

CC 32-33-75

*

* SCHLUMBERGER *

HIGH RESOLUTION
DIPMETER

CLUSTER LISTING

REICHOLD ENERGY CORP.

MIST

COLUMBIA, OREGON

COLUMBIA COUNTY 32-33

RUN NO. ONE JOB NO. 6614

CLUSTER RESULTS ONLY

4 FT. CORR. - 2 FT. STEP

30 DEG. X2 SEARCH ANGLE

*

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RUN NO. ONE JOB NO. 6614

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4 FT. CORR. - 2 FT. STEP

30 DEG. X2 SEARCH ANGLE

| FORMATION | | | BOREHOLE | | | | QUAL. |
|-----------|-----|----------|----------|-----------|----------|----------|---------|
| DEPTH | DIP | DIP AZI. | DEV. | DEV. AZI. | DIAM 1-3 | DIAM 2-4 | BEST =A |

| | | | | | | | | | |
|---|-------|------|-----|-----|-----|-----|-----|---|---|
| * | 498.0 | 8.0 | 5 | 0.0 | 0 | 9.3 | 8.7 | B | * |
| * | 500.0 | 8.3 | 42 | 0.0 | 0 | 9.1 | 8.3 | D | * |
| * | 502.0 | 10.9 | 70 | 0.0 | 0 | 8.9 | 7.9 | D | * |
| * | 504.0 | 10.5 | 70 | 0.0 | 0 | 8.6 | 7.7 | D | * |
| * | 506.0 | | | 0.0 | 0 | 8.3 | 7.6 | | * |
| * | 508.0 | | | 0.0 | 0 | 7.8 | 7.3 | | * |
| * | 510.0 | | | 0.0 | 0 | 6.9 | 6.8 | | * |
| * | 512.0 | | | 0.0 | 0 | 6.5 | 6.5 | | * |
| * | 514.0 | 9.3 | 342 | 0.0 | 0 | 6.4 | 6.4 | B | * |
| * | 516.0 | 8.0 | 350 | 0.0 | 0 | 6.4 | 6.4 | B | * |
| * | 518.0 | 7.4 | 15 | 0.0 | 0 | 6.4 | 6.4 | B | * |
| * | 520.0 | 7.6 | 16 | 0.0 | 0 | 6.4 | 6.3 | D | * |
| * | 522.0 | | | 0.0 | 0 | 6.4 | 6.4 | | * |
| * | 524.0 | | | 0.0 | 0 | 6.4 | 6.4 | | * |
| * | 526.0 | 4.5 | 6 | 0.0 | 0 | 6.4 | 6.4 | D | * |
| * | 528.0 | 8.0 | 12 | 0.0 | 0 | 6.3 | 6.3 | B | * |
| * | 530.0 | | | 0.0 | 0 | 6.3 | 6.4 | | * |
| * | 532.0 | | | 0.0 | 0 | 6.3 | 6.4 | | * |
| * | 534.0 | 12.4 | 28 | 0.0 | 0 | 6.3 | 6.4 | B | * |
| * | 536.0 | 12.0 | 24 | 0.0 | 0 | 6.3 | 6.4 | B | * |
| * | 538.0 | | | 0.0 | 0 | 6.3 | 6.3 | | * |
| * | 540.0 | | | 0.0 | 0 | 6.2 | 6.3 | | * |
| * | 542.0 | 5.8 | 71 | 0.0 | 0 | 6.2 | 6.3 | B | * |
| * | 544.0 | | | 0.0 | 0 | 6.3 | 6.3 | | * |
| * | 546.0 | 11.4 | 48 | 0.0 | 0 | 6.3 | 6.4 | D | * |
| * | 548.0 | 17.8 | 29 | 0.0 | 0 | 6.3 | 6.4 | D | * |
| * | 550.0 | | | 0.0 | 0 | 6.3 | 6.4 | | * |
| * | 552.0 | | | 0.0 | 0 | 6.3 | 6.4 | | * |
| * | 554.0 | | | 0.0 | 0 | 6.3 | 6.4 | | * |
| * | 556.0 | 26.1 | 4 | 0.1 | 102 | 6.3 | 6.3 | D | * |
| * | 558.0 | 23.7 | 357 | 0.2 | 100 | 6.3 | 6.3 | D | * |
| * | 560.0 | | | 0.2 | 96 | 6.3 | 6.3 | | * |
| * | 562.0 | | | 0.3 | 94 | 6.3 | 6.3 | | * |
| * | 564.0 | | | 0.3 | 93 | 6.2 | 6.2 | | * |
| * | 566.0 | | | 0.3 | 94 | 6.3 | 6.3 | | * |
| * | 568.0 | | | 0.4 | 98 | 6.3 | 6.3 | | * |
| * | 570.0 | 17.8 | 44 | 0.4 | 102 | 6.4 | 6.4 | D | * |
| * | 572.0 | | | 0.5 | 101 | 6.4 | 6.4 | | * |
| * | 574.0 | | | 0.5 | 98 | 6.4 | 6.4 | | * |
| * | 576.0 | | | 0.5 | 96 | 6.4 | 6.4 | | * |

| * FORMATION * | | * BOREHOLE * | | | | * QUAL. * | | |
|---------------|---------|--------------|----------|---------------|--------------|--------------|-------------|-----------|
| * DEPTH * | * DIP * | * DIP AZI. * | * DEV. * | * DEV. AZI. * | * DIAM 1-3 * | * DIAM 2-4 * | * BEST =A * | * INDEX * |

| | | | | | | | | |
|---------|------|-----|-----|----|-----|-----|---|---|
| * 578.0 | | | 0.5 | 96 | 6.4 | 6.4 | | * |
| * 580.0 | | | 0.5 | 93 | 6.5 | 6.5 | | * |
| * 582.0 | 13.5 | 47 | 0.5 | 90 | 6.5 | 6.5 | D | * |
| * 584.0 | 10.8 | 12 | 0.6 | 91 | 6.5 | 6.4 | D | * |
| * 586.0 | 12.6 | 39 | 0.6 | 92 | 6.5 | 6.4 | B | * |
| * 588.0 | 12.9 | 35 | 0.6 | 92 | 6.5 | 6.4 | B | * |
| * 590.0 | | | 0.6 | 93 | 6.5 | 6.4 | | * |
| * 592.0 | | | 0.6 | 93 | 6.5 | 6.4 | | * |
| * 594.0 | | | 0.6 | 92 | 6.5 | 6.4 | | * |
| * 596.0 | | | 0.6 | 89 | 6.6 | 6.4 | | * |
| * 598.0 | | | 0.5 | 86 | 6.8 | 6.5 | | * |
| * 600.0 | | | 0.5 | 84 | 7.0 | 6.6 | | * |
| * 602.0 | | | 0.5 | 83 | 6.9 | 6.6 | | * |
| * 604.0 | | | 0.5 | 84 | 6.6 | 6.5 | | * |
| * 606.0 | | | 0.6 | 89 | 6.5 | 6.4 | | * |
| * 608.0 | | | 0.6 | 91 | 6.5 | 6.4 | | * |
| * 610.0 | 8.9 | 360 | 0.6 | 93 | 6.5 | 6.4 | A | * |
| * 612.0 | 8.0 | 7 | 0.6 | 94 | 6.5 | 6.4 | A | * |
| * 614.0 | 6.7 | 13 | 0.6 | 93 | 6.5 | 6.4 | A | * |
| * 616.0 | 7.1 | 20 | 0.5 | 94 | 6.5 | 6.4 | A | * |
| * 618.0 | 8.1 | 3 | 0.6 | 93 | 6.5 | 6.5 | A | * |
| * 620.0 | 8.5 | 357 | 0.6 | 91 | 6.4 | 6.5 | A | * |
| * 622.0 | 6.9 | 31 | 0.6 | 91 | 6.4 | 6.4 | A | * |
| * 624.0 | 6.0 | 42 | 0.6 | 92 | 6.4 | 6.4 | A | * |
| * 626.0 | 9.3 | 8 | 0.6 | 93 | 6.4 | 6.4 | A | * |
| * 628.0 | 9.0 | 3 | 0.6 | 93 | 6.4 | 6.4 | A | * |
| * 630.0 | 4.2 | 10 | 0.6 | 95 | 6.4 | 6.4 | A | * |
| * 632.0 | 6.4 | 33 | 0.5 | 96 | 6.5 | 6.4 | A | * |
| * 634.0 | 8.1 | 35 | 0.5 | 96 | 6.5 | 6.4 | A | * |
| * 636.0 | 8.9 | 41 | 0.4 | 96 | 6.5 | 6.4 | A | * |
| * 638.0 | 8.0 | 41 | 0.3 | 97 | 6.5 | 6.4 | A | * |
| * 640.0 | 7.6 | 39 | 0.3 | 98 | 6.5 | 6.4 | A | * |
| * 642.0 | 9.5 | 42 | 0.3 | 98 | 6.5 | 6.4 | A | * |
| * 644.0 | 9.2 | 43 | 0.2 | 97 | 6.5 | 6.4 | A | * |
| * 646.0 | 6.4 | 42 | 0.3 | 96 | 6.5 | 6.4 | A | * |
| * 648.0 | 6.1 | 35 | 0.3 | 96 | 6.5 | 6.4 | A | * |
| * 650.0 | 8.8 | 17 | 0.3 | 95 | 6.5 | 6.4 | C | * |
| * 652.0 | 7.7 | 100 | 0.3 | 93 | 6.5 | 6.4 | A | * |
| * 654.0 | 6.0 | 42 | 0.3 | 91 | 6.5 | 6.4 | A | * |
| * 656.0 | 6.7 | 43 | 0.3 | 90 | 6.5 | 6.4 | A | * |

