

| PROJECT NO. 33410.1.1                                      |            | ID. B-4044             |       | FED. NO. BRZ-1515(2)               |                | CO. Burke                 |    | FIELD SUPERV. D. Hardister |    |           |     |                           |   |
|--|------------|------------------------|-------|------------------------------------|----------------|---------------------------|----|----------------------------|----|-----------|-----|---------------------------|---|
| SITE DESCRIPTION Bridge No. 4 over Smokey Creek on SR 1515 |            |                        |       |                                    |                |                           |    | GROUND WATER (ft)          |    |           |     |                           |   |
| BORING NO. B2-A  |            | BORING LOCATION 17+45  |       | OFFSET 11' LT                      |                | ALIGNMENT -L-             |    | 0 HR. N/M                  |    |           |     |                           |   |
| COLLAR ELEV. 1011.9 ft                                     |            | TOTAL DEPTH 22.1 ft    |       | NORTHING 755960.42                 |                | EASTING 1227530.28        |    | 24 HR. 2.6                 |    |           |     |                           |   |
| DRILL MACHINE CME 550x                                     |            | DRILL METHOD Rotary/HQ |       | HAMMER TYPE Automatic              |                | FINAL CASING DEPTH 6.5 ft |    |                            |    |           |     |                           |   |
| DATE STARTED 2/9/05  |            | COMPLETED 2/9/05       |       | DRILLING FLUID DENSITY Creek Water |                | SURFACE WATER DEPTH N/A   |    |                            |    |           |     |                           |   |
| ELEV. (ft)   | DEPTH (ft) | BLOW COUNT             |       |                                    | BLOWS PER FOOT |                           |    |                            |    | SAMP. NO. | LOG | SOIL AND ROCK DESCRIPTION |   |
|  |            | 0.5ft                  | 0.5ft | 0.5ft                              | 0              | 20                        | 40 | 60                         | 80 |           |     |                           | 100   |
| 1011.9   | 0.00       |                        |       |                                    |                |                           |    |                            |    |           |     |                           | Ground Surface Elev. 1011.9 ft  |
| 1010   | 3.5        | WOH                    | WOH   | WOH                                |                |                           |    |                            |    |           |     |                           | Alluvial-Very Loose Orange-Brown Micaceous Silty Fine SAND (A-2-4)  |
| 1005   | 6.5        | 60/0                   |       |                                    |                |                           |    |                            |    |           |     |                           | Crystalline Rock-Grey-Black and Grey-Black-White Slightly and Very Slightly Weathered Hard and Very Hard Biotite Gneiss and Metamorphosed Granite with Moderately Close and Wide Fracture Spacing |
| 995  |            |                        |       |                                    |                |                           |    |                            |    |           |     |                           |   |
| 990  |            |                        |       |                                    |                |                           |    |                            |    |           |     |                           | Coring Terminated at Elev. 989.8ft in Crystalline Rock (Biotite Gneiss & Metamorphosed Granite)   |

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|--|------------|------------------------|----------------------|------------------------------------|---------|---------------------------|----------|----------------------------|--|
| SITE DESCRIPTION Bridge No. 4 over Smokey Creek on SR 1515 |            |                        |                      |                                    |         |                           |          | GROUND WATER (ft)          |  |
| BORING NO. B2-A  |            | BORING LOCATION 17+45  |                      | OFFSET 11' LT                      |         | ALIGNMENT -L-             |          | 0 HR. N/M                  |  |
| COLLAR ELEV. 1011.9 ft                                     |            | TOTAL DEPTH 22.1 ft    |                      | NORTHING 755960.42                 |         | EASTING 1227530.28        |          | 24 HR. 2.6                 |  |
| DRILL MACHINE CME 550x                                     |            | DRILL METHOD Rotary/HQ |                      | HAMMER TYPE Automatic              |         | FINAL CASING DEPTH 6.5 ft |          |                            |  |
| DATE STARTED 2/9/05  |            | COMPLETED 2/9/05       |                      | DRILLING FLUID DENSITY Creek Water |         | SURFACE WATER DEPTH N/A   |          |                            |  |
| CORE SIZE HQ   |            | TOTAL RUN 15.6 ft      |                      | DRILLER D. Harris                  |         |                           |          |                            |  |
| ELEV. (ft)   | DEPTH (ft) | RUN (ft)               | DRILL RATE (Min./ft) | RUN                                |         | SAMP. NO.                 | STRATA   |                            | DESCRIPTION AND REMARKS  |
|  |            |                        |                      | REC. (%)                           | RQD (%) |                           | REC. (%) | RQD (%)                    |  |
| 1005.4   |            |                        |                      |                                    |         |                           |          |                            | Begin Coring @ 1005.40 ft  |
| 1005.4   | 6.5        | 0.6                    | 4.47/0.6             | (0.6)                              | (0.6)   |                           | 15.6     | 15.5                       | Crystalline Rock-Grey-Black and Grey-Black-White Slightly and Very Slightly Weathered Hard and Very Hard Biotite Gneiss and Metamorphosed Granite with Moderately Close and Wide Fracture Spacing<br><br>4 Jts @ 0-10'<br>2 Jts @ 10-20' |
| 1004.8   | 7.1        | 5.0                    | 7.01                 | 100%                               | 100%    |                           |          |                            |  |
|  |            |                        | 6:25                 |                                    |         | RS-3                      |          |                            |  |
|  |            |                        | 8:49                 |                                    |         |                           |          |                            |  |
|  |            |                        | 7:50                 |                                    |         |                           |          |                            |  |
|  |            |                        | 6:42                 |                                    |         |                           |          |                            |  |
| 999.8  | 12.1       |                        |                      |                                    |         |                           |          |                            |  |
| 999.8  | 12.1       | 5.0                    | 5:57                 | (5.0)                              | (5.0)   |                           |          |                            |  |
|  |            |                        | 3:56                 |                                    |         |                           |          |                            |  |
|  |            |                        | 5:11                 |                                    |         |                           |          |                            |  |
|  |            |                        | 5:38                 |                                    |         |                           |          |                            |  |
|  |            |                        | 7:14                 |                                    |         |                           |          |                            |  |
| 994.8  | 17.1       |                        |                      |                                    |         |                           |          |                            |  |
| 994.8  | 17.1       | 5.0                    | 8:17                 | (5.0)                              | (4.9)   |                           |          |                            |  |
|  |            |                        | 7:48                 |                                    |         |                           |          |                            |  |
|  |            |                        | 11:23                |                                    |         |                           |          |                            |  |
|  |            |                        | 18:05                |                                    |         |                           |          |                            |  |
|  |            |                        | 16:36                |                                    |         |                           |          |                            |  |
| 989.8  | 22.1       |                        |                      |                                    |         |                           |          |                            | Coring Terminated at Elev. 989.8ft in Crystalline Rock (Biotite Gneiss & Metamorphosed Granite)  |

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