DIP LOG CALCULATIONS

COMPANY REICHHOLD ENERGY CORPORATION

WELL COLUMBIA COUNTY NO.5

FIELD NEHALEM BASIN

COUNTY COLUMBIA **STATE** OREGON

WELEX
A Halliburton Company

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CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.   DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE  AZ.  ANGLE AZ.  NO.1  IN   NO.1 NO.2 NO.3


 410.0   412.0 C   3.8  212.   0.6  231. 304.  7.7  0.0   0.50   0.20
 412.0   414.0 B  12.0  166.   0.6  265.  93.  7.5  0.0  -0.40   1.00
 414.0   416.0 B   5.5  163.   0.6  332.  63.  7.6  0.0  -0.60   0.30
 416.0   418.0 B   6.1  129.   0.7  324.  49.  7.4  0.0  -0.20   0.40
 418.5   419.3 A   6.1   13.   0.7  311.  33.  7.2  0.0   0.70   0.40
 420.0   422.0 C   5.2   47.   0.7  303. 351.  6.9  0.0   0.10   0.50
 422.0   424.0 B   5.7   28.   0.7  295. 321.  6.7  0.0   0.0    0.50
 424.0   426.5 B   4.1  119.   0.7  297. 300.  6.7  0.0  -0.30  -0.30
 426.5   428.3 C   5.3  103.   0.7  300. 281.  6.6  0.0  -0.40  -0.40
 428.3   430.0 B   6.5   43.   0.7  304. 266.  6.6  0.0  -0.60  -0.10
 430.0   432.0 A   7.9   67.   0.7  304. 251.  6.6  0.0  -0.70  -0.60
 432.0   434.0 B   6.1   35.   0.7  299. 232.  6.6  0.0  -0.80  -0.50
 434.0   436.0 A   5.9   90.   0.7  296. 218.  6.6  0.0  -0.10  -0.50
 436.0   438.0 A   5.6   11.   0.8  304. 214.  6.6  0.0  -0.60  -0.30
 438.0   440.0 A   3.4  350.   0.8  310. 200.  6.6  0.0  -0.40  -0.20
 440.0   442.0 A   3.6   63.   0.8  306. 172.  6.6  0.0   0.0   -0.30
 442.0   444.3 C   4.5    2.   0.9  301. 150.  6.6  0.0  -0.30  -0.50
 444.3   446.3 C   5.4   59.   0.9  296. 134.  6.6  0.0   0.30  -0.20
 446.3   448.5 C   4.1   25.   0.9  296. 123.  6.6  0.0   0.10  -0.30
 448.5   450.0 C   6.5  230.   0.9  297. 117.  6.6  0.0  -0.60   0.0
 450.0   452.0 B   4.4  280.   0.9  295. 114.  6.6  0.0  -0.50  -0.40
 452.0   454.0 C   2.2  178.   0.9  292. 113.  6.6  0.0  -0.10   0.10
 455.0   455.5 C  11.1  346.   0.9  289. 113.  6.6  0.0  -0.20  -1.10
 458.5   460.3 B   6.3  344.   0.9  293. 119.  6.6  0.0  -0.30  -0.90
 461.5   462.0 C   4.3  253.   0.9  295. 117.  6.6  0.0  -0.50  -0.20
 464.0   466.0 C   4.2  323.   0.9  299. 116.  6.6  0.0  -0.30  -0.50
 466.5   468.5 C  15.6  331.   0.9  301. 118.  6.6  0.0  -0.80  -1.70
 468.5   470.3 A  25.7  335.   0.9  296. 115.  6.6  0.0  -1.00  -2.80
 470.6   472.3 C  21.6  294.   0.9  294. 112.  6.6  0.0  -2.00  -2.10
 476.0   478.0 B  23.7  256.   0.9  307. 122.  6.6  0.0  -2.50  -0.70
 478.5   479.5 C  12.5  189.   0.8  313. 114.  6.6  0.0  -0.40  -0.60
 482.3   484.3 C  10.7  262.   0.8  309.  70.  6.6  0.0  -0.80  -1.10
 490.0   492.5 C  13.9  131.   0.8  298.  30.  6.6  0.0  -0.90   0.40
 495.0   496.5 C  10.6  222.   0.8  310. 358.  6.5  0.0  -0.20  -1.00
 496.5   499.9 B   5.8  166.   0.8  317. 330.  6.5  0.0  -0.30  -0.50
 502.0   503.5 C  14.9   69.   0.7  314. 284.  6.5  0.0  -1.40  -1.00
 508.0   510.0 C  11.7    6.   0.7  317. 239.  6.5  0.0  -1.10  -0.10
 512.0   512.5 C  16.4   72.   0.9  319. 209.  6.5  0.0  -0.50  -1.80
 514.5   515.3 C  26.3   73.   0.9  316. 179.  6.5  0.0   0.60  -2.00
 529.0   530.0 C   8.3   59.   0.8  319. 114.  6.5  0.0   0.70   0.0
 531.0   531.9 C   3.7  200.   0.8  312.  92.  6.5  0.0  -0.30   0.0
 534.3   535.3 C   7.4  334.   0.8  300.  61.  6.5  0.0   0.40  -0.40
 537.5   538.5 C  10.5  191.   0.8  300.  52.  6.5  0.0  -1.00  -0.40
 540.3   542.3 B   6.0  339.   0.8  326.  45.  6.5  0.0   0.70  -0.10
 543.8   544.5 B  12.5  117.   0.8  319. 347.  6.5  0.0  -1.10  -0.20
 544.5   546.5 B  12.8   96.   0.8  317. 331.  6.5  0.0  -1.10  -0.10
 546.5   548.5 B   8.1  115.   0.8  313. 310.  6.5  0.0  -0.70  -0.30
 548.5   550.3 A   7.0  132.   0.8  317. 298.  6.5  0.0  -0.40  -0.60
 550.3   552.0 B   5.4  106.   [illegible]             0.0  -0.40  -0.40
 552.0   554.0 C   5.5  200.   [illegible]             0.0   0.40  -0.10
 554.0   556.0 C  20.5  [illegible]                    0.0  -1.90  -0.10
 556.0   558.0 B  [illegible] 53.  [illegible]         0.0  -0.60   0.20
 558.0   560.0 C   4.5  144.   [illegible]             0.0  -0.10  -0.70
 560.6   562.5 C  13.0  [illegible]                    0.0  -1.10  -1.20
 562.5   564.3 [illegible] 10.0  [illegible]           0.0  -1.10  -0.30
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CORRELATION INTERVAL			[illegible] ANGLE	DIP AZ.	[illegible] ANGLE	[illegible] AZ.	[illegible]	[illegible]	DISPLACEMENT NO.1	NO.2	NO.3
564.3	566.3	B	13.3	14.	0.8	321.	222.	6.6	0.0	-1.40	-0.70
566.3	568.5	C	24.0	332.	0.8	320.	206.	6.6	0.0	-2.50	-0.30
570.6	572.0	B	10.7	26.	0.8	319.	182.	6.5	0.0	-0.70	-1.10
573.0	574.5	B	10.6	342.	0.9	320.	171.	6.6	0.0	-1.70	-1.40
574.5	576.5	B	9.6	326.	0.9	312.	156.	6.6	0.0	-1.00	-0.80
579.0	580.6	B	9.1	306.	0.9	304.	150.	6.6	0.0	-1.00	-0.90
583.0	584.5	B	3.6	359.	0.8	309.	157.	6.6	0.0	-0.30	-0.40
584.5	586.5	B	4.1	106.	0.8	321.	159.	6.6	0.0	0.30	0.0
586.5	588.3	C	5.9	277.	0.8	331.	154.	6.6	0.0	-0.60	-0.10
588.5	589.0	B	11.2	201.	0.8	328.	135.	6.6	0.0	-1.10	-0.20
592.0	594.0	B	15.1	276.	0.8	309.	76.	6.6	0.0	-1.00	-1.60
594.0	596.3	B	14.3	276.	0.7	306.	59.	6.6	0.0	-0.50	-1.50
596.3	598.0	C	2.6	66.	0.7	306.	51.	6.6	0.0	0.20	0.20
598.0	600.0	C	17.0	269.	0.7	305.	47.	6.5	0.0	0.10	-1.60
601.0	601.5	C	2.5	327.	0.7	301.	41.	6.5	0.0	0.20	-0.10
601.5	603.5	C	1.5	65.	0.7	296.	36.	6.5	0.0	0.10	0.10
603.5	604.5	B	8.4	196.	0.7	266.	35.	6.5	0.0	-0.60	-0.60
604.5	606.5	B	8.5	164.	0.7	267.	35.	6.5	0.0	-0.60	-0.20
607.5	608.5	C	4.0	136.	0.7	259.	36.	6.5	0.0	-0.30	0.10
615.3	617.0	B	9.1	175.	0.5	263.	25.	6.5	0.0	-0.90	-0.50
617.0	618.3	B	12.9	206.	0.5	239.	23.	6.5	0.0	-1.10	-1.20
618.5	619.3	C	14.6	61.	0.5	230.	23.	6.5	0.0	0.50	1.40
619.3	622.5	B	5.5	61.	0.4	247.	25.	6.5	0.0	0.20	0.50
622.5	624.3	B	0.6	259.	0.4	271.	23.	6.2	0.0	0.0	-0.10
624.3	626.3	B	3.9	339.	0.4	140.	22.	6.0	0.0	0.30	0.10
626.3	628.0	B	11.0	339.	0.3	139.	23.	5.9	0.0	1.00	0.30
628.0	630.0	B	13.3	200.	0.3	155.	23.	6.0	0.0	0.50	-0.70
630.0	632.0	B	16.3	14.	0.3	109.	91.	5.6	0.0	1.00	-0.40
632.0	634.0	A	17.1	4.	0.2	69.	61.	5.4	0.0	1.30	0.10
634.0	636.0	A	16.8	27.	0.2	73.	62.	5.9	0.0	0.90	0.40
636.0	638.0	A	11.9	54.	0.3	95.	72.	5.5	0.0	1.00	0.70
638.0	640.3	A	10.7	79.	0.5	113.	81.	5.1	0.0	0.90	0.90
640.3	642.3	A	6.4	253.	0.7	267.	257.	6.5	0.0	0.60	0.60
642.3	644.5	A	1.7	332.	0.7	307.	265.	6.6	0.0	0.0	0.20

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  644.5     646.0 A     4.5   310.     0.8   302.  260.   6.6   0.0   0.10   0.50
  646.0     648.0 A     6.2   256.     0.8   304.  261.   6.7   0.0   0.60   0.60
  648.0     650.0 B     7.0   242.     0.8   307.  261.   6.7   0.0   0.80   0.60
  650.0     652.0 A    12.2   276.     0.6   306.  261.   6.7   0.0   0.90   1.30
  652.0     654.3 A    15.0   273.     0.7   310.  264.   6.6   0.0   1.20   1.50
  654.3     656.3 A    13.3   240.     0.7   298.  257.   6.6   0.0   1.30   1.10
  656.3     658.0 A     8.1   318.     0.6   299.  251.   6.6   0.0  -0.10   0.70
  658.0     660.0 A     6.0   325.     0.6   306.  248.   6.6   0.0  -0.20   0.50
  660.0     662.0 A    10.5   327.     0.6   303.  245.   6.6   0.0  -0.40   0.70
  662.0     664.0 A     7.5   320.     0.6   302.  245.   6.6   0.0  -0.30   0.50
  664.0     666.0 A     8.5   340.     0.6   301.  243.   6.6   0.0  -0.40   0.30
  666.0     668.0 A     9.7     7.     0.6   289.  238.   6.6   0.0  -0.90  -0.10
  668.0     670.0 A     5.5   330.     0.6   289.  237.   6.6   0.0  -0.30   0.30
  670.0     672.0 A     4.0    80.     0.6   300.  241.   6.6   0.0  -0.30  -0.40
  672.0     674.0 A     4.5    97.     0.6   301.  244.   6.7   0.0  -0.20  -0.40
  674.0     676.0 B     6.5   242.     0.6   302.  247.   6.7   0.0   0.50   0.60
  676.0     678.0 B     7.0   251.     0.6   306.  255.   6.7   0.0   0.70   0.70
  678.0     680.0 A     9.9   259.     0.6   309.  262.   6.6   0.0   0.90   0.90
  680.0     682.0 B    12.7   264.     0.6   309.  262.   6.6   0.0   1.10   1.20
  682.0     684.0 A     7.3   272.     0.6   311.  261.   6.6   0.0   0.60   0.80
  684.0     686.0 A     7.1   264.     0.6   311.  260.   6.6   0.0   0.50   0.70
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CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.   DIA  DISPLACEMENTS
INTERVAL      GRADE ANGLE  AZ.  ANGLE AZ.  NO.1  IN  NO.1 NO.2 NO.3


