | 2.83      | DOL SL/ANHY SL/F SL/V PP FOSS   |
| 388                                       | 4934.0-35.0 | 9.0          | 3.5         | 6.7    | 1.4       | 48.3      | 2.83      | OOL STY                         |
|                                           |             |              |             |        |           |           |           | DOL SL/ANHY SL/F SL/V PP FOSS   |
| 389                                       | 4935.0-36.0 | 12.          | 0.53        | 5.3    | 1.9       | 50.5      | 2.84      | OOL                             |
| 390                                       | 4936.0-37.0 | 5.6          |             | 13.5   | 7.2       | 47.7      | 2.84      | DOL SL/ANHY VF SL/V PP FOSS OOL |
| 391                                       | 4937.0-38.0 | 21.          | 9.7         | 5.3    | 1.6       | 49.6      | 2.83      | DOL SL/ANHY VF SL/V PP OOL      |

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