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ROTARY ENGINEERS LABORATORIES  
Core # 2 & 3 CONVENTIONAL (PLUG) CORE ANALYSIS TABULAR DATA

|                           |  |                           |  |                      |  |
|---------------------------|--|---------------------------|--|----------------------|--|
| COMPANY Getty Oil Company |  | WELL Myers (L-M) Unit #94 |  | FIELD Langlie-Mattix |  |
| COUNTY Lea                |  | STATE New Mexico          |  | DATE 9-20-80         |  |
| ANALYST AMM               |  | JOB NO. R-6074            |  |                      |  |

REMARKS LITHOLOGICAL ABBREVIATIONS PAGE (3) ELEVATION 3304' G.L.; 3314' K.B.

| DEPTH | GRAIN | DENS-ITY | PLUG PERM | M.D. | PORO-SITY | FLUIDS SW | FLUIDS SO | FLO. | REMARKS |
|-------|-------|----------|-----------|------|-----------|-----------|-----------|------|---------|
|-------|-------|----------|-----------|------|-----------|-----------|-----------|------|---------|

|    |           |      |     |      |      |      |     |                                          |                          |
|----|-----------|------|-----|------|------|------|-----|------------------------------------------|--------------------------|
| 1  | -31       | 2.76 | <.1 | 4.7  | 73.3 | 0.0  | 0.0 | TR                                       | Gr. Snd, Dolo, Slt. Shly |
| 2  | -32       | 2.64 | 0.1 | 6.8  | 79.8 | 17.1 | 100 | Gr. Snd, Sct. S/P                        |                          |
| 3  | -33       | 2.73 | 0.1 | 10.6 | 45.6 | 10.9 | 100 | Gr. Snd, Sct. S/P                        |                          |
| 4  | -34       | 2.72 | 0.1 | 7.6  | 60.1 | 13.1 | 80  | Gr. Snd, Dolo                            |                          |
| 5  | 3534-3535 | 2.78 | <.1 | 4.2  | 93.9 | 0.0  | 0   | Gr. Snd, Dolo, Sct. S/P                  |                          |
| 6  | 3537-3538 | 2.84 | <.1 | 1.9  | 72.1 | 0.0  | TR  | Dolo, Sct. S/P                           |                          |
| 7  | 3538-3539 | 2.67 | <.1 | 3.8  | 86.6 | 0.0  | 0   | Snd, Dolo, Slt. Shly                     |                          |
| 8  | 3539-3540 | 2.77 | 0.1 | 9.0  | 79.7 | 4.4  | TR  | Brn. Snd, Slt. Dolo                      |                          |
| 9  | -41.1     | 2.75 | <.1 | 6.7  | 65.6 | 0.0  | 0   | Brn. Snd, Dolo, S/P                      |                          |
| 10 | -42       | 2.85 | <.1 | 0.4  | 80.0 | 0.0  | 80  | Dolo, Frac                               |                          |
| 11 | -43       | 2.84 | <.1 | 1.4  | 94.0 | 0.0  | 100 | Dolo, Frac, Slt. Shly, S/P               |                          |
| 12 | -44       | 2.84 | <.1 | 1.0  | 90.2 | 0.0  | 100 | Dolo, Frac, Slt. Shly, S/P               |                          |
| 13 | 3544-3545 | 2.83 | <.1 | 1.3  | 83.2 | 0.0  | 50  | Dolo, Frac, Slt. Sh. to Dolo, Frac, Sndy |                          |
| 14 | -46       | 2.72 | 0.1 | 9.5  | 77.5 | 4.1  | 50  | Dolo, Sndy, Lam. S/P to Dolo, Frac       |                          |
| 15 | -47       | 2.72 | <.1 | 5.7  | 84.0 | 0.0  | 0   | Dolo, Sndy, Tr. PFP, Sm. Slt. Shly       |                          |
| 16 | -48       | 2.86 | <.1 | 3.2  | 60.4 | 0.0  | 0   | Dolo to Dolo Frac                        |                          |
| 17 | -49       | 2.83 | 1.5 | 11.7 | 16.9 | 5.1  | 50  | Dolo, Frac, Slt. Shly                    |                          |
| 18 | 3549-3550 | 2.85 | <.1 | 2.0  | 86.1 | 0.0  | 100 | Dolo, Frac, Tr. Vug                      |                          |
| 19 | -51       | 2.73 | <.1 | 11.7 | 14.9 | TR   | TR  | Brn. Snd, Shly, Frac                     |                          |
| 20 | -52       | 2.59 | 0.4 | 12.2 | 61.9 | 31.5 | 100 | Brn. Snd, Slt. Shly, H/L Frac            |                          |
| 21 | -53       | 2.72 | <.1 | 8.8  | 84.6 | 0.0  | 10  | Brn. Snd, Slt. Shly, Dolo                |                          |
| 22 | -54       | 2.77 | <.1 | 5.3  | 92.5 | 0.0  | 0   | Brn. Snd, Slt. Shly, Dolo                |                          |
| 23 | 3554-3555 | 2.71 | <.1 | 10.0 | 73.4 | TR   | 0   | Brn. Snd, Slt. Shly, Dolo, S/P           |                          |
| 24 | -56       | 2.63 | 0.1 | 8.5  | 78.8 | 15.8 | 10  | Sand, Shly                               |                          |
| 25 | -57       | 2.73 | <.1 | 6.8  | 59.1 | 3.0  | 40  | Sand, Slt. Shly                          |                          |
| 26 | -58       | 2.80 | <.1 | 3.6  | 64.5 | 0.0  | TR  | Dolo, Frac                               |                          |
| 27 | -59       | 2.84 | <.1 | 1.0  | 87.3 | 0.0  | TR  | Dolo, Frac                               |                          |
| 28 | 3559-3560 | 2.70 | <.1 | 14.3 | 16.9 | 0.0  | 90  | Snd, Slt. Shly, Dolo, S/P, Frac          |                          |
| 29 | -61       | 2.66 | <.1 | 13.9 | 34.5 | 5.3  | TR  | Brn. Sand, Dolo, Slt. Shly, Frac         |                          |
| 30 | -62       | 2.86 | <.1 | 1.3  | 80.0 | 0.0  | TR  | Dolo, Slt. Sndy, Slt. Shly, Frac         |                          |
| 31 | -63       | 2.85 | <.1 | 1.9  | 92.5 | 0.0  | TR  | Dolo, Slt. Sndy, Lam. S/P                |                          |
| 32 | -64       | 2.85 | <.1 | 3.1  | 47.8 | 0.0  | 0   | Dolo                                     |                          |
| 33 | 3590-3591 | 2.87 | <.1 | 1.7  | 63.6 | 0.0  | TR  | Dolo, Sct. S/P, Slt. Shly, Frac          |                          |
| 34 | -92       | 2.86 | <.1 | 2.0  | 75.2 | 12.2 | TR  | Dolo, Sct. Lam. S/P, Slt. Shly, Frac     |                          |
| 35 | 3592-3593 | 2.81 | 0.3 | 10.0 | 51.9 | 2.0  | 0   | Dolo, Lam. Shly                          |                          |