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*          *      FORMATION          *          BOREHOLE          *      QUAL.  *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH   *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM   * BEST  *
*          *       AZI. *       AZI.   1-3   2-4   * =A    *
*****
*
* 658.0    6.4    59    0.4    90    6.4    6.5    A    *
* 660.0    4.8    81    0.5    91    6.5    6.5    A    *
* 662.0    3.9    97    0.5    90    6.5    6.4    A    *
* 664.0    8.6    28    0.5    90    6.5    6.4    A    *
* 666.0    7.6    38    0.5    92    6.5    6.4    A    *
* 668.0    6.1    49    0.5    93    6.5    6.5    A    *
* 670.0    6.9    27    0.5    93    6.5    6.5    A    *
* 672.0   11.1    16    0.5    95    6.5    6.5    A    *
* 674.0   10.6    20    0.5    97    6.5    6.5    A    *
* 676.0   10.0    21    0.5    98    6.5    6.5    A    *
* 678.0   11.1    13    0.5    96    6.5    6.5    A    *
* 680.0    4.6    13    0.5    96    6.4    6.5    D    *
* 682.0    0.5    96    6.4    6.5    *
* 684.0   12.8   356   0.5    97    6.4    6.5    D    *
* 686.0   17.7   360   0.5    98    6.4    6.4    D    *
* 688.0    0.5    99    6.4    6.4    *
* 690.0   11.4    7    0.5    99    6.5    6.5    B    *
* 692.0    9.8    17    0.5    99    6.5    6.5    B    *
* 694.0    5.8    18    0.4   100    6.5    6.5    D    *
* 696.0   10.1    22    0.5   100    6.5    6.5    B    *
* 698.0   10.6    18    0.5   101    6.5    6.5    B    *
* 700.0   16.5    82    0.5   102    6.5    6.5    B    *
* 702.0   14.5    45    0.5   104    6.5    6.4    D    *
* 704.0   14.2    20    0.4   104    6.6    6.5    D    *
* 706.0    9.1    13    0.4   101    6.6    6.6    C    *
* 708.0    9.6    23    0.4   100    6.5    6.6    C    *
* 710.0   11.5    24    0.5   100    6.5    6.5    A    *
* 712.0   11.4    25    0.4   101    6.5    6.5    A    *
* 714.0    5.8    17    0.4   103    6.5    6.5    A    *
* 716.0    4.4    4    0.4   106    6.5    6.5    C    *
* 718.0   12.9   340   0.3   107    6.5    6.5    C    *
* 720.0   16.5   357   0.3   107    6.5    6.5    C    *
* 722.0    9.8    9    0.3   105    6.5    6.5    A    *
* 724.0    9.5    9    0.3   103    6.5    6.5    A    *
* 726.0    0.3   103    6.5    6.5    *
* 728.0   14.5   357   0.3   104    6.5    6.5    C    *
* 730.0   12.4    8    0.4   107    6.5    6.5    A    *
* 732.0    7.5   354   0.4   109    6.5    6.6    A    *
* 734.0    4.6   343   0.4   109    6.6    6.6    A    *
* 736.0    0.4   106    6.6    6.7    *
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| FORMATION | | | BOREHOLE | | | | QUAL. |
|-----------|------|------|----------|------|------|------|-------|
| -----* | | | | | | | |
| DEPTH | DIP | DIP | DEV. | DEV. | DIAM | DIAM | BEST |
| | | AZI. | | AZI. | 1-3 | 2-4 | =A |
| ***** | | | | | | | |
| * 738.0 | 9.3 | 320 | 0.5 | 102 | 6.6 | 6.6 | C |
| * 740.0 | 3.5 | 277 | 0.5 | 103 | 6.6 | 6.5 | C |
| * 742.0 | 3.5 | 76 | 0.6 | 106 | 6.6 | 6.5 | A |
| * 744.0 | 1.9 | 43 | 0.6 | 106 | 6.5 | 6.5 | A |
| * 746.0 | 3.3 | 5 | 0.6 | 103 | 6.5 | 6.5 | A |
| * 748.0 | 4.9 | 333 | 0.6 | 103 | 6.5 | 6.5 | A |
| * 750.0 | 1.2 | 7 | 0.6 | 104 | 6.5 | 6.5 | A |
| * 752.0 | 1.6 | 280 | 0.6 | 103 | 6.4 | 6.5 | A |
| * 754.0 | 2.0 | 316 | 0.6 | 103 | 6.4 | 6.5 | A |
| * 756.0 | 2.1 | 56 | 0.6 | 104 | 6.5 | 6.5 | A |
| * 758.0 | 5.1 | 54 | 0.6 | 105 | 6.5 | 6.5 | A |
| * 760.0 | 4.8 | 45 | 0.6 | 104 | 6.5 | 6.4 | A |
| * 762.0 | 3.8 | 349 | 0.6 | 105 | 6.5 | 6.4 | A |
| * 764.0 | 3.3 | 345 | 0.6 | 103 | 6.5 | 6.5 | A |
| * 766.0 | 4.0 | 359 | 0.6 | 100 | 6.6 | 6.5 | A |
| * 768.0 | 4.0 | 3 | 0.6 | 100 | 6.6 | 6.6 | A |
| * 770.0 | 2.6 | 12 | 0.6 | 100 | 6.6 | 6.6 | A |
| * 772.0 | 2.1 | 2 | 0.6 | 99 | 6.6 | 6.5 | A |
| * 774.0 | 4.7 | 40 | 0.6 | 99 | 6.6 | 6.5 | A |
| * 776.0 | 7.1 | 66 | 0.6 | 98 | 6.5 | 6.5 | B |
| * 778.0 | 11.9 | 101 | 0.6 | 98 | 6.5 | 6.5 | D |
| * 780.0 | 11.5 | 106 | 0.6 | 98 | 6.5 | 6.5 | D |
| * 782.0 | 8.1 | 256 | 0.6 | 97 | 6.5 | 6.5 | D |
| * 784.0 | 8.1 | 258 | 0.6 | 94 | 6.5 | 6.5 | D |
| * 786.0 | 4.0 | 353 | 0.6 | 93 | 6.4 | 6.5 | B |
| * 788.0 | 5.3 | 329 | 0.6 | 93 | 6.4 | 6.5 | D |
| * 790.0 | 1.1 | 210 | 0.6 | 93 | 6.4 | 6.4 | B |
| * 792.0 | 1.7 | 17 | 0.6 | 91 | 6.4 | 6.4 | B |
| * 794.0 | 2.1 | 10 | 0.6 | 89 | 6.5 | 6.5 | B |
| * 796.0 | | | 0.6 | 88 | 6.5 | 6.5 | |
| * 798.0 | 5.6 | 259 | 0.5 | 88 | 6.6 | 6.5 | D |
| * 800.0 | 7.5 | 308 | 0.5 | 87 | 6.5 | 6.5 | B |
| * 802.0 | 7.8 | 304 | 0.5 | 83 | 6.5 | 6.5 | A |
| * 804.0 | 14.1 | 58 | 0.5 | 81 | 6.5 | 6.5 | A |
| * 806.0 | 18.1 | 27 | 0.5 | 78 | 6.5 | 6.5 | C |
| * 808.0 | 9.8 | 22 | 0.5 | 74 | 6.5 | 6.5 | A |
| * 810.0 | 3.9 | 17 | 0.5 | 72 | 6.5 | 6.5 | A |
| * 812.0 | 3.2 | 344 | 0.4 | 70 | 6.5 | 6.5 | A |
| * 814.0 | 13.5 | 332 | 0.4 | 68 | 6.5 | 6.5 | A |
| * 816.0 | 9.9 | 22 | 0.4 | 66 | 6.5 | 6.5 | A |

