



02358028

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 1

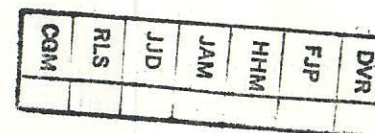
CHAMPLIN PETROLEUM COMPANY
 PURSLEY NO.2
 SORRENTO
 CHEYENNE COUNTY, COLORADO

DATE : 2-9-82
 FORMATION : LANSING KANSAS CITY
 DRLG. FLUID: WATER BASE MUD
 LOCATION : NW NW SEC 15-T14S-R49W

FILE NO : RP-2-6789
 ANALYSTS : BN,TR
 ELEVATION: 4400'GL

CONVENTIONAL CORE ANALYSIS - BOYLE'S LAW POROSITY

| SAMPLE NUMBER | DEPTH | PERM. TO MAXIMUM | AIR (MD) VERTICAL | POR. He | FLUID SATS. OIL WTR | GRAIN DEN | DESCRIPTION |
|------------------|-------------|---------------------|----------------------|------------|------------------------|--------------|-------------------------------|
| | 4572.0-84.0 | | | | | | NO ANALYSIS - DENSE DOLOMITE |
| | 4584.0-15.0 | | | | | | NO ANALYSIS - DENSE Limestone |
| 1 | 4615.0-16.0 | 0.05 | 0.07 | 1.7 | 0.0 36.1 | 2.73 | LM GY F-XLN VUGGY FOSSIL |
| 2 | 4616.0-17.0 | 5.50 | 1.10 | 18.1 | 0.0 65.0 | 2.75 | LM GY F-XLN VUGGY FOSSIL |
| 3 | 4617.0-18.0 | 22. | 12. | 23.9 | 0.0 72.4 | 2.73 | LM GY F-XLN VUGGY FOSSIL |
| 4 | 4618.0-19.0 | 103. | 8.90 | 16.4 | 0.0 73.7 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 5 | 4619.0-20.0 | 0.59 | 0.03 | 7.2 | 0.0 66.8 | 2.99 | LS GY F-XLN VUGGY FOSSIL |
| 6 | 4620.0-21.0 | 6.00 | 0.59 | 22.4 | 0.0 70.9 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 7 | 4621.0-22.0 | 6.20 | 22. | 18.9 | 3.2 55.2 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 8 | 4622.0-23.0 | 304. | 217. | 15.8 | 0.0 78.2 | 2.72 | LS GY F-XLN VUGGY FOSSIL |
| 9 | 4623.0-24.0 | 21. | 21. | 13.3 | 0.0 65.1 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 10 | 4624.0-25.0 | 19. | 8.40 | 11.4 | 0.0 75.5 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 11 | 4625.0-26.0 | 2.90 | 4.60 | 10.8 | 0.0 72.8 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 12 | 4626.0-27.0 | 0.93 | 1.00 | 9.4 | 0.0 51.2 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 13 | 4627.0-28.0 | 0.04 | 0.02 | 4.2 | 0.0 72.3 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 14 | 4628.0-29.0 | 129. | 149. | 16.7 | 0.0 72.7 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 15 | 4629.0-30.0 | 128. | 54. | 18.5 | 0.0 74.3 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| 16 | 4630.0-31.0 | 80. | 50. | 19.3 | 0.0 80.6 | 2.71 | LS GY F-XLN VUGGY FOSSIL |
| | 4631.0-32.0 | | | | | | LOST CORE |



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