  686.0     688.0 A     5.9   275.     0.6   311.  260.   6.6   0.0   0.40   0.60
  688.0     689.0 A     7.7   305.     0.6   312.  260.   6.6   0.0   0.20   0.80
  690.0     692.0 A     2.0   245.     0.6   307.  259.   6.6   0.0   0.20   0.20
  692.0     694.0 A     1.9   253.     0.6   299.  264.   6.6   0.0   0.20   0.20
  694.0     696.5 B     1.0   223.     0.6   304.  271.   6.6   0.0   0.20   0.10
  696.5     698.5 C     2.3    75.     0.6   312.  271.   6.6   0.0  -0.20  -0.10
  698.5     700.0 A     3.9    94.     0.6   313.  266.   6.6   0.0  -0.30  -0.30
  700.0     702.5 B     2.9   142.     0.6   313.  265.   6.6   0.0   0.0   -0.20
  702.5     704.0 A     6.5   180.     0.6   309.  264.   6.6   0.0   0.40  -0.20
  704.0     706.3 A    11.0   207.     0.5   314.  265.   6.6   0.0   1.00   0.10
  706.3     708.0 A    10.0   215.     0.5   331.  272.   6.6   0.0   0.90   0.10
  708.0     710.3 A     8.5   266.     0.5   336.  265.   6.6   0.0   0.70   0.60
  710.3     712.0 A    12.2   319.     0.5   332.  251.   6.6   0.0  -0.20   1.00
  712.0     714.0 A     7.5   292.     0.5   337.  235.   6.5   0.0   0.0    0.70
  714.0     716.0 B     9.4   330.     0.5   332.  205.   6.5   0.0  -0.90  -0.10
  716.0     718.0 A     8.6   331.     0.5   316.  177.   6.5   0.0  -0.90  -0.50
  718.0     720.0 A     9.4   342.     0.5   314.  167.   6.6   0.0  -0.90  -0.60
  720.0     722.0 A     8.0   326.     0.5   316.  167.   6.6   0.0  -0.90  -0.60
  722.0     724.0 A     5.7    19.     0.5   321.  165.   6.6   0.0  -0.30  -0.50
  724.0     726.0 B     6.5   311.     0.5   320.  158.   6.6   0.0  -0.90  -0.50
  726.0     728.0 B    13.5   290.     0.5   312.  151.   6.6   0.0  -1.40  -0.50
  728.0     730.0 B    10.5   292.     0.5   311.  152.   6.6   0.0  -1.10  -0.40
  730.0     732.0 A     9.4   309.     0.5   319.  160.   6.6   0.0  -1.00  -0.50
  732.0     734.0 A     8.2   290.     0.5   324.  166.   6.6   0.0  -0.60  -0.10
  734.0     736.0 B     7.2   275.     0.5   325.  166.   6.6   0.0  -0.60   0.10
  736.0     738.0 B     6.2   351.     0.5   327.  164.   6.6   0.0  -0.70  -0.60
  738.0     740.0 B     7.9   352.     0.5   323.  157.   6.6   0.0  -0.60  -0.60
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  740.0     742.0 B     5.9   342.     0.5   321.  152.    0.7    0.0  -0.50  -0.60
  742.0     744.0 B    10.5   293.     0.5   322.  148.    0.6    0.0  -1.10  -0.50
  744.0     746.0 C     1.8   319.     0.5   318.  139.    0.6    0.0  -0.20  -0.20
  746.0     748.0 A     8.7   316.     0.5   319.  137.    0.6    0.0  -0.80  -0.60
  748.0     750.0 A    10.5   338.     0.5   323.  137.    0.6    0.0  -0.70  -1.10
  750.0     752.0 B     9.5   347.     0.5   325.  136.    0.6    0.0  -0.50  -1.00
  752.0     754.0 A     6.6   348.     0.4   327.  133.    0.5    0.0  -0.30  -0.70
  754.0     756.0 A     4.9   295.     0.4   326.  129.    0.6    0.0  -0.50  -0.40
  756.0     758.0 A    12.0   290.     0.4   321.  125.    0.6    0.0  -1.20  -0.90
  758.0     760.0 B    14.2   303.     0.3   319.  124.    0.7    0.0  -1.30  -1.30
  760.0     762.0 B     3.8   287.     0.3   321.  124.    0.7    0.0  -0.40  -0.30
  762.0     764.0 B     6.7   324.     0.3   326.  125.    0.7    0.0  -0.60  -0.90
  764.0     766.0 B     9.1   314.     0.2   330.  123.    0.7    0.0  -0.70  -0.90
  766.0     768.0 A     9.6   310.     0.2   326.  114.    0.7    0.0  -0.70  -1.00
  768.0     770.0 A    12.1   288.     0.3   322.  109.    0.7    0.0  -1.10  -1.10
  770.0     772.0 A     9.1   301.     0.3   320.  110.    0.6    0.0  -0.70  -0.90
  772.0     774.0 A    10.5   317.     0.3   318.  111.    0.6    0.0  -0.60  -1.10
  774.0     776.0 A     9.1   304.     0.3   312.  113.    0.6    0.0  -0.70  -0.90
  776.0     778.0 A     7.2   302.     0.3   309.  115.    0.6    0.0  -0.60  -0.70
  778.0     780.0 A     7.9   316.     0.3   315.  123.    0.7    0.0  -0.60  -0.80
  780.0     782.0 A     6.3   301.     0.3   321.  129.    0.7    0.0  -0.80  -0.70
  782.0     784.0 B     9.0   299.     0.3   323.  133.    0.7    0.0  -0.90  -0.70
  784.0     786.0 B     8.9   296.     0.3   334.  137.    0.6    0.0  -0.90  -0.60
  786.0     788.0 B     5.5   315.     0.3   334.  138.    0.6    0.0  -0.50  -0.50
  788.0     790.0 A     6.1   299.     0.3   327.  130.    0.5    0.0  -0.60  -0.50
  790.0     792.0 A     7.6   306.     0.3   321.  123.    0.6    0.0  -0.70  -0.70
  792.0     794.0 A     8.1   284.     0.3   323.  120.    0.6    0.0  -0.80  -0.60
  794.0     796.0 A     8.6   278.     0.3   338.  126.    0.7    0.0  -0.90  -0.50
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CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.    DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE  AZ.  ANGLE AZ.   NO.1  13   NO.1 NO.2 NO.3


  796.0     798.0 C    15.0   202.     0.4   331.  125.    0.7    0.0  -0.50   1.00
  798.0     800.0 C     0.0    17.     0.4   329.  124.    0.7    0.0   0.0   -0.10
  800.0     802.0 B    13.0   335.     0.4   336.  130.    0.8    0.0  -0.80  -1.40
  802.0     804.0 B     8.5   325.     0.4   330.  127.    0.6    0.0  -0.60  -0.90
  804.0     806.0 B     7.1   291.     0.3   333.  121.    0.6    0.0  -0.70  -0.60
  806.0     808.0 A     9.8   262.     0.3   336.  121.    0.7    0.0  -1.00  -0.70
  808.0     810.0 A    10.8   272.     0.3   324.  115.    0.5    0.0  -1.10  -0.70
  810.0     812.0 A     8.4   294.     0.3   319.  109.    0.6    0.0  -0.70  -0.80
  812.0     814.0 A     8.4   262.     0.3   324.  110.    0.6    0.0  -0.80  -0.70
  814.0     816.0 A     6.0   246.     0.3   321.  112.    0.6    0.0  -0.60  -0.20
  816.0     818.0 A     5.8   260.     0.3   320.  113.    0.5    0.0  -0.50  -0.30
  818.0     820.0 A    11.0   260.     0.3   320.  117.    0.5    0.0  -1.10  -0.80
  820.0     822.0 A    11.7   255.     0.3   330.  127.    0.5    0.0  -1.10  -0.20
  822.0     824.0 B     7.2   268.     0.3   343.  135.    0.5    0.0  -0.70  -0.20
  824.0     826.0 A     3.2   312.     0.3   347.  135.    0.6    0.0  -0.30  -0.30
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  826.0     828.0 A     5.9   279.     0.3    345. 132.   6.6   0.0 -0.60 -0.30
  828.0     830.0 B     9.0   267.     0.4    342. 129.   6.5   0.0 -0.90 -0.60
  830.0     832.0 B    10.8   302.     0.4    342. 129.   6.5   0.0 -1.00 -0.90
  832.0     834.0 A    11.7   284.     0.4    349. 136.   6.6   0.0 -1.20 -0.60
  834.0     836.0 B     9.0   297.     0.3    357. 138.   6.5   0.0 -0.90 -0.60
  836.0     838.0 B    10.7   315.     0.3    359. 131.   6.6   0.0 -0.90 -1.00
  838.0     840.0 A    10.7   307.     0.3    346. 123.   6.6   0.0 -0.90 -1.00
  840.0     842.0 A     9.1   314.     0.3    341. 123.   6.6   0.0 -0.70 -0.90
  842.0     844.0 B    10.1   297.     0.3    341. 130.   6.7   0.0 -1.00 -0.60
  844.0     846.0 A     9.4   321.     0.3    344. 136.   6.7   0.0 -0.60 -0.90
  846.0     848.0 A    13.7   336.     0.3    351. 141.   6.7   0.0 -1.00 -1.40
  848.0     850.0 C    12.3   343.     0.3    347. 136.   6.7   0.0 -0.70 -1.30
  850.0     852.0 C     4.9   280.     0.3    343. 133.   6.6   0.0 -0.50 -0.30
  852.0     854.0 C    12.9   249.     0.3    358. 140.   6.5   0.0 -1.00  0.20
  854.0     856.0 C    10.1   278.     0.3      2. 143.   6.6   0.0 -1.00 -0.30
  856.0     858.0 B     5.9   300.     0.3    347. 142.   6.6   0.0 -0.60 -0.40
  858.0     860.0 B    10.0   305.     0.3    347. 144.   6.6   0.0 -1.00 -0.70
  860.0     862.0 B     9.9   290.     0.3      7. 149.   6.6   0.0 -1.00 -0.40
  862.0     864.0 C     5.3   220.     0.3     11. 147.   6.6   0.0 -0.20  0.30
  871.0     872.3 C    27.0   311.     0.3    348. 134.   6.6   0.0 -2.60 -2.50
  872.3     874.3 B    23.3   308.     0.3    352. 131.   6.6   0.0 -2.20 -2.10
  875.0     876.3 B    30.3   321.     0.2    345. 130.   6.6   0.0 -2.50 -3.20
  886.3     887.3 C     2.5    27.     0.2      5. 127.   6.7   0.0  0.10 -0.20
  895.5     896.3 B     5.3     7.     0.2     11. 126.   6.9   0.0  0.0  -0.50
  896.3     898.3 B     6.9   229.     0.2     11. 127.   7.0   0.0 -0.50  0.20
  898.3     900.0 B     8.5   277.     0.2     10. 125.   7.0   0.0 -0.90 -0.50
  907.3     908.3 C     7.1   160.     0.2     31. 152.   7.1   0.0  0.60  0.70
  910.5     912.3 C    24.9   298.     0.2     53. 151.   6.5   0.0 -2.60 -1.20
  912.5     914.1 D    14.3   293.     0.2     60. 139.   6.4   0.0 -1.40 -0.80
  914.5     917.5 B    23.2   331.     0.2     72. 116.   6.5   0.0 -1.00 -2.40
  917.5     919.5 B    30.4   335.     0.2     82.  98.   6.5   0.0 -0.10 -2.90
  923.3     924.5 C    35.8   255.     0.2    111.  87.   6.5   0.0 -3.60 -3.00
  931.0     931.3 D    25.4   212.     0.3     57. 321.   6.5   0.0  0.50 -2.00
  932.1     932.8 D    23.0   195.     0.3     49. 310.   6.5   0.0  0.20 -2.00
  937.7     938.5 D    13.0   155.     0.3     64. 325.   6.5   0.0 -1.00 -1.30
  948.5     949.5 D    23.1   230.     0.3     50. 226.   6.5   0.0  2.00  2.10
  951.0     952.3 C     7.5   190.     0.3     45. 214.   6.6   0.0  0.70  0.50
  953.0     954.3 C     4.4   236.     0.3     55. 223.   6.7   0.0  0.30  0.40
  957.5     958.3 C     9.3   201.     0.3     59. 219.   6.5   0.0  0.90  0.60
  960.0     961.5 B    12.0   121.     0.2     64. 161.   6.4   0.0  1.10  0.0
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CORRELATION  CORR. DIP     DIP  DHFT  DHFT AZ.    DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE   AZ.  ANGLE AZ.   NO.1  13   NO.1 NO.2 NO.3