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*****
*          *      FORMATION      *          *      BOREHOLE      *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH   *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM   * BEST *
*          *       AZI. *       AZI.   1-3   2-4   * =A *
*****
*
* 818.0    10.0    54      0.3    63      6.5    6.5    A *
* 820.0     5.6   275     0.3    61      6.5    6.5    A *
* 822.0    11.1     2      0.3    59      6.5    6.5    D *
* 824.0    11.1   340     0.2    57      6.5    6.5    D *
* 826.0     7.9   339     0.3    57      6.5    6.6    D *
* 828.0     0.3    58      0.3    58      6.5    6.6    *
* 830.0     0.3    58      0.3    58      6.5    6.6    *
* 832.0     0.3    57      0.3    57      6.6    6.6    *
* 834.0     5.9   337     0.2    57      6.6    6.6    D *
* 836.0     0.2    57      0.2    57      6.5    6.5    *
* 838.0     8.9   321     0.1    56      6.5    6.5    D *
* 840.0     0.0     0      0.0     0      6.4    6.5    *
* 842.0     0.0     0      0.0     0      6.4    6.5    *
* 844.0     5.9   357     0.0     0      6.5    6.5    C *
* 846.0     8.0     9      0.0     0      6.5    6.5    A *
* 848.0     7.4    21      0.0     0      6.5    6.5    A *
* 850.0     4.3   348     0.0     0      6.4    6.5    A *
* 852.0    12.4   333     0.0     0      6.4    6.5    C *
* 854.0     0.0     0      0.0     0      6.5    6.5    *
* 856.0     0.0     0      0.0     0      6.5    6.5    *
* 858.0     5.6    24      0.0     0      6.5    6.5    A *
* 860.0     7.1   324     0.0     0      6.4    6.5    C *
* 862.0     6.2   317     0.0     0      6.4    6.5    C *
* 864.0    10.5    21      0.0     0      6.5    6.6    A *
* 866.0    15.9    14      0.0     0      6.4    6.6    A *
* 868.0    14.2     7      0.0     0      6.4    6.5    A *
* 870.0    17.9   360     0.0     0      6.4    6.4    C *
* 872.0    12.1   355     0.0     0      6.4    6.4    A *
* 874.0    12.0   355     0.0     0      6.4    6.4    A *
* 876.0    12.9     2      0.1   112     6.4    6.4    A *
* 878.0    21.6    23      0.2   116     6.5    6.4    C *
* 880.0     0.2   118     0.2   118     6.5    6.4    *
* 882.0     0.2   117     0.2   117     6.5    6.4    *
* 884.0    14.6   312     0.3   114     6.5    6.4    D *
* 886.0     0.4   111     0.4   111     6.5    6.4    *
* 888.0     0.4   108     0.4   108     6.4    6.4    *
* 890.0     0.5   106     0.5   106     6.4    6.4    *
* 892.0     0.6   107     0.6   107     6.4    6.4    *
* 894.0     0.6   104     0.6   104     6.3    6.4    *
* 896.0     0.6   100     0.6   100     6.3    6.3    *
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*          *   FORMATION   *           BOREHOLE           * QUAL. *
*          *-----*-----*-----*-----*-----* INDEX *
* DEPTH  *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *   *   AZI. *   *   *   *   *   *   *   *   *
*****
*
* 898.0   5.1   316   0.6   100   6.3   6.4   D *
* 900.0   6.2   290   0.6   97   6.3   6.4   B *
* 902.0   9.4   308   0.6   91   6.4   6.4   A *
* 904.0  10.6   305   0.5   87   6.4   6.4   A *
* 906.0   6.4   333   0.5   80   6.3   6.4   A *
* 908.0   7.1   322   0.4   77   6.3   6.3   A *
* 910.0   9.9   348   0.3   73   6.3   6.3   A *
* 912.0  14.0   323   0.3   66   6.3   6.2   C *
* 914.0  11.7   288   0.2   58   6.2   6.2   C *
* 916.0  12.6   347   0.1   58   6.2   6.3   C *
* 918.0   9.4   358   0.1   57   6.3   6.3   C *
* 920.0   4.3    7   0.0    0   6.4   6.4   C *
* 922.0   3.5   268   0.0    0   6.6   6.6   B *
* 924.0   0.6   323   0.0    0   6.6   6.7   D *
* 926.0   0.0    0   0.0    0   6.6   6.7   *
* 928.0   0.0    0   0.0    0   6.6   6.6   *
* 930.0   0.0    0   0.0    0   6.5   6.6   *
* 932.0   0.0    0   0.0    0   6.5   6.6   *
* 934.0   0.0    0   0.0    0   6.6   6.6   *
* 936.0   0.0    0   0.0    0   6.7   6.6   *
* 938.0   0.0    0   0.0    0   6.7   6.6   *
* 940.0   0.0    0   0.0    0   6.7   6.6   *
* 942.0   0.0    0   0.0    0   6.8   6.6   *
* 944.0   0.0    0   0.0    0   6.7   6.6   *
* 946.0   0.0    0   0.0    0   6.7   6.6   *
* 948.0   0.0    0   0.0    0   6.8   6.7   *
* 950.0   0.0    0   0.0    0   6.8   6.7   *
* 952.0   0.0    0   0.0    0   6.8   6.6   *
* 954.0   0.0    0   0.0    0   6.8   6.6   *
* 956.0   0.0    0   0.0    0   6.7   6.5   *
* 958.0   0.0    0   0.0    0   6.7   6.5   *
* 960.0   0.0    0   0.0    0   6.7   6.5   *
* 962.0   0.0    0   0.0    0   6.7   6.5   *
* 964.0   0.0    0   0.0    0   6.7   6.5   *
* 966.0   0.0    0   0.0    0   6.8   6.4   *
* 968.0   0.0    0   0.0    0   6.8   6.5   *
* 970.0  49.1   225   0.0    0   6.9   6.5   D *
* 972.0   0.0    0   0.0    0   7.0   6.4   *
* 974.0   0.0    0   0.0    0   7.1   6.4   *
* 976.0  51.4   230   0.0    0   7.1   6.4   D *
*****

```



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*****
*          *      FORMATION          *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH  *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *      AZI. *      AZI.   1-3   2-4 * =A *
*****
*
* 978.0   50.9   231   0.0   0   7.3   6.4   D *
* 980.0   50.4   229   0.0   0   7.3   6.5   D *
* 982.0   *      *   0.0   0   7.4   6.5   *
* 984.0   *      *   0.0   0   7.5   6.5   *
* 986.0   *      *   0.0   0   7.5   6.4   *
* 988.0   *      *   0.0   0   7.5   6.3   *
* 990.0   *      *   0.0   0   7.4   6.2   *
* 992.0   *      *   0.0   0   7.5   6.2   *
* 994.0   *      *   0.0   0   7.7   6.2   *
* 996.0   *      *   0.1   44  7.8   6.3   *
* 998.0   *      *   0.2   44  8.0   6.3   *
* 1000.0  *      *   0.3   46  7.9   6.3   *
* 1002.0  *      *   0.4   47  7.9   6.4   *
* 1004.0  *      *   0.5   47  7.9   6.3   *
* 1006.0  *      *   0.6   48  7.9   6.3   *
* 1008.0  *      *   0.8   48  8.1   6.3   *
* 1010.0  *      *   0.9   47  8.1   6.3   *
* 1012.0  *      *   1.0   47  7.9   6.4   *
* 1014.0  50.2   202   1.1   48  7.8   6.4   B *
* 1016.0  *      *   1.3   49  7.8   6.4   *
* 1018.0  *      *   1.4   48  8.0   6.4   *
* 1020.0  21.4   211   1.5   49  8.0   6.4   B *
* 1022.0  19.0   261   1.6   49  8.0   6.3   C *
* 1024.0  21.2   256   1.8   49  8.1   6.3   A *
* 1026.0  20.8   253   1.9   49  8.3   6.4   A *
* 1028.0  20.2   263   2.1   54  8.3   6.4   A *
* 1030.0  27.6   255   2.2   60  8.3   6.4   C *
* 1032.0  34.2   253   2.3   63  8.3   6.5   A *
* 1034.0  32.3   256   2.5   69  8.2   6.5   C *
* 1036.0  33.5   253   2.6   69  8.2   6.4   C *
* 1038.0  30.8   244   2.7   66  8.2   6.4   C *
* 1040.0  32.0   243   2.8   66  8.2   6.4   A *
* 1042.0  30.9   245   2.9   64  8.1   6.5   A *
* 1044.0  28.7   246   3.0   59  8.0   6.4   A *
* 1046.0  28.2   245   3.2   57  7.9   6.4   A *
* 1048.0  26.8   242   3.3   55  7.9   6.4   A *
* 1050.0  27.2   245   3.4   53  7.9   6.4   C *
* 1052.0  27.3   246   3.5   53  7.9   6.4   A *
* 1054.0  29.5   244   3.7   52  7.9   6.4   C *
* 1056.0  30.5   244   3.8   52  7.9   6.4   A *
*****

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| * FORMATION * | | * BOREHOLE * | | * QUAL. * | | | | |
|---------------|---------|--------------|----------|---------------|--------------|--------------|-------------|-----------|
| *-----* | | | | | | | | |
| * DEPTH * | * DIP * | * DIP AZI. * | * DEV. * | * DEV. AZI. * | * DIAM 1-3 * | * DIAM 2-4 * | * BEST =A * | * INDEX * |

| | | | | | | | | |
|----------|------|-----|-----|----|-----|-----|---|---|
| * 1058.0 | | | 3.9 | 51 | 8.0 | 6.4 | | * |
| * 1060.0 | 29.0 | 228 | 4.1 | 51 | 8.0 | 6.4 | C | * |
| * 1062.0 | 31.3 | 234 | 4.2 | 51 | 7.9 | 6.4 | C | * |
| * 1064.0 | 32.0 | 240 | 4.3 | 51 | 7.9 | 6.4 | C | * |
| * 1066.0 | 32.8 | 240 | 4.4 | 49 | 7.8 | 6.4 | C | * |
| * 1068.0 | | | 4.5 | 55 | 7.8 | 6.4 | | * |
| * 1070.0 | 33.7 | 233 | 4.7 | 67 | 7.7 | 6.4 | A | * |
| * 1072.0 | 32.5 | 232 | 4.8 | 65 | 7.5 | 6.3 | A | * |
| * 1074.0 | 31.1 | 224 | 4.9 | 61 | 7.4 | 6.3 | A | * |
| * 1076.0 | 34.5 | 224 | 5.0 | 63 | 7.3 | 6.3 | A | * |
| * 1078.0 | 37.2 | 225 | 5.2 | 65 | 7.3 | 6.4 | B | * |
| * 1080.0 | 38.9 | 231 | 5.3 | 65 | 7.4 | 6.4 | D | * |
| * 1082.0 | | | 5.4 | 61 | 7.4 | 6.5 | | * |
| * 1084.0 | | | 5.5 | 61 | 7.4 | 6.5 | | * |
| * 1086.0 | | | 5.6 | 59 | 7.3 | 6.4 | | * |
| * 1088.0 | | | 5.7 | 60 | 7.3 | 6.4 | | * |
| * 1090.0 | | | 5.8 | 58 | 7.3 | 6.5 | | * |
| * 1092.0 | 41.2 | 243 | 5.9 | 59 | 7.3 | 6.5 | B | * |
| * 1094.0 | 40.8 | 243 | 6.0 | 61 | 7.4 | 6.5 | B | * |
| * 1096.0 | | | 6.1 | 55 | 7.3 | 6.5 | | * |
| * 1098.0 | | | 6.3 | 53 | 7.3 | 6.6 | | * |
| * 1100.0 | | | 6.3 | 62 | 7.2 | 6.6 | | * |
| * 1102.0 | | | 6.4 | 71 | 7.2 | 6.6 | | * |
| * 1104.0 | | | 6.5 | 70 | 7.0 | 6.6 | | * |
| * 1106.0 | 11.9 | 185 | 6.6 | 68 | 6.9 | 6.6 | A | * |
| * 1108.0 | 8.6 | 183 | 6.7 | 68 | 6.8 | 6.6 | C | * |
| * 1110.0 | 5.8 | 181 | 6.7 | 62 | 6.7 | 6.5 | A | * |
| * 1112.0 | 6.6 | 180 | 6.8 | 57 | 6.7 | 6.5 | A | * |
| * 1114.0 | 4.7 | 177 | 6.8 | 55 | 6.6 | 6.5 | A | * |
| * 1116.0 | 4.9 | 173 | 6.8 | 51 | 6.5 | 6.5 | A | * |
| * 1118.0 | 2.6 | 179 | 6.8 | 51 | 6.4 | 6.5 | C | * |
| * 1120.0 | 2.4 | 178 | 6.8 | 52 | 6.4 | 6.5 | A | * |
| * 1122.0 | 2.6 | 183 | 6.8 | 53 | 6.5 | 6.5 | A | * |
| * 1124.0 | 1.6 | 188 | 6.8 | 55 | 6.5 | 6.5 | A | * |
| * 1126.0 | 0.6 | 146 | 6.9 | 54 | 6.5 | 6.6 | A | * |
| * 1128.0 | 1.8 | 84 | 6.9 | 54 | 6.6 | 6.6 | A | * |
| * 1130.0 | 1.2 | 164 | 7.0 | 57 | 6.6 | 6.5 | A | * |
| * 1132.0 | 1.4 | 234 | 7.0 | 59 | 6.7 | 6.6 | A | * |
| * 1134.0 | 1.1 | 321 | 7.0 | 54 | 6.9 | 6.7 | A | * |
| * 1136.0 | 2.2 | 319 | 7.0 | 53 | 7.1 | 6.9 | A | * |

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*****
*          *      FORMATION          *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH   *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM   * BEST   *
*          *       AZI. *       AZI.   1-3   2-4   * =A    *
*****
*
* 1218.0   8.0    179    10.0   51    7.9    6.5    A    *
* 1220.0  12.2   192    10.0   51    7.8    6.5    C    *
* 1222.0  12.4   185    10.1   45    7.6    6.5    C    *
* 1224.0  21.3   176    10.2   38    7.2    6.5    A    *
* 1226.0  12.3   199    10.3   41    6.6    6.5    A    *
* 1228.0  10.5   208    10.3   47    6.4    6.6    A    *
* 1230.0   8.4   220    10.5   53    6.4    6.6    A    *
* 1232.0   8.3   223    10.6   56    6.3    6.6    A    *
* 1234.0   8.0   224    10.7   55    6.3    6.6    A    *
* 1236.0   7.5   222    10.7   55    6.4    6.6    A    *
* 1238.0   9.6   218    10.8   57    6.4    6.6    A    *
* 1240.0  10.2   225    10.8   57    6.4    6.5    A    *
* 1242.0   7.6   236    10.9   57    6.4    6.5    A    *
* 1244.0   7.1   237    10.9   57    6.3    6.4    A    *
* 1246.0   6.5   233    11.0   54    6.3    6.5    A    *
* 1248.0   5.8   237    11.0   54    6.4    6.4    A    *
* 1250.0   6.2   251    11.1   56    6.3    6.4    A    *
* 1252.0   6.3   252    11.1   55    6.4    6.6    A    *
* 1254.0   7.4   240    11.1   54    6.4    6.6    A    *
* 1256.0   7.8   241    11.1   55    6.3    6.5    A    *
* 1258.0   8.8   264    11.1   56    6.3    6.5    A    *
* 1260.0   9.4   284    11.2   58    6.4    6.5    A    *
* 1262.0   9.5   273    11.2   59    6.4    6.5    A    *
* 1264.0   8.1   251    11.2   57    6.3    6.4    A    *
* 1266.0   6.2   266    11.2   57    6.4    6.5    A    *
* 1268.0   3.4   241    11.2   55    6.3    6.5    C    *
* 1270.0   4.8   251    11.2   54    6.3    6.4    A    *
* 1272.0   5.6   254    11.2   55    6.3    6.4    A    *
* 1274.0   6.2   259    11.2   60    6.3    6.4    A    *
* 1276.0   5.7   255    11.2   61    6.3    6.5    A    *
* 1278.0   6.1   247    11.2   56    6.3    6.6    A    *
* 1280.0   6.8   251    11.2   54    6.2    6.5    A    *
* 1282.0   7.3   262    11.1   56    6.2    6.4    A    *
* 1284.0   8.0   260    11.1   57    6.3    6.5    A    *
* 1286.0   7.5   252    11.1   58    6.4    6.6    A    *
* 1288.0   7.1   246    11.1   57    6.4    6.6    A    *
* 1290.0   6.7   245    11.1   56    6.4    6.6    A    *
* 1292.0   7.0   247    11.1   56    6.3    6.5    A    *
* 1294.0   7.5   250    11.2   58    6.3    6.4    A    *
* 1296.0   7.4   255    11.2   60    6.4    6.5    A    *
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*****
*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*-----*          * INDEX *
* DEPTH *   DIP   DIP   * DEV.   DEV.   DIAM   DIAM * BEST *
*          *     * AZI. *     * AZI.   1-3   2-4 * =A *
*****
*
* 1298.0   9.3    257   11.1   61    6.5    6.6    A *
* 1300.0  10.9   250   11.1   59    6.5    6.6    A *
* 1302.0  11.7   245   11.1   56    6.4    6.5    A *
* 1304.0  10.6   256   11.2   57    6.5    6.6    A *
* 1306.0   6.9   264   11.2   58    6.5    6.7    C *
* 1308.0   7.1   276   11.2   55    6.4    6.7    A *
* 1310.0   5.8   304   11.2   53    6.4    6.5    C *
* 1312.0   6.7   307   11.2   55    6.5    6.5    C *
* 1314.0   7.0   290   11.2   55    6.5    6.6    A *
* 1316.0   6.7   286   11.3   56    6.4    6.4    A *
* 1318.0   6.7   291   11.3   61    6.4    6.3    A *
* 1320.0   9.0   277   11.3   60    6.5    6.6    A *
* 1322.0   8.1   281   11.3   57    6.5    6.7    A *
* 1324.0   8.7   291   11.3   59    6.6    6.8    A *
* 1326.0   9.6   294   11.3   60    6.7    6.8    A *
* 1328.0   9.2   284   11.3   61    6.7    6.9    A *
* 1330.0   8.9   284   11.3   60    6.7    6.9    A *
* 1332.0   8.6   283   11.3   59    6.8    6.9    A *