ROTARY ENGINEERS LABORATORIES

CONVENTIONAL (PLUG) CORE ANALYSIS TABULAR DATA Page (2)

| SAMPLE NUMBER | DEPTH         | GRAIN DENSITY | PLUG PERM M.D. | POROSITY | FLUIDS S <sub>w</sub>                          | FLUIDS S <sub>o</sub>   | FLO. | REMARKS                        |
|---------------|---------------|---------------|----------------|----------|------------------------------------------------|-------------------------|------|--------------------------------|
| 36            | 3593-3594     | 2.77          | 0.1            | 5.5      | 73.7                                           | 0.0                     | 0    | Dolo, Lam. Shl                 |
| 37            | 3594-3595     | 2.80          | <.1            | 2.9      | 65.5                                           | 0.0                     | 0    | Dolo, Lam. Shl                 |
|               | 3595-3598     | No Analysis   |                | (Dolo,   | Sct. S/P,                                      | No Show)                |      |                                |
|               | 3598-3602     | No Analysis   |                | (Dolo,   | Sct. S/P, Frac,                                | Trace of Show)          |      |                                |
|               | 3602-3606     | No Analysis   |                | (Dolo,   | Sli. Shly, Sct. S/P,                           | No Show)                |      |                                |
|               | 3606-3607     | No Analysis   |                | (Dolo,   | Sct. S/P,                                      | No Show)                |      |                                |
|               | 3607-3608     | No Analysis   |                | (Dolo,   | Sct. S/P, Frac,                                | Trace of Show)          |      |                                |
|               | 3608-3609     | No Analysis   |                | (Dolo,   | Sct. S/P,                                      | No Show)                |      |                                |
|               | 3609-3613     | No Analysis   |                | (Dolo,   | Sli. Shly, Sct. S/P,                           | Frac, Trace of show)    |      |                                |
|               | 3613-3618     | No Analysis   |                | (Dolo,   | Sli. Shly, Sct. S/P,                           | No Show)                |      |                                |
|               | 3618-3622     | No Analysis   |                | (Dolo,   | Sct. S/P, Frac,                                | Trace of Show)          |      |                                |
|               | 3622-3625     | No Analysis   |                | (Dolo,   | Sli. Shly, Sct. S/P,                           | No Show)                |      |                                |
|               | 3625-3627     | No Analysis   |                | (Dolo,   | Sli. Shly, Sct. S/P,                           | Frac, Trace of show)    |      |                                |
|               | 3627-3630     | No Analysis   |                | (Dolo,   | Silty, Sct. S/P,                               | Tr. Vug, Frac, No Show) |      |                                |
| 38            | 3630-3631     | 2.71          | 0.1            | 8.6      | 20.4                                           | 11.3                    | 50   | Brn. Snd, Sli. Shly, S/P       |
|               | 3631-3633.2   | No Analysis   |                | (Shale,  | Sli. Sndy,                                     | No Show)                |      |                                |
|               | 3633.2-3637   | No Analysis   |                | (Dolo,   | Silty, Sct. S/P,                               | Frac, Trace of Show)    |      |                                |
|               | 3637-3638.3   | No Analysis   |                | (Dolo,   | Sndy, Shly,                                    | No Show)                |      |                                |
|               | 3638.3-3639.7 | No Analysis   |                | (Shale,  | Sndy,                                          | No Show)                |      |                                |
|               | 3639.7-3642   | No Analysis   |                | (Dolo,   | Shly, Vert. Frac,                              | Sct. S/P, No Show)      |      |                                |
| 39            | 3642-3643     | 2.72          | 0.2            | 10.3     | 58.0                                           | 11.2                    | 40   | Sand, Shly, Dolo to Tar Snd    |
| 40            | -44           | 2.72          | 0.6            | 13.4     | 50.2                                           | 11.2                    | 40   | Tan Sand to Silty              |