  962.3     964.0 B    22.3   107.     0.2     61. 126.   6.3   0.0  0.80  2.20
  965.0     966.3 B    15.0   148.     0.2     46.  76.   6.1   0.0 -0.30  1.10
  966.3     968.3 B    14.7   160.     0.2     51.  75.   6.2   0.0 -0.60  0.80
  970.0     971.3 C    23.8   301.     0.1     51.  54.   6.0   0.0  0.30 -1.80
  974.5     975.5 B    39.6   327.     0.1     50.  51.   5.9   0.0  2.50 -1.70
  976.0     978.3 B    18.7   292.     0.2     46.  73.   5.9   0.0 -0.60 -1.70
  979.5     980.8 B    32.0   269.     0.2     43. 103.   5.7   0.0 -3.00 -2.30
  980.8     982.3 B    26.7   333.     0.2     44. 115.   5.8   0.0 -0.90 -2.50
  983.0     984.5 C    23.4   228.     0.2     44. 130.   6.0   0.0 -1.40  0.60
  988.8     989.5 D    20.9    44.     0.2     40. 116.   5.8   0.0  1.50 -0.40
  992.0     993.3 C    24.3   327.     0.2     40.  90.   5.8   0.0 -0.30 -2.10
  993.3     994.3 C    26.7   296.     0.2     40.  93.   5.8   0.0 -1.50 -2.50
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  995.3   996.2 D   32.1  302.   0.2   44. 110.  8.0  0.0 -2.40 -3.10
  996.2   998.3 C   32.9  316.   0.2   51. 113.  8.3  0.0 -2.10 -3.50
 1001.9  1002.8 C   24.2  345.   0.1   55. 110.  8.2  0.0 -0.50 -2.30
 1008.3  1009.5 D   26.0  277.   0.1   34.  56.  8.0  0.0 -0.90 -2.50
 1010.0  1012.3 C   27.2  236.   0.1   40.  59.  8.0  0.0 -2.30 -2.30
 1013.8  1014.8 D   16.0  273.   0.1   46.  58.  8.1  0.0 -0.70 -1.70
 1016.5  1018.5 D   45.3  306.   0.2   54.  56.  8.2  0.0  1.00 -4.10
 1018.5  1020.3 C   44.1  303.   0.2   53.  49.  8.2  0.0  1.30 -3.70
 1025.9  1026.5 C   16.0  253.   0.2   56.  25.  8.0  0.0 -0.30 -1.40
 1028.0  1030.0 C    6.0   10.   0.3   64.  81.  8.2  0.0  0.50 -0.10
 1030.0  1032.0 B    9.5  233.   0.3   59. 200.  8.4  0.0  0.40  0.90
 1032.0  1034.0 D   11.0  300.   0.4   58. 198.  8.5  0.0 -0.80  0.30
 1036.0  1038.0 B    4.0   19.   0.4   57. 220.  8.5  0.0 -0.50 -0.30
 1038.0  1040.0 B   14.0   38.   0.4   52. 162.  8.5  0.0 -0.60 -1.50
 1040.5  1042.3 C   16.0   41.   0.4   44. 169.  8.4  0.0 -0.20 -1.50
 1042.3  1044.5 D   17.1   24.   0.4   34. 158.  8.5  0.0 -0.40 -1.70
 1044.5  1046.3 B    6.7   37.   0.4   41. 192.  8.5  0.0 -0.40 -0.70
 1046.3  1048.0 C   31.3  135.   0.4   39. 210.  8.5  0.0  2.40 -0.90
 1048.0  1049.5 C   33.9  137.   0.4   36. 215.  8.5  0.0  2.50 -1.20
 1050.3  1052.7 A   23.2  141.   0.4   44. 228.  8.5  0.0  1.30 -1.10
 1052.7  1054.5 A   22.1  155.   0.4   44. 227.  8.6  0.0  1.70 -0.50
 1054.5  1056.0 A   20.5  165.   0.4   52. 227.  8.6  0.0  2.40 -0.10
 1058.0  1060.0 B   32.5  167.   0.4   53. 232.  8.6  0.0  3.00 -0.30
 1060.5  1062.0 C   36.0  198.   0.4   72. 194.  8.5  0.0  3.40  3.70
 1062.5  1064.3 C   41.0  208.   0.4   60. 168.  8.7  0.0  1.70  5.00
 1065.0  1066.5 B   29.5  213.   0.3   60. 152.  8.6  0.0 -0.10  2.60
 1066.5  1068.0 D   35.2  215.   0.3   65. 151.  8.6  0.0 -0.30  3.40
 1068.0  1070.0 A   34.6  222.   0.3   67. 140.  8.6  0.0 -1.10  2.80
 1070.0  1072.0 A   35.1  208.   0.3   59. 131.  8.6  0.0 -1.20  2.80
 1072.0  1074.0 C   43.7  226.   0.3   46. 115.  8.6  0.0 -4.50  0.60
 1074.0  1076.0 A   38.8  222.   0.3   43. 112.  8.6  0.0 -3.60  0.60
 1076.0  1078.3 B   42.6  230.   0.3   52. 110.  8.6  0.0 -4.40  0.50
 1078.3  1080.3 D   11.1  205.   0.3   49. 106.  8.7  0.0 -0.70  0.40
 1080.3  1082.5 B   18.0  171.   0.3   30.  90.  8.7  0.0 -0.70  1.20
 1082.5  1084.0 C   29.8  191.   0.3   22.  62.  8.7  0.0 -2.50  0.60
 1084.0  1086.0 D   24.2  199.   0.3   22.  69.  8.7  0.0 -2.00  0.40
 1086.0  1088.0 B   29.6  217.   0.3   34. 110.  8.7  0.0 -2.40  0.70
 1088.0  1090.0 C   27.1  216.   0.3   44. 110.  8.7  0.0 -1.80  1.10
 1090.0  1092.0 C   23.9  250.   0.3   43. 115.  8.8  0.0 -2.50 -0.70
 1092.5  1094.0 B   22.4  270.   0.3   50. 121.  8.9  0.0 -2.40 -1.20
 1094.0  1096.0 A   21.3  264.   0.3   55. 124.  8.7  0.0 -2.20 -0.60
 1096.0  1098.0 B   15.1  257.   0.3   61. 123.  8.8  0.0 -1.50 -0.40
 1098.0  1100.0 B   16.9  272.   0.3   52. 110.  8.9  0.0 -1.70 -1.80











CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.  DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE  AZ.  ANGLE AZ.  NO.1  13   NO.1 NO.2 NO.3
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1100.0   1101.3 B    26.5   237.     0.3    40.   96.    0.9   0.0 -2.90 -1.00
1102.0   1103.3 C    27.0   270.     0.2    40.  100.    0.6   0.0 -2.00 -2.30
1104.3   1105.3 B    19.7   214.     0.2    50.  111.    0.7   0.0 -1.40  0.00
1105.3   1106.5 B    25.7   244.     0.2    45.  108.    0.7   0.0 -2.70 -0.80
1106.5   1108.3 B    28.3   241.     0.2    37.  103.    0.6   0.0 -3.00 -1.00
1108.3   1109.5 B    18.2   324.     0.2    32.  101.    0.5   0.0 -0.50 -1.80
1109.5   1110.3 B    37.3   243.     0.2    30.  101.    0.6   0.0 -4.30 -1.70
1110.3   1112.3 A    33.3   256.     0.2    41.  115.    0.6   0.0 -3.70 -1.40
1112.3   1114.3 B    31.5   234.     0.2    62.  129.    0.7   0.0 -2.50  0.90
1114.3   1116.0 C    32.0   264.     0.2    74.  131.    0.7   0.0 -3.60 -2.00
1116.0   1118.3 C    31.5   270.     0.2    61.  127.    0.7   0.0 -3.50 -1.40
1118.3   1119.9 B    14.5   297.     0.2    64.  116.    0.8   0.0 -1.30 -1.30
1122.0   1124.3 B    36.5   253.     0.2   103.  107.    0.6   0.0 -4.30 -2.00
1131.0   1133.5 B    50.3   170.     0.2    91.   37.    0.6   0.0 -6.00 -1.00
1133.5   1134.5 A    32.1   209.     0.2    69.   37.    0.8   0.0 -3.30 -2.00
1134.5   1136.3 A    36.6   116.     0.2    79.  308.    0.6   0.0 -4.00 -3.30
1136.3   1138.3 B    40.9   152.     0.3    66.   26.    0.8   0.0 -4.50 -0.40
1138.3   1140.0 B    39.7   154.     0.3    94.   27.    0.6   0.0 -4.40 -0.60
1140.0   1142.0 B    36.2   180.     0.2    96.   27.    0.6   0.0 -4.50 -2.50
1142.0   1144.0 A    37.6   179.     0.2   101.   29.    0.5   0.0 -4.40 -2.20
1144.0   1146.0 B    28.0   163.     0.2   105.   26.    0.6   0.0 -3.10 -1.90
1146.0   1148.0 B    32.5   218.     0.2   116.   24.    0.6   0.0 -2.60 -3.50
1148.0   1150.0 B    30.3   218.     0.2   130.   28.    0.5   0.0 -2.50 -3.10
1150.0   1152.0 B    29.3   226.     0.2   148.   28.    0.5   0.0 -2.10 -3.10
1152.0   1156.0 B    38.2   158.     0.2   140.  341.    0.4   0.0 -3.90 -3.70
1156.0   1160.0 B    36.9   166.     0.2   134.  326.    0.4   0.0 -2.60 -4.10
1160.0   1162.0 B    34.2   165.     0.3   134.  317.    0.4   0.0 -2.00 -3.60
1162.0   1164.0 B    34.9   166.     0.3   143.  312.    0.4   0.0 -1.70 -3.90
1164.0   1166.0 A    35.1   171.     0.3   153.  306.    0.4   0.0 -1.00 -3.80
1166.0   1168.0 A    33.4   171.     0.3   178.  305.    0.5   0.0 -0.90 -3.60
1168.0   1170.0 B    41.1   174.     0.3   206.  306.    0.5   0.0 -1.00 -4.70
1170.0   1172.0 B    37.9   162.     0.3   216.  288.    0.5   0.0 -0.40 -4.00
1175.5   1178.5 C    36.8   142.     0.3   212.  227.    0.5   0.0  2.50 -1.70
1178.5   1180.0 C    25.6   323.     0.3   216.  218.    0.5   0.0 -1.90  0.70
1182.0   1184.0 C    26.9     7.     0.4   235.  229.    0.7   0.0 -3.10 -1.00
1184.0   1186.5 C    35.1   148.     0.4   240.  226.    0.7   0.0  2.70 -1.30
1186.5   1188.0 B    15.6   181.     0.3   225.  204.    0.6   0.0  1.60  1.00
1188.0   1190.0 C    31.4   156.     0.3   215.  184.    0.6   0.0  3.50  2.00
1190.0   1194.3 A    27.2   124.     0.3   215.  162.    0.8   0.0  3.00  1.20
1194.3   1196.5 A    26.3   154.     0.3   229.  157.    0.6   0.0  2.80  2.70
1200.0   1202.0 A    27.6   165.     0.2   206.   92.    0.4   0.0 -0.70  2.10
1202.0   1205.0 B    29.1   163.     0.2   204.   75.    0.4   0.0 -1.20  1.30
1205.0   1206.5 C    34.7   220.     0.2   173.  117.    0.5   0.0 -2.70  1.10
1206.5   1208.0 C    28.2   280.     0.2   153.  132.    0.5   0.0 -3.00 -1.40
1208.0   1209.5 C    25.0   160.     0.2   136.  360.    0.5   0.0 -2.60 -1.70
1209.5   1210.5 B    29.4   147.     0.2   120.  344.    0.5   0.0 -3.10 -2.20
1210.5   1212.0 B    30.3   156.     0.2   114.  341.    0.5   0.0 -3.00 -2.70
1212.0   1214.0 B    32.8   159.     0.3   101.  334.    0.5   0.0 -3.00 -3.30
1214.0   1216.0 C    32.0   166.     0.3    72.  321.    0.5   0.0 -2.00 -3.50
1216.0   1218.0 B    28.8   163.     0.4    40.  306.    0.5   0.0 -1.10 -2.80
1218.0   1220.0 A    29.7   154.     0.4    28.  290.    0.5   0.0 -0.70 -2.50
1220.0   1222.0 A    29.6   145.     0.4   352.  276.    0.5   0.0 -0.60 -3.00
1222.0   1224.0 C    32.0   143.     0.4   330.  263.    0.5   0.0  0.0  -3.00
1226.3   1228.0 C    26.6   150.     0.4   298.  234.    0.6   0.0  1.70 -1.10
1228.0   1230.0 B    30.5   149.     0.3   291.  224.    0.6   0.0  2.40 -0.80



CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.   DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE  AZ.  ANGLE AZ.   NO.1  IJ  NO.1 NO.2 NO.3
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1230.0  1232.0 B   29.0  146.    0.3  231. 214.   0.6   0.0   2.50 -0.40
1232.0  1234.0 C   24.4  146.    0.3  209. 190.   0.6   0.0   2.40  0.40
1234.0  1236.0 C   17.7  202.    0.3  201. 180.   0.5   0.0   1.10  1.80
1236.0  1240.0 C   16.5  235.    0.3  250. 155.   0.6   0.0  -0.60  1.10
1240.0  1242.5 C   11.7  229.    0.2  242. 129.   0.7   0.0  -0.80  0.40
1242.5  1244.3 C   10.9   36.    0.2  229. 101.   0.7   0.0   0.90 -0.10
1244.3  1246.5 C   15.1  325.    0.2  223.  61.   0.7   0.0   0.10 -1.30
1246.5  1248.3 B   20.9  152.    0.2  207.  54.   0.7   0.0  -1.40  0.80
1248.3  1250.0 C   12.5  145.    0.2  207.  49.   0.6   0.0  -0.80  0.50
1250.0  1252.0 C   21.5  158.    0.3  221.  59.   0.6   0.0  -1.50  0.60
1254.5  1255.7 C   10.6  128.    0.3  198.  43.   0.6   0.0  -0.50  0.60
1266.0  1267.5 C   10.2  146.    0.3  167. 329.   0.5   0.0  -0.90 -0.90
1268.5  1270.0 D   24.3  112.    0.2  164. 311.   0.5   0.0  -2.50 -1.70
1270.0  1272.0 B   25.3  120.    0.2  156. 298.   0.4   0.0  -2.00 -2.50
1272.0  1274.0 B   29.7  135.    0.2  164. 307.   0.4   0.0  -2.50 -3.00
1274.0  1276.0 B   24.4  146.    0.2  175. 318.   0.5   0.0  -2.00 -2.40
1276.0  1278.3 C   29.6  103.    0.2  175. 318.   0.5   0.0  -3.20 -1.40
1278.3  1280.3 B   18.8  152.    0.2  177. 318.   0.6   0.0  -1.40 -1.90
1280.3  1282.3 B   27.2  136.    0.2  173. 311.   0.6   0.0  -2.40 -2.70
1282.3  1284.5 B   26.3  150.    0.2  160. 297.   0.6   0.0  -1.40 -3.10
1284.5  1286.0 B   31.3  137.    0.2  151. 289.   0.6   0.0  -1.80 -3.50
1286.0  1290.0 C   26.5  140.    0.2  149. 285.   0.7   0.0  -1.20 -2.90
1290.0  1292.0 A   23.2  107.    0.2  171. 311.   0.7   0.0  -1.00 -2.50
1295.0  1296.5 C    9.3  122.    0.2  191. 316.   0.6   0.0  -0.90 -0.70
1298.0  1300.0 B   21.0  123.    0.2  207. 320.   0.5   0.0  -2.10 -1.50
1300.0  1302.0 A   24.7  135.    0.2  210. 314.   0.5   0.0  -2.20 -2.30
1302.0  1304.0 A   26.6  120.    0.2  214. 307.   0.5   0.0  -2.60 -2.30
1304.0  1306.0 A   26.9  112.    0.2  221. 299.   0.5   0.0  -2.60 -2.30
1306.0  1308.0 A   30.9  108.    0.2  239. 292.   0.5   0.0  -3.00 -2.80
1308.0  1310.0 A   32.8   88.    0.2  227. 269.   0.5   0.0  -3.10 -3.10
1310.0  1312.3 C   26.6  112.    0.2  204. 229.   0.4   0.0   0.20 -2.30
1312.3  1314.0 C   31.2  101.    0.2  197. 207.   0.5   0.0   0.90 -2.40
1316.0  1320.0 C   35.4  300.    0.2  193. 183.   0.6   0.0  -3.40  0.20
1321.5  1322.5 C   21.1  111.    0.2  195. 177.   0.6   0.0   1.60 -0.20
1323.9  1324.3 C   20.7  126.    0.2  203. 162.   0.7   0.0   2.00  0.20
1324.3  1325.5 C   13.0  166.    0.2  202. 160.   0.7   0.0   1.30  1.00
1326.0  1328.0 C   19.6  160.    0.2  205. 175.   0.7   0.0   2.00  1.50
1328.3  1330.0 C   25.6  212.    0.2  217. 170.   0.7   0.0   1.20  2.80
1334.0  1336.0 C    8.5  161.    0.2  251. 169.   0.7   0.0   0.90  0.50
1336.0  1338.0 B   12.1  175.    0.2  258. 190.   0.7   0.0   1.20  0.90
1338.0  1340.0 D   11.2  188.    0.2  261. 189.   0.7   0.0   1.00  1.00
1340.0  1342.0 C    4.6  221.    0.2  288. 187.   0.7   0.0   0.20  0.50
1348.0  1350.0 C    9.9  246.    0.3  336. 210.   0.6   0.0   0.50  1.00
1352.0  1354.0 B    4.2  203.    0.3  310. 194.   0.6   0.0   0.30  0.40
1354.0  1356.0 B    5.0  227.    0.3  310. 194.   0.6   0.0   0.20  0.50
1356.0  1358.0 C    3.0  186.    0.2  308. 191.   0.6   0.0   0.30  0.30
1358.5  1360.0 C    2.4   50.    0.2  298. 175.   0.6   0.0   0.0  -0.20
1371.3  1373.3 B   31.5  221.    0.2  231.  59.   0.7   0.0  -3.50 -2.40
1380.0  1381.0 C   14.6  212.    0.2  207. 347.   0.7   0.0  -0.40 -1.50
1386.0  1387.8 C   11.7  216.    0.2  177. 273.   0.7   0.0   1.10  0.10
1387.8  1388.3 B   10.0  246.    0.2  172. 264.   0.7   0.0   1.00  0.70
1389.0  1389.9 C   17.8  266.    0.2  172. 260.   0.7   0.0   1.50  1.70
1390.0  1392.0 C   21.9  319.    0.2  174. 259.   0.7   0.0   0.0   2.00
1392.6  1394.3 C    7.3  199.    0.2  170. 251.   0.7   0.0   0.70  0.10
1394.3  1396.0 C    1.3  310.    0.2  167. 244.   0.7   0.0   0.0   0.10









CORRELATION   CORR. DIP    DIP. DRFT  DRFT AZ.    DIA  DISPLACEMENTS
INTERVAL      GRADE ANGLE  AZ.  ANGLE AZ.  NO.1   1-3  NO.1 NO.2 NO.3
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1398.0  1398.0 B    0.2  347.    0.2  167. 237.  0.7  0.0  0.0   0.0
1400.0  1402.0 C    5.1   83.    0.2  155. 216.  0.7  0.0 -0.10 -0.50
1407.3  1408.5 C    6.7  174.    0.2  140. 199.  0.7  0.0  0.70  0.40
1413.5  1415.5 C   32.4  161.    0.2  159. 215.  0.7  0.0  3.40  0.40
1420.8  1422.5 C   20.9  338.    0.2  171. 211.  0.7  0.0 -2.70 -0.40
1422.5  1424.0 B   29.8  320.    0.1  163. 201.  0.7  0.0 -3.00 -0.30
1427.5  1428.5 C    7.2  295.    0.1  134. 159.  0.7  0.0 -0.70 -0.20
1432.5  1434.3 B    7.6  325.    0.1  135. 136.  0.6  0.0 -0.60 -0.70
1434.3  1435.5 C   15.3  262.    0.1  132. 127.  0.5  0.0 -1.50 -0.40
1437.3  1438.5 B   18.7  277.    0.1  126. 100.  0.6  0.0 -1.80 -1.50
1438.5  1440.0 C   27.2  356.    0.1  119.  95.  0.6  0.0  1.10 -1.80
1440.0  1442.0 B   11.3  309.    0.1  100.  65.  0.6  0.0 -0.30 -1.10
1442.0  1444.0 B    5.4  275.    0.1  104.  64.  0.6  0.0 -0.40 -0.50
1444.0  1446.0 A    8.1  295.    0.1  105.  86.  0.6  0.0 -0.30 -0.60
1446.0  1448.0 A   10.6  314.    0.1  102.  86.  0.6  0.0 -0.20 -1.00
1448.0  1450.0 C   10.3  309.    0.1   99.  87.  0.6  0.0 -0.30 -1.00
1450.5  1452.0 C    3.1  304.    0.1   93.  65.  0.6  0.0 -0.10 -0.30
1452.0  1454.0 B    7.2  290.    0.2   90.  80.  0.6  0.0 -0.40 -0.70
1454.0  1456.0 B    6.0  324.    0.2   87.  80.  0.7  0.0  0.0  -0.70
1456.0  1458.0 A    7.3  279.    0.2   82.  84.  0.7  0.0 -0.50 -0.70
1458.0  1460.0 A    6.1  294.    0.2   76.  86.  0.7  0.0 -0.30 -0.60
1460.0  1462.0 A    5.2  291.    0.2   76.  93.  0.7  0.0 -0.40 -0.60
1468.5  1470.0 C   10.2  318.    0.3   80.  91.  0.7  0.0 -0.40 -1.80
1470.0  1472.0 A   13.0  295.    0.3   73.  87.  0.7  0.0 -0.50 -1.00
1472.0  1474.0 A    8.3  247.    0.4   67.  89.  0.7  0.0 -0.80 -0.50
1474.0  1476.0 C    4.2  316.    0.4   66.  96.  0.7  0.0 -0.10 -0.40
1477.0  1478.5 C    9.1  204.    0.4   71. 109.  0.7  0.0 -0.50  0.40
1483.9  1485.5 C    6.0  178.    0.6   61. 130.  0.7  0.0  0.30  0.60
1487.5  1488.5 C   31.8  272.    0.7   72. 126.  0.7  0.0 -3.50 -1.80
1500.8  1504.0 C   38.0  212.    1.1   70. 123.  0.7  0.0 -2.10 -2.30
1505.7  1507.0 B    4.4  232.    1.1   69. 107.  0.6  0.0 -0.30  0.0
1507.0  1509.3 C   22.5  236.    1.2   71. 103.  0.5  0.0 -2.20 -0.90
1512.5  1514.3 B   14.8  243.    1.3   74.  93.  0.7  0.0 -1.40 -0.70
1516.3  1518.3 B   20.9  259.    1.4   73.  63.  0.7  0.0 -1.40 -2.00
1518.3  1520.3 C    9.8  250.    1.4   68.  57.  0.7  0.0 -0.80 -0.60
1520.3  1522.0 C   40.8  193.    1.4   69.  56.  0.6  0.0 -4.50 -1.40
1524.0  1525.5 B   15.9  217.    1.5   71.  81.  0.5  0.0 -1.00 -1.50
1530.8  1531.0 C   18.8  288.    1.6   67.  55.  0.5  0.0 -0.10 -1.60
1532.3  1533.5 C   20.8  292.    1.7   67.  59.  0.6  0.0 -0.10 -1.80
1535.0  1536.3 C    7.2  281.    1.8   67.  52.  0.5  0.0  0.0  -0.50
1538.0  1540.0 C    4.9  273.    1.8   65.  47.  0.7  0.0  0.0  -0.30
1540.5  1542.3 C    7.3  289.    1.9   68.  43.  0.7  0.0  0.20 -0.40
1542.5  1544.0 C   10.7  250.    1.9   69.  45.  0.7  0.0 -0.50 -0.90
1548.5  1550.0 C   13.3  280.    2.0   66.  51.  0.6  0.0 -0.10 -1.10
1550.0  1552.0 C   12.3  256.    2.1   69.  55.  0.6  0.0 -1.00 -1.70
1552.5  1554.0 C    9.7  260.    2.1   65.  54.  0.6  0.0 -0.40 -0.80
1560.3  1562.0 C   31.3  201.    2.2   66.  72.  0.6  0.0 -2.50 -3.10
1566.3  1568.3 C   29.5  238.    2.2   76.  36.  0.6  0.0 -2.00 -3.00
1581.5  1582.0 C   46.1  300.    2.5   73.  27.  0.6  0.0  3.90 -1.60
1590.4  1592.0 C   53.4  337.    2.7   70. 322.  0.6  0.0  5.20  7.50
1593.0  1594.5 C   59.5  340.    2.7   71. 313.  0.6  0.0  5.00  9.70
1599.0  1601.5 C    9.1  195.    2.6   71. 322.  0.7  0.0 -0.30 -0.80
1601.5  1602.5 C    2.7  252.    2.7   72. 317.  0.7  0.0  0.0   0.0
1608.0  1610.5 B    0.7  228.    2.6   74. 293.  0.7  0.0 -0.20 -0.10
1610.5  1612.5 B    1.9  121.    2.6   75. 288.  0.7  0.0 -0.40 -0.30




CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.   DIA  DISPLACEMENTS
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INTERVAL      GRADE ANGLE  AZ.   ANGLE AZ.   NO.1   13   NO.1 NO.2 NO.3


1612.5  1614.3 C    2.7  137.    2.6    73. 267.   0.7   0.0 -0.40 -0.40
1614.3  1615.5 B    1.5    3.    2.6    75. 290.   0.7   0.0 -0.30  0.0
1615.5  1616.3 B    5.9  148.    2.7    74. 291.   0.7   0.0 -0.50 -0.70
1622.0  1623.5 C    6.3  179.    2.8    73. 280.   0.7   0.0  0.0  -0.70
1625.0  1626.0 C    6.1   63.    2.6    75. 257.   0.7   0.0 -0.90 -0.50
1627.0  1628.5 B    4.4   40.    2.9    76. 282.   0.7   0.0 -0.70 -0.20
1628.5  1629.5 B    9.2   50.    2.9    77. 270.   0.7   0.0 -0.60 -0.30
1629.5  1632.0 B    6.9  219.    2.9    78. 272.   0.7   0.0 -0.20 -0.20
1632.0  1634.3 B    5.5  121.    2.9    76. 257.   0.7   0.0 -0.40 -0.60
1634.5  1636.3 C    9.9    3.    2.9    77. 243.   0.7   0.0 -1.10 -0.30
1638.0  1640.0 A   12.7   31.    2.9    81. 239.   0.7   0.0 -1.50 -1.00
1641.0  1642.5 B    6.5   43.    2.9    82. 216.   0.7   0.0 -0.60 -0.90
1642.5  1644.5 B    5.6   35.    2.9    82. 201.   0.7   0.0 -0.40 -0.60
1644.5  1646.1 A    9.2   76.    3.0    83. 164.   0.7   0.0  0.30 -0.90
1648.0  1649.5 A   15.4   42.    3.0    83. 151.   0.7   0.0  0.50 -1.30
1651.0  1652.5 B   13.9    7.    3.0    83. 128.   0.7   0.0  0.40 -1.10
1652.5  1654.3 A    8.6    6.    3.0    83. 114.   0.7   0.0  0.50 -0.50
1654.3  1657.5 B    9.6  352.    3.0    83.  87.   0.7   0.0  0.70 -0.30
1658.5  1660.0 C   13.0  337.    3.0    84.  60.   0.7   0.0  1.00 -0.20
1662.0  1663.5 C   10.8  338.    3.0    83.  52.   0.6   0.0  1.40 -0.10
1664.0  1666.3 C    6.3   10.    3.0    79.  53.   0.7   0.0  0.80  0.50
1667.0  1670.0 B   15.7   20.    3.1    83.  67.   0.7   0.0  1.60  0.70
1670.0  1672.5 A   12.6   75.    3.1    82.  70.   0.7   0.0  1.30  1.50
1683.0  1683.5 B    2.3  335.    3.9    94.  59.   0.6   0.0  0.30  0.30
1683.5  1684.5 C    5.5  313.    3.9    94.  56.   0.5   0.0  0.30  0.0
1709.9  1710.0 B   10.0  326.    3.4    83.  61.   0.6   0.0  0.90 -0.60
1711.0  1711.3 C   17.5    3.    3.4    82.  71.   0.6   0.0  1.70  0.10
1716.0  1716.3 C   11.0    3.    3.4    85.  75.   0.6   0.0  1.10  0.10
1720.0  1720.3 B    1.6  197.    3.3    82.  73.   0.7   0.0  0.10  0.30
1724.6  1725.0 B   12.1  320.    3.3    82.  66.   0.7   0.0  0.50 -0.60
1728.0  1729.0 B   12.5  163.    3.4    85.  69.   0.6   0.0 -0.50  0.90
1730.0  1731.0 A    4.6  344.    3.5    90.  75.   0.6   0.0  0.90  0.10
1735.0  1735.3 C   16.9  349.    4.0    99.  33.   0.6   0.0  1.60  0.60
1738.0  1738.3 B   17.6   61.    4.0    96.  21.   0.6   0.0  0.50  2.10
1742.0  1742.3 C   16.6  302.    4.3    92. 306.   0.6   0.0  1.10  1.20
1745.0  1746.0 B    7.1  356.    4.4    91. 291.   0.6   0.0 -0.50  0.30
1750.0  1750.3 C   13.6  314.    4.3    88. 285.   0.6   0.0  0.30  1.10
1753.7  1754.0 C    6.7  309.    4.3    87. 269.   0.7   0.0  0.0   0.40
1765.0  1765.3 C   11.3  315.    4.1    89. 294.   0.7   0.0  0.30  0.90
1769.6  1770.0 C   10.0  296.    3.7    81. 300.   0.7   0.0  0.60  0.60
1774.0  1774.3 C   28.4  309.    3.7    85. 292.   0.7   0.0  1.70  2.60
1780.0  1780.3 C    6.6  319.    3.9    94. 270.   0.7   0.0 -0.20  0.30
1783.7  1784.0 C   26.0  255.    3.8    90. 275.   0.6   0.0  2.40  1.50
1789.6  1790.0 B   10.0   27.    3.8    85. 294.   0.6   0.0 -1.00  0.30
1793.7  1794.0 B    7.2  240.    3.7    82. 294.   0.6   0.0  0.30 -0.10
1799.0  1799.4 C    9.9  212.    3.7    81. 291.   0.7   0.0  0.30 -0.50
1806.0  1806.3 C    2.7  121.    3.7    79. 307.   0.6   0.0 -0.60 -0.30
1813.0  1813.3 C    2.6  338.    3.8    80. 296.   0.6   0.0 -0.30  0.10
1819.0  1819.3 C    0.6  329.    3.7    83. 311.   0.6   0.0 -0.30  0.0
1821.0  1821.3 B    6.8  212.    3.7    84. 311.   0.6   0.0 -0.10 -0.50
1823.0  1823.3 B    3.3  143.    3.7    84. 311.   0.6   0.0 -0.60 -0.40
1826.5  1826.7 C   17.7  244.    3.7    83. 304.   0.6   0.0  1.20 -0.10
1831.0  1831.3 B    8.3  239.    3.8    82. 307.   0.6   0.0  0.30 -0.20
1833.8  1834.0 B   17.9  234.    3.8    82. 299.   0.5   0.0  1.10 -0.30
1836.0  1836.3 C    6.1  196.    3.8    83. 274.   0.5   0.0  0.20 -0.50