* 1334.0   9.1   287   11.3   61    6.8    6.8    A *
* 1336.0   9.5   289   11.3   63    6.7    6.8    A *
* 1338.0   9.6   279   11.4   61    6.7    6.8    A *
* 1340.0   9.6   286   11.4   60    6.7    6.9    A *
* 1342.0   9.0   281   11.5   58    6.6    6.9    A *
* 1344.0   9.2   280   11.5   59    6.5    6.8    A *
* 1346.0   9.6   281   11.5   60    6.5    6.7    A *
* 1348.0   9.8   276   11.5   60    6.5    6.7    A *
* 1350.0   9.1   269   11.5   59    6.5    6.6    A *
* 1352.0   6.2   268   11.5   56    6.5    6.6    A *
* 1354.0   6.3   289   11.5   57    6.5    6.6    A *
* 1356.0   7.7   292   11.6   60    6.5    6.7    A *
* 1358.0   7.0   288   11.6   61    6.5    6.8    A *
* 1360.0   8.2   286   11.6   61    6.5    6.8    A *
* 1362.0   8.5   284   11.6   62    6.5    6.8    A *
* 1364.0   8.6   278   11.6   59    6.5    6.8    A *
* 1366.0   8.6   275   11.6   58    6.5    6.8    A *
* 1368.0   7.9   276   11.6   59    6.5    6.8    A *
* 1370.0   8.1   275   11.6   59    6.5    6.8    A *
* 1372.0   8.1   275   11.6   58    6.5    6.8    A *
* 1374.0  11.7   200   11.7   56    6.5    6.7    B *
* 1376.0   8.8   318   11.7   56    6.5    6.5    A *
*****

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*****
*          *      FORMATION      *          BOREHOLE          * QUAL. *
*          *-----*-----*          *          * INDEX *
* DEPTH  *  DIP    DIP    *  DEV.  DEV.  DIAM  DIAM  * BEST *
*          *      AZI.  *      AZI.  1-3  2-4  * =A  *
*****
*
* 1458.0   36.0   342   12.5   58   6.5   6.6   D   *
* 1460.0   44.5   346   12.5   57   6.5   6.6   B   *
* 1462.0   41.9   347   12.5   58   6.5   6.8   B   *
* 1464.0           12.5   59   6.6   6.8   *
* 1466.0           12.5   62   6.6   6.5   *
* 1468.0           12.5   64   6.5   6.4   *
* 1470.0   40.6   206   12.5   59   6.4   6.4   B   *
* 1472.0   39.8   202   12.5   52   6.5   6.4   B   *
* 1474.0           12.5   55   6.5   6.5   *
* 1476.0   17.8     2   12.5   57   6.5   6.5   D   *
* 1478.0    7.9   339   12.5   60   6.5   6.6   D   *
* 1480.0           12.5   60   6.5   6.6   *
* 1482.0           12.6   57   6.5   6.6   *
* 1484.0           12.6   57   6.4   6.6   *
* 1486.0    7.7   342   12.6   58   6.4   6.6   B   *
* 1488.0   10.1   341   12.6   58   6.4   6.5   B   *
* 1490.0   17.9   338   12.6   58   6.6   6.3   A   *
* 1492.0   18.5   339   12.6   56   6.7   6.2   A   *
* 1494.0   21.3   327   12.6   55   6.6   6.4   A   *
* 1496.0   22.9   323   12.6   59   6.5   6.6   A   *
* 1498.0   22.5   333   12.6   63   6.5   6.7   A   *
* 1500.0   26.0   339   12.6   62   6.5   6.7   B   *
* 1502.0   20.2   332   12.6   59   6.5   6.8   D   *
* 1504.0   11.3    58   12.6   57   6.6   6.8   D   *
* 1506.0   10.7    39   12.6   59   6.6   6.8   D   *
* 1508.0           12.6   59   6.5   6.8   *
* 1510.0   19.1   360   12.6   59   6.5   6.8   A   *
* 1512.0   17.7   356   12.7   60   6.6   6.8   C   *
* 1514.0           12.7   59   6.6   6.8   *
* 1516.0           12.7   57   6.6   6.8   *
* 1518.0    9.9    12   12.8   58   6.6   6.7   C   *
* 1520.0    8.2   350   12.8   59   6.5   6.6   A   *
* 1522.0   13.3   355   12.8   60   6.5   6.5   A   *
* 1524.0   16.5   353   12.8   60   6.6   6.6   A   *
* 1526.0   20.6   360   12.8   59   6.6   6.7   C   *
* 1528.0   29.1   354   12.8   57   6.5   6.7   C   *
* 1530.0   24.9   342   12.8   57   6.6   6.7   A   *
* 1532.0   22.2   335   12.8   59   6.6   6.7   A   *
* 1534.0   22.1   333   12.8   59   6.6   6.7   A   *
* 1536.0   18.7   314   12.8   60   6.5   6.7   A   *
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*****
*          *      FORMATION      *          BOREHOLE          * QUAL. *
*          *-----*-----*          *          * INDEX *
* DEPTH  *  DIP    DIP    *  DEV.  DEV.  DIAM    DIAM * BEST *
*          *      AZI.  *      AZI.  1-3    2-4 * =A  *
*****
*
* 1538.0  21.3    313    * 12.8  61    6.4    6.6    A *
* 1540.0  27.0    315    * 12.8  60    6.4    6.7    A *
* 1542.0          * 12.8  59    6.4    6.8    *
* 1544.0          * 12.8  58    6.4    6.8    *
* 1546.0  31.9    310    * 12.9  58    6.4    6.7    C *
* 1548.0          * 12.9  60    6.4    6.6    *
* 1550.0          * 12.9  62    6.4    6.5    *
* 1552.0          * 12.9  59    6.4    6.5    *
* 1554.0          * 12.9  57    6.4    6.6    *
* 1556.0          * 12.9  59    6.5    6.6    *
* 1558.0          * 12.9  62    6.5    6.7    *
* 1560.0  32.4    215    * 12.9  60    6.5    6.7    D *
* 1562.0  30.8    214    * 12.8  60    6.4    6.6    D *
* 1564.0          * 12.8  60    6.5    6.6    *
* 1566.0          * 12.9  60    6.4    6.6    *
* 1568.0          * 12.9  60    6.3    6.5    *
* 1570.0          * 12.9  55    6.3    6.4    *
* 1572.0          * 12.9  53    6.3    6.4    *
* 1574.0          * 13.0  55    6.4    6.4    *
* 1576.0          * 13.0  55    6.4    6.4    *
* 1578.0          * 13.0  57    6.5    6.4    *
* 1580.0          * 13.0  59    6.5    6.5    *
* 1582.0          * 13.0  61    6.5    6.5    *
* 1584.0  33.1    227    * 13.0  57    6.4    6.3    B *
* 1586.0          * 13.0  50    6.3    6.1    *
* 1588.0          * 13.0  54    6.5    6.2    *
* 1590.0          * 13.0  61    6.5    6.2    *
* 1592.0          * 13.0  60    6.5    6.1    *
* 1594.0          * 13.0  64    6.5    6.2    *
* 1596.0          * 13.0  61    6.5    6.2    *
* 1598.0          * 13.0  52    6.3    6.1    *
* 1600.0          * 13.0  52    6.2    6.2    *
* 1602.0          * 13.0  52    6.4    6.5    *
* 1604.0          * 13.0  54    6.6    6.6    *
* 1606.0          * 13.1  59    6.5    6.5    *
* 1608.0  36.8    265    * 13.1  59    6.3    6.5    B *
* 1610.0  31.0    260    * 13.1  58    6.2    6.5    B *
* 1612.0   5.2    276    * 13.1  61    6.1    6.3    D *
* 1614.0          * 13.1  60    6.1    6.2    *
* 1616.0          * 13.1  54    6.1    6.2    *
*****

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| FORMATION | | | BOREHOLE | | | | QUAL. |
|-----------|-----|----------|----------|-----------|----------|----------|---------|
| DEPTH | DIP | DIP AZI. | DEV. | DEV. AZI. | DIAM 1-3 | DIAM 2-4 | BEST =A |

| | | | | | | | |
|----------|------|-----|------|----|-----|-----|---|
| * 1618.0 | 8.0 | 250 | 13.2 | 53 | 6.2 | 6.3 | B |
| * 1620.0 | 6.6 | 251 | 13.2 | 55 | 6.3 | 6.4 | B |
| * 1622.0 | 5.3 | 232 | 13.2 | 56 | 6.4 | 6.4 | B |
| * 1624.0 | | | 13.2 | 57 | 6.4 | 6.4 | |
| * 1626.0 | 27.2 | 250 | 13.2 | 60 | 6.4 | 6.3 | D |
| * 1628.0 | 13.1 | 316 | 13.3 | 60 | 6.4 | 6.3 | D |
| * 1630.0 | 19.1 | 338 | 13.3 | 61 | 6.4 | 6.3 | B |
| * 1632.0 | 17.0 | 342 | 13.3 | 58 | 6.3 | 6.2 | B |
| * 1634.0 | | | 13.3 | 58 | 6.3 | 6.3 | |
| * 1636.0 | | | 13.3 | 59 | 6.4 | 6.4 | |
| * 1638.0 | | | 13.3 | 55 | 6.4 | 6.3 | |
| * 1640.0 | | | 13.3 | 55 | 6.4 | 6.4 | |
| * 1642.0 | | | 13.3 | 57 | 6.4 | 6.4 | |
| * 1644.0 | | | 13.3 | 56 | 6.4 | 6.4 | |
| * 1646.0 | 11.0 | 352 | 13.3 | 58 | 6.4 | 6.3 | B |
| * 1648.0 | 6.8 | 327 | 13.3 | 59 | 6.4 | 6.4 | B |
| * 1650.0 | 5.7 | 308 | 13.3 | 57 | 6.4 | 6.4 | D |
| * 1652.0 | 7.4 | 296 | 13.4 | 58 | 6.4 | 6.4 | D |
| * 1654.0 | | | 13.4 | 59 | 6.4 | 6.4 | |
| * 1656.0 | | | 13.4 | 59 | 6.4 | 6.4 | |
| * 1658.0 | | | 13.4 | 59 | 6.4 | 6.4 | |
| * 1660.0 | | | 13.5 | 59 | 6.4 | 6.4 | |
| * 1662.0 | | | 13.5 | 60 | 6.4 | 6.4 | |
| * 1664.0 | | | 13.5 | 60 | 6.4 | 6.4 | |
| * 1666.0 | | | 13.5 | 58 | 6.4 | 6.4 | |
| * 1668.0 | 8.3 | 231 | 13.6 | 58 | 6.4 | 6.4 | B |
| * 1670.0 | 7.9 | 243 | 13.6 | 59 | 6.4 | 6.4 | B |
| * 1672.0 | 4.5 | 228 | 13.6 | 59 | 6.4 | 6.4 | B |
| * 1674.0 | 15.2 | 230 | 13.6 | 59 | 6.4 | 6.4 | D |
| * 1676.0 | 3.0 | 199 | 13.6 | 59 | 6.4 | 6.4 | D |
| * 1678.0 | | | 13.6 | 58 | 6.4 | 6.4 | |
| * 1680.0 | 6.4 | 230 | 13.6 | 57 | 6.4 | 6.4 | B |
| * 1682.0 | 4.5 | 251 | 13.6 | 57 | 6.4 | 6.4 | D |
| * 1684.0 | 4.9 | 161 | 13.6 | 58 | 6.4 | 6.4 | D |
| * 1686.0 | | | 13.6 | 59 | 6.4 | 6.4 | |
| * 1688.0 | 10.8 | 234 | 13.6 | 60 | 6.4 | 6.4 | D |
| * 1690.0 | 15.3 | 224 | 13.6 | 60 | 6.4 | 6.4 | D |
| * 1692.0 | 9.8 | 247 | 13.6 | 59 | 6.4 | 6.4 | D |
| * 1694.0 | 9.5 | 252 | 13.6 | 59 | 6.4 | 6.4 | B |
| * 1696.0 | 15.2 | 267 | 13.6 | 60 | 6.4 | 6.4 | D |

| * FORMATION * | | * BOREHOLE * | | * QUAL. * | | | |
|---------------|-------|--------------|--------|-----------|------|------|----------|
| *-----* | | *-----* | | * INDEX * | | | |
| * DEPTH * | * DIP | DIP | * DEV. | DEV. | DIAM | DIAM | * BEST * |
| | | AZI. | | AZI. | 1-3 | 2-4 | * =A * |

| | | | | | | | |
|----------|------|-----|------|----|-----|-----|---|
| * 1698.0 | 7.9 | 242 | 13.6 | 60 | 6.4 | 6.4 | B |
| * 1700.0 | 10.7 | 253 | 13.6 | 60 | 6.4 | 6.4 | D |
| * 1702.0 | 14.5 | 243 | 13.6 | 60 | 6.4 | 6.4 | D |
| * 1704.0 | | | 13.6 | 60 | 6.4 | 6.4 | |
| * 1706.0 | | | 13.6 | 60 | 6.4 | 6.4 | |
| * 1708.0 | 9.4 | 241 | 13.6 | 60 | 6.4 | 6.4 | A |
| * 1710.0 | 9.3 | 237 | 13.6 | 60 | 6.4 | 6.4 | A |
| * 1712.0 | 8.6 | 231 | 13.7 | 61 | 6.4 | 6.4 | A |
| * 1714.0 | 7.0 | 242 | 13.7 | 61 | 6.4 | 6.4 | A |
| * 1716.0 | 9.1 | 287 | 13.7 | 61 | 6.4 | 6.4 | A |
| * 1718.0 | 8.4 | 251 | 13.7 | 61 | 6.4 | 6.4 | A |
| * 1720.0 | 8.4 | 243 | 13.7 | 61 | 6.4 | 6.4 | A |
| * 1722.0 | 8.7 | 223 | 13.7 | 61 | 6.4 | 6.4 | A |
| * 1724.0 | 8.6 | 223 | 13.6 | 61 | 6.4 | 6.4 | A |
| * 1726.0 | 8.4 | 231 | 13.6 | 61 | 6.4 | 6.5 | A |
| * 1728.0 | 7.4 | 242 | 13.6 | 60 | 6.4 | 6.5 | A |
| * 1730.0 | 7.1 | 247 | 13.6 | 61 | 6.4 | 6.5 | A |
| * 1732.0 | 8.2 | 236 | 13.6 | 61 | 6.4 | 6.5 | A |
| * 1734.0 | 8.4 | 240 | 13.5 | 60 | 6.4 | 6.5 | A |
| * 1736.0 | 7.9 | 240 | 13.5 | 60 | 6.4 | 6.4 | A |
| * 1738.0 | 7.6 | 240 | 13.5 | 61 | 6.4 | 6.4 | A |
| * 1740.0 | 8.1 | 242 | 13.4 | 62 | 6.4 | 6.4 | A |
| * 1742.0 | 10.4 | 258 | 13.3 | 61 | 6.4 | 6.4 | B |
| * 1744.0 | | | 13.3 | 59 | 6.4 | 6.4 | |
| * 1746.0 | | | 13.3 | 59 | 6.4 | 6.4 | |
| * 1748.0 | | | 13.2 | 62 | 6.4 | 6.5 | |
| * 1750.0 | | | 13.2 | 63 | 6.4 | 6.4 | |
| * 1752.0 | 10.5 | 216 | 13.2 | 63 | 6.4 | 6.3 | D |
| * 1754.0 | 6.6 | 257 | 13.2 | 63 | 6.4 | 6.4 | B |
| * 1756.0 | 7.5 | 252 | 13.1 | 63 | 6.4 | 6.5 | B |
| * 1758.0 | 9.2 | 234 | 13.0 | 63 | 6.4 | 6.4 | B |
| * 1760.0 | 12.8 | 252 | 13.0 | 63 | 6.4 | 6.4 | D |
| * 1762.0 | | | 12.9 | 62 | 6.4 | 6.3 | |
| * 1764.0 | 8.2 | 255 | 12.9 | 62 | 6.4 | 6.3 | A |
| * 1766.0 | 8.4 | 258 | 12.9 | 62 | 6.4 | 6.3 | A |
| * 1768.0 | 9.1 | 260 | 12.8 | 62 | 6.4 | 6.4 | A |
| * 1770.0 | 9.2 | 261 | 12.7 | 62 | 6.4 | 6.4 | A |
| * 1772.0 | 9.4 | 249 | 12.7 | 62 | 6.4 | 6.4 | A |
| * 1774.0 | 8.9 | 303 | 12.6 | 63 | 6.4 | 6.4 | A |
| * 1776.0 | 11.4 | 297 | 12.6 | 63 | 6.4 | 6.4 | A |

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*          * FORMATION *          * BOREHOLE *          * QUAL. *
*          *-----*          *-----*          * INDEX *
* DEPTH  *  DIP    DIP  *  DEV.  DEV.  DIAM  DIAM  * BEST  *
*          *      AZI. *      AZI.  1-3  2-4  * =A   *
*****
*
* 1778.0  14.3    298    12.6   63   6.4   6.4   A
* 1780.0  18.8    242    12.5   64   6.4   6.3   C
* 1782.0  13.5    290    12.5   63   6.4   6.3   A
* 1784.0          291    12.5   62   6.4   6.3
* 1786.0   8.9    291    12.4   63   6.4   6.3
* 1788.0   9.1    294    12.4   63   6.4   6.3
* 1790.0          253    12.3   63   6.4   6.4
* 1792.0  11.2    253    12.3   64   6.4   6.4
* 1794.0  12.4    250    12.2   64   6.4   6.4
* 1796.0  14.7    253    12.2   63   6.4   6.4
* 1798.0  13.2    245    12.1   62   6.4   6.4
* 1800.0  12.6    243    12.1   61   6.4   6.3
* 1802.0  11.4    249    12.0   61   6.4   6.3
* 1804.0  11.2    250    12.0   62   6.4   6.2
* 1806.0  12.3    252    11.9   63   6.4   6.2
* 1808.0  13.4    265    11.8   64   6.4   6.3
* 1810.0  13.0    267    11.8   64   6.4   6.3
* 1812.0  14.3    263    11.8   64   6.4   6.3
* 1814.0  14.0    257    11.8   63   6.4   6.3
* 1816.0  12.0    275    11.7   64   6.4   6.3
* 1818.0  12.1    301    11.7   64   6.5   6.3
* 1820.0          64   6.5   6.3
* 1822.0          64   6.4   6.1
* 1824.0          63   6.4   6.1
* 1826.0  13.2    257    11.6   62   6.5   6.3
* 1828.0  13.2    259    11.5   62   6.5   6.4
* 1830.0  14.9    247    11.5   63   6.5   6.4
* 1832.0  15.2    246    11.5   64   6.5   6.4
* 1834.0  21.1    333    11.5   63   6.5   6.4
* 1836.0  23.0    331    11.4   63   6.5   6.4
* 1838.0  19.7    339    11.4   63   6.5   6.4
* 1840.0  12.9    307    11.3   63   6.5   6.4
* 1842.0  15.6    308    11.3   63   6.5   6.4
* 1844.0  15.7    306    11.2   63   6.5   6.4
* 1846.0  10.2    294    11.2   62   6.5   6.4
* 1848.0  10.5    295    11.2   62   6.6   6.3
* 1850.0  10.8    302    11.1   63   6.6   6.4
* 1852.0   9.9    322    11.1   65   6.5   6.4
* 1854.0  10.8    338    11.0   65   6.5   6.4
* 1856.0  11.7    344    10.9   64   6.5   6.4
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*          *   FORMATION   *           BOREHOLE           *   QUAL.   *
*          *-----*-----*-----*-----*-----*-----*-----*-----*
*   DEPTH  *   DIP    DIP    *   DEV.   DEV.   DIAM   DIAM   *   BEST   *
*          *          AZI.  *          AZI.   1-3   2-4   *   =A    *
*****
*
*   1858.0   11.9    356      10.8    66      6.5    6.4    A    *
*   1860.0   12.2      3      10.8    66      6.6    6.4    A    *
*   1862.0   13.9      6      10.8    65      6.6    6.4    A    *
*   1864.0   13.2    350      10.7    65      6.6    6.3    A    *
*   1866.0      10.7    67      6.5    6.3    *
*   1868.0      10.7    67      6.5    6.3    *