| 41            | 3644-3645     | 2.76          | <.1            | 10.6     | 49.8                                           | 0.0                     | 0    | Gray Sand                      |
| 42            | -46           | 2.73          | <.1            | 10.5     | 63.0                                           | TR                      | 25   | Tan Sand to Shly               |
| 43            | -47           | 2.71          | 0.2            | 11.6     | 70.8                                           | TR                      | 50   | Tan Sand to Shly               |
| 44            | -47.5         | 2.72          | 0.1            | 11.9     | 73.9                                           | TR                      | 30   | Gr. Snd, Sli. Silty            |
|               | 3647.5-3649   | No Analysis   |                | (Shale,  | Sli. Sndy,                                     | No Show)                |      |                                |
| 45            | 3649-3650     | 2.78          | <.1            | 11.3     | 65.5                                           | 0.0                     | 0    | Sand, Shly                     |
| 46            | -51           | 2.77          | <.1            | 10.2     | 61.4                                           | 0.0                     | 0    | Sand, Shly                     |
| 47            | -52           | 2.79          | <.1            | 8.6      | 60.1                                           | 0.0                     | 0    | Sand, Shly                     |
| 48            | -53           | 2.78          | <.1            | 8.8      | 63.6                                           | 0.0                     | 0    | Sand, Shly                     |
|               | 3653-3654.2   | No Analysis   |                | (Shale,  | Sli. Sndy,                                     | No Show)                |      |                                |
|               | 3654.2-3655   | No Analysis   |                | (Dolo,   | Shaly, Sct. S/P,                               | No Show)                |      |                                |
|               | 3655-3656.7   | No Analysis   |                | (Shale,  | Sli. Sndy,                                     | No Show)                |      |                                |
| 49            | 3656.7-3658   | 2.82          | <.1            | 12.4     | 60.0                                           | 0.0                     | 0    | Gr. Sand, Sli. Silty           |
| 50            | -59           | 2.73          | <.1            | 7.7      | 82.5                                           | 0.0                     | 0    | Gr. Sand, Sli. Silty, Sct. S/P |
|               | 3659-3662.1   | No Analysis   |                | (Shale,  | Silty, Dolo, Sct. S/P,                         | No Show)                |      |                                |
|               | 3662.1-3663   | No Analysis   |                | (Dolo,   | Sct. S/P,                                      | No Show)                |      |                                |
|               | 3663-3667     | No Analysis   |                | (Dolo,   | Sct. S/P, Frac. Sct. Pyr., Styl, Tr. in Frac.) |                         |      |                                |
|               | 3667-3667.5   | No Analysis   |                | (Dolo,   | Silty, Sct. S/P,                               | Frac, Tr. in Frac.)     |      |                                |
| 51            | 3667.5-3668.3 | 2.71          | 0.3            | 10.9     | 70.6                                           | 7.1                     | 30   | Tan Sand, Sli. Shly, Frac      |
| 52            | -69           | 2.73          | 0.2            | 12.8     | 69.1                                           | TR                      | 60   | Gr. to Brn. Snd                |
| 53            | 3669-3670     | 2.71          | 0.2            | 10.3     | 64.0                                           | TR                      | TR   | Gr. to Brn Snd, Sct. S/P       |
| 54            | -71           | 2.72          | 0.2            | 11.9     | 74.3                                           | TR                      | 50   | Gr. Snd, Sli. Shly             |
| 55            | -72           | 2.69          | 0.2            | 13.5     | 65.3                                           | 11.1                    | 60   | Gr. Snd, Shly                  |
| 56            | 3672-3673     | 2.76          | <.1            | 12.6     | 59.6                                           | 0.0                     | 0    | Gr. Snd, Sli. Shly             |