CORRELATION  CORR. DIP    DIP   DRFT  DRFT AZ.   DIR   DISPLACEMENTS
INTERVAL      GRADE ANGLE  AZ.   ANGLE AZ.   NO.1   13   NO.1 NO.2 NO.3
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1839.0   1839.3 B    9.0  189.    3.8   84.  239.   0.5   0.0   0.70  -0.20
1841.0   1841.3 B   10.3  240.    3.8   84.  226.   0.5   0.0   0.60   0.60
1843.0   1843.3 B    9.7  229.    3.8   85.  211.   0.5   0.0   0.60   0.60
1847.0   1847.3 B   11.4  240.    3.8   85.  200.   0.5   0.0   0.40   0.60
1849.6   1850.0 B    9.7  180.    3.8   86.  182.   0.5   0.0   1.00   0.60
1853.0   1854.0 B   10.0  234.    3.8   87.  139.   0.5   0.0  -0.70   0.00
1857.7   1858.0 B   11.5  227.    3.8   86.   99.   0.5   0.0  -0.70   0.10
1861.0   1861.3 C   14.6  245.    3.8   84.   65.   0.5   0.0  -1.00  -0.90
1863.0   1863.3 B    8.3  222.    3.8   85.   47.   0.5   0.0  -0.60  -0.30
1866.0   1867.0 B    8.5  206.    3.8   85.  212.   0.4   0.0   0.0   -0.30
1868.0   1868.5 B    6.9  194.    3.8   83.  350.   0.4   0.0  -0.70  -0.70
1871.0   1872.0 B   11.9  214.    3.8   83.  317.   0.5   0.0   0.0   -0.60
1872.0   1873.0 A   17.8  211.    3.8   83.  310.   0.5   0.0   0.30  -1.20
1875.0   1875.3 B   12.4  207.    3.9   82.  299.   0.5   0.0   0.20  -0.80
1877.0   1878.0 B   10.9  264.    3.9   82.  292.   0.6   0.0   0.20  -0.70
1879.0   1880.0 C   12.7  208.    3.9   83.  289.   0.5   0.0   0.40  -0.70
1883.8   1884.0 A    2.5  121.    3.9   85.  260.   0.6   0.0  -0.40  -0.60
1886.5   1887.0 A    6.5  167.    3.9   56.  237.   0.6   0.0   0.30  -0.50
1889.0   1890.0 B    8.2  136.    3.8   86.  220.   0.6   0.0   0.40  -0.70
1891.0   1892.0 B    5.9  209.    3.8   87.  207.   0.6   0.0   0.50   0.20
1893.0   1893.2 B    5.4  170.    3.8   86.  197.   0.6   0.0   0.60   0.0
1894.0   1894.3 B    6.5  135.    3.8   86.  190.   0.6   0.0   0.70  -0.20
1896.0   1897.0 B    7.4  163.    3.8   85.  180.   0.7   0.0   0.90   0.30
1899.0   1900.0 B    5.0  162.    3.8   87.  166.   0.6   0.0   0.70   0.30
1900.0   1901.0 A    5.1  165.    3.8   88.  159.   0.6   0.0   0.70   0.40
1903.0   1904.0 B    3.2   80.    3.8   89.  120.   0.6   0.0   0.70   0.30
1905.0   1905.2 B    2.5  190.    3.8   89.  101.   0.6   0.0   0.20   0.40
1908.0   1908.3 B    3.1  207.    3.8   88.   76.   0.7   0.0   0.0    0.30
1911.7   1912.0 B    9.1  135.    3.8   85.   66.   0.7   0.0   0.10   1.10
1915.0   1916.0 B    3.1  253.    3.9   86.   62.   0.7   0.0   0.0    0.10
1919.0   1920.0 A    6.6  118.    3.9   84.   63.   0.7   0.0   0.30   1.00
1921.0   1921.3 B    1.2   89.    3.8   88.   65.   0.7   0.0   0.30   0.50
1923.0   1923.3 B    3.6  199.    3.8   87.   67.   0.7   0.0  -0.10   0.30
1927.0   1928.0 B    2.7  298.    3.7   87.   71.   0.7   0.0   0.20   0.10
1929.2   1929.3 B   11.7  170.    3.7   87.   60.   0.7   0.0  -0.60   0.70
1932.0   1933.0 B    4.6  219.    3.6   87.   49.   0.7   0.0  -0.30   0.0
1935.0   1935.3 B   11.5  178.    3.6   87.   35.   0.6   0.0  -1.10  -0.10
1937.0   1938.0 B    5.0  170.    3.5   87.   27.   0.5   0.0  -0.50   0.10
1939.0   1940.0 B    5.0  187.    3.5   91.   26.   0.6   0.0  -0.60  -0.10
1941.0   1942.0 C   10.3  288.    3.5   57.  162.   0.6   0.0  -0.70  -0.20
1943.0   1944.0 B    8.0  129.    3.4   85.  342.   0.6   0.0  -1.10  -0.30
1945.0   1945.3 B    5.3  172.    3.4   85.  330.   0.6   0.0  -0.60  -0.50
1947.0   1948.0 B   11.7  194.    3.4   85.  313.   0.7   0.0  -0.30  -1.10
1948.0   1949.0 A    8.5  198.    3.4   85.  306.   0.7   0.0  -0.20  -0.60
1951.0   1952.0 B    2.9  209.    3.4   86.  279.   0.7   0.0  -0.10  -0.30
1954.0   1954.3 B   10.0  161.    3.5   88.  274.   0.7   0.0  -0.20  -1.10
1957.7   1958.0 B    8.0  162.    3.5   87.  260.   0.7   0.0   0.10  -0.60
1959.3   1959.7 B    8.2  219.    3.6   87.  264.   0.7   0.0   0.50  -0.10
1963.0   1963.3 B    7.7  159.    3.6   91.  265.   0.7   0.0  -0.10  -0.90
1965.0   1965.3 B    7.7  178.    3.6   89.  267.   0.7   0.0   0.10  -0.70
1969.6   1969.7 B   11.5  189.    3.5   90.  257.   0.7   0.0   0.70  -0.50
1971.6   1972.0 B    2.9  159.    3.5   89.  251.   0.7   0.0  -0.10  -0.50
1977.6   1978.0 B    9.5  180.    3.4   88.  257.   0.6   0.0   0.40  -0.60
1978.0   1978.4 A    5.3  165.    3.4   88.  257.   0.6   0.0   0.0   -0.60
1982.0   1982.3 B    1.5  297.    3.4   89.  253.   0.6   0.0  -0.20  -0.20
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CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.   DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE  AZ.  ANGLE AZ.  NO.1  1-3  NO.1 NO.2 NO.3


1985.0  1985.3 B   1.0  234.   3.3   86. 263.  6.6  0.0 -0.10 -0.20
1988.0  1988.3 B   9.3  334.   3.3   69. 302.  6.7  0.0  0.10  0.60
1993.6  1994.0 C  24.9  295.   3.3   69. 267.  6.6  0.0  1.70  2.20
1999.8  2000.0 B  24.1  236.   3.4   95. 271.  6.6  0.0  2.30  0.90
2000.0  2000.7 C  20.7  247.   3.4   90. 265.  6.6  0.0  2.80  1.90
2003.0  2003.2 C  25.4  250.   3.4   97. 247.  6.6  0.0  2.10  2.10
2009.0  2009.7 C   7.5  245.   3.5   97. 247.  6.6  0.0  0.50  0.30
2017.0  2016.0 D  17.0  290.   3.4   94. 246.  6.7  0.0  0.10  1.30
2021.0  2021.3 D  16.7  250.   3.4   94. 253.  6.7  0.0  1.50  1.30
2025.0  2025.3 C   8.0  301.   3.4   96. 247.  6.6  0.0 -0.10  0.40
2026.0  2027.0 C  14.0  239.   3.4  107. 241.  6.6  0.0  1.20  0.90
2030.0  2030.3 B  15.9  251.   3.4   96. 267.  6.6  0.0  1.30  0.80
2039.0  2040.0 D  24.0  278.   3.4   96. 268.  6.5  0.0  1.60  2.90
2044.0  2044.3 C  31.6  337.   3.4   90. 302.  6.5  0.0  1.10  3.20
2046.0  2046.3 C   9.4  193.   3.4  100. 288.  6.6  0.0  0.10 -0.60
2051.0  2052.0 C   6.2  225.   3.5   98. 266.  6.7  0.0  0.20 -0.30
2057.0  2058.0 C  10.4  230.   3.5   99. 266.  6.7  0.0  0.80  0.10
2059.0  2060.0 D   3.0  244.   3.4   97. 265.  6.7  0.0  0.10 -0.10
2063.0  2064.0 C   5.2  189.   3.3   96. 295.  6.7  0.0 -0.20 -0.60
2070.0  2071.0 B  12.5  250.   3.2   99. 296.  6.6  0.0  0.90  0.10
2073.0  2074.0 B  21.9  224.   3.1   97. 306.  6.6  0.0  1.10 -1.00
2075.0  2075.3 C   2.0  144.   3.1   96. 310.  6.6  0.0 -0.50 -0.40
2079.0  2080.0 D  16.9  264.   3.2   99. 309.  6.4  0.0  1.30  0.30
2084.0  2084.4 C   2.1  213.   3.4   97. 295.  6.6  0.0 -0.20 -0.30
2088.0  2088.3 C   2.0   60.   3.4  100. 269.  6.5  0.0 -0.50 -0.30
2093.0  2093.3 C  24.1  312.   3.3  101. 290.  6.5  0.0  1.20  2.20
2097.0  2097.0 D  10.5  245.   3.3  103. 269.  6.5  0.0  0.80  0.30
2105.0  2106.0 C   9.3    1.   3.2  102. 288.  6.4  0.0 -0.50  0.40
2107.0  2107.7 C   4.5  237.   3.3  102. 292.  6.4  0.0  0.10 -0.20
2109.0  2110.0 C  18.2   70.   3.3  100. 291.  6.6  0.0 -2.20 -0.90
2111.0  2111.3 C  15.2   11.   3.3  100. 293.  6.6  0.0 -0.80  0.80
2115.0  2116.0 C  16.2   28.   3.1  102. 297.  6.8  0.0 -1.20  0.60
2120.0  2120.3 C  43.0  329.   3.1  102. 262.  6.8  0.0  0.90  4.60
2124.0  2124.3 C  13.7  354.   3.1  104. 275.  6.5  0.0 -0.70  0.60
2129.0  2130.0 C   6.9   27.   3.1  101. 288.  6.4  0.0 -0.70  0.0
2135.0  2136.0 C   8.5  107.   3.3  103. 286.  6.4  0.0 -1.00 -1.00
2137.0  2138.0 C   8.4  167.   3.3  104. 288.  6.5  0.0 -0.30 -1.00
2143.0  2143.3 C  13.9   65.   3.3  104. 280.  6.6  0.0 -1.70 -0.70
2147.0  2148.0 C  17.3  267.   3.3  104. 292.  6.7  0.0  1.30  1.20
2151.0  2152.0 D   8.1  183.   3.2  110. 279.  6.6  0.0  0.10 -0.60
2155.0  2156.0 D  14.9  230.   3.4  106. 274.  6.5  0.0  1.20  0.10
2163.0  2163.3 D   7.9  320.   4.0  120. 255.  6.9  0.0 -0.30  0.20
2169.0  2170.0 D  15.4  280.   3.7  113. 255.  6.7  0.0  0.60  1.20
2173.0  2173.3 C   8.3   56.   3.6  109. 238.  6.8  0.0 -0.80 -1.10
2182.0  2182.3 C   6.0  331.   3.8  107. 267.  7.0  0.0 -0.30  0.20
2189.0  2189.3 D  43.5  241.   3.5  111. 240.  6.6  0.0  4.40  4.30
2193.7  2194.0 C  25.7  102.   3.7  110. 240.  6.5  0.0 -0.90 -3.10
2197.0  2197.3 C  31.2  290.   3.8  108. 237.  6.6  0.0  0.30  2.70
2203.0  2203.3 D  12.6  173.   3.7  107. 232.  6.6  0.0  1.10 -0.30
2208.0  2209.0 C  16.7  298.   3.7  109. 237.  6.5  0.0 -0.10  1.10
2212.0  2212.4 C  14.0  319.   3.7  108. 248.  6.6  0.0 -0.40  0.70
2217.0  2218.0 C  13.6  277.   3.7  106. 257.  6.6  0.0  0.70  1.00
2222.0  2222.3 C  37.8  254.   3.6  100. 265.  6.7  0.0  3.90  2.80
2226.0  2226.3 C  18.9   29.   3.7  104. 318.  7.0  0.0 -0.80  1.40
2231.0  2231.3 C  13.4  237.   3.8  108. 348.  7.1  0.0 -0.10 -1.10
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CORRELATION   CORR. DIP    DIP  DRFT  DRFT AZ.   DIA  DISPLACEMENTS
INTERVAL      GRADE ANGLE  AZ.  ANGLE AZ.  NO.1  13   NO.1 NO.2 NO.3