*   1870.0   10.3    340      10.7    67      6.5    6.3    A    *
*   1872.0   10.0    337      10.7    67      6.5    6.3    A    *
*   1874.0   11.2    336      10.6    67      6.5    6.3    A    *
*   1876.0   13.6    335      10.6    66      6.5    6.3    A    *
*   1878.0   16.5    333      10.5    66      6.5    6.3    A    *
*   1880.0   20.8    340      10.5    66      6.5    6.3    B    *
*   1882.0   14.1    329      10.5    66      6.5    6.3    B    *
*   1884.0   11.9    286      10.5    67      6.5    6.3    D    *
*   1886.0    8.4    281      10.4    67      6.5    6.3    D    *
*   1888.0    8.6    282      10.4    67      6.5    6.3    D    *
*   1890.0   25.4    346      10.4    68      6.5    6.4    D    *
*   1892.0   18.3    301      10.4    70      6.5    6.4    A    *
*   1894.0   17.2    300      10.3    69      6.4    6.3    A    *
*   1896.0   14.0    299      10.3    68      6.3    6.3    A    *
*   1898.0   14.2    302      10.3    68      6.1    6.2    A    *
*   1900.0   15.4    312      10.2    69      5.8    5.9    D    *
*   1902.0      10.1    74      5.9    5.9    *
*   1904.0      10.0    75      6.3    6.1    *
*   1906.0      9.9    65      6.4    6.2    *
*   1908.0      9.8    63      6.4    6.2    *
*   1910.0      9.8    63      6.4    6.2    *
*   1912.0   14.0    270      9.8    59      6.4    6.4    B    *
*   1914.0   14.2    263      9.8    58      6.4    6.4    B    *
*   1916.0      9.9    58      6.5    6.4    *
*   1918.0      9.9    56      6.5    6.3    *
*   1920.0      9.9    58      6.5    6.2    *
*   1922.0      10.0    60      6.5    6.1    *
*   1924.0      10.0    61      6.4    6.1    *
*   1926.0   13.7    249      10.0    62      6.5    6.2    D    *
*   1928.0      10.0    60      6.5    6.4    *
*   1930.0      10.0    65      6.3    6.3    *
*   1932.0      10.0    75      6.1    6.4    *
*   1934.0   13.3    274      10.0    78      6.3    6.6    D    *
*   1936.0      9.9    75      6.4    6.6    *
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| FORMATION | | | BOREHOLE | | | | QUAL. |
|-----------|--------|------|----------|------|------|------|-------|
| ----- | | | ----- | | | | INDEX |
| DEPTH | DIP | DIP | DEV. | DEV. | DIAM | DIAM | BEST |
| | | AZI. | | AZI. | 1-3 | 2-4 | =A |
| * | 1938.0 | | 9.9 | 73 | 6.3 | 6.6 | * |
| * | 1940.0 | | 9.9 | 78 | 6.3 | 6.6 | * |
| * | 1942.0 | 13.0 | 277 | 9.8 | 81 | 6.4 | B * |
| * | 1944.0 | 14.1 | 266 | 9.8 | 75 | 6.4 | B * |
| * | 1946.0 | 24.0 | 312 | 9.8 | 75 | 6.5 | D * |
| * | 1948.0 | 23.1 | 318 | 9.8 | 75 | 6.5 | B * |
| * | 1950.0 | 22.2 | 323 | 9.8 | 71 | 6.5 | B * |
| * | 1952.0 | 23.8 | 330 | 9.8 | 72 | 6.6 | B * |
| * | 1954.0 | 18.6 | 331 | 9.7 | 76 | 6.6 | B * |
| * | 1956.0 | 13.2 | 357 | 9.7 | 76 | 6.6 | D * |
| * | 1958.0 | 12.8 | 360 | 9.6 | 74 | 6.6 | D * |
| * | 1960.0 | 10.0 | 340 | 9.6 | 72 | 6.6 | B * |
| * | 1962.0 | 9.0 | 343 | 9.5 | 70 | 6.5 | B * |
| * | 1964.0 | | | 9.5 | 68 | 6.4 | |
| * | 1966.0 | | | 9.4 | 69 | 6.4 | |
| * | 1968.0 | 17.8 | 22 | 9.4 | 67 | 6.4 | D * |
| * | 1970.0 | 16.3 | 12 | 9.4 | 65 | 6.4 | B * |
| * | 1972.0 | 18.8 | 12 | 9.4 | 67 | 6.5 | D * |
| * | 1974.0 | 19.7 | 4 | 9.4 | 67 | 6.5 | D * |
| * | 1976.0 | 2.2 | 305 | 9.4 | 67 | 6.5 | D * |
| * | 1978.0 | | | 9.3 | 69 | 6.5 | |
| * | 1980.0 | | | 9.3 | 69 | 6.5 | |
| * | 1982.0 | 5.9 | 125 | 9.3 | 69 | 6.5 | D * |
| * | 1984.0 | 4.7 | 95 | 9.2 | 70 | 6.5 | B * |
| * | 1986.0 | 4.5 | 224 | 9.2 | 71 | 6.5 | A * |
| * | 1988.0 | 3.8 | 224 | 9.2 | 70 | 6.4 | A * |
| * | 1990.0 | 4.4 | 191 | 9.2 | 69 | 6.4 | C * |
| * | 1992.0 | 4.1 | 238 | 9.1 | 69 | 6.3 | C * |
| * | 1994.0 | 5.6 | 27 | 9.1 | 69 | 6.3 | D * |
| * | 1996.0 | 3.4 | 57 | 9.1 | 69 | 6.4 | D * |
| * | 1998.0 | 4.4 | 62 | 9.1 | 69 | 6.4 | D * |
| * | 2000.0 | 6.7 | 17 | 9.0 | 68 | 6.4 | D * |
| * | 2002.0 | 5.6 | 10 | 9.0 | 68 | 6.4 | D * |
| * | 2004.0 | 7.9 | 65 | 8.9 | 68 | 6.4 | D * |
| * | 2006.0 | 17.6 | 158 | 8.9 | 67 | 6.4 | B * |
| * | 2008.0 | 21.2 | 152 | 8.8 | 62 | 6.4 | D * |
| * | 2010.0 | 22.9 | 156 | 8.8 | 59 | 6.4 | B * |
| * | 2012.0 | 24.2 | 163 | 8.7 | 62 | 6.4 | B * |
| * | 2014.0 | 17.1 | 135 | 8.7 | 65 | 6.5 | D * |
| * | 2016.0 | 14.7 | 188 | 8.6 | 67 | 6.5 | B * |

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*          *      FORMATION      *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*          *-----*      INDEX *
* DEPTH  *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *      AZI. *      AZI.   1-3   2-4 * =A *
*****
*
* 2018.0   13.8   177           8.6   69     6.4   6.5   A *
* 2020.0   12.4   181           8.6   70     6.4   6.5   A *
* 2022.0   16.0   196           8.6   69     6.3   6.4   A *
* 2024.0   16.8   194           8.5   68     6.3   6.4   A *
* 2026.0   10.6   190           8.5   68     6.4   6.4   C *
* 2028.0   10.7   196           8.5   68     6.4   6.5   A *
* 2030.0   14.2   182           8.5   67     6.4   6.6   A *
* 2032.0   14.2   166           8.5   67     6.4   6.6   C *
* 2034.0           8.4   66     6.3   6.5           *
* 2036.0           8.4   66     6.2   6.4           *
* 2038.0           8.4   68     6.2   6.4           *
* 2040.0   23.2   174           8.4   69     6.3   6.4   C *
* 2042.0   19.6   196           8.3   68     6.4   6.5   A *
* 2044.0   19.4   191           8.2   68     6.4   6.5   A *
* 2046.0   20.8   212           8.2   68     6.4   6.5   A *
* 2048.0   17.0   210           8.1   68     6.4   6.6   A *
* 2050.0   14.1   181           8.1   67     6.3   6.5   A *
* 2052.0   21.9   187           8.0   68     6.4   6.5   A *
* 2054.0   21.2   171           8.0   69     6.5   6.5   C *
* 2056.0   20.5   173           8.0   68     6.5   6.4   C *
* 2058.0   19.2   175           8.0   67     6.5   6.4   A *
* 2060.0   24.2   161           7.9   63     6.5   6.5   A *
* 2062.0   26.0   166           7.9   58     6.5   6.5   C *
* 2064.0   17.0   161           7.9   56     6.5   6.5   C *
* 2066.0   15.8   164           7.9   59     6.5   6.6   C *
* 2068.0   15.9   170           7.8   65     6.4   6.5   C *
* 2070.0   15.1   203           7.8   67     6.4   6.5   A *
* 2072.0   17.8   191           7.8   65     6.4   6.4   A *
* 2074.0   19.2   189           7.8   64     6.5   6.4   A *
* 2076.0   14.5   191           7.7   64     6.4   6.4   C *
* 2078.0   14.6   179           7.7   67     6.4   6.5   B *
* 2080.0   17.3   180           7.7   67     6.4   6.5   B *
* 2082.0   22.5   178           7.6   62     6.4   6.5   D *
* 2084.0           7.6   62     6.4   6.5           *
* 2086.0   11.8   173           7.6   64     6.4   6.5   D *
* 2088.0   11.2   172           7.6   64     6.4   6.5   D *
* 2090.0   16.9   193           7.5   64     6.5   6.5   D *
* 2092.0   29.4   193           7.5   63     6.5   6.6   D *
* 2094.0   26.5   194           7.5   63     6.5   6.7   D *
* 2096.0   22.5   186           7.5   65     6.5   6.6   D *
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*          *      FORMATION          *      BOREHOLE          *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH  *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *      AZI. *      AZI.   1-3   2-4 *  =A  *
*****
*
* 2098.0   36.3   228   7.4   63   6.5   6.6   D *
* 2100.0   16.1   216   7.4   60   6.5   6.7   D *
* 2102.0   15.1   219   7.3   59   6.5   6.8   D *
* 2104.0           7.2   56   6.5   6.8   *
* 2106.0   31.2   215   7.2   57   6.5   6.8   B *
* 2108.0   14.4   226   7.2   62   6.5   6.7   D *
* 2110.0   13.0   231   7.2   63   6.5   6.6   B *
* 2112.0   13.3   230   7.2   62   6.5   6.5   B *
* 2114.0   37.3   219   7.2   62   6.5   6.5   D *
* 2116.0   34.4   217   7.1   62   6.5   6.5   B *
* 2118.0   30.0   212   7.1   60   6.5   6.5   A *
* 2120.0   32.3   210   7.1   60   6.5   6.5   A *
* 2122.0   32.0   212   7.0   64   6.5   6.4   A *
* 2124.0   32.1   213   7.0   65   6.5   6.4   A *
* 2126.0   24.9   207   7.0   65   6.5   6.4   A *
* 2128.0   23.1   210   7.0   63   6.5   6.4   A *
* 2130.0   25.1   212   7.0   63   6.5   6.4   A *
* 2132.0   23.7   212   7.0   63   6.5   6.4   A *
* 2134.0   23.7   208   7.0   64   6.5   6.4   A *
* 2136.0   23.7   204   7.0   64   6.5   6.4   C *
* 2138.0           7.0   63   6.5   6.4   *
* 2140.0           6.9   61   6.5   6.4   *
* 2142.0   16.2   191   6.9   60   6.5   6.5   B *
* 2144.0   11.6   193   6.9   60   6.5   6.5   A *
* 2146.0    5.6   198   7.0   62   6.5   6.5   A *
* 2148.0    3.9   192   7.0   63   6.5   6.5   A *
* 2150.0    7.7   183   7.0   65   6.5   6.5   A *
* 2152.0           7.0   67   6.5   6.5   *
* 2154.0    8.0   290   7.0   68   6.4   6.5   B *
* 2156.0    9.4   293   7.0   71   6.4   6.5   B *
* 2158.0   17.9   300   7.0   72   6.4   6.5   B *
* 2160.0   14.3   324   7.0   71   6.5   6.5   D *
* 2162.0   30.0   228   7.0   69   6.5   6.6   D *
* 2164.0   21.3   273   7.0   68   6.5   6.6   D *
* 2166.0   29.7   217   7.0   61   6.6   6.6   B *
* 2168.0   34.3   223   7.0   59   6.6   6.6   B *
* 2170.0   35.6   225   7.0   57   6.6   6.7   B *
* 2172.0           7.0   53   6.7   6.7   *
* 2174.0   30.3   217   7.0   58   6.6   6.6   D *
* 2176.0   31.9   243   7.0   61   6.6   6.6   A *
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*****
*          *      FORMATION      *          BOREHOLE          *      QUAL. *
*          *-----*-----*          *          *      INDEX *
* DEPTH  *  DIP    DIP    *  DEV.  DEV.  DIAM  DIAM  *  BEST  *
*          *      AZI.  *      AZI.  1-3  2-4  *  =A    *
*****
*
* 2178.0  25.5    244    7.0    63    6.6    6.6    A    *
* 2180.0  24.4    248    7.1    65    6.5    6.6    A    *
* 2182.0  29.0    251    7.1    65    6.5    6.6    A    *
* 2184.0  32.4    248    7.1    66    6.5    6.7    C    *
* 2186.0  36.3    242    7.1    66    6.5    6.6    C    *
* 2188.0  41.2    248    7.1    66    6.5    6.6    C    *
* 2190.0  41.8    243    7.1    64    6.5    6.5    C    *
* 2192.0  36.6    239    7.1    63    6.6    6.5    C    *
* 2194.0          246    7.1    63    6.6    6.5    *
* 2196.0  40.4    246    7.1    63    6.7    6.5    C    *
* 2198.0  39.7    250    7.2    63    6.7    6.5    C    *
* 2200.0  37.6    250    7.2    63    6.8    6.5    C    *
* 2202.0          250    7.2    62    6.7    6.5    *
* 2204.0          250    7.2    62    6.7    6.4    *
* 2206.0          250    7.2    63    6.7    6.4    *
* 2208.0          250    7.2    63    6.6    6.5    *
* 2210.0          250    7.2    63    6.7    6.5    *
* 2212.0          250    7.2    66    6.7    6.6    *
* 2214.0          250    7.2    68    6.7    6.6    *
* 2216.0          250    7.2    66    6.6    6.5    *
* 2218.0          250    7.2    63    6.6    6.4    *
* 2220.0          250    7.2    60    6.6    6.4    *
* 2222.0          250    7.2    60    6.5    6.4    *
* 2224.0          250    7.2    58    6.5    6.5    *
* 2226.0          250    7.2    58    6.4    6.5    *
* 2228.0          250    7.2    62    6.4    6.5    *
* 2230.0          250    7.3    61    6.3    6.4    *
* 2232.0          250    7.3    58    6.4    6.4    *
* 2234.0          250    7.3    59    6.4    6.4    *
* 2236.0          250    7.4    60    6.3    6.3    *
* 2238.0          250    7.4    59    6.3    6.2    *
* 2240.0          250    7.4    56    6.3    6.2    *
* 2242.0  36.8    251    7.4    54    6.3    6.2    A    *
* 2244.0  33.2    257    7.4    58    6.3    6.2    A    *
* 2246.0  32.2    263    7.5    63    6.4    6.2    A    *
* 2248.0  29.4    274    7.5    64    6.4    6.3    A    *
* 2250.0  25.8    275    7.5    63    6.4    6.4    A    *
* 2252.0          275    7.5    60    6.4    6.4    *
* 2254.0          275    7.5    56    6.4    6.4    *
* 2256.0          275    7.5    57    6.4    6.4    *
*****

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*****
*          *      FORMATION          *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH   *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM   * BEST   *
*          *       AZI. *       AZI.   1-3   2-4   * =A    *
*****
*
* 2258.0           7.5   59           6.4   6.4           *
* 2260.0           7.5   59           6.4   6.4           *
* 2262.0           7.5   58           6.4   6.4           *
* 2264.0           7.6   60           6.3   6.3           *
* 2266.0           7.6   62           6.3   6.3           *
* 2268.0           7.6   61           6.3   6.2           *
* 2270.0           7.7   61           6.2   6.2           *
* 2272.0           7.7   61           6.3   6.2           *
* 2274.0    26.8    272           7.7   59           6.3   6.2           D   *
* 2276.0    27.3    272           7.7   59           6.4   6.2           D   *
* 2278.0           7.7   58           6.4   6.2           *
* 2280.0    24.8    278           7.7   58           6.4   6.3           D   *
* 2282.0    17.1    308           7.7   58           6.3   6.3           D   *
* 2284.0    17.2    305           7.7   57           6.3   6.2           D   *
* 2286.0    15.6    275           7.7   55           6.4   6.2           D   *
* 2288.0    18.1    264           7.7   55           6.4   6.2           D   *
* 2290.0    10.9    279           7.7   57           6.4   6.1           B   *
* 2292.0    10.8    285           7.7   57           6.4   6.2           A   *
* 2294.0           7.7   52           6.4   6.3           *
* 2296.0     6.2    250           7.7   52           6.4   6.3           C   *
