

CORE LABORATORIES, INC.  
Petroleum Reservoir Engineering  
DALLAS, TEXAS

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CORE ANALYSTS REPORT

FOR

FOGO PRODUCING COMPANY

SAM FEDERAL NO. 1  
WILICAT  
EDDY COUNTY, NEW MEXICO

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POGO PRODUCING COMPANY  
 SAM FEDERAL NO. 1  
 WILDCAT  
 EDDY COUNTY, NEW MEXICO

DATE : 4-21-81  
 FORMATION : DELAWARE  
 DRG. FLUID:  
 LOCATION : 990' FSL & 8A0' FWL, SEC. 25, T-25-S-28-E

FILE NO : 3202-12279  
 ANALYSTS : REINHEIMER  
 LABORATORY: MIDLAND TEXAS

CONVENTIONAL PLUG ANALYSIS

| SAMPLE NUMBER | DEPTH FEET  | PERM MAXIMUM  | FLD FOR | OILZ WTRZ FORE | DESCRIPTION  |
|---------------|-------------|---------------|---------|----------------|--------------|
|               | CORE NO. 1  | 2618.0-2678.0 | CUT 60' | REC 60'        |              |
| 1             | 2618.0-51.0 |               |         |                | NA SH SDY    |
| 2             | 2651.0-52.0 | 2.2           | 18.7    | 0.0 73.4       | SD FG SL/LMY |
| 3             | 2652.0-53.0 | 1.4           | 19.5    | 0.0 77.1       | SD FG SL/LMY |
| 4             | 2653.0-54.0 | 2.7           | 18.6    | 0.0 77.8       | SD FG SL/LMY |
| 5             | 2654.0-55.0 | 62.           | 26.0    | 11.1 52.4      | SD FG SL/LMY |
| 6             | 2655.0-56.0 | 20.           | 24.4    | 10.9 61.6      | SD FG SL/LMY |
| 7             | 2656.0-57.0 | 3.4           | 24.4    | 0.0 68.0       | SD FG SL/LMY |
| 8             | 2657.0-58.0 | 4.2           | 24.7    | 0.0 73.0       | SD FG SL/LMY |
| 9             | 2658.0-59.0 | 40.           | 19.8    | 0.0 81.2       | SD FG SL/LMY |
| 10            | 2659.0-60.0 | 46.           | 28.2    | 3.6 71.7       | SD FG SL/LMY |
| 11            | 2660.0-61.0 | 74.           | 27.1    | 10.1 63.3      | SD FG SL/LMY |
| 12            | 2661.0-62.0 | 62.           | 25.0    | 0.0 76.3       | SD FG SL/LMY |
| 13            | 2662.0-63.0 | 42.           | 23.1    | 0.0 77.0       | SD FG SL/LMY |
| 14            | 2663.0-64.0 | 19.           | 25.0    | 0.0 76.4       | SD FG SL/LMY |
| 15            | 2664.0-65.0 | 7.5           | 23.9    | 0.0 74.5       | SD FG SL/LMY |
| 16            | 2665.0-66.0 | 5.8           | 23.9    | 0.0 72.1       | SD FG SL/LMY |
| 17            | 2666.0-67.0 | 0.15          | 22.1    | 0.0 78.5       | SD FG SL/LMY |
| 18            | 2667.0-68.0 | 2.3           | 23.3    | 0.0 74.3       | SD FG LMY    |
| 19            | 2668.0-69.0 | 3.8           | 24.7    | 0.0 73.6       | SD FG SL/LMY |
| 20            | 2669.0-70.0 | 80.           | 27.1    | 0.0 76.0       | SD FG        |
| 21            | 2670.0-71.0 | 18.           | 26.0    | 0.0 73.1       | SD FG LMY    |
| 22            | 2671.0-72.0 | 13.           | 26.0    | 0.0 69.7       | SD FG LMY    |
| 23            | 2672.0-73.0 | 6.2           | 24.6    | 0.0 76.4       | SD FG LMY    |
|               | 2673.0-74.0 | 9.7           | 24.7    | 0.0 74.5       | SD FG LMY    |

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WAGO PRODUCING COMPANY  
 SAM FEDERAL NO. 1

DATE : 4-21-81  
 FORMATION : DELAWARE

FILE NO : 3202-12279  
 ANALYSTS : REINHHEIMER

CONVENTIONAL FLUG ANALYSIS

| SAMPLE NUMBER | DEPTH FEET  | PERM MAXIMUM | FLD POR | OIL% WTR%<br>FORE FORE | DESCRIPTION |
|---------------|-------------|--------------|---------|------------------------|-------------|
| 24            | 2674.0-75.0 | 4.3          | 23.8    | 0.0 73.5               | SD FG LMY   |
| 25            | 2675.0-76.0 | 27.          | 23.6    | 0.0 73.0               | SD FG LMY   |
|               | 2676.0-78.0 |              |         |                        | NA SH SDY   |

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