Welex

# DIP LOG CALCULATIONS

**COMPANY** REICHHOLD ENERGY CORPORATION

**WELL** COLUMBIA COUNTY No. 43-22

**FIELD** MIST

**COUNTY** COLUMBIA **STATE** OREGON

WELEX
A Halliburton Company

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                         REICHHOLD ENERGY CORPORATION
                           COLUMBIA COUNTY #45-22
                                 MIST FIELD
                          COLUMBIA COUNTY, OREGON
                                  2-25-84
                               REPEAT SECTION

                    STATISTICAL SUMMARY OF DIP LOG CALCULATIONS
            8.0 CORRELATION INTERVAL 2.0 STEP 75.0 MAXIMUM DIP ANGLE

                                 FRACTIONAL          MEAN                     NUMBER
  DEPTH           AVERAGE        STANDARD            DIP          VECTOR        OF
 INTERVAL        DIP ANGLE       DEVIATION         AZIMUTH       STRENGTH    SAMPLES

400 -    450    16.6 DEG.           .80          210 (S 30 W)       .70         25
450 -    500    36.3 DEG.           .57           75 (N 75 E)       .39         16
500 -    550    29.8 DEG.           .36          332 (N 28 W)       .75         14
550 -    600    31.4 DEG.           .64          358 (N  2 W)       .55         15
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                 STATISTICAL SUMMARY OF DIP LOG CALCULATIONS
          4.0 CORRELATION INTERVAL 2.0 STEP 75.0 MAXIMUM DIP ANGLE

                                    FRACTIONAL        MEAN                       NUMBER
     DEPTH           AVERAGE        STANDARD          DIP          VECTOR          OF
    INTERVAL        DIP ANGLE       DEVIATION        AZIMUTH      STRENGTH       SAMPLES

   400 -   450    13.8 DEG.          .89        209 (S 29 W)      .75            25
   450 -   500    33.5 DEG.          .39         65 (N 65 E)      .27            14
   500 -   550    20.2 DEG.          .56        344 (N 16 W)      .77            20
   550 -   600    20.9 DEG.          .45        311 (N 49 W)      .53            21
   600 -   650    31.3 DEG.          .48        304 (N 56 W)      .66            23
   650 -   700    28.3 DEG.          .52        261 (S 81 W)      .65            25
   700 -   750    32.9 DEG.          .34        247 (S 67 W)      .71            21
   750 -   800    31.5 DEG.          .48        307 (N 53 W)      .51            20
   800 -   850    19.6 DEG.          .57        322 (N 38 W)      .36            21
   850 -   900    25.2 DEG.          .56        311 (N 49 W)      .94            25
   900 -   950    20.2 DEG.          .25        326 (N 34 W)      .71            24
   950 -  1000    22.1 DEG.          .78         12 (N 12 E)      .74            22
  1000 -  1050    22.6 DEG.          .44        314 (N 46 W)      .79            23
  1050 -  1100    33.2 DEG.          .44        337 (N 23 W)      .57            15
  1100 -  1150    17.2 DEG.          .90        334 (N 26 W)      .77            20
  1150 -  1200    13.4 DEG.         1.05        314 (N 46 W)      .39            16
  1200 -  1250    42.7 DEG.          .93        270 (N 90 W)      .07            15
  1250 -  1300    41.4 DEG.          .52        292 (N 68 W)      .23            10
  1300 -  1350    31.8 DEG.          .56        314 (N 46 W)      .65            20
  1350 -  1400    29.4 DEG.          .44         32 (N 32 E)      .53            15
  1400 -  1450    12.7 DEG.          .76        277 (N 83 W)      .56            19
  1450 -  1500    29.8 DEG.          .66        245 (S 65 W)      .05            22
  1500 -  1550    25.0 DEG.          .75        211 (S 31 W)      .52            24
  1550 -  1600    16.5 DEG.          .89        282 (N 78 W)      .72            18
  1600 -  1650    25.6 DEG.          .76        249 (S 69 W)      .53            13
  1650 -  1700     8.1 DEG.          .92        251 (S 71 W)      .55            22
  1700 -  1750     6.9 DEG.          .83        239 (S 59 W)      .66            21
  1750 -  1800    13.3 DEG.         1.27        273 (N 87 W)      .67            23
  1800 -  1850    13.0 DEG.          .69        217 (S 37 W)      .81            16
  1850 -  1900    16.2 DEG.          .93        290 (N 70 W)      .92            19
  1900 -  1950    10.3 DEG.         1.19        274 (N 86 W)      .55            12
  1950 -  2000    15.6 DEG.         1.25        126 (S 54 E)      .56            13
  2000 -  2050    19.1 DEG.          .70        232 (S 52 W)      .74            20
  2050 -  2100    13.0 DEG.         1.19        242 (S 62 W)      .67            17
  2100 -  2150     5.5 DEG.          .57        259 (S 79 W)      .94            25
  2150 -  2200     4.5 DEG.          .17        269 (S 89 W)      .92            25
  2200 -  2250     6.9 DEG.          .61        271 (N 89 W)     1.00             5
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REICHHOLD ENERGY CORPORATION
COLUMBIA COUNTY 345-22
MIST
COLUMBIA COUNTY, OREGON
2-25-84
8' CORRELATION INTERVAL, 2' STEP, 75 DEGREE SEARCH ANGLE
MAGNETIC DECLINATION = 21 DEGREES
2" LIMITED QUALITY, 5" ALL QUALITY
QUALITY COEFFICIENT 800=A 600=B 400=C 100=D
COMPUTED AT WELEX A HALLIBURTON COMPANY, HOUSTON, TEXAS
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REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP   DIP DRFT DRFT AZ. DIA  DIA          DISPLACEMENTS
INTERVAL    GRADE ANG. AZ. ANG. AZ. NO.1 13   24      H12       H13        H24  M


  395.5   396.5 D 57.5  51    .3 353 212  7.6  7.6   1.1       5.5        2.0  0
  401.5   402.5 D 51.9  43    .3 345 192  7.6  7.9   1.6       8.4        5.1  0
  403.5   404.5 D 51.3  37    .3 346 188  7.7  7.9   1.9       9.0        3.5  0
  405.5   406.5 D 30.9 125    .3 346 184  7.7  7.8  -2.7      -2.3        4.0  0
  407.5   408.5 D 36.4 101    .3 352 180  7.7  7.7  -2.7       -.9        5.2  0
  409.5   410.5 D 13.5 234    .3 356 173  7.7  7.7    .6      -1.0       -1.8  0
  411.5   412.5 D 14.0 225    .3 357 162  7.7  7.7    .6       -.8       -1.8  0
  413.5   414.5   14.1 214    .3 355 147  7.8  7.8    .6       -.7       -1.8  0
  415.5   416.5   11.3 203    .3 350 132  7.8  7.8    .6       -.5       -1.4  0
  417.5   418.5 A  5.5 218    .3 344 117  7.8  7.8    .6        .2        -.8  0
  419.5   420.5 A  5.5 214    .3 340 104  7.8  7.8    .5        .3        -.7  0
  421.5   422.5 A  4.9 207    .3 337  94  7.8  7.8    .5        .3        -.6  0
  423.5   424.5 A  5.6 209    .3 338  88  7.8  7.8    .6        .4        -.6  0
  425.5   426.5 A  4.9 202    .3 338  82  7.6  7.9    .5        .3        -.4  0
  427.5   428.5 A  3.9 169    .3 338  75  7.6  7.9    .5        .2        -.4  0
  429.5   430.5 A  4.0 193    .3 336  65  7.6  7.9    .8        .4        -.4  0
  431.5   432.5 D 27.9 269    .3 331  51  7.8  7.9    .3       3.2        2.6  0
  433.5   434.5 A 19.3 248    .2 327  39  7.7  7.8    .7       2.3        1.3  0
  435.5   436.5 A 19.4 236    .2 326  31  7.7  7.6    .7       2.4        1.2  0
  437.5   438.5 A 19.0 234    .2 326  26  7.6  7.6    .6       2.3        1.2  0
  439.5   440.5 A 16.5 220    .2 324  20  7.6  7.6   1.0       2.0        1.0  0
  441.5   442.5 A  9.0 166    .2 323  17  7.6  7.6    .3       1.3        -.2  0
  443.5   444.5 A  6.8 202    .1 315   8  7.6  7.7    .4       1.1         .3  0
  445.5   446.5 A  9.0 190    .1 307 358  7.5  7.6    .4       1.2         .2  0
  447.5   448.5 A 11.5 [illegible]  .1 302 354  7.5  7.6    .5       1.3         .8  0
  449.5   450.5 A 15.2 260    .1 299 353  7.5  7.6    .5       1.2        1.7  0
  451.5   452.5 A 22.4 342    .2 303 357  7.5  7.5  -1.1      -3.0         .8  0
  453.5   454.5 A 24.0 345    .2 309   2  7.5  7.5  -1.4      -3.2        1.0  0
  455.5   456.5 A 21.1 346    .2 310   1  7.5  7.6  -1.8      -2.8         .8  0
  457.5   458.5 A 21.3 353    .2 310 358  7.4  7.5  -1.2      -2.9         .3  0
  459.5   460.5 D 56.9 195    .2 308 355  7.4  7.6   2.0      10.5        4.6  0
  463.5   464.5 D 52.4 329    .2 306 355  7.6  7.7  -5.9      -8.9        4.4  0
  465.5   466.5 D 35.0 126    .2 304 355  7.6  7.8   7.8       7.8       -9.4  0
  467.5   468.5 D 46.2 205    .2 303 358  7.6  7.7   1.4       6.8        4.1  0
  473.5   474.5 D 42.1  73    .3 313  13  7.6  7.8   2.0      -3.2       -6.2  0
  475.5   476.5 D 43.5  76    .3 315  14  7.6  7.8   1.8      -3.4       -6.5  0
  477.5   478.5 D 42.9  79    .3 314  14  7.6  7.8   2.6      -3.0       -6.5  0
  479.5   480.5 D 40.9  77    .3 311  11  7.6  7.8   2.2      -2.7       -6.1  0
  491.5   492.5 D 23.4 115    .3 312  25  7.6  7.6   1.9        .1       -3.2  0
  493.5   494.5 D 24.2 126    .2 319  30  7.6  7.6   2.0        .3       -3.3  0
  495.5   496.5 D 23.1 124    .2 327  35  7.6  7.6   1.4       -.0       -3.2  0
  497.5   498.5 D 36.5  94    .2 331  32  7.6  7.6   1.5      -2.8       -5.3  0
  507.5   508.5 D 37.5 196    .2 332 345  7.5  7.5    .9       4.9        3.0  0
  511.5   512.5 D 29.0   2    .2 325 316  7.6  7.6    .0      -3.0       -3.0  0
  513.5   514.5 D 29.5   1    .2 326 310  7.6  7.6    .8      -2.7       -3.4  0
  515.5   516.5 D 30.5   2    .2 327 304  7.6  7.6   1.7      -2.3       -3.8  0
  517.5   518.5 D 31.1   9    .2 328 301  7.5  7.7   1.6      -1.7       -4.3  0
  519.5   520.5 D 34.9  83    .2 328 297  7.5  7.7   2.9       4.3       -3.0  0
  521.5   522.5 D 44.1 315    .2 331 297  7.5  7.6  -2.1      -6.9       -2.3  0
  523.5   524.5 D 43.3 313    .2 335 297  7.5  7.7  -2.3      -6.8       -2.1  0
  525.5   526.5 D 40.4 309    .2 338 292  7.7  7.7  -1.5      -6.4       -1.4  0
  527.5   528.5 D 12.7 297    .2 341 288  7.8  7.8   -.3      -1.7        -.3  0
  529.5   530.5 D 10.5 325    .2 342 281  7.8  7.9    .0      -1.0       -1.0  0
  531.5   532.5 D  9.3 317    .2 339 272  7.8  7.9    .7       -.9        -.9  0
  533.5   534.5 A 27.2 356    .2 339 266  7.7  7.8   2.1        .0       -4.0  0




REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP   DIP DRFT DRFT AZ. DIA  DIA          DISPLACEMENTS
INTERVAL    GRADE ANG. AZ. ANG. AZ. NO.1 13   24      H12       H13        H24  M
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   535.5    536.5 0 28.3 357   .2 339 260  7.7  7.8   2.2       .4      -4.2  0
   537.5    538.5 0 32.6 349   .2 340 255  7.7  7.8   2.1       .3      -5.0  0
   543.5    544.5 0 48.5 357   .2 340 239  7.7  7.7   5.7      4.1      -7.7  0
   545.5    546.5 0 23.4 299   .3 336 233  7.6  7.6    .0     -1.3      -3.0  0
   547.5    548.5 0 34.4 291   .3 335 232  7.6  7.6    .2     -1.4      -3.2  0
   549.5    550.5 0 20.5 284   .3 336 233  7.6  7.7    .5     -2.6      -3.2  0
   565.5    566.5 0 57.3 303   .3 355 198  7.6  7.6   6.2      3.0     -11.6  0
   567.5    568.5 0 19.6  16   .3 358 188  7.6  7.6   1.4      2.7        .4  0
   569.5    570.5 0 16.3 359   .3 360 176  7.6  7.7   1.5      2.5        .1  0
   571.5    572.5 0 24.0 357   .3 358 159  7.6  7.7    .2      2.7        .9  0
   573.5    574.5 0 26.0  11   .3 353 140  7.6  7.7  -1.2      2.4       2.9  0
   575.5    576.5 0 23.1  22   .3 350 123  7.6  7.7   -.9       .7       3.2  0
   577.5    578.5    7.3 104   .3 346 108  7.6  7.6   -.2      -.9        .1  0
   579.5    580.5 0  6.8 106   .3 348  95  7.6  7.6   -.1     -1.0       -.2  0
   581.5    582.5 0 11.7  97   .3 348  81  7.5  7.6   -.0     -1.5       -.4  0
   583.5    584.5 0 54.1 331   .2 346  66  7.6  7.6  -4.5       .9      10.5  0
   585.5    586.5 0 52.9 313   .2 343  50  7.6  7.6  -4.4      1.2      10.1  0
   587.5    588.5 0 54.5 296   .2 338  34  7.6  7.6  -4.7      1.4      10.6  0
   589.5    590.5 0 55.1 281   .2 334  21  7.6  7.6  -4.4      1.8      10.8  0
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REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP  DIP DEFT DEFT AZ. DIA  DIA        DISPLACEMENTS
INTERVAL    SPACE COR. AZ. COR. AZ. NO.1 13    24      H12          H13        H24  M
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395.5    396.5 D 24.1  55   .3 344 217  7.5   7.5     1.5       3.6      1.2  0
397.5    398.5 D 54.3 339   .3 334 201  7.5   7.6     6.7       7.8     -7.2  0
399.5    400.5 D 61.3 344   .3 336 198  7.6   7.7     6.0       7.8     -5.5  0
401.5    402.5 D 50.0  45   .3 337 195  7.6   7.7     2.0       7.9      4.5  0
403.5    404.5 D 33.3 265   .3 337 190  7.6   7.7     2.0      -3.1     -8.8  0
405.5    406.5 D 34.3 139   .3 340 186  7.6   7.7    -2.4      -2.9      3.3  0
407.5    408.5 D 14.0 237   .3 344 183  7.6   7.7      .4      -1.2     -1.6  0
409.5    410.5 D 13.6 233   .3 347 176  7.6   7.7      .4      -1.0     -1.5  0
411.5    412.5 D 13.2 226   .3 345 166  7.7   7.7      .4       -.8     -1.6  0
413.5    414.5 D 12.3 211   .3 346 151  7.7   7.8      .5       -.8     -1.5  0
415.5    416.5 B 11.0 200   .3 343 135  7.8   7.8      .5       -.6     -1.3  0
417.5    418.5 A  5.3 212   .3 341 121  7.8   7.8      .6        .0      -.7  0
419.5    420.5 A  5.4 214   .3 341 108  7.7   7.8      .5        .2      -.7  0
421.5    422.5 A  3.7 211   .2 341  93  7.8   7.8      .5        .3      -.5  0
423.5    424.5 A  5.1 212   .2 339  72  7.8   7.8      .6        .5      -.4  0
425.5    426.5 A  5.1 197   .1 336  50  7.8   7.9      .5        .6      -.4  0
427.5    428.5 A  5.1 179   .1 332  28  7.8   8.0      .6        .6      -.3  0
429.5    430.5 C  4.7 164   .1 328   7  7.8   7.9      .6        .6      -.2  0
431.5    432.5 C  2.7  12   .1 325 347  7.8   7.9      .6       -.3      -.1  0
433.5    434.5 A 12.8 246   .1 321 327  7.7   7.8    -1.1       -.3      1.7  0
435.5    436.5 A 13.3 229   .1 320 311  7.6   7.7    -1.0       -.2      1.8  0
437.5    438.5 A 13.4 220   .1 323 301  7.6   7.7    -1.0       -.3      1.8  0
439.5    440.5 A 13.2 212   .1 325 292  7.6   7.6     -.9       -.3      1.7  0
441.5    442.5 B 11.6 195   .1 326 286  7.6   7.6     -.5        .0      1.5  0
443.5    444.5 B 10.1 209   .1 325 278  7.6   7.6     -.8       -.5      1.3  0
445.5    446.5 B  9.7 187   .1 315 266  7.5   7.5     -.7       -.2      1.2  0
447.5    448.5 B 12.2 193   .1 308 262  7.4   7.5    -1.4       -.6      1.5  0
449.5    450.5 B 13.3 212   .1 302 262  7.4   7.5    -1.3      -1.2      1.3  0
453.5    454.5 A 22.6 343   .2 297 271  7.5   7.5      .2      -1.0     -3.0  0
455.5    456.5 A 17.3 355   .2 300 279  7.5   7.6      .8       -.6     -2.4  0
457.5    458.5 A 21.0  15   .2 304 284  7.5   7.5      .8        .0     -2.9  0
463.5    464.5 D 48.3 160   .3 316 285  7.7   7.6     -.4       4.9      7.0  0
467.5    468.5 D 35.4 204   .3 305 271  7.7   7.7     -.1      -4.4     -3.3  0
469.5    470.5 D 52.6 135   .3 303 271  7.7   7.7     -.3       7.1      7.0  0
471.5    472.5 D 30.7 134   .3 305 277  7.7   7.7     -.3       3.6      2.7  0
479.5    480.5 D 61.0  63   .3 316 283  7.7   7.7     3.1       3.5     -3.0  0
485.5    486.5 D 76.0  41   .3 319 273  7.6   7.7    11.3       8.9    -11.7  0
487.5    488.5 D 51.2 277   .3 321 271  7.6   7.7    -1.9      -4.6      -.5  0
489.5    490.5 D 55.5 151   .3 327 270  7.6   7.7    -1.0       2.7      4.7  0
491.5    492.5 C 29.4 115   .3 333 268  7.6   7.7      .0       2.5      1.2  0
493.5    494.5 D 25.1 130   .3 339 262  7.6   7.7     -.6       2.3      2.6  0
497.5    498.5 D 53.9 345   .4 344 238  7.6   7.5     3.8       1.8     -4.8  0
507.5    508.5 D 61.9 298   .5 342 184  7.5   7.5     5.3       2.1     -6.5  0
511.5    512.5 B 19.9 314   .5 340 160  7.6   7.5     1.1       2.5     -1.2  0
513.5    514.5 C 32.1  25   .5 337 148  7.6   7.6     -.9       2.7      4.0  0
515.5    516.5 D 21.0 296   .5 335 141  7.6   7.5     1.3       2.7     -1.2  0
517.5    518.5 C 23.4  26   .5 334 137  7.5   7.6    -1.5       1.5      3.8  0
519.5    520.5 D 37.4 109   .5 334 135  7.4   7.6    -3.4      -4.9      2.6  0
521.5    522.5 D 39.9 291   .5 335 135  7.4   7.5     5.1       5.7     -2.6  0
525.5    526.5 D 16.3 357   .5 339 132  7.6   7.7      .7       1.6      1.6  0
527.5    528.5 D 10.6 326   .5 339 126  7.7   7.8      .4       1.4       .5  0
529.5    530.5 D  7.9 355   .5 337 118  7.7   7.8      .1        .6       .9  0
531.5    532.5 C  7.1 320   .5 336 112  7.8   7.8      .0        .9       .5  0
533.5    534.5 C 27.0  12   .5 334 106  7.7   7.8    -1.2        .3      4.1  0
535.5    536.5 D 26.4  13   .5 334 101  7.7   7.7    -1.4       -.0      4.2  0



REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP  DIP DRFT DRFT AZ. DIA  DIA         DISPLACEMENTS
INTERVAL    GRADE ANG. AZ. AVG. AZ. NO.1 13   24      H12        H13        H24  M
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   537.5    538.5 C 31.1    0   .5 334  95  7.7  7.7   -1.5      .4     4.7  0
   539.5    540.5 C 26.3    -   .5 331  86  7.6  7.7   -2.1     -.8     4.1  0
   541.5    542.5 C 33.0    2   .5 329  78  7.6  7.6   -2.6     -.9     4.1  0
   543.5    544.5 C 35.3   27   .5 327  73  7.6  7.6   -3.5    -3.8     4.1  0
   545.5    546.5 C 27.4  313   .5 326  69  7.6  7.6   -1.0     1.7     3.6  0
   547.5    548.5 C 26.5  316   .4 327  71  7.5  7.6    -.8     1.6     3.5  0
   549.5    550.5 C 27.5  307   .4 330  72  7.5  7.6    -.6     2.3     3.3  0
   551.5    552.5 C  1.5  296   .4 331  70  7.5  7.5     .5      .1      .2  0
   553.5    554.5 C 33.7  327   .4 331  65  7.5  7.5   -4.9     1.5    10.3  0
   555.5    556.5 C 35.5  315   .4 329  57  7.5  7.5   -4.4     2.3    11.3  0
   557.5    558.5 C 36.2  311   .4 327  50  7.5  7.5   -4.4     1.7    11.3  0
   559.5    560.5 C 36.5  305   .4 326  44  7.5  7.5   -4.6     1.8    11.4  0
   563.5    564.5 C 35.2  320   .3 331  34  7.6  7.5   -6.9    -3.0    10.8  0
   565.5    566.5 C 29.3  352   .3 336  28  7.6  7.5   -6.6    -7.1     5.2  0
   567.5    568.5 C 21.3    5   .3 341  18  7.5  7.5   -1.8    -2.9      .6  0
   569.5    570.5 C 20.0  354   .2 343   2  7.5  7.6   -1.7    -2.8      .4  0
   571.5    572.5 C 19.2  338   .2 345 344  7.5  7.6   -1.6    -2.6      .3  0
   573.5    574.5 C 21.3  353   .3 344 323  7.6  7.7   -1.4    -2.6    -1.5  0
   575.5    576.5 C 22.4   16   .3 341 303  7.6  7.7     .4     -.9    -3.0  0
   579.5    580.5 C 13.8  150   .3 338 273  7.5  7.5     .1     1.0     1.5  0
   583.5    584.5 C 22.5  301   .4 343 254  7.5  7.5    -.0    -6.7    -7.0  0
   585.5    586.5 C 31.0  290   .4 347 244  7.6  7.6     .0    -6.5    -6.8  0
   587.5    588.5 C 24.7  275   .5 349 230  7.6  7.6    -.1    -6.2    -6.4  0
   589.5    590.5 C 47.0  254   .5 349 214  7.6  7.6    -.1    -6.3    -5.3  0
   593.5    594.5 C 36.8  132   .5 346 184  7.5  7.6   -2.3    -5.9      .1  0
   595.5    596.5 C 39.5  173   .6 344 172  7.4  7.6   -2.4    -6.0     -.1  0
   597.5    598.5 C 32.7  169   .5 343 164  7.3  7.7   -2.6    -4.6     -.4  0
   599.5    600.5   51.2  314   .5 343 158  7.3  7.6    7.1    11.2    -5.0  0
   601.5    602.5   41.7  292   .5 345 155  7.4  7.7   11.9    11.5   -11.1  0
   603.5    604.5 C 45.6  295   .5 350 150  7.4  7.7    5.0     6.3    -4.5  0
   605.5    606.5 C 35.4  285   .5 353 141  7.5  7.7    3.9     4.6    -2.8  0
   607.5    608.5 C 25.9  272   .5 353 126  7.5  7.6    2.1     2.9    -1.9  0
   609.5    610.5 C 17.2  287   .4 352 108  7.5  7.6    1.6     2.3      .0  0
   611.5    612.5 C 43.4  347   .4 346  85  7.5  7.6   -2.1     1.0     7.2  0
   613.5    614.5 C 34.1  331   .4 338  62  7.5  7.6   -2.4      .2     6.3  0
   615.5    616.5 C 30.3  315   .4 329  43  7.6  7.6   -2.9      .0     6.3  0
   619.5    620.5 C 47.4    1   .4 321  26  7.6  7.7   -5.3    -7.5     3.5  0
   621.5    622.5 A 36.9  346   .4 323  25  7.5  7.7   -4.2    -4.8     3.9  0
   623.5    624.5 A 34.1  347   .4 328  26  7.5  7.7   -4.2    -4.7     4.0  0
   625.5    626.5 A 36.7  343   .4 332  24  7.4  7.6   -4.4    -4.5     4.0  0
   627.5    628.5 A 34.1  335   .4 331  14  7.3  7.6   -3.0    -3.9     3.3  0
   629.5    630.5 A 27.4  323   .4 330   4  7.3  7.5   -2.6    -2.9     2.6  0
   631.5    632.5 A 27.2  312   .4 331 353  7.3  7.6   -2.7    -2.8     2.6  0
   633.5    634.5 A 27.2  297   .3 331 340  7.4  7.6   -2.7    -2.9     2.7  0
   635.5    636.5 A 26.5  291   .4 336 332  7.5  7.6   -2.6    -2.8     2.5  0
   639.5    640.5 A 51.3  275   .4 347 302  7.6  7.7   -7.0    -8.5     4.3  0
   641.5    642.5 A 11.5  270   .4 349 281  7.6  7.7    -.8    -1.5      .2  0
   643.5    644.5 A 10.3  259   .5 347 257  7.6  7.7    -.4    -1.3     -.3  0
   645.5    646.5 A  9.3  270   .5 343 235  7.6  7.7    -.0    -1.0     -.8  0
   647.5    648.5 A  9.9  268   .5 343 220  7.6  7.7     .2     -.8    -1.0  0
   649.5    650.5 A 11.0  267   .5 346 210  7.6  7.7     .4     -.7    -1.3  0
   651.5    652.5 A 13.1  272   .5 352 199  7.6  7.7     .8     -.4    -1.7  0
   653.5    654.5 A 15.2  275   .5 357 185  7.6  7.7    1.2      .0    -2.1  0
   655.5    656.5 A 13.9  263   .5   0 167  7.6  7.6    1.2      .3    -2.1  0
   657.5    658.5 A  4.0  345   .5 360 145  7.6  7.6     .2      .5      .2  0



 REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

 CORRELATION CORR.  DIP  DIP DRFT DRFT AZ. DIA  DIA         DISPLACEMENTS
 INTERVAL     GRADE ANG. AZ. ANG. AZ. NO.1 13   24      H12         H13        H24  M
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   659.5      660.5 C 13.3 315     .5 356 124   7.6    7.6        .0           1.8            .4   0
   661.5      662.5 C 33.2 304     .5 355 102   7.6    7.6        .6           4.4           2.3   0
   663.5      664.5 C 29.5 283     .5 348  80   7.6    7.6        .5           4.0           1.7   0
   665.5      666.5 C 30.2 263     .5 341  62   7.6    7.7        .7           4.1           1.7   0
   667.5      668.5 C 30.3 252     .5 336  51   7.6    7.7        .6           4.1           1.7   0
   669.5      670.5 C 12.1 271     .5 334  44   7.6    7.7       -.1           1.1           1.2   0
   671.5      672.5 C 62.0 177     .5 333  40   7.6    7.7       9.1          10.3          -9.6   0
   673.5      674.5 C 62.0 174     .5 333  37   7.6    7.7       9.4          10.5          -9.9   0
   679.5      680.5 C 17.2 246     .5 329  26   7.6    7.7        .2           1.7           1.6   0
   681.5      682.5 C 24.1 247     .4 327  23   7.6    7.7        .1           2.4           2.4   0
   683.5      684.5 C 21.7 243     .4 325  21   7.6    7.7        .0           2.2           2.1   0
   685.5      686.5 C 57.1 250     .4 321  18   7.6    7.7       -.1           7.2           9.4   0
   687.5      688.5 C 13.7 246     .4 317  15   7.6    7.7       -.2           1.3           1.7   0
   689.5      690.5 C 14.2 253     .4 316  16   7.6    7.8       -.2            .8           1.8   0
   691.5      692.5 C 13.2 255     .4 314  17   7.6    7.8        .0           1.0           1.8   0
   693.5      694.5 C 47.3 271     .4 315  18   7.6    7.8      -2.3           2.5           8.1   0
   695.5      696.5 C 47.7 273     .4 319  22   7.6    7.7      -2.2           2.8           8.1   0
   697.5      698.5 C 21.4 227     .4 321  24   7.6    7.7        .3           2.7           1.2   0
   699.5      700.5 C 47.7 276     .4 325  26   7.6    7.7      -2.3           2.8           8.1   0
   701.5      702.5 A 19.0 228     .4 327  27   7.6    7.8        .8           2.4           1.0   0
   703.5      704.5 A 14.5 227     .3 329  26   7.6    7.7       1.0           2.3           1.0   0
   705.5      706.5 C 20.3 221     .3 332  25   7.6    7.7        .9           2.7            .8   0
   707.5      708.5 C 19.8 224     .3 338  25   7.6    7.7        .8           2.5            .9   0
   709.5      710.5 C 20.2 249     .3 343  17   7.6    7.7       -.4           1.7           2.2   0
   711.5      712.5 C 30.1 263     .3 346   3   7.6    7.7      -2.2            .8           4.4   0
   713.5      714.5 A 39.4 293     .2 349 346   7.5    7.7      -4.2          -3.8           5.0   0
   715.5      716.5 A 36.3 267     .3 351 324   7.5    7.6      -4.2          -3.2           5.0   0
   717.5      718.5 A 35.4 250     .3 355 306   7.5    7.6      -4.2          -3.3           5.0   0
   719.5      720.5 A 36.6 231     .3 358 288   7.5    7.6      -4.3          -3.3           5.0   0
   721.5      722.5 C 56.6 133     .4 358 266   7.5    7.6        .2           8.3           8.9   0
   723.5      724.5 C 58.7 127     .4 356 244   7.6    7.6      -1.9           5.5          11.0   0
   733.5      734.5 C 36.2 303     .4 353 165   7.6    7.6       4.3           4.6          -4.1   0
   735.5      736.5 C 34.5 255     .4 352 149   7.6    7.6       4.1           3.6          -3.8   0
   737.5      738.5 C 30.2 270     .4 351 135   7.6    7.6       3.7           3.1          -3.1   0
   739.5      740.5 C 26.4 253     .4 353 125   7.6    7.6       2.6           2.7          -3.3   0
   741.5      742.5 C 27.4 245     .4 355 113   7.6    7.6       2.3           2.6          -2.8   0
   743.5      744.5 C 32.2 239     .3 358  99   7.5    7.5       3.2           3.6          -3.0   0
   745.5      746.5 C 31.9 251     .3 357  80   7.5    7.5       3.3           4.6           -.7   0
   747.5      748.5 C 32.6 226     .3 354  59   7.5    7.5       3.3           4.6          -1.0   0
   749.5      750.5 C 23.7  13     .3 351  40   7.5    7.5      -3.6          -4.5           2.3   0
   751.5      752.5 C 70.5 269     .3 350  22   7.5    7.5      -3.6           5.0          11.4   0
   763.5      764.5 C 44.0 143     .3   3 278   7.6    7.6        .5           6.2           6.0   0
   765.5      766.5 C 42.3 112     .4   5 259   7.6    7.6        .9           5.8           3.7   0
   767.5      768.5 C 14.6 343     .4   4 236   7.6    7.6       1.4            .6          -1.9   0
   769.5      770.5 C 16.6  47     .4   2 214   7.6    7.6       1.8           2.2            .5   0
   771.5      772.5 C 17.2  25     .5   0 193   7.6    7.6       1.6           2.3            .5   0
   773.5      774.5 C 19.8   4     .5 357 173   7.6    7.6       1.5           2.7            .5   0
   775.5      776.5 C 26.4 343     .5 355 157   7.6    7.6       1.6           4.1            .4   0
   777.5      778.5 C 25.5 321     .4 355 146   7.6    7.6       1.9           3.9           -.3   0
   779.5      780.5 C 26.6 312     .4 359 137   7.6    7.6       2.1           4.2           -.3   0
   781.5      782.5 C 27.0 297     .4   1 125   7.6    7.6       2.1           3.9           -.5   0
   783.5      784.5 C 25.1 223     .4   2 111   7.6    7.6       2.1           1.3          -3.2   0
   785.5      786.5 C 36.9 285     .4 360  92   7.6    7.6       2.3           6.0           1.4   0
   787.5      788.5 C 40.2 261     .4 353  72   7.6    7.7       2.0           6.3           1.2   0
   789.5      790.5 C 57.5 202     .4 349  59   7.6    7.7       7.9           9.5          -7.0   0




REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP  DIP DRFT DRFT AZ. DIA  DIA          DISPLACEMENTS
INTERVAL     GRADE ANG. AZ. ANG. AZ. NO.1 13   24       H12          H13          H24  M
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  791.5    792.5 D 60.7 271   .3 347  51  7.6  7.7   .3    10.4    8.8  0
  793.5    794.5   60.9 307   .3 347  48  7.6  7.7 -1.0      .5    2.8  0
  795.5    796.5   61.9 310   .3 351  50  7.6  7.7 -1.3      .5    3.1  0
  797.5    798.5   16.2 303   .2 358  51  7.6  7.7 -1.2      .5    2.5  0
  799.5    800.5   17.7 314   .2   3  45  7.6  7.7 -1.3      .0    2.5  0
  801.5    802.5 C 15.9 310   .2   5  32  7.6  7.7 -1.6     -.3    2.2  0
  803.5    804.5 C 14.7 307   .2   3  11  7.6  7.7 -1.9     -.9    1.8  0
  805.5    806.5    6.8 312   .2 359 346  7.6  7.6 -1.3    -1.0     .6  0
  807.5    808.5 C  6.4 314   .3 356 326  7.6  7.6  -.8    -1.1     .2  0
  809.5    810.5    8.4 309   .3 359 312  7.6  7.6  -.7    -1.2     .0  0
  811.5    812.5    9.6 300   .3   3 297  7.6  7.6  -.6    -1.3    -.1  0
  813.5    814.5   12.3 255   .3   7 281  7.6  7.6  -.5    -1.6    -.2  0
  821.5    822.5 C 14.9 325   .4  10 208  7.5  7.6  1.7     1.0   -1.8  0
  823.5    824.5 C 13.9 309   .4  11 192  7.5  7.6  1.5      .9   -1.7  0
  825.5    826.5 C 14.2 292   .4  10 176  7.5  7.6  1.6      .9   -1.7  0
  827.5    828.5 C 16.8 251   .4   8 162  7.5  7.6   .6      .0   -2.2  0
  829.5    830.5 D 36.5  61   .4   7 151  7.5  7.6 -5.4     -.0   11.6  0
  831.5    832.5 D 12.1 327   .4   8 142  7.6  7.6   .7     1.6     .2  0
  833.5    834.5 A 25.8   1   .4   8 131  7.6  7.6   .1     2.4    2.8  0
  835.5    836.5 A 33.9 348   .4   8 119  7.5  7.6   .0     2.2    2.6  0
  837.5    838.5   24.0 333   .4   5 104  7.5  7.6  -.2     2.2    2.6  0
  839.5    840.5   26.9 341   .4 356  88  7.5  7.6 -1.2     1.2    4.0  0
  841.5    842.5   31.4 339   .4 353  77  7.4  7.6 -1.6      .6    4.6  0
  843.5    844.5 C 30.0 331   .3 347  69  7.4  7.6 -1.2      .5    4.0  0
  845.5    846.5   26.4 333   .3 350  72  7.4  7.6 -1.2      .6    4.1  0
  849.5    850.5 C 13.2 338   .3 356  73  7.5  7.6  -.4      .1    2.1  0
  851.5    852.5    3.0 324   .3 359  68  7.5  7.6  -.6      .0     .3  0
  853.5    854.5   13.0  96   .3 354  55  7.6  7.6  -.2    -9.2   -7.8  0
  855.5    856.5   49.0 271   .3 348  44  7.6  7.7  -.0     5.9    6.5  0
  857.5    858.5   23.8 325   .3 343  37  7.6  7.7 -1.6    -1.1    3.2  0
  859.5    860.5   22.0 323   .3 342  36  7.6  7.8 -1.5    -1.0    3.1  0
  861.5    862.5   22.1 325   .3 343  38  7.6  7.7 -1.4     -.9    3.0  0
  863.5    864.5   21.7 323   .3 345  40  7.6  7.7 -1.5     -.8    3.0  0
  865.5    866.5   14.9 322   .3 347  42  7.6  7.7  -.8     -.3    2.0  0
  867.5    868.5   13.9 327   .3 346  41  7.6  7.7  -.7     -.5    1.8  0
  869.5    870.5 C 47.0 312   .3 349  38  7.6  7.7 -5.0     -.7    8.5  0
  871.5    872.5   46.9 305   .2 349  33  7.6  7.7 -4.9     -.7    8.3  0
  873.5    874.5 C 46.6 303   .2 349  28  7.6  7.9 -4.9     -.7    8.3  0
  875.5    876.5   47.5 298   .2 349  23  7.6  7.9 -4.8     -.7    8.7  0
  877.5    878.5 C 21.0 306   .2 354  22  7.5  7.9 -2.2     -.7    3.0  0
  879.5    880.5   15.0 319   .2   2  23  7.5  7.9 -1.5    -1.0    2.0  0
  881.5    882.5 C 15.5 312   .2  12  15  7.5  7.7 -1.5    -1.0    1.9  0
  883.5    884.5 C 21.0 300   .2  12   1  7.5  7.6 -1.7    -1.5    2.6  0
  885.5    886.5   21.4 302   .2   5 340  7.5  7.5 -1.7    -2.3    1.8  0
  887.5    888.5 A 16.0 311   .2   2 317  7.5  7.5 -1.7    -2.4     .2  0
  889.5    890.5 A 14.5 304   .2 360 298  7.5  7.5 -1.0    -1.9    -.2  0
  891.5    892.5   17.2 307   .2   4 283  7.6  7.5  -.4    -2.1    -.9  0
  893.5    894.5 A 17.7 303   .2  14 269  7.6  7.5  -.2    -2.0   -1.3  0
  895.5    896.5 A 17.0 314   .2  14 252  7.6  7.5   .7    -1.2   -2.1  0
  897.5    898.5 A 18.2 299   .3  12 234  7.6  7.5   .6    -1.0   -2.2  0
  899.5    900.5   14.6 282   .3   7 215  7.5  7.5   .7     -.7   -1.8  0
  901.5    902.5   13.0 253   .3   4 200  7.5  7.5   .6     -.8   -1.5  0
  905.5    906.5 C 14.4 166   .4 358 175  7.5  7.5  -.3    -1.8     .3  0
  907.5    908.5   16.9 195   .4 358 167  7.5  7.6   .1    -1.9   -1.2  0
  909.5    910.5   14.7 213   .4 358 158  7.6  7.5   .6    -1.1   -1.6  0



REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP  DIP DEFT DEFT AZ. DIA  DIA        DISPLACEMENTS
INTERVAL     GRADE DIR. AZ. A  .  AZ. NO.1 13   24     H12        H13        H24  M
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   911.5    912.5   15.4 293    .3    0 152  7.6  7.5   1.4      2.0     -1.5  0
   913.5    914.5 A 21.1 297    .3    4 147  7.6  7.5   1.7      2.5     -1.4  0
   915.5    916.5   19.2 306    .3    9 141  7.6  7.5   1.5      2.6      -.5  0
   917.5    918.5   19.5 314    .3   12 131  7.6  7.5    .8      2.6       .4  0
   919.5    920.5   16.5 356    .3   12 116  7.6  7.5   -.2      1.3      2.2  0
   921.5    922.5 C 15.7 345    .3    9 100  7.5  7.5   -.6       .9      1.9  0
   923.5    924.5 C 15.4 250    .3    5  83  7.5  7.5   -.8       .1      2.2  0
   925.5    926.5 C 17.5 346    .2    2  70  7.5  7.5  -1.0      -.2      2.4  0
   927.5    928.5 A 25.6  12    .2    1  61  7.5  7.6  -2.0     -2.4      2.8  0
   929.5    930.5   30.2 345    .2    3  56  7.6  7.6  -3.0     -1.4      3.8  0
   931.5    932.5 A 30.0 352    .1    7  54  7.6  7.6  -3.2     -2.1      3.9  0
   933.5    934.5 A 26.3 350    .1   14  51  7.6  7.7  -2.6     -2.0      3.6  0
   935.5    936.5   22.3 329    .1   21  38  7.6  7.7  -1.8     -1.1      2.9  0
   937.5    938.5 C 11.5 345    .1   73  20  7.6  7.6  -1.9     -1.3       .9  0
   939.5    940.5 C 15.4 349    .1  146 358  7.6  7.6  -1.9     -2.0       .3  0
   941.5    942.5 C 22.5 329    .1  234 336  7.6  7.6  -1.8     -3.1       .4  0
   943.5    944.5 C 22.2 323    .1  320 324  7.6  7.6  -1.8     -3.1       .0  0
   945.5    946.5 C 24.6 333    .1    2 315  7.6  7.5  -1.2     -3.3     -1.1  0
   947.5    948.5 C 24.1 329    .1   22 308  7.6  7.5  -1.0     -3.2     -1.2  0
   949.5    950.5   24.4 328    .1   27 303  7.6  7.5   -.7     -3.1     -1.4  0
   951.5    952.5   25.7 324    .1   27 295  7.6  7.5   -.5     -3.2     -1.7  0
   953.5    954.5   27.9 332    .1   27 284  7.6  7.5    .4     -2.6     -2.8  0
   957.5    958.5   61.7 111    .2   10 257  7.5  7.5   1.4     11.6      7.7  0
   959.5    960.5   59.5  99    .2    4 244  7.5  7.5   1.9     10.6      7.1  0
   961.5    962.5   24.5   3    .2    3 233  7.5  7.5   2.2      2.3     -2.6  0
   963.5    964.5   23.3 353    .2    6 225  7.5  7.5   2.3      2.0     -2.6  0
   965.5    966.5   24.8 339    .3   17 221  7.6  7.6   2.4      1.7     -3.1  0
   967.5    968.5 A 24.6 342    .3   24 216  7.6  7.6   2.3      2.1     -2.8  0
   969.5    970.5 A 24.6 340    .3   25 209  7.6  7.6   2.2      2.3     -2.6  0
   971.5    972.5   24.9 333    .3   23 198  7.6  7.6   2.1      2.5     -2.4  0
   973.5    974.5   55.4 350    .3   21 183  7.6  7.6   6.8     10.8     -2.3  0
   975.5    976.5 C 46.5  36    .3   18 167  7.6  7.5    .2      2.5      2.9  0
   977.5    978.5    3.1  41    .3   16 155  7.6  7.5    .2       .2       .4  0
   979.5    980.5 C  3.3  27    .3   18 148  7.6  7.5    .0       .2       .4  0
   981.5    982.5    9.2  26    .3   18 144  7.6  7.5    .2       .6      1.2  0
   983.5    984.5    4.0  27    .3   19 143  7.6  7.5    .2       .5      1.1  0
   985.5    986.5   13.7  36    .3   19 142  7.6  7.5   -.1       .5      1.8  0
   987.5    988.5   12.7  33    .3   18 140  7.6  7.5   -.4       .6      2.0  0
   993.5    994.5 C 10.0 241    .3   14 137  7.7  7.5    .9       .3     -1.2  0
   995.5    996.5 C  4.7  26    .2   14 137  7.7  7.5    .5       .4      1.1  0
   997.5    998.5    5.4  20    .2   15 137  7.7  7.5    .4       .2       .7  0
   999.5   1000.5    5.0  27    .2   16 138  7.7  7.5    .4       .3       .7  0
  1001.5   1002.5 C  6.0   3    .2   18 139  7.7  7.5    .1       .6       .7  0
  1003.5   1004.5   17.9 333    .1   22 140  7.7  7.5    .0      2.4       .6  0
  1005.5   1006.5   20.1 334    .1   28 141  7.7  7.5    .1      2.7       .9  0
  1007.5   1008.5   19.2 338    .1   37 139  7.6  7.5    .2      2.5       .8  0
  1009.5   1010.5   19.7 329    .1   48 133  7.6  7.5    .0      2.6       .7  0
  1011.5   1012.5 C 13.3 304    .1   56 123  7.6  7.5    .8      2.5       .2  0
  1013.5   1014.5 C 16.5 289    .1   53 110  7.6  7.5    .7      2.2       .0  0
  1015.5   1016.5 C 29.4 267    .1   46  96  7.6  7.5   1.7      4.2      -.6  0
  1017.5   1018.5 C 19.4 235    .1   40  84  7.5  7.5   1.6      2.3     -1.3  0
  1019.5   1020.5 C 31.4 243    .1   34  74  7.5  7.5   2.0      4.5      -.9  0
  1021.5   1022.5   26.5 311    .1   36  64  7.5  7.6  -1.4      1.5      3.8  0
  1023.5   1024.5   25.9 316    .2   40  48  7.5  7.6  -1.1       .1      3.7  0
  1025.5   1026.5 C 28.0 337    .2   43  27  7.5  7.6  -2.2     -2.7      3.1  0


REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP  DIP DRFT DRFT AZ. DIA  DIA        DISPLACEMENTS
INTERVAL     GRADE ANG. AZ. ANG. AZ. NO.1 13   24      H12         H13        H24  M
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1027.5   1028.5    23.0 304    .3   43    4   7.5   7.5   -2.3      -1.8       2.6  0
1029.5   1030.5 C  24.9 289    .3   46  343   7.5   7.5   -3.0      -2.0       2.8  0
1031.5   1032.5 C  24.5 271    .2   53  326   7.6   7.5   -3.3      -2.0       2.7  0
1035.5   1036.5    44.7 231    .1   61  295   7.6   7.5   -4.2      -2.3       4.7  0
1037.5   1038.5    13.4   5    .1   59  278   7.6   7.5     .4       -.1      -1.8  0
1039.5   1040.5    36.3 357    .1   54  263   7.6   7.5    3.1        .4      -5.5  0
1041.5   1042.5 A  36.7 345    .1   49  251   7.6   7.5    3.3        .4      -5.6  0
1043.5   1044.5    37.5 331    .1   48  241   7.6   7.5    3.2        .0      -5.8  0
1047.5   1048.5 C   3.9 330    .1   49  225   7.6   7.6     .5        .1       -.5  0
1049.5   1050.5     3.9 330    .1   48  213   7.6   7.6     .5        .2       -.4  0
1051.5   1052.5 C   4.0 344    .1   45  199   7.6   7.6     .6        .4       -.3  0
1053.5   1054.5 C   4.7  23    .1   41  185   7.6   7.5     .4        .6        .2  0
1065.5   1066.5    41.0 334    .1   60  154   7.6   7.5    2.8       6.6        .0  0
1067.5   1068.5    40.1 324    .1   68  148   7.6   7.5    3.1       6.4       -.3  0
1069.5   1070.5 C  39.4 317    .2   74  139   7.6   7.5    3.1       6.3       -.2  0
1071.5   1072.5    37.4 320    .2   78  131   7.6   7.5    2.3       5.7        .9  0
1073.5   1074.5    36.6 313    .2   81  122   7.6   7.5    2.3       5.5       1.0  0
1075.5   1076.5 C  36.0 317    .2   81  114   7.6   7.5     .6       5.4       2.3  0
1077.5   1078.5    30.5 318    .2   76  109   7.6   7.5     .2       3.9       2.1  0
1079.5   1080.5 C  34.7 320    .2   71  103   7.6   7.5     .0       4.2       3.1  0
1081.5   1082.5    44.0 333    .2   66   96   7.6   7.5    -.4       3.9       6.1  0
1083.5   1084.5 C  36.3 314    .2   67   87   7.6   7.5    -.7       3.8       4.0  0
1085.5   1086.5    70.9 122    .2   75   77   7.6   7.5    -.8      -9.3      -9.2  0
1087.5   1088.5    17.5 313    .2   79   66   7.6   7.6    -.8        .9       2.2  0
1089.5   1090.5    17.9 307    .2   83   53   7.6   7.6    -.5        .6       2.2  0
1091.5   1092.5    85.1 120    .2   90   35   7.6   7.6    4.1       -.9     -10.9  0
1093.5   1094.5 C  84.2 101    .2   96   14   7.6   7.6    4.4       -.4      -8.5  0
1095.5   1096.5    45.7  93    .2  104  353   7.6   7.5    5.6       2.2      -8.3  0
1103.5   1104.5    46.1 233    .2   97  302   7.6   7.5   -4.7      -2.7       7.2  0
1105.5   1106.5 C  19.3 294    .2   94  290   7.6   7.5    -.5      -2.6       -.2  0
1107.5   1108.5 C  18.4 312    .2   92  279   7.6   7.5    -.6      -1.8      -1.2  0
1117.5   1118.5 C  14.1 326    .2   93  220   7.6   7.6     .4        .6      -1.8  0
1119.5   1120.5     3.7 313    .2   97  209   7.6   7.6     .0        .1       -.4  0
1121.5   1122.5     2.4 300    .2  101  195   7.6   7.6    -.1        .1       -.3  0
1123.5   1124.5    46.5  43    .1  103  179   7.6   7.6     .9       9.0       8.5  0
1125.5   1126.5    16.9  14    .1  106  164   7.6   7.6     .0       1.2        .7  0
1127.5   1128.5    10.9 356    .1  110  149   7.6   7.5     .0       1.3        .6  0
1129.5   1130.5    11.0 345    .1  115  137   7.6   7.5     .0       1.3        .7  0
1131.5   1132.5    10.4 335    .1  121  122   7.6   7.5     .0       1.2        .7  0
1133.5   1134.5     2.7 341    .1  128  108   7.6   7.5    -.1        .2        .3  0
1135.5   1136.5     4.7 356    .1  132   91   7.6   7.5    -.3        .0        .6  0
1137.5   1138.5 A    .1   0    .2  134   75   7.6   7.5    -.1        .0       -.0  0
1139.5   1140.5 A    .7 293    .2  137   60   7.6   7.5    -.1        .0        .0  0
1141.5   1142.5    28.5 351    .2  136   44   7.6   7.6   -3.1      -2.4       3.2  0
1143.5   1144.5    28.2 336    .2  135   30   7.6   7.6   -3.1      -2.3       3.2  0
1145.5   1146.5 C  27.3 320    .3  131   14   7.5   7.5   -3.0      -2.2       3.1  0
1147.5   1148.5 C  27.9 302    .3  125  356   7.5   7.5   -2.8      -2.3       3.2  0
1149.5   1150.5 C  19.3  76    .3  119  340   7.5   7.5    1.7        .3      -2.6  0
1151.5   1152.5    18.3  60    .4  113  324   7.5   7.5    1.5        .3      -2.5  0
1153.5   1154.5 C  18.2 317    .4  108  310   7.5   7.5    -.4      -2.4       -.3  0
1155.5   1156.5    10.6 263    .4  103  297   7.6   7.5    -.4      -1.2        .8  0
1157.5   1158.5     5.3 282    .4   98  267   7.7   7.5     .1       -.6       -.0  0
1159.5   1160.5     1.9 335    .5   96  284   7.8   7.5     .4       -.1       -.2  0
1161.5   1162.5     1.2 351    .5   95  283   7.9   7.5     .1        .0       -.1  0
1163.5   1164.5     2.1 145    .5  101  290   7.8   7.5     .9        .3        .1  0



REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CURR.  DIP   DIP DRFT DRFT AZ. DIA  DIA          DISPLACEMENTS
INTERVAL    GRADE ANG. AZ. ANG. AZ. NO.1 13   24      H12          H13          H24  M
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1173.5   1174.5   59.0 151   .5 102 251   7.7   7.5    -1.5        4.7        7.8   0
1175.5   1176.5 0  4.7   7   .5 104 254   7.8   7.5      .6         .6        -.3   0
1177.5   1178.5    9.5 344   .5 109 258   7.8   7.5      .6        -.6       -1.1   0
1187.5   1188.5 0 42.3 356   .4 112 241   7.6   7.5     4.3        3.1       -6.0   0
1189.5   1190.5   10.4 199   .4 110 227   7.5   7.5      .1        -.4       -1.2   0
1191.5   1192.5    4.1 305   .4 108 215   7.5   7.5      .1         .0       -1.2   0
1193.5   1194.5    5.2 283   .4 104 204   7.5   7.5      .1        -.2       -1.0   0
1195.5   1196.5 0  7.5 282   .4 101 198   7.5   7.5      .0        -.1        -.9   0
1199.5   1200.5 0 14.7 155   .4 102 199   7.5   7.5     -.5       -1.9         .5   0
1201.5   1202.5 0  6.6 159   .4 104 200   7.4   7.5    -1.1        -.8         .8   0
1203.5   1204.5 0 55.3  16   .4 105 198   7.3   7.5     6.5       11.9         .1   0
1205.5   1206.5 0 49.3  50   .4 105 195   7.3   7.6      .5       10.2        7.5   0
1207.5   1208.5   59.2 336   .4 105 194   7.3   7.6     9.1        9.6       -7.7   0
1209.5   1210.5   55.3 236   .4 107 193   7.4   7.6      .5       -7.5       -7.8   0
1211.5   1212.5    2.6 224   .4 110 193   7.4   7.7      .0        -.3        -.1   0
1213.5   1214.5 0 39.9  65   .3 115 191   7.4   7.6     -.0        3.6        5.2   0
1215.5   1216.5 0 42.0  52   .3 121 188   7.4   7.5    -1.0        4.7        4.8   0
1217.5   1218.5 0 46.0 305   .3 125 179   7.4   7.5     6.0        4.6       -6.3   0
1219.5   1220.5 0 40.7 287   .3 125 168   7.4   7.4     6.2        3.7       -6.7   0
1221.5   1222.5 0 18.2  68   .3 121 154   7.3   7.2     -.8        -.2        2.4   0
1223.5   1224.5 C 47.9 235   .3 119 146   7.3   7.3     3.0        -.2       -8.0   0
1241.5   1242.5 0 52.5 263   .1 132 123   7.3   7.1     7.1        7.3       -6.0   0
1243.5   1244.5 C 52.5 162   .1 131 116   7.3   7.0     -.1       -6.6       -6.6   0
1249.5   1250.5 0 49.5 171   .2 131 106   7.0   6.7     2.0       -3.6       -7.1   0
1251.5   1252.5   63.4 341   .2 135 107   7.0   6.8    -1.4        8.2       10.8   0
1253.5   1254.5 0 31.5 224   .2 137 106   7.0   6.8     6.4        4.1       -7.5   0
1255.5   1256.5 0 33.0 316   .2 140 105   7.0   6.8     2.0        4.1        2.0   0
1261.5   1262.5 0 39.1 192   .2 143  93   6.9   6.7     3.2         .8       -5.4   0
1279.5   1280.5 0 62.1 304   .3 150  70   7.2   7.1    -2.4        7.9       10.7   0
1281.5   1282.5 C 65.2  23   .3 154  67   7.3   7.1   -10.7      -11.2       10.6   0
1285.5   1286.5    5.5  94   .4 154  45   7.3   7.2      .0        -.6        -.9   0
1291.5   1292.5 0 16.3  36   .4 131 354   7.3   7.3     -.4       -1.7       -1.7   0
1297.5   1298.5 0 15.0 255   .4 120 333   7.3   7.4     -.7        -.4        2.0   0
1299.5   1300.5 0 56.0 192   .4 119 330   7.3   7.4    -1.3        7.3        8.1   0
1301.5   1302.5   15.0 328   .4 121 329   7.3   7.4     -.1       -1.9         .0   0
1303.5   1304.5 2 20.1 320   .4 121 324   7.3   7.3    -1.4       -3.5         .2   0
1305.5   1306.5 0 26.2 316   .4 120 316   7.3   7.3    -1.3       -3.5         .2   0
1307.5   1308.5 0 25.0 301   .4 118 305   7.2   7.3     -.8       -3.3         .2   0
1309.5   1310.5 0 39.9 282   .4 114 291   7.3   7.3    -3.4       -5.9         .9   0
1311.5   1312.5   34.5 333   .4 111 278   7.3   7.3     -.1       -2.8       -4.0   0
1313.5   1314.5   33.0 322   .5 108 265   7.4   7.3      .0       -2.6       -4.0   0
1315.5   1316.5 0 12.7 354   .5 105 255   7.4   7.3      .4         .3       -1.6   0
1317.5   1318.5   52.0 291   .5 103 247   7.4   7.3    -2.7      -11.7       -7.7   0
1319.5   1320.5   42.4  94   .4 101 242   7.5   7.3     2.0        7.3        4.6   0
1323.5   1324.5 0 42.4 254   .4 101 239   7.5   7.3    -2.4       -6.4       -2.2   0
1325.5   1326.5 0 65.7  16   .4 102 240   7.4   7.2    11.8       11.9      -11.0   0
1327.5   1328.5 0 21.1 304   .4 102 238   7.4   7.2      .4       -1.1       -2.5   0
1331.5   1332.5 0 62.6 225   .4 100 234   7.3   7.2    -4.9       -9.4        1.6   0
1337.5   1338.5 0  9.0 302   .4  98 226   7.4   7.1     -.0        -.2       -1.0   0
1339.5   1340.5 0  9.9 314   .4  96 221   7.4   7.1      .0         .1       -1.2   0
1341.5   1342.5 0 10.3 302   .4  93 215   7.4   7.1      .0        -.0       -1.3   0
1343.5   1344.5 0 16.5 152   .4  92 214   7.3   7.0    -1.1       -1.1        2.1   0
1345.5   1346.5 0 53.0 330   .4  93 213   7.3   7.0     6.4        4.4       -8.2   0
1349.5   1350.5 0 27.4  17   .4  97 212   7.3   7.2     2.6        3.7        -.9   0
1351.5   1352.5 0 26.0  14   .4  95 209   7.3   7.2     2.7        3.6        -.9   0



REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP  DIP DRFT DRFT AZ. DIA  DIA         DISPLACEMENTS
INTERVAL     GRADE ANG. AZ. ANG. AZ. NO.1 13   24      H12         H13          H24   M
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1353.5   1354.5 A 22.6   4   .4  93 207  7.3  7.2    2.0      2.9     -.9  0
1355.5   1356.5 A 25.1   4   .4  91 208  7.3  7.2    2.1      3.2    -1.1  0
1357.5   1358.5 A 43.0 245   .4  93 214  7.3  7.2   -1.8     -5.7    -3.4  0
1361.5   1362.5 C  7.9  40   .4  97 222  7.4  7.2     .4      1.0      .0  0
1363.5   1364.5   25.0 100   .4 101 225  7.4  7.2   -1.6     -1.8     2.9  0
1365.5   1366.5   22.2 147   .4 103 223  7.5  7.2   -1.9      -.7     2.9  0
1369.5   1370.5   39.1 159   .3 108 213  7.5  7.2   -3.3     -3.6     4.8  0
1371.5   1372.5 C 35.6 182   .3 107 202  7.5  7.2   -4.6     -5.6     2.0  0
1377.5   1378.5   25.7  40   .2 103 179  7.5  7.2     .6      2.7     2.3  0
1379.5   1380.5 C 24.8  36   .3 103 177  7.4  7.2     .6      3.1     2.4  0
1381.5   1382.5   29.0  20   .3 102 175  7.5  7.2     .4      3.6     2.1  0
1383.5   1384.5   30.0  26   .3 102 174  7.4  7.2     .4      3.7     2.3  0
1385.5   1386.5   13.3   7   .3 103 175  7.4  7.1     .8      1.7      .4  0
1391.5   1392.5   62.1 305   .3 109 178  7.3  7.2    9.3      8.3   -10.7  0
1405.5   1406.5   17.0 236   .1 120 163  7.3  7.2     .5      -.6    -2.1  0
1409.5   1410.5 A  4.2 279   .1 116 160  7.3  7.2     .2       .2     -.4  0
1411.5   1412.5   44.7  66   .1 116 161  7.3  7.3   -3.6       .3     7.2  0
1415.5   1416.5 B  2.5 137   .1 115 163  7.3  7.3   -1.0      -.3      .1  0
1417.5   1418.5 B  1.8  99   .2 118 164  7.3  7.3    -.7      -.1      .2  0
1419.5   1420.5 D  9.1 255   .2 120 164  7.2  7.3    -.1       .0    -1.2  0
1421.5   1422.5    9.9 254   .2 124 164  7.3  7.3     .0       .0    -1.2  0
1423.5   1424.5 C  9.2 256   .2 132 167  7.3  7.3     .2       .2    -1.2  0
1425.5   1426.5   10.5 278   .2 137 165  7.3  7.3     .7       .5    -1.2  0
1427.5   1428.5    8.1 266   .2 143 164  7.4  7.3     .5       .2    -1.0  0
1429.5   1430.5 A 10.1 276   .2 149 160  7.4  7.3     .8       .6    -1.2  0
1431.5   1432.5    7.8 243   .2 154 153  7.4  7.3     .8      -.0    -1.0  0
1437.5   1438.5   21.4 165   .3 164 121  7.3  7.3     .1     -2.1    -2.0  0
1439.5   1440.5   17.4 167   .3 164 104  7.4  7.3     .1     -1.0    -2.1  0
1441.5   1442.5 A 12.0 355   .4 163  85  7.4  7.3    -.4      -.1     1.5  0
1443.5   1444.5 A 11.5 347   .4 157  64  7.5  7.3    -.5      -.3     1.4  0
1445.5   1446.5 A 12.8 323   .4 151  46  7.5  7.3    -.6      -.2     1.6  0
1447.5   1448.5 A  7.7 317   .4 146  31  7.5  7.3    -.8      -.2      .9  0
1449.5   1450.5 C 43.0 356   .4 142  21  7.5  7.3   -1.9     -2.9     1.2  0
1451.5   1452.5   16.7 264   .4 138  12  7.4  7.2    -.2       .8     2.3  0
1453.5   1454.5   48.9 276   .4 133   6  7.4  7.2   -3.4      -.0     8.2  0
1459.5   1460.5   19.7 284   .3 150   8  7.4  7.2   -1.5      -.2     2.5  0
1461.5   1462.5   19.7 276   .3 157   0  7.5  7.3   -1.5      -.2     2.6  0
1463.5   1464.5   50.5  67   .3 157 339  7.5  7.3    4.2      -.1    -8.8  0
1465.5   1466.5   54.4  35   .3 151 307  7.5  7.3    4.2      -.1    -8.8  0
1469.5   1470.5   42.9 155   .3 139 242  7.4  7.3   -3.2      -.3     6.7  0
1471.5   1472.5 C 39.8 202   .3 132 217  7.4  7.3   -3.6     -6.0     1.4  0
1473.5   1474.5   11.0 134   .3 131 202  7.4  7.3    -.9      -.6     1.3  0
1475.5   1476.5 D  9.8 138   .2 134 193  7.4  7.3    -.3      -.7     1.0  0
1477.5   1478.5   10.9 124   .2 142 189  7.4  7.3    -.2      -.6     1.3  0
1479.5   1480.5 A 11.1 245   .2 158 187  7.4  7.3     .0      -.8    -1.2  0
1481.5   1482.5 A  9.6 239   .2 171 176  7.4  7.3     .1      -.6    -1.1  0
1483.5   1484.5   61.3  19   .2 179 160  7.4  7.3     .1     10.3     8.5  0
1485.5   1486.5   20.3 354   .3 185 142  7.4  7.3     .2      2.3     1.4  0
1487.5   1488.5 C 14.5 344   .3 187 122  7.5  7.3     .0      1.4     1.2  0
1489.5   1490.5 D 12.2  41   .4 184  96  7.5  7.3    -.3      -.9     1.2  0
1491.5   1492.5   54.8 113   .4 174  65  7.5  7.3    -.1     -7.1    -7.8  0
1493.5   1494.5   55.1  30   .4 157  31  7.5  7.3    -.4     -7.1    -7.8  0
1495.5   1496.5 C 62.8 146   .4 139   4  7.5  7.2   10.7     11.7    -8.8  0
1497.5   1498.5   14.0 278   .4 128 354  7.4  7.2    -.2      -.4     1.7  0
1499.5   1500.5 C 17.0 275   .4 129   2  7.4  7.2    -.3      -.1     2.2  0



REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CURV.  DIP  DIP DEFT DEFT AZ. DIA  DIA          DISPLACEMENTS
INTERVAL     GRADE ANG. AZ. ANG. AZ. NO.1 13   24       H12          H13          H24  M
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  1501.5   1502.5 0 18.0 261   .4 136  16  7.4  7.2     -.2      1.0      2.1  0
  1503.5   1504.5 0 15.6 279   .4 145  30  7.4  7.2     -.2       .9      2.2  0
  1505.5   1506.5 0 61.7 357   .4 158  45  7.4  7.2    -8.5     -8.9      9.7  0
  1507.5   1508.5 0  5.0 202   .4 167  47  7.4  7.2     -.0       .8      -.4  0
  1509.5   1510.5 0 13.0 314   .4 167  35  7.4  7.3      .5      1.7      -.0  0
  1511.5   1512.5 0 10.4 192   .4 159  14  7.4  7.4      .5      1.4       .0  0
  1513.5   1514.5 0  7.1 181   .4 146 348  7.4  7.4      .3       .9       .2  0
  1515.5   1516.5 0  6.3 179   .3 139 333  7.4  7.4      .0      1.0       .4  0
  1517.5   1518.5   14.1 227   .3 143 331  7.4  7.4     -.2       .5      1.8  0
  1519.5   1520.5 0 21.5 224   .3 151 327  7.3  7.4     -.5       .7      2.8  0
  1521.5   1522.5 0 18.1 206   .3 156 310  7.3  7.4     -.5       .8      2.3  0
  1523.5   1524.5 0  5.9 197   .3 155 282  7.3  7.5     -.3      -.0       .8  0
  1525.5   1526.5 0  5.5 161   .3 152 250  7.4  7.5     -.2      -.2       .7  0
  1527.5   1528.5 0  7.4 196   .2 150 221  7.4  7.4      .0       .4       .9  0
  1529.5   1530.5 0 64.9 333   .2 147 200  7.4  7.4    11.0     10.8    -11.4  0
  1533.5   1534.5 0 19.5 271   .2 134 168  7.3  7.4     2.5       .5     -2.5  0
  1535.5   1536.5 0 57.7 334   .2 127 162  7.2  7.4     6.8     11.3     -1.5  0
  1537.5   1538.5 0 49.4 141   .2 124 162  7.2  7.4    -5.3     -8.1      3.1  0
  1539.5   1540.5 0 46.4 153   .2 128 169  7.3  7.4    -5.3     -7.9      2.3  0
  1541.5   1542.5 0 34.5 130   .2 133 173  7.3  7.4    -4.0     -3.7      3.5  0
  1543.5   1544.5 0 30.1 141   .2 137 175  7.3  7.4    -3.6     -3.5      2.4  0
  1545.5   1546.5 0 39.4 225   .2 142 175  7.3  7.3     1.0     -3.9     -4.6  0
  1547.5   1548.5 0 19.9 253   .3 145 170  7.3  7.4     1.2      -.3     -2.5  0
  1549.5   1550.5 0 29.3 261   .3 147 164  7.3  7.4     1.0       .3     -2.7  0
  1551.5   1552.5 0  4.5 346   .3 147 156  7.3  7.4     1.2       .0     -1.1  0
  1553.5   1554.5 0  5.7 226   .3 143 147  7.3  7.4     1.1      -.2      -.8  0
  1555.5   1556.5 0 28.5 247   .3 141 142  7.3  7.4     2.0       .9     -3.9  0
  1565.5   1566.5 0 10.6 293   .3 133 142  7.3  7.4      .1      1.2      -.7  0
  1567.5   1568.5 0 14.9 275   .3 135 147  7.3  7.4     1.8      1.2     -1.5  0
  1569.5   1570.5 0 22.0 326   .3 140 152  7.2  7.4     1.3      2.8      -.3  0
  1571.5   1572.5 0  5.2 263   .3 141 151  7.2  7.4     1.2       .4      -.5  0
  1573.5   1574.5 0  9.3 257   .3 141 148  7.2  7.5      .7       .3     -1.2  0
  1575.5   1576.5 0 16.0 275   .2 141 146  7.2  7.5     1.2       .9     -1.0  0
  1577.5   1578.5 0 14.2 270   .2 141 142  7.2  7.5     1.1      1.1     -1.5  0
  1579.5   1580.5 0 16.0 249   .2 144 144  7.2  7.5     1.2       .5     -2.1  0
  1581.5   1582.5 0 16.5 265   .2 150 146  7.2  7.5     1.0      1.0     -1.9  0
  1583.5   1584.5 0  7.6 341   .2 156 143  7.3  7.4      .1       .9       .3  0
  1585.5   1586.5 0  6.2 332   .2 166 140  7.3  7.3      .5       .7       .1  0
  1587.5   1588.5 0 12.6 353   .3 175 131  7.3  7.3      .9      1.2      1.1  0
  1589.5   1590.5 0 31.8 266   .3 179 111  7.4  7.3     7.0      8.3     -4.0  0
  1591.5   1592.5 0 84.5  85   .4 181  89  7.3  7.3    -5.2    -10.3       .7  0
  1599.5   1600.5 0  1.7 295   .4 138 315  7.3  7.4      .0      -.1       .1  0
  1601.5   1602.5    2.6 254   .4 124 288  7.3  7.4      .0      -.2       .2  0
  1603.5   1604.5    3.2 250   .4 115 271  7.2  7.4     -.0      -.3      -.0  0
  1605.5   1606.5    2.9 269   .4 109 261  7.3  7.3      .0      -.3      -.1  0
  1607.5   1608.5 0  5.9 315   .5 106 257  7.3  7.3      .2      -.4      -.7  0
  1609.5   1610.5 0  8.8 319   .5 108 258  7.4  7.3      .2      -.5      -.9  0
  1611.5   1612.5 0 16.4 329   .4 108 257  7.4  7.3      .6      -.6     -2.0  0
  1613.5   1614.5 0 56.7 193   .4 111 259  7.4  7.3    -7.4     -4.5     10.2  0
  1615.5   1616.5 0 50.9 192   .4 115 261  7.3  7.3    -5.3     -3.1      8.5  0
  1619.5   1620.5 0 52.4 192   .3 125 259  7.3  7.4    -5.9     -3.8      8.8  0
  1631.5   1632.5 0 40.4  79   .2 170 167  7.3  7.3    -3.9      -.3      6.2  0
  1633.5   1634.5 0 31.1 224   .2 166 139  7.3  7.3     2.3      -.4     -4.4  0
  1643.5   1644.5 0 31.8 230   .3 147 123  7.5  7.2     1.9      1.3     -4.3  0
  1645.5   1646.5 0 31.2 211   .3 150 123  7.4  7.2     1.6      -.2     -4.4  0




 REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

 CORRELATION CORR. DIP  DIP DRFT DRFT AZ. DIA  DIA        DISPLACEMENTS
 INTERVAL     GRADE ANG. AZ. ANG. AZ. NO.1 13   24      H12         H13        H24  M
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1655.5   1656.5 C 17.5 174   .4 173 102   7.4   7.2      .8      -.7     -2.2  0
1659.5   1660.5 C  3.6 351   .4 172  52   7.4   7.2     -.8      -.2       .3  0
1661.5   1662.5   19.5  36   .4 159  13   7.4   7.2      .2      -.6     -2.5  0
1663.5   1664.5   19.5  35   .4 147 342   7.4   7.2      .5      -.7     -2.5  0
1665.5   1666.5   21.0  20   .4 134 314   7.4   7.2      .9      -.7     -2.6  0
1667.5   1668.5   12.9   5   .4 126 297   7.4   7.2     1.1      -.8     -2.3  0
1669.5   1670.5    5.1 290   .4 123 292   7.4   7.2      .2      -.6      -.0  0
1671.5   1672.5    3.1 286   .4 122 288   7.4   7.2      .2     -1.0      .0  0
1673.5   1674.5 C  3.5 264   .4 119 284   7.4   7.2      .3      -.6       .0  0
1675.5   1676.5   10.0 113   .4 118 284   7.4   7.2     -.2      1.3       .2  0
1677.5   1678.5   10.2 201   .4 119 286   7.4   7.2     -.5      -.0      1.3  0
1679.5   1680.5    7.5 265   .4 121 290   7.4   7.2     -.6      -.0       .9  0
1681.5   1682.5    5.2 233   .4 124 294   7.4   7.2     -.7      -.3       .6  0
1683.5   1684.5 C  2.0 237   .4 127 294   7.4   7.2     -.1      -.3       .5  0
1685.5   1686.5    2.5 259   .4 128 292   7.4   7.2     -.0      -.2       .2  0
1687.5   1688.5    3.0 225   .4 126 286   7.4   7.2      .1      -.1       .3  0
1689.5   1690.5    1.5 272   .4 128 281   7.4   7.2      .0      -.1       .0  0
1691.5   1692.5    1.6 297   .4 130 275   7.4   7.2     -.1      -.1      -.0  0
1693.5   1694.5 C  3.4 278   .3 132 268   7.4   7.2     -.3      -.4      -.0  0
1695.5   1696.5    3.1 227   .3 137 260   7.4   7.3     -.3      -.3       .2  0
1697.5   1698.5    3.2 225   .3 141 248   7.4   7.3     -.3      -.6       .3  0
1699.5   1700.5    1.6 143   .3 145 234   7.4   7.3     -.0       .0       .2  0
1701.5   1702.5    1.4 107   .3 150 219   7.4   7.3      .1       .0       .2  0
1703.5   1704.5    4.3 319   .3 151 199   7.3   7.3      .5       .2      -.4  0
1705.5   1706.5    6.2 304   .3 150 181   7.4   7.3      .7       .4      -.6  0
1707.5   1708.5    4.6 270   .3 147 165   7.4   7.3      .7       .2     -1.0  0
1709.5   1710.5     .0 261   .3 141 150   7.4   7.3      .7       .4     -1.0  0
1711.5   1712.5    7.3 360   .3 137 143   7.4   7.3      .9       .4      -.8  0
1713.5   1714.5 C  5.9 267   .3 135 142   7.4   7.3      .4       .2      -.4  0
1715.5   1716.5     .9 254   .3 137 144   7.4   7.3      .1       .0      -.1  0
1717.5   1718.5    1.6 177   .3 139 147   7.4   7.3      .0      -.2      -.1  0
1719.5   1720.5    3.2 155   .3 140 148   7.3   7.3     -.1      -.4      -.0  0
1721.5   1722.5    2.1 225   .3 144 150   7.3   7.3     -.2      -.1      -.2  0
1723.5   1724.5    3.7 265   .3 149 151   7.4   7.3     -.0       .1      -.4  0
1725.5   1726.5    4.0 262   .3 150 145   7.4   7.2      .2       .4      -.4  0
1727.5   1728.5    4.1 265   .3 147 136   7.4   7.2      .7       .3      -.4  0
1729.5   1730.5    3.2 225   .3 137 123   7.4   7.2      .6       .0      -.4  0
1731.5   1732.5    2.0 225   .3 124 113   7.4   7.2      .9       .1      -.3  0
1733.5   1734.5 C 13.4 179   .3 119 119   7.4   7.2     -.3      -.9     -1.5  0
1735.5   1736.5 C 17.3 188   .3 119 129   7.4   7.2      .0     -1.2     -1.9  0
1737.5   1738.5   15.1 203   .3 126 143   7.4   7.3      .0     -1.2     -2.0  0
1739.5   1740.5   19.5 216   .3 130 150   7.4   7.4      .1     -1.2     -2.3  0
1745.5   1746.5 C  4.7 267   .3 131 154   7.3   7.4      .6       .4     -1.2  0
1751.5   1752.5    4.6 360   .3 136 151   7.3   7.3     1.1       .5       .3  0
1755.5   1756.5   63.4   5   .3 128 140   7.3   7.3      .1     10.9     11.3  0
1757.5   1758.5   55.0   4   .3 125 139   7.2   7.3      .5     11.2     11.2  0
1759.5   1760.5   16.0 263   .3 122 142   7.2   7.3      .6      1.1     -1.8  0
1761.5   1762.5 C 15.0 264   .3 123 147   7.2   7.2      .5       .9     -1.8  0
1763.5   1764.5   13.5 266   .3 123 149   7.2   7.2     1.3      1.1     -1.2  0
1765.5   1766.5     .6 195   .3 121 150   7.2   7.3      .2      -.1      -.0  0
1767.5   1768.5    1.0 235   .3 122 154   7.2   7.3      .5      -.0      -.1  0
1769.5   1770.5    6.9 250   .3 124 157   7.2   7.3      .6       .1      -.8  0
1771.5   1772.5 C  4.4 262   .3 129 162   7.2   7.4      .6       .1     -1.0  0
1773.5   1774.5   10.7 260   .3 137 168   7.3   7.4      .9       .2     -1.3  0
1775.5   1776.5   22.7 233   .3 144 167   7.3   7.3      .5     -1.2     -2.8  0




REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP   DIP DRFT DRFT AZ. DIA  DIA        DISPLACEMENTS
INTERVAL    GRADE ANG. AZ. AVG. AZ. NO.1 13   24      H12        H13        H24  M
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1777.5  1778.5 0  12.0 175  .3 151 161  7.3  7.3     .3      -1.5     -.3  0
1781.5  1782.5 0   6.2 132  .4 156 133  7.3  7.3     .1      -1.1     .0   0
1783.5  1784.5 2   4.4 295  .4 152 112  7.4  7.3     .4       1.0     .0   0
1785.5  1786.5 0   7.9 265  .4 145  92  7.4  7.3     .3       1.0     .1   0
1787.5  1788.5 0   3.9 271  .4 141  79  7.4  7.2     .3        .8     .1   0
1789.5  1790.5 0   7.5 273  .4 142  72  7.4  7.3     .4        .9     .3   0
1791.5  1792.5 0   3.3 293  .4 144  66  7.5  7.3     .1        .4     .5   0
1793.5  1794.5 0   4.0 244  .4 147  60  7.4  7.3     .0        .4     .3   0
1795.5  1796.5 0   4.3 263  .4 145  48  7.4  7.3     .0        .3     .4   0
1797.5  1798.5 0   6.3 265  .4 141  35  7.4  7.2    -.0        .3     .7   0
1799.5  1800.5 0   7.4 281  .4 139  27  7.3  7.2    -.1        .3     .8   0
1801.5  1802.5 0  15.1 230  .4 136  20  7.3  7.1    -.5        .3    1.8   0
1805.5  1806.5 0  27.2 292  .4 135  13  7.3  7.2    -.7       1.0    2.4   0
1807.5  1808.5 0  22.1 241  .4 132   7  7.4  7.2   -1.2       1.6    2.1   0
1809.5  1810.5 0  14.3 324  .4 129   2  7.4  7.3    -.6       1.8    1.6   0
1811.5  1812.5 0  10.7 243  .4 126 359  7.4  7.3    -.3        .6    1.2   0
1813.5  1814.5 0  10.5 223  .4 125 357  7.4  7.3    -.0       1.0     .9   0
1817.5  1818.5 0  50.5 231  .4 118 350  7.4  7.3    -.9       4.5    7.7   0
1833.5  1834.5 0  10.2 211  .5 110 323  7.4  7.3    -.7        .5    1.2   0
1835.5  1836.5 0   9.9 191  .5 114 327  7.4  7.3    -.5       1.0     .8   0
1837.5  1838.5 0   9.5 185  .5 114 324  7.5  7.3    -.6       1.0     .8   0
1839.5  1840.5 0   8.5 167  .5 108 317  7.5  7.3    -.7       1.0     .5   0
1841.5  1842.5 0   7.1 186  .5 103 312  7.5  7.3    -.7        .6     .7   0
1843.5  1844.5 0    .5 120  .5 100 314  7.5  7.2    -.5        .1    -.0   0
1845.5  1846.5 0   2.9 309  .5 105 322  7.5  7.3    -.2        .2     .3   0
1847.5  1848.5 0   5.9 227  .5 106 326  7.5  7.3    -.2        .2     .7   0
1849.5  1850.5 0   7.3 242  .5 111 327  7.5  7.3    -.2       -.0     .9   0
1851.5  1852.5 0  14.4 233  .5 109 320  7.4  7.4    -.4       -.0    1.8   0
1853.5  1854.5 0  11.2 250  .5 105 312  7.4  7.3    -.6       -.8    1.1   0
1855.5  1856.5 0   6.6 273  .5 104 307  7.4  7.3    -.5       -.6     .4   0
1857.5  1858.5 0   7.4 293  .5 102 304  7.3  7.2    -.5       -.9     .1   0
1859.5  1860.5 0   4.5 234  .5 101 303  7.3  7.2    -.2      -1.2     .1   0
1861.5  1862.5 0  10.6 301  .5 101 302  7.2  7.2     .0      -1.3     .0   0
1863.5  1864.5 0  11.1 302  .5 102 302  7.2  7.2    -.0      -1.3    -.0   0
1865.5  1866.5 0   7.2 303  .5 102 299  7.2  7.2    -.0       -.8    -.1   0
1867.5  1868.5 0   4.5 302  .5 100 295  7.3  7.2    -.1       -.5    -.1   0
1869.5  1870.5 0   5.5 297  .5  98 292  7.4  7.2    -.1       -.6    -.1   0
1871.5  1872.5 0   5.0 283  .5  96 292  7.4  7.2    -.2       -.6     .1   0
1873.5  1874.5 0   6.3 295  .5  98 299  7.3  7.2    -.2       -.7     .0   0
1875.5  1876.5 0  21.2 312  .5 102 310  7.3  7.2    -.7      -2.8    -.1   0
1881.5  1882.5 0  50.4 272  .5 109 325  7.4  7.3   -5.3      -5.0    6.7   0
1883.5  1884.5 0  17.2 240  .5 106 324  7.3  7.3   -1.0      -1.8    1.2   0
1893.5  1894.5 0  61.1 355  .5 104 330  7.3  7.3   -1.7     -11.6   -6.4   0
1895.5  1896.5 0  23.3 267  .5 106 329  7.4  7.4   -1.4      -2.3    2.1   0
1897.5  1898.5 0  15.4 286  .5 110 321  7.5  7.4   -1.3      -1.9    1.4   0
1899.5  1900.5 0  16.6 276  .5 111 307  7.5  7.4   -1.2      -1.8    1.1   0
1901.5  1902.5 0  15.6 262  .5 110 287  7.4  7.3   -1.2      -1.8     .8   0
1903.5  1904.5 0  13.1 261  .5 104 262  7.4  7.2   -1.0      -1.6     .0   0
1913.5  1914.5 0   5.9 336  .5  95 206  7.2  7.3    -.2        .5    -.5   0
1915.5  1916.5 0   6.0   4  .5  94 200  7.2  7.3     .4        .7    -.1   0
1917.5  1918.5 0   6.9 100  .5  90 193  7.2  7.3     .0        .0     .9   0
1925.5  1926.5 0  12.2 260  .5  85 191  7.3  7.4    1.4       -.3   -1.5   0
1927.5  1928.5 0  57.4 284  .5  87 195  7.3  7.4    5.1       -.3  -11.3   0
1929.5  1930.5 0   9.0 263  .5  88 197  7.2  7.4    1.2       -.4   -1.0   0
1931.5  1932.5 0   6.0 249  .5  88 197  7.3  7.3     .3       -.4    -.5   0




REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP  DIP DRFT DRFT AZ. DIA  DIA         DISPLACEMENTS
INTERVAL     GRADE MAG. AZ. ANG. AZ. NO.1 13   24      H12         H13         H24  M
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1933.5  1934.5    5.6 212   .5  86 194  7.3  7.3    -.3     -.6    -.1  0
1935.5  1936.5    5.5 215   .5  85 194  7.3  7.3    -.2     -.8    -.2  0
1937.5  1938.5    7.5 220   .5  87 196  7.4  7.3    -.2     -.9    -.3  0
1939.5  1940.5   11.7 232   .5  87 196  7.3  7.3    -.2    -1.2    -.8  0
1941.5  1942.5    5.7 261   .5  89 197  7.3  7.3    -.1     -.5    -.4  0
1943.5  1944.5    4.7 347   .5  88 194  7.3  7.3    -.4      .5    -.2  0
1945.5  1946.5 0  5.2 355   .5  88 193  7.3  7.3    -.3      .6    -.1  0
1947.5  1948.5 0  2.3   4   .5  86 192  7.3  7.3     .3      .3     .0  0
1949.5  1950.5 0  3.6 276   .5  87 190  7.3  7.3     .5      .0    -.4  0
1955.5  1956.5 0 12.7  37   .5  85 185  7.3  7.3    -.6      .2    1.7  0
1957.5  1958.5    2.7 359   .5  85 185  7.3  7.3    -.2      .3     .0  0
1959.5  1960.5 0 45.1 110   .5  84 186  7.3  7.3   -5.1    -1.9    7.4  0
1965.5  1966.5   10.5 157   .5  81 188  7.4  7.3    -.3    -1.2     .6  0
1967.5  1968.5 0  2.7  96   .5  81 190  7.4  7.3    -.0      .1     .4  0
1969.5  1970.5    3.2 121   .6  81 191  7.5  7.3    -.2     -.1     .4  0
1979.5  1980.5 0 41.5  86   .6  80 209  7.4  7.2     .0     2.5    3.8  0
1981.5  1982.5 0  4.1 174   .6  84 215  7.4  7.2    -.0     -.3     .4  0
1983.5  1984.5 0  4.1 222   .6  89 215  7.4  7.3    -.3     -.5     .0  0
1985.5  1986.5 0 13.3 285   .6  92 209  7.4  7.3     .6     -.4   -1.6  0
1987.5  1988.5 0  6.5 112   .6  93 200  7.4  7.3    -.2     -.0     .9  0
1989.5  1990.5 0  1.6 152   .6  91 190  7.4  7.3    -.1     -.1     .2  0
1999.5  2000.5 0 43.6 302   .5  80 172  7.4  7.3    9.8     9.4  -11.1  0
2001.5  2002.5    7.1 260   .6  81 176  7.4  7.4    -.5     -.3   -1.0  0
2007.5  2008.5   27.0 120   .5  87 168  7.4  7.4   -2.7    -1.4    3.6  0
2015.5  2016.5 0 16.3 272   .6  87 178  7.4  7.5    1.7      .2   -2.4  0
2017.5  2018.5 0 51.6  40   .6  87 175  7.4  7.5    -.6     6.7    6.7  0
2019.5  2020.5   12.6 251   .6  87 173  7.4  7.4     .0     -.3   -1.5  0
2021.5  2022.5    4.4 245   .6  87 170  7.4  7.4    -.0     -.3   -1.0  0
2023.5  2024.5    9.0 255   .6  88 168  7.4  7.5    -.3      .0   -1.1  0
2025.5  2026.5    4.2 255   .6  90 165  7.4  7.5     .0     -.0   -1.0  0
2027.5  2028.5    4.7 253   .6  92 162  7.4  7.5     .2      .1   -1.2  0
2029.5  2030.5   14.5 253   .6  96 157  7.5  7.5     .3      .1   -1.8  0
2031.5  2032.5 0 11.4 243   .6  98 149  7.5  7.5     .4      .0   -1.4  0
2033.5  2034.5   14.7 237   .6  97 139  7.5  7.5     .5      .1   -1.3  0
2035.5  2036.5   13.2 234   .5  95 130  7.5  7.4    1.0      .3   -1.6  0
2037.5  2038.5   17.7 235   .5  93 126  7.4  7.4    1.0      .7   -2.2  0
2039.5  2040.5   21.1 233   .5  91 127  7.4  7.4    1.1      .7   -2.5  0
2041.5  2042.5   44.7 183   .5  91 129  7.4  7.4    1.0    -6.8   -9.0  0
2043.5  2044.5    7.5 176   .5  90 132  7.4  7.4     .9    -2.8   -2.6  0
2045.5  2046.5 0 21.3 260   .5  92 137  7.4  7.4     .9    -1.3   -2.4  0
2047.5  2048.5   20.4 202   .5  97 140  7.4  7.4     .6    -1.3   -2.4  0
2049.5  2050.5   15.4 223   .6 104 139  7.4  7.4     .7     -.2   -2.0  0
2051.5  2052.5 0 11.5 221   .6 112 130  7.4  7.5     .5     -.0   -1.5  0
2053.5  2054.5 0 14.3 204   .6 114 113  7.5  7.5     .4     -.0   -1.3  0
2055.5  2056.5    5.9 101   .6 111  93  7.5  7.5     .3     -.1    -.8  0
2057.5  2058.5 0  2.7 310   .6 107  77  7.5  7.5     .0      .1     .2  0
2059.5  2060.5    4.0 264   .6 105  70  7.5  7.5     .1      .4     .1  0
2061.5  2062.5    4.7 246   .6 106  64  7.5  7.5     .1      .5    -.0  0
2063.5  2064.5    5.4 243   .6 108  59  7.5  7.4     .1      .6    -.0  0
2065.5  2066.5 0  5.2 332   .7 108  50  7.4  7.4     .2      .7    -.0  0
2067.5  2068.5    9.9 215   .7 107  39  7.3  7.4     .2     1.2    -.1  0
2069.5  2070.5   12.5 226   .7 111  32  7.3  7.4     .3     1.5     .3  0
2081.5  2082.5   33.7 207   .8  89 340  7.3  7.3   -1.2     8.7    9.3  0
2083.5  2084.5   15.3 357   .9  91 342  7.3  7.3   -3.9     -.6    7.1  0
2091.5  2092.5   14.4 357   .9  92 308  7.3  7.4    -.6     -.7    1.0  0




REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR.  IP   IP DEFT DEFT AZ. DIA  DIA          DISPLACEMENTS
INTERVAL    GRADE DG. AZ. ANG. AZ. NO.1 13   24      H12         H13          H24  M
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 2093.5   2094.5   11.1 256    .9  88 293   7.3   7.4      -.4         -.9        .7  0
 2095.5   2096.5    6.7 271    .8  83 263   7.4   7.4      -.4        -1.0        .2  0
 2097.5   2098.5    7.6 266    .8  84 281   7.3   7.4      -.4         -.8        .2  0
 2099.5   2100.5    5.4 263    .8  85 280   7.3   7.4      -.4         -.6        .2  0
 2101.5   2102.5    6.5 262    .8  88 276   7.3   7.4      -.4         -.7        .2  0
 2103.5   2104.5    6.2 334    .8  91 268   7.3   7.4      -.2         -.6        .4  0
 2105.5   2106.5   14.2 322    .8  90 252   7.3   7.4       .3         -.5      -1.8  0
 2107.5   2108.5   15.1 292    .9  86 234   7.3   7.4       .1         -.8      -1.4  0
 2109.5   2110.5   10.7 276    .9  83 223   7.3   7.4       .1         -.7      -1.0  0
 2111.5   2112.5    4.0 270    .8  84 218   7.4   7.5       .1         -.6       -.8  0
 2113.5   2114.5    6.6 231    .8  85 214   7.4   7.5      -.1         -.7       -.2  0
 2115.5   2116.5    4.6 241    .8  84 209   7.4   7.5      -.0         -.4       -.2  0
 2117.5   2118.5    4.1 247    .8  85 207   7.4   7.5       .0         -.3       -.2  0
 2119.5   2120.5    3.5 253    .8  86 204   7.4   7.5       .0         -.3       -.3  0
 2121.5   2122.5    3.5 253    .7  90 202   7.4   7.5       .0         -.2       -.3  0
 2123.5   2124.5    3.8 254    .7  97 197   7.4   7.5       .0         -.2       -.3  0
 2125.5   2126.5    3.1 247    .7  98 183   7.4   7.5       .0         -.2       -.3  0
 2127.5   2128.5    3.4 250    .7  97 168   7.3   7.5       .1         -.0       -.2  0
 2129.5   2130.5    4.0 246    .7  95 157   7.3   7.5       .2         -.0       -.4  0
 2131.5   2132.5    5.5 245    .6  93 151   7.4   7.5       .2         -.0       -.4  0
 2133.5   2134.5    5.7 252    .6  95 150   7.4   7.5       .2          .0       -.4  0
 2135.5   2136.5    4.2 253    .6 100 149   7.4   7.6       .3          .1       -.5  0
 2137.5   2138.5    4.4 256    .6 102 142   7.4   7.5       .3          .2       -.5  0
 2139.5   2140.5    4.8 250    .6 104 133   7.4   7.5       .4          .2       -.5  0
 2141.5   2142.5    5.1 251    .7 105 123   7.4   7.5       .5          .3       -.5  0
 2143.5   2144.5    4.1 256    .7 104 114   7.5   7.5       .4          .3       -.3  0
 2145.5   2146.5    3.6 279    .7 105 109   7.5   7.6       .3          .4       -.1  0
 2147.5   2148.5    4.1 288    .7 104 104   7.5   7.6       .2          .4        .0  0
 2149.5   2150.5    4.0 283    .7 102  98   7.5   7.6       .2          .4        .0  0
 2151.5   2152.5    4.0 279    .7 101  93   7.5   7.5       .2          .4        .0  0
 2153.5   2154.5    4.5 280    .7  98  89   7.5   7.5       .2          .5        .1  0
 2155.5   2156.5    4.9 262    .7  95  89   7.5   7.5       .4          .5       -.0  0
 2157.5   2158.5    3.5 269    .7  91  92   7.5   7.4       .4          .6       -.0  0
 2159.5   2160.5    5.0 274    .7  92 102   7.4   7.4       .4          .5       -.1  0
 2161.5   2162.5    4.7 267    .7  94 111   7.4   7.4       .4          .5       -.2  0
 2163.5   2164.5    3.5 263    .7  96 118   7.3   7.5       .3          .3       -.3  0
 2165.5   2166.5    3.9 252    .7  99 123   7.3   7.5       .4          .2       -.4  0
 2167.5   2168.5    3.5 255    .7  98 121   7.4   7.5       .4          .3       -.3  0
 2169.5   2170.5    3.9 264    .7  98 120   7.4   7.6       .4          .3       -.3  0
 2171.5   2172.5    4.1 273    .7  99 119   7.4   7.6       .3          .4       -.2  0
 2173.5   2174.5    4.7 283    .7  98 117   7.4   7.6       .4          .5       -.1  0
 2175.5   2176.5    5.1 266    .7  99 116   7.4   7.6       .4          .7       -.1  0
 2177.5   2178.5    5.7 259    .7  99 114   7.4   7.6       .4          .6       -.0  0
 2179.5   2180.5    5.4 263    .7  98 113   7.4   7.6       .4          .6       -.0  0
 2181.5   2182.5    4.4 257    .6  99 114   7.4   7.6       .4          .5       -.0  0
 2183.5   2184.5    4.1 275    .8  99 114   7.4   7.5       .3          .4       -.1  0
 2185.5   2186.5    4.5 271    .8  99 115   7.4   7.6       .4          .4       -.2  0
 2187.5   2188.5    4.6 266    .8 100 115   7.4   7.6       .4          .4       -.3  0
 2189.5   2190.5    5.5 265    .8 100 115   7.4   7.6       .4          .5       -.3  0
 2191.5   2192.5    5.0 267    .8 102 115   7.4   7.6       .5          .5       -.3  0
 2193.5   2194.5    3.5 255    .8 104 111   7.4   7.6       .4          .2       -.3  0
 2195.5   2196.5    3.9 249    .8 103 105   7.4   7.6       .3          .3       -.3  0
 2197.5   2198.5    3.2 250    .8 101  99   7.4   7.6       .2          .2       -.2  0
 2199.5   2200.5    3.0 252    .8 100  97   7.4   7.6       .2          .2       -.2  0
 2201.5   2202.5    6.5 267    .8 101  98   7.4   7.6       .4          .7       -.2  0




REICHHOLD ENERGY CORP., COLUMBIA COUNTY #43-22,COLUMBIA CNTY., OREGON 8X2X75DEGS

CORRELATION CORR. DIP  DIP DRFT DRFT AZ. DIA  DIA          DISPLACEMENTS
INTERVAL     GRADE ANG. AZ. ANG. AZ. NO.1 13   24        H12         H13        H24  H


 2203.5   2204.5    4.2 274    .6 102  96   7.4   7.6       .3          .5        .0  0
 2205.5   2206.5    4.7 276    .8 104  94   7.4   7.6       .3          .5        .0  0
 2207.5   2208.5   17.6 264    .8 104  66   7.4   7.6       .7         2.2        .0  0
 2209.5   2210.5   11.3 266    .8 102  77   7.4   7.6       .5         1.3        .2  0
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