* 2298.0    11.6    282           7.7   59           6.4   6.4           A   *
* 2300.0    10.8    311           7.7   62           6.4   6.4           A   *
* 2302.0    11.8    283           7.7   63           6.4   6.4           A   *
* 2304.0    12.6    279           7.7   62           6.4   6.4           A   *
* 2306.0    10.8    359           7.8   62           6.3   6.4           A   *
* 2308.0    11.4    290           7.8   61           6.3   6.4           A   *
* 2310.0    15.4    302           7.8   60           6.4   6.5           A   *
* 2312.0     9.5    336           7.8   62           6.4   6.5           A   *
* 2314.0     9.4    336           7.8   64           6.4   6.4           A   *
* 2316.0    12.6    322           7.8   56           6.5   6.4           A   *
* 2318.0    12.4    324           7.8   56           6.5   6.4           A   *
* 2320.0           7.9   63           6.4   6.4           *
* 2322.0           7.9   62           6.4   6.4           *
* 2324.0           7.9   63           6.4   6.4           *
* 2326.0    25.8    266           7.9   64           6.4   6.4           D   *
* 2328.0    25.0    259           8.0   62           6.4   6.4           D   *
* 2330.0     5.7    348           8.0   59           6.4   6.4           D   *
* 2332.0           8.1   62           6.4   6.4           *
* 2334.0     8.0    320           8.1   62           6.4   6.4           D   *
* 2336.0    15.7    296           8.2   59           6.4   6.4           D   *
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*          *      FORMATION          *          *      BOREHOLE          *      * QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH  *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *      AZI. *      AZI.   1-3   2-4 * =A *
*****
*
* 2338.0          8.3      63      6.3      6.3          *
* 2340.0      12.6      351      8.3      66      6.3      6.3      D *
* 2342.0      14.9      347      8.4      66      6.3      6.3      B *
* 2344.0      19.0      335      8.5      68      6.3      6.3      B *
* 2346.0      17.7      355      8.5      69      6.4      6.2      B *
* 2348.0      17.6      350      8.5      71      6.3      6.2      B *
* 2350.0      20.3      3      8.5      74      6.3      6.2      C *
* 2352.0      12.1      359      8.5      72      6.3      6.4      A *
* 2354.0      12.5      348      8.5      69      6.3      6.4      A *
* 2356.0      10.6      348      8.5      69      6.4      6.4      A *
* 2358.0      11.8      345      8.5      71      6.3      6.3      A *
* 2360.0      9.8      352      8.5      71      6.3      6.3      A *
* 2362.0      8.0      301      8.5      72      6.4      6.4      C *
* 2364.0      6.4      343      8.5      73      6.3      6.4      A *
* 2366.0      9.2      29      8.5      73      6.2      6.3      A *
* 2368.0      9.5      43      8.5      72      6.3      6.3      A *
* 2370.0      14.6      14      8.5      73      6.3      6.5      A *
* 2372.0      13.6      6      8.5      72      6.3      6.5      A *
* 2374.0      10.3      349      8.5      70      6.2      6.4      C *
* 2376.0      11.9      339      8.5      70      6.2      6.4      A *
* 2378.0      13.3      332      8.5      70      6.2      6.5      A *
* 2380.0      18.0      338      8.5      71      6.3      6.5      A *
* 2382.0          8.4      71      6.3      6.6      *
* 2384.0      13.1      337      8.4      69      6.3      6.5      A *
* 2386.0      11.3      328      8.4      70      6.4      6.5      A *
* 2388.0      10.3      330      8.5      71      6.4      6.5      A *
* 2390.0      11.8      345      8.5      72      6.4      6.5      A *
* 2392.0      11.8      22      8.5      73      6.4      6.5      A *
* 2394.0      14.9      345      8.5      74      6.4      6.4      A *
* 2396.0      15.5      343      8.5      73      6.3      6.3      A *
* 2398.0      16.2      343      8.4      71      6.3      6.3      A *
* 2400.0      16.0      347      8.4      70      6.2      6.3      A *
* 2402.0      16.8      345      8.5      71      6.3      6.3      A *
* 2404.0      18.3      343      8.4      72      6.3      6.4      A *
* 2406.0      17.7      337      8.4      70      6.3      6.3      A *
* 2408.0      13.4      339      8.4      69      6.2      6.3      A *
* 2410.0      13.0      335      8.4      72      6.3      6.4      A *
* 2412.0      14.3      331      8.4      79      6.4      6.5      A *
* 2414.0      15.6      331      8.3      78      6.5      6.5      A *
* 2416.0      14.9      330      8.3      69      6.5      6.4      A *
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*****
*          *   FORMATION   *           BOREHOLE           * QUAL. *
*          *-----*-----*-----*-----*-----*-----* INDEX *
* DEPTH  *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *       AZI. *       AZI.   1-3   2-4 * =A *
*****
*
* 2418.0   16.8   323           8.3   67   6.5   6.4   A *
* 2420.0   17.0   338           8.3   68   6.5   6.3   A *
* 2422.0   17.1   336           8.3   67   6.5   6.3   A *
* 2424.0   18.1   331           8.3   66   6.5   6.2   A *
* 2426.0   17.5   327           8.3   68   6.5   6.2   A *
* 2428.0   19.6   331           8.3   69   6.4   6.2   C *
* 2430.0   17.3   351           8.4   68   6.4   6.3   C *
* 2432.0           8.4   69   6.4   6.3   *
* 2434.0           8.4   69   6.4   6.3   *
* 2436.0    6.7     2           8.3   68   6.4   6.3   A *
* 2438.0    7.3     7           8.3   68   6.4   6.2   A *
* 2440.0           8.3   69   6.4   6.2   *
* 2442.0           8.3   70   6.4   6.2   *
* 2444.0   15.5   356           8.3   70   6.4   6.2   A *
* 2446.0   11.0   319           8.3   69   6.4   6.2   C *
* 2448.0   12.7   336           8.3   70   6.4   6.2   C *
* 2450.0   14.3     3           8.3   71   6.3   6.3   C *
* 2452.0   16.1    25           8.3   72   6.3   6.3   C *
* 2454.0   13.4   360           8.3   72   6.4   6.3   A *
* 2456.0    6.0    20           8.3   71   6.4   6.3   D *
* 2458.0   13.3    49           8.3   70   6.3   6.3   D *
* 2460.0    8.9    61           8.3   71   6.4   6.4   B *
* 2462.0    8.4    47           8.3   72   6.4   6.4   B *
* 2464.0           8.4   73   6.3   6.2   *
* 2466.0    5.4   291           8.4   67   6.3   6.2   D *
* 2468.0    3.9   325           8.3   65   6.3   6.2   D *
* 2470.0    7.2     2           8.3   72   6.3   6.2   D *
* 2472.0           8.4   75   6.3   6.2   *
* 2474.0   16.1   289           8.4   77   6.2   6.2   B *
* 2476.0   14.0   305           8.4   78   6.3   6.2   D *
* 2478.0           8.4   76   6.3   6.1   *
* 2480.0   10.8   317           8.4   76   6.2   6.1   D *
* 2482.0   12.3   310           8.4   75   6.2   6.1   D *
* 2484.0           8.4   74   6.3   6.1   *
* 2486.0   12.8   303           8.4   71   6.3   6.2   D *
* 2488.0           8.4   70   6.2   6.1   *
* 2490.0   10.0   329           8.5   74   6.2   6.1   D *
* 2492.0           8.5   75   6.3   6.1   *
* 2494.0           8.5   68   6.2   6.1   *
* 2496.0           8.4   68   6.2   6.0   *
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*****
*          *      FORMATION      *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*          *-----*-----*      INDEX *
* DEPTH   *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *       AZI. *       AZI.   1-3   2-4 * =A *
*****
*
* 2498.0           8.5       74       6.1       6.0           *
* 2500.0           8.5       74       6.1       6.0           *
* 2502.0           8.5       72       6.0       6.0           *
* 2504.0           8.5       69       6.0       6.0           *
* 2506.0    37.8    267    8.5    66    6.2    6.1    D    *
* 2508.0    35.1    282    8.6    65    6.2    6.2    D    *
* 2510.0    36.4    267    8.7    64    6.2    6.3    D    *
* 2512.0    37.1    277    8.7    66    6.2    6.3    D    *
* 2514.0    39.8    267    8.8    74    6.2    6.3    D    *
* 2516.0    16.3    342    8.9    79    6.3    6.3    D    *
* 2518.0    15.5    329    9.0    78    6.4    6.3    D    *
* 2520.0    16.7    327    9.1    78    6.3    6.1    D    *
* 2522.0           9.1    82    6.2    6.0           *
* 2524.0           9.1    85    6.2    6.0           *
* 2526.0           9.2    85    6.2    6.0           *
* 2528.0           9.2    85    6.2    6.1           *
* 2530.0           9.2    85    6.1    6.1           *
* 2532.0    17.1    329    9.2    88    6.2    6.1    D    *
* 2534.0    18.8    326    9.2    92    6.2    6.2    D    *
* 2536.0    21.9    326    9.2    92    6.2    6.3    A    *
* 2538.0    20.2    327    9.2    90    6.2    6.3    A    *
* 2540.0    18.9    327    9.2    90    6.2    6.3    A    *
* 2542.0    18.3    321    9.2    90    6.3    6.3    A    *
* 2544.0    17.3    322    9.2    89    6.2    6.3    A    *
* 2546.0    17.9    316    9.2    84    6.2    6.4    C    *
* 2548.0    19.4    287    9.2    81    6.2    6.5    A    *
* 2550.0    17.9    288    9.2    86    6.1    6.4    A    *
* 2552.0    17.4    297    9.2    89    6.1    6.4    A    *
* 2554.0    17.7    302    9.3    88    6.1    6.3    A    *
* 2556.0    15.5    302    9.3    90    6.2    6.2    A    *
* 2558.0    18.7    302    9.3    90    6.1    6.2    A    *
* 2560.0    38.8    295    9.2    86    6.1    6.2    D    *
* 2562.0    34.6    286    9.2    83    6.2    6.2    B    *
* 2564.0    34.3    288    9.2    82    6.2    6.2    B    *
* 2566.0           9.2    78    6.2    6.3           *
* 2568.0    20.8    344    9.1    74    6.2    6.3    A    *
* 2570.0    16.6    358    9.1    73    6.2    6.2    A    *
* 2572.0    19.1     3    9.0    76    6.1    6.0    A    *
* 2574.0    16.8    360    9.0    76    6.0    5.6    A    *
* 2576.0    17.8    354    9.0    76    6.0    5.6    A    *
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*****
*          *      FORMATION          *      BOREHOLE          *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH  *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *      AZI. *      AZI.   1-3   2-4 * =A *
*****
*
* 2578.0   15.8   356   9.0   77   6.1   5.7   A *
* 2580.0   18.1    5   9.0   76   5.8   5.6   A *
* 2582.0   24.2   16   9.0   77   5.5   5.5   A *
* 2584.0           9.0   76   5.5   5.7   *
* 2586.0           8.9   74   5.6   6.0   *
* 2588.0           8.9   75   5.7   5.9   *
* 2590.0           8.8   77   5.9   5.8   *
* 2592.0           8.7   74   6.0   5.9   *
* 2594.0           8.7   71   6.0   5.9   *
* 2596.0           8.6   70   6.1   6.0   *
* 2598.0           8.6   67   6.1   6.2   *
* 2600.0           8.6   70   6.2   6.1   *
* 2602.0           8.6   74   6.2   6.1   *
* 2604.0           8.6   75   6.2   6.2   *
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*****
*          *      FORMATION          *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*-----*-----*-----*-----*-----*-----*-----*-----*
* DEPTH  *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *      AZI. *      AZI.   1-3   2-4 * =A *
*****
*
* 2402.0   17.2   346           8.2   72   6.2   6.3   A *
* 2404.0   18.4   344           8.2   72   6.3   6.3   A *
* 2406.0   18.9   342           8.2   75   6.3   6.3   A *
* 2408.0   14.1   340           8.3   75   6.2   6.2   A *
* 2410.0   12.4   334           8.3   70   6.3   6.3   A *
* 2412.0   10.6   335           8.3   70   6.4   6.4   A *
* 2414.0   14.4   332           8.3   74   6.5   6.4   A *
* 2416.0   14.1   334           8.3   75   6.5   6.4   A *
* 2418.0   13.7   332           8.3   72   6.4   6.4   A *
* 2420.0   15.8   338           8.3   69   6.4   6.4   A *
* 2422.0   17.2   334           8.3   69   6.4   6.3   A *
* 2424.0   19.4   335           8.3   72   6.3   6.3   A *
* 2426.0   20.4   320           8.3   72   6.3   6.3   A *
* 2428.0   21.1   316           8.4   69   6.3   6.4   A *
* 2430.0           316           8.5   64   6.3   6.4   *
* 2432.0           316           8.5   62   6.3   6.3   *
* 2434.0   12.7   325           8.6   63   6.3   6.4   B *
* 2436.0   11.3   338           8.7   65   6.3   6.4   B *
* 2438.0   14.0   330           8.8   72   6.3   6.4   B *
* 2440.0           330           8.9   72   6.4   6.3   *
* 2442.0           330           8.9   71   6.4   6.3   *
* 2444.0   19.2   350           8.9   75   6.4   6.2   B *
* 2446.0   23.5   350           8.9   78   6.3   6.2   D *
* 2448.0   21.6   344           8.9   79   6.3   6.3   B *
* 2450.0    8.4   344           8.9   80   6.3   6.4   D *
* 2452.0           344           8.9   81   6.3   6.4   *
* 2454.0           344           8.9   92   6.3   6.4   *
* 2456.0   14.5   352           8.9   81   6.3   6.4   D *
* 2458.0   11.4   346           8.9   81   6.3   6.5   D *
* 2460.0    5.6   346           8.9   80   6.4   6.6   B *
* 2462.0    6.8   340           8.9   79   6.3   6.5   D *
* 2464.0           340           8.8   79   6.2   6.4   *
* 2466.0    3.1   353           8.8   76   6.2   6.4   D *
* 2468.0    9.3   327           8.8   77   6.1   6.4   D *
* 2470.0           327           8.8   75   6.1   6.3   *
* 2472.0           327           8.8   75   6.1   6.3   *
* 2474.0   17.4   294           8.8   76   6.1   6.3   B *
* 2476.0   15.0   297           8.8   78   6.1   6.3   B *
* 2478.0   18.6   317           8.8   78   6.1   6.3   D *
* 2480.0    9.6   310           8.7   75   6.0   6.2   D *
*****
    
```

