

COMPANY: Arco Permian Company

WELL: Barclay Federal #4

FIELD: Livingston Ridge

COUNTY: Eddy

STATE: New Mexico

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|--|--|------------------|--|-----------------|--------------|---|
| COUNTY: Eddy Field: Livingston Ridge Location: 1980' FSL & 660' FEL Well: Barclay Federal #4 Company: Arco Permian Company | Schlumberger | | Platform Express | | | |
| | | | Three Detector Density Compensated Neutron / GR | | | |
| | 1980' FSL & 660' FEL | | Elev.: K.B. 3520 F | | | |
| | | | G.L. 3504 F | | | |
| | | | D.F. 3520.5 F | | | |
| LOCATION | Permanent Datum: <u>Ground Level</u> | | Elev.: <u>3504 F</u> | | | |
| | Log Measured From: <u>Kelly Bushing</u> | | 16.0 F above Perm. Datum | | | |
| | Drilling Measured From: <u>Kelly Bushing</u> | | | | | |
| | API Serial No. 30-015-29684 | | SECTION 12 | TOWNSHIP 23S | RANGE 31E | |
| LOGGING | Logging Date | | 1 May 1998 | | | |
| | Run Number | | One | | | |
| | Depth Driller | | 8450 F | | | |
| | Schlumberger Depth | | 8448 F | | | |
| | Bottom Log Interval | | 8448 F | | | |
| | Top Log Interval | | 200 F | | | |
| | Casing Driller Size @ Depth | | 8.625 IN @ 4420 F | | | |
| | Casing Schlumberger | | 4417 F | | | |
| | Bit Size | | 7.875 IN | | | |
| | Type Fluid In Hole | | S. Gel / Starch | | | |
| | Density | Viscosity | 9.3 LB/G | 35 S | | |
| | Fluid Loss | PH | 10 C3 | 9.5 | | |
| | Source Of Sample | | Circulation Tank | | | |
| | RM @ Measured Temperature | | 0.086 OHMM @ 82 DEGF | | @ | |
| | RMF @ Measured Temperature | | 0.064 CHMM @ 82 DEGF | | @ | |
| | RMC @ Measured Temperature | | @ | | @ | |
| | Source RMF | RMC | Calculated | | | |
| | RM @ MRT | RMF @ MRT | 0.059 @ 122 | 0.044 @ 122 | @ | @ |
| | Maximum Recorded Temperatures | | 122 DEGF | | | |
| | Circulation Stopped | Time | 1 May 1998 6:00 | | | |
| Logger On Bottom | Time | 1 May 1998 12:30 | | | | |
| Unit Number | Location | 3015 Roswell, NM | | | | |
| Recorded By | | Kevin Holub | | | | |
| Witnessed By | | Dewey Walker | | | | |