| FORMATION | | | BOREHOLE | | | | QUAL. |
|-----------|-----|------|----------|------|------|------|-------|
| DEPTH | DIP | DIP | DEV. | DEV. | DIAM | DIAM | BEST |
| | | AZI. | | AZI. | 1-3 | 2-4 | =A |

| | | | | | | | | | |
|---|--------|------|-----|-----|----|-----|-----|---|---|
| * | 2482.0 | 11.2 | 305 | 8.7 | 72 | 6.1 | 6.2 | D | * |
| * | 2484.0 | 28.0 | 319 | 8.6 | 72 | 6.1 | 6.3 | D | * |
| * | 2486.0 | 13.2 | 308 | 8.5 | 71 | 6.2 | 6.3 | B | * |
| * | 2488.0 | 24.1 | 320 | 8.5 | 70 | 6.1 | 6.2 | D | * |
| * | 2490.0 | 27.7 | 278 | 8.4 | 73 | 6.1 | 6.2 | B | * |
| * | 2492.0 | 26.8 | 281 | 8.4 | 71 | 6.2 | 6.2 | B | * |
| * | 2494.0 | 37.1 | 276 | 8.4 | 65 | 6.1 | 6.1 | B | * |
| * | 2496.0 | 35.9 | 260 | 8.4 | 68 | 6.1 | 6.0 | D | * |
| * | 2498.0 | 23.1 | 325 | 8.4 | 71 | 6.1 | 6.0 | D | * |
| * | 2500.0 | 31.1 | 266 | 8.5 | 70 | 6.1 | 6.1 | D | * |
| * | 2502.0 | | | 8.5 | 65 | 6.1 | 6.0 | | * |
| * | 2504.0 | | | 8.5 | 66 | 6.1 | 6.0 | | * |
| * | 2506.0 | | | 8.5 | 70 | 6.1 | 6.1 | | * |
| * | 2508.0 | | | 8.6 | 70 | 6.2 | 6.2 | | * |
| * | 2510.0 | | | 8.6 | 69 | 6.2 | 6.2 | | * |
| * | 2512.0 | | | 8.7 | 70 | 6.2 | 6.3 | | * |
| * | 2514.0 | | | 8.8 | 71 | 6.2 | 6.3 | | * |
| * | 2516.0 | | | 8.9 | 74 | 6.3 | 6.3 | | * |
| * | 2518.0 | | | 9.0 | 76 | 6.4 | 6.3 | | * |
| * | 2520.0 | | | 9.1 | 77 | 6.3 | 6.2 | | * |
| * | 2522.0 | | | 9.1 | 80 | 6.3 | 6.0 | | * |
| * | 2524.0 | | | 9.1 | 80 | 6.2 | 6.0 | | * |
| * | 2526.0 | | | 9.1 | 82 | 6.2 | 6.0 | | * |
| * | 2528.0 | | | 9.2 | 84 | 6.2 | 6.1 | | * |
| * | 2530.0 | | | 9.2 | 82 | 6.1 | 6.1 | | * |
| * | 2532.0 | 24.1 | 324 | 9.2 | 80 | 6.1 | 6.1 | C | * |
| * | 2534.0 | 26.6 | 325 | 9.1 | 82 | 6.2 | 6.2 | A | * |
| * | 2536.0 | 23.5 | 318 | 9.1 | 84 | 6.1 | 6.3 | A | * |
| * | 2538.0 | 20.9 | 320 | 9.1 | 83 | 6.1 | 6.3 | A | * |
| * | 2540.0 | 19.7 | 319 | 9.1 | 82 | 6.1 | 6.3 | A | * |
| * | 2542.0 | 19.6 | 313 | 9.1 | 82 | 6.1 | 6.3 | A | * |
| * | 2544.0 | 18.3 | 315 | 9.1 | 82 | 6.1 | 6.3 | A | * |
| * | 2546.0 | 16.0 | 319 | 9.1 | 81 | 6.1 | 6.3 | A | * |
| * | 2548.0 | 18.2 | 293 | 9.1 | 79 | 6.1 | 6.3 | B | * |
| * | 2550.0 | 17.5 | 281 | 9.1 | 76 | 6.1 | 6.4 | B | * |
| * | 2552.0 | 18.0 | 284 | 9.1 | 76 | 6.0 | 6.4 | B | * |
| * | 2554.0 | 17.7 | 295 | 9.1 | 75 | 6.1 | 6.3 | B | * |
| * | 2556.0 | 16.7 | 278 | 9.1 | 75 | 6.1 | 6.3 | B | * |
| * | 2558.0 | 17.6 | 281 | 9.1 | 80 | 6.1 | 6.2 | B | * |
| * | 2560.0 | 35.5 | 297 | 9.1 | 83 | 6.0 | 6.2 | B | * |

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*****
*          *      FORMATION          *          *      BOREHOLE          *      QUAL. *
*          *-----*-----*          *-----*-----*      INDEX *
* DEPTH   *   DIP   DIP   *   DEV.   DEV.   DIAM   DIAM * BEST *
*          *       AZI. *       AZI.   1-3   2-4 * =A *
*****
*
* 2562.0   36.0   296           9.1   82       6.1   6.2   B *
* 2564.0   35.8   287           9.1   79       6.1   6.2   D *
* 2566.0   39.4   292           9.1   81       6.1   6.2   D *
* 2568.0   20.3   359           9.1   80       6.2   6.2   A *
* 2570.0   20.5   360           9.1   76       6.1   6.2   A *
* 2572.0   18.9   357           9.1   75       6.1   6.0   A *
* 2574.0   16.4   349           9.1   77       6.0   5.7   A *
* 2576.0   13.8   342           9.1   79       5.9   5.6   A *
* 2578.0   18.2     1           9.1   81       5.9   5.6   A *
* 2580.0   22.8    11           9.1   82       5.7   5.4   A *
* 2582.0   23.0    26           9.1   84       5.6   5.4   A *
* 2584.0           9.2   85       5.5   5.6           *
* 2586.0           9.1   86       5.4   5.8           *
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REICHHOLD ENERGY CORP.          COLUMBIA COUNTY 32-33          SUMMARY
*****
*  DEPTH  *  DIP    DIP    *  DEV    DEV    DIAM    DIAM  *  QUAL  *
*          *        AZM    *        AZM    1-3    2-4  *      *
*****
*
*  TOP
*  498.0   8.0     5.     0.0    0.     9.3    8.7    B
*
*  BOTTOM
* 2604.0   6.5    275.   8.6    75.    6.2    6.2    *
*
*  TOP
* 2402.0   17.2   346.   8.2    72.    6.2    6.3    A
*
*  BOTTOM
* 2586.0   34.9   286.   9.1    86.    5.4    5.8    *
*
*****

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