2233.0  2233.7 B   19.2  272.   3.8  108. 347.  6.8  0.0   1.10 -0.50
2234.0  2234.3 A    5.4  300.   3.8  108. 344.  6.8  0.0   0.20  0.20
2237.0  2238.0 C   13.0  275.   3.8  109. 324.  6.9  0.0   0.90  0.10
2246.0  2246.3 C   20.0  257.   3.9  104. 305.  7.2  0.0   1.70  0.20
2250.0  2252.0 B   23.1  307.   4.0  107. 281.  7.2  0.0   1.10  2.20
2253.3  2254.3 C   29.9  235.   4.0  107. 290.  6.9  0.0   2.70  0.0
2266.5  2269.5 C    1.6  101.   4.2  112. 210.  7.0  0.0   0.20 -0.40
2272.0  2273.3 C   16.9  279.   4.1  114. 207.  7.0  0.0  -0.20  1.10
2274.3  2275.5 B   17.9   34.   4.1  114. 196.  6.7  0.0  -1.00 -2.00
2280.0  2280.0 B    4.3   72.   4.2  106. 210.  6.8  0.0   0.0  -0.70
2289.3  2289.7 C   27.7  248.   4.2  108. 208.  6.6  0.0   1.10  2.60
2296.0  2296.3 A   16.4  339.   4.2  110. 184.  6.8  0.0  -1.40 -1.10
2298.3  2300.0 A   16.1  355.   4.2  110. 172.  6.7  0.0  -1.20 -1.70
2305.0  2306.0 C   32.0  323.   4.3  111. 116.  6.4  0.0  -1.40 -3.00
2307.0  2308.0 C   30.7  255.   4.3  109.  96.  6.3  0.0  -2.80 -1.00
2309.8  2310.0 A   32.0  271.   4.3  109.  93.  6.3  0.0  -2.60 -2.40
2313.0  2314.0 C   25.3  231.   4.3  109.  93.  6.3  0.0  -2.20 -0.40
2316.2  2316.3 B   16.0   24.   4.4  113.  57.  6.3  0.0   1.50  1.10
2319.0  2320.0 A   11.7  357.   4.4  112.  36.  6.3  0.0   1.00  0.70
2321.0  2322.0 C    2.9   23.   4.5  109.  28.  6.3  0.0   0.10  0.50
2324.0  2324.7 C   14.9  357.   4.5  105.  11.  6.3  0.0   1.10  1.20
2327.0  2327.3 B   10.9  335.   4.5  106.  12.  6.3  0.0   0.80  0.80
2332.0  2332.7 B   21.4  261.   4.5  104. 344.  6.3  0.0   0.90 -0.60
2337.0  2337.3 C   23.6  314.   4.5  104. 335.  6.3  0.0   1.90  1.40
2343.0  2343.4 C   22.6  343.   4.5  105. 345.  6.3  0.0   1.80  1.90
2345.0  2345.3 C   24.0   76.   4.5  105. 347.  6.3  0.0  -1.70  1.20
2353.0  2353.3 C    7.6  271.   4.7  105. 353.  6.3  0.0   0.10 -0.20
2355.0  2355.3 C    6.7  337.   4.7  105. 345.  6.2  0.0   0.20  0.50
2358.0  2358.3 C    9.9  292.   4.7  104. 337.  6.3  0.0   0.50  0.20
2364.0  2364.3 C    3.8   52.   4.7  104. 337.  6.2  0.0  -0.90  0.20
2367.0  2367.3 C   21.6  275.   4.8  102. 341.  6.2  0.0   1.30 -0.20
2373.0  2373.6 C   42.9  100.   4.8  101. 347.  6.3  0.0  -4.80  0.70
2379.0  2379.3 C    4.7   52.   4.8  101. 331.  6.3  0.0  -0.60  0.20
2380.0  2380.4 A    5.8  314.   4.8  101. 329.  6.3  0.0   0.10  0.30
2383.0  2383.5 C    5.8  290.   4.9  102. 329.  6.3  0.0   0.10  0.10
2385.6  2385.7 C   10.8  301.   4.9  103. 335.  6.3  0.0   0.60  0.40
2387.0  2387.3 B    9.0  310.   4.8  104. 333.  6.3  0.0   0.40  0.50
2390.0  2390.8 B    8.1   55.   4.8  104. 329.  6.2  0.0  -0.70  0.20
2392.0  2392.3 B   24.2  274.   4.8  104. 323.  6.3  0.0   1.80  0.30
2394.0  2394.3 A   10.6  332.   4.8  103. 319.  6.3  0.0   0.30  0.60
2398.0  2398.3 C   24.3  307.   4.8  102. 316.  6.4  0.0   1.80  1.70
2402.0  2402.3 C   16.9  299.   4.8  102. 311.  6.4  0.0   1.10  1.00
2404.0  2405.0 A   12.6  336.   4.9  102. 315.  6.4  0.0   0.30  1.00
2408.0  2408.4 C   11.1  282.   4.9  102. 313.  6.4  0.0   0.60  0.30
2414.0  2414.3 C   13.4  349.   4.9  102. 315.  6.4  0.0   0.10  1.10
2417.0  2418.0 C    9.4  153.   5.0  102. 311.  6.4  0.0  -0.60 -1.10
2422.0  2422.3 B   13.0  356.   4.9  105. 303.  6.3  0.0  -0.30  0.90
2425.0  2425.3 B   16.4  281.   4.9  104. 302.  6.3  0.0   1.10  0.70
2428.0  2428.8 B   20.3  298.   5.1  103. 299.  6.3  0.0   1.80  1.90
2431.0  2431.3 C   13.4   30.   5.1  103. 307.  6.3  0.0  -1.00  0.50
2433.8  2434.0 A    9.0  350.   5.2  105. 302.  6.3  0.0  -0.40  0.50
2435.0  2435.3 A   10.6   29.   5.2  105. 306.  6.3  0.0  -0.90  0.30
2437.0  2438.0 B    7.2  310.   5.2  107. 309.  6.3  0.0   0.10  0.30
2438.5  2439.1 B   23.5  341.   5.2  107. 307.  6.3  0.0   0.50  2.00
2441.0  2441.3 B   18.8  343.   5.3  104. 303.  6.3  0.0   0.10  1.40
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CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.  DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE  AZ.  ANGLE AZ.  NO.1  13  NO.1 NO.2 NO.3


2443.0  2443.3 C   16.5  351.   5.3  103. 310.  8.3  0.0   0.0   1.30
2447.0  2447.3 C   16.1  325.   5.4  105. 311.  8.3  0.0   0.60  1.20
2448.3  2448.5 C   15.7  317.   5.4  105. 311.  8.3  0.0   0.70  1.10
2453.0  2453.3 C   14.1  344.   5.4  106. 316.  8.3  0.0   0.20  1.10
2455.7  2456.0 C   23.6  342.   5.4  106. 329.  8.3  0.0   1.20  2.10
2459.0  2459.3 C   19.0   20.   5.4  104. 324.  8.4  0.0  -0.40  1.60
2463.0  2463.3 C   21.1  329.   5.5  106. 325.  8.4  0.0   1.20  1.70
2467.7  2468.0 B   18.6  334.   5.6  107. 322.  8.3  0.0   0.80  1.50
2469.8  2470.0 A   14.0  334.   5.6  107. 316.  8.3  0.0   0.40  1.10
2475.0  2475.3 B   11.3  271.   5.6  105. 319.  8.4  0.0   0.50  0.0
2476.6  2476.7 C   11.1  320.   5.6  105. 321.  8.4  0.0   0.40  0.70
2479.8  2480.0 C   19.0  322.   5.6  106. 320.  8.4  0.0   1.10  1.50
2482.0  2482.5 C   10.0  327.   5.6  107. 320.  8.4  0.0   0.70  1.20
2485.6  2486.0 B   27.2  296.   5.6  106. 316.  8.2  0.0   2.10  1.40
2487.0  2487.3 C   31.8  312.   5.6  107. 315.  8.2  0.0   2.30  2.40
2490.0  2491.0 B   21.3  340.   5.7  108. 317.  8.3  0.0   0.70  1.80
2493.0  2493.3 C    3.4   73.   5.7  109. 322.  8.3  0.0  -0.80 -0.20
2495.0  2495.3 C   13.6   32.   5.7  110. 312.  8.2  0.0  -1.00  0.50
2496.0  2497.0 B   16.1   46.   5.7  110. 309.  8.2  0.0  -1.70  0.20
2499.0  2500.0 B   26.6    5.   5.8  111. 308.  8.2  0.0  -0.40  2.00
2500.0  2500.3 B   12.6  351.   5.8  111. 307.  8.2  0.0  -0.20  0.80
2502.0  2502.5 B   29.2  358.   5.8  111. 304.  8.3  0.0  -0.30  1.80
2503.0  2503.5 C   13.4  352.   5.8  111. 302.  8.3  0.0  -0.30  0.80
2506.0  2506.3 C   22.1  354.   5.8  111. 297.  8.3  0.0  -0.40  1.50
2508.0  2508.4 C    9.9   82.   5.9  111. 301.  8.3  0.0  -1.50 -0.80
2513.0  2513.3 C    3.9  143.   6.0  110. 303.  8.4  0.0  -0.60 -0.60
2515.0  2515.3 C    7.8  351.   6.0  110. 304.  8.4  0.0  -0.40  0.30
2518.0  2519.0 B   20.2  340.   5.9  111. 313.  8.2  0.0   0.50  1.60
2520.3  2520.5 B   17.9  349.   5.8  111. 307.  8.2  0.0   0.0   1.30
2521.9  2522.0 B   36.8   10.   5.8  111. 294.  8.2  0.0  -1.60  2.30
2523.0  2524.0 C   34.1   14.   5.8  111. 293.  8.2  0.0  -1.80  1.80
2527.6  2527.7 C   11.1  299.   5.7  110. 296.  8.3  0.0   0.40  0.50
2532.0  2532.5 B   12.5  322.   5.6  110. 305.  8.4  0.0   0.30  0.80
2533.7  2534.0 A   20.3  347.   5.6  109. 305.  8.4  0.0   0.10  1.60
2535.0  2535.3 B   22.2  302.   5.6  109. 303.  8.4  0.0   1.40  1.50
2540.0  2540.3 C   13.0  277.   5.6  111. 306.  8.4  0.0   0.80  0.30
2543.7  2544.0 B   18.3  308.   5.7  112. 302.  8.3  0.0   0.90  1.20
2547.0  2548.0 B   11.3  309.   5.7  111. 297.  8.4  0.0   0.30  0.80
2549.0  2549.3 C   13.6  356.   5.7  110. 302.  8.4  0.0  -0.40  0.80
2552.0  2552.3 B   14.4  291.   5.7  109. 307.  8.3  0.0   0.80  0.90
2555.0  2555.3 C   17.4  280.   5.7  109. 309.  8.1  0.0   1.10  0.50
2556.5  2557.5 B   20.9  333.   5.7  110. 316.  8.1  0.0   0.80  1.60
2562.0  2563.5 C   30.7  210.   5.7  111. 323.  8.1  0.0   0.20 -2.50
2563.5  2564.3 B   13.3  307.   5.7  111. 326.  8.2  0.0   0.70  0.60
2564.3  2566.0 B   19.4  289.   5.7  111. 327.  8.2  0.0   1.30  0.50
2566.0  2566.3 C   15.7  322.   5.7  112. 327.  8.2  0.0   0.80  1.00
2568.3  2570.3 B   23.2  296.   5.7  112. 329.  8.2  0.0   1.70  0.90
2574.5  2576.3 B    2.5  182.   5.6  112. 321.  8.2  0.0  -0.60 -0.50
2576.3  2577.5 C   33.0  272.   5.6  112. 327.  8.2  0.0   2.50  0.10
2580.0  2582.2 C   12.0  332.   5.6  111. 319.  8.2  0.0   0.30  0.80
2584.5  2585.5 B   12.9  311.   5.5  110. 318.  8.2  0.0   0.60  0.70
2587.0  2588.5 B   15.3  345.   5.5  111. 324.  8.2  0.0   0.40  1.20
2588.5  2590.0 B   13.9  338.   5.5  113. 317.  8.2  0.0   0.30  1.00
2590.8  2592.5 B   17.3  358.   5.4  111. 309.  8.1  0.0  -0.20  1.20
2593.0  2594.3 B   12.9   18.   5.4  110. 314.  8.1  0.0  -0.60  0.70




CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.  DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE  AZ.  ANGLE AZ.  NO.1  13  NO.1 NO.2 NO.3
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2595.0   2595.7 C    24.5    59.     5.4   110.  320.   0.1   0.0  -2.10   0.00
2596.0   2597.5 B    26.9    65.     5.4   111.  317.   0.1   0.0  -2.80   0.30
2598.0   2599.3 B    13.2    30.     5.4   113.  299.   0.1   0.0  -1.10   0.20
2602.0   2603.0 C    19.5    19.     5.4   110.  269.   0.1   0.0  -1.00  -0.20
2605.0   2606.0 C     4.3    20.     5.4   109.  260.   0.1   0.0  -0.60  -0.50
2622.0   2623.0 D    15.7    23.     5.5   111.  275.   0.2   0.0  -1.50  -0.20
2625.0   2625.3 B     0.5   353.     5.5   112.  257.   0.2   0.0  -0.70  -0.20
2630.0   2631.0 B    16.1   196.     5.4   113.  207.   0.2   0.0   1.70   0.90
2633.0   2634.0 A    16.6    12.     5.4   112.  177.   0.2   0.0  -0.70  -1.60
2636.0   2639.0 D     9.4    23.     5.4   113.  156.   0.2   0.0   0.30  -0.70
2645.0   2646.0 C     5.3   270.     5.4   110.  191.   0.1   0.0   0.10   0.10
2649.0   2650.0 B    21.0     9.     5.4   109.  235.   0.2   0.0  -2.10  -1.00
2652.0   2653.0 C     7.1   174.     5.4   111.  231.   0.2   0.0   0.60  -0.40
2656.0   2657.0 D     2.3   273.     5.4   110.  201.   0.2   0.0   0.20  -0.10
2659.0   2660.0 D    11.5    31.     5.4   111.  207.   0.2   0.0  -0.70  -1.30
2662.0   2663.0 A    15.5     2.     5.4   112.  211.   0.2   0.0  -1.30  -1.10
2664.0   2665.0 B     6.6   207.     5.4   112.  207.   0.2   0.0   0.70   0.20
2666.0   2667.0 B    10.1    10.     5.4   112.  197.   0.3   0.0  -0.60  -1.00
2669.0   2670.0 B     9.3   357.     5.4   111.  198.   0.3   0.0  -0.60  -0.80
2671.0   2672.0 B    15.6   334.     5.4   111.  201.   0.3   0.0  -1.20  -0.80
2674.0   2675.0 B    10.0   345.     5.4   112.  205.   0.2   0.0  -0.70  -0.60
2676.0   2678.3 B    13.6    18.     5.4   111.  190.   0.2   0.0  -0.70  -1.40
2682.0   2682.3 B     7.4    67.     5.4   113.  191.   0.3   0.0   0.30  -0.80
2685.0   2686.0 B    13.9    32.     5.4   110.  188.   0.3   0.0   0.10  -1.30
2689.0   2689.6 D    13.3    13.     5.3   112.  193.   0.3   0.0  -0.80  -1.30
2691.0   2691.3 B    30.5   333.     5.3   111.  180.   0.3   0.0  -3.50  -1.90
2693.0   2694.0 B    11.1   326.     5.3   109.  187.   0.3   0.0  -0.70  -0.50
2695.0   2696.0 B    11.9     6.     5.3   112.  196.   0.2   0.0  -0.60  -1.00
2698.0   2698.3 B    12.3     5.     5.3   110.  195.   0.1   0.0  -0.80  -1.10
2700.0   2701.0 B    17.2   333.     5.3   111.  190.   0.2   0.0  -1.30  -0.80
2703.0   2704.0 A    11.2   330.     5.3   113.  190.   0.1   0.0  -0.70  -0.60
2707.0   2708.0 B    15.5   334.     5.3   112.  187.   0.1   0.0  -1.10  -0.80
2711.0   2712.0 B     5.4   351.     5.3   110.  206.   0.1   0.0  -0.30  -0.50
2715.0   2716.0 C     9.4    30.     5.4   109.  232.   0.1   0.0  -0.90  -1.00
2720.0   2721.0 B     8.5    65.     5.4   112.  233.   0.1   0.0  -0.60  -1.20
2723.7   2724.0 A    18.4   347.     5.4   113.  211.   0.1   0.0  -1.50  -0.80
2728.0   2728.3 B    19.2   280.     5.4   112.  194.   0.1   0.0  -0.50   0.60
2732.0   2733.0 B    10.1     6.     5.3   114.  217.   0.1   0.0  -0.80  -0.80
2737.0   2738.0 D    28.2    70.     5.3   112.  226.   0.1   0.0  -1.60  -3.10
2741.0   2742.0 D    35.4     8.     5.3   115.  228.   0.1   0.0  -3.60  -1.70
2745.0   2746.0 C    41.2   351.     5.3   114.  194.   0.1   0.0  -4.10  -2.90
2753.8   2754.0 C    11.4   341.     5.2   111.  201.   0.1   0.0  -0.80  -0.60
2759.6   2760.0 B     5.4   357.     5.1   112.  183.   0.1   0.0  -0.10  -0.50
2763.8   2764.0 B    16.6   344.     5.1   111.  185.   0.1   0.0  -1.20  -1.10
2767.7   2768.0 B     7.0   342.     5.1   112.  186.   0.1   0.0  -0.30  -0.50
2772.0   2772.4 C    20.4   295.     5.1   115.  180.   0.1   0.0  -1.20   0.10
2774.0   2775.0 C     8.3   320.     5.1   112.  187.   0.1   0.0  -0.40  -0.30
2778.0   2778.6 C     7.8    13.     5.1   112.  200.   0.2   0.0  -0.40  -0.60
2783.0   2784.0 D    15.1   320.     5.1   114.  196.   0.2   0.0  -1.00  -0.30
2789.6   2790.0 C    12.2   345.     5.1   114.  206.   0.1   0.0  -0.90  -0.60
2792.0   2793.0 B    12.1   343.     5.1   113.  213.   0.1   0.0  -0.90  -0.50
2795.0   2796.0 A    11.2     9.     5.1   114.  216.   0.1   0.0  -0.90  -0.90
2799.0   2800.0 A     6.6   332.     5.2   113.  232.   0.1   0.0  -0.40  -0.20
2800.0   2802.0 A     9.8   343.     5.2   112.  231.   0.1   0.0  -0.70  -0.30
2807.0   2808.0 B     9.0   350.     5.3   113.  181.   0.1   0.0  -0.40  -0.70
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CORRELATION  CORR. DIP    DIP  DRFT  DRFT AZ.   DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE  AZ.  ANGLE AZ.  NO.1  ID   NO.1 NO.2  NO.3


2809.0  2810.0 B   9.7    31.   5.3  112. 183.  0.1  0.0 -0.10 -1.00
2813.0  2814.0 D   6.8   305.   5.4  112. 204.  0.1  0.0 -0.30  0.0
2816.0  2817.0 D   4.6   330.   5.4  113. 213.  0.1  0.0 -0.20 -0.30
2821.0  2821.3 B  13.7   351.   5.5  113. 189.  0.1  0.0 -0.90 -1.00
2825.0  2826.0 C  15.5   341.   5.5  113. 190.  0.1  0.0 -1.10 -0.90
2829.0  2830.0 C  12.9   323.   5.5  112. 192.  0.1  0.0 -0.80 -0.40
2832.0  2833.0 C   2.7   315.   5.6  113. 196.  0.1  0.0  0.10 -0.20
2838.0  2839.0 A  17.4    13.   5.6  115. 194.  0.1  0.0 -1.10 -1.00
2841.0  2841.3 C  13.7    32.   5.6  114. 185.  0.1  0.0 -0.30 -1.40
2845.0  2845.2 C  10.1   354.   5.5  112. 193.  0.1  0.0 -0.60 -0.60
2849.0  2850.0 D   2.2   359.   5.5  114. 210.  0.1  0.0  0.0  -0.40
2851.0  2856.0 C   2.7   331.   5.5  114. 208.  0.1  0.0  0.0  -0.30
2859.0  2860.0 B   5.4   341.   5.5  113. 214.  0.1  0.0 -0.30 -0.40
2861.0  2862.0 B  16.7    11.   5.5  114. 225.  0.1  0.0 -1.70 -1.20
2865.0  2866.0 D   7.7   347.   5.5  114. 212.  0.1  0.0 -0.50 -0.50
2871.7  2872.0 C   9.0   320.   5.4  111. 177.  0.1  0.0 -0.50 -0.50
2875.0  2876.0 C   3.2   211.   5.4  111. 193.  0.1  0.0  0.50  0.10
2877.0  2877.3 C   7.0   352.   5.4  111. 189.  0.1  0.0 -0.30 -0.60
2880.0  2880.4 C   5.6    24.   5.4  111. 178.  0.1  0.0  0.10 -0.60
2885.0  2885.3 A  22.7   304.   5.3  113. 174.  0.1  0.0 -1.60 -0.40
2890.0  2890.3 D   9.0    46.   5.4  114. 178.  0.1  0.0  0.20 -0.90
2893.0  2893.2 B  12.9   339.   5.4  111. 171.  0.1  0.0 -0.70 -0.90
2895.0  2896.0 A  11.0    28.   5.4  109. 191.  0.1  0.0 -0.40 -1.20
2897.0  2898.0 A   8.5   153.   5.4  110. 202.  0.1  0.0  1.00 -0.10
2901.0  2902.0 D   4.2    29.   5.5  110. 190.  0.1  0.0  0.0  -0.60
2903.0  2904.0 C  10.4   333.   5.5  109. 184.  0.1  0.0 -0.60 -0.60
2907.0  2908.0 C   5.6   301.   5.6  109. 196.  0.1  0.0 -0.10 -0.10
2911.0  2912.0 C   5.0    51.   5.6  110. 198.  0.2  0.0  0.10 -0.70
2915.7  2916.0 D  11.8    38.   5.6  112. 191.  0.2  0.0 -0.30 -1.30
2920.0  2920.6 C  12.5   352.   5.6  114. 175.  0.2  0.0 -0.80 -1.60
2925.0  2926.0 C  13.9   149.   5.6  115. 177.  0.2  0.0  1.80  0.70
2932.0  2933.0 B  12.8   359.   5.4  114. 177.  0.2  0.0 -0.60 -1.10
2935.0  2936.0 D  14.7   351.   5.4  112. 173.  0.2  0.0 -0.80 -1.20
2937.0  2938.0 C   6.4    41.   5.4  112. 174.  0.2  0.0  0.30 -0.60
2942.3  2942.5 C   4.1   346.   5.4  113. 171.  0.2  0.0  0.10 -0.30
2947.7  2948.3 D  14.6   121.   5.3  112. 179.  0.2  0.0  1.70  0.0
2955.0  2956.0 C   6.0   249.   5.4  115. 176.  0.2  0.0  0.30  0.40
2963.0  2964.0 D   6.3   187.   5.4  116. 158.  0.3  0.0  0.80  0.80
2974.0  2974.3 C   6.2   230.   5.3  120. 173.  0.4  0.0  0.50  0.60
2979.0  2980.0 C  15.9   159.   5.4  117. 161.  0.3  0.0  1.90  1.50
2981.0  2982.0 C   9.0   101.   5.4  117. 163.  0.3  0.0  1.30  0.10
2989.0  2990.0 D   9.3    10.   5.3  116. 157.  0.2  0.0  0.10 -0.70
2991.0  2992.0 C   8.7   346.   5.3  116. 163.  0.2  0.0 -0.20 -0.50
2994.0  2994.3 C  17.3   354.   5.4  112. 148.  0.2  0.0 -0.40 -1.40
2998.0  2998.3 C  19.8   339.   5.4  121. 135.  0.2  0.0 -0.80 -1.50
3001.8  3002.0 D   9.0   360.   5.3  124. 131.  0.2  0.0  0.30 -0.40
3005.0  3006.0 C   7.8   178.   5.3  122. 123.  0.2  0.0  0.50  1.10
3015.0  3015.3 C  15.0   326.   5.4  122.  96.  0.2  0.0  0.10 -0.80
3020.0  3021.0 B   9.4    30.   5.3  120. 137.  0.2  0.0  0.70 -0.30
3023.0  3024.0 C   6.9   274.   5.3  122. 147.  0.2  0.0 -0.10  0.20
3027.0  3028.0 B  10.8   324.   5.3  124. 148.  0.2  0.0 -1.10 -1.20
3030.0  3031.0 A   9.2   321.   5.3  123. 149.  0.2  0.0 -0.30 -0.40
3042.0  3043.0 B  15.0   354.   5.3  123. 143.  0.2  0.0 -0.20 -1.10
3043.0  3043.3 B  16.2    14.   5.3  123. 141.  0.2  0.0  0.30 -1.10
3045.0  3046.0 D  17.8    16.   5.4  121. 140.  0.2  0.0  0.40 -1.20
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CORRELATION  CORR. DIP      DIP  DRFT  DRFT AZ.    DIA  DISPLACEMENTS
INTERVAL     GRADE ANGLE    AZ.  ANGLE AZ.  NO.1   13   NO.1 NO.2 NO.3


3047.0  3048.0 B    4.4  290.    5.5  124. 144.   0.2   0.0   0.10  0.10
3051.0  3052.0 C    4.1  336.    5.7  125. 154.   0.3   0.0   0.20 -0.10
3054.0  3054.3 B   12.3   58.    5.9  125. 160.   0.3   0.0   0.90 -0.60
3057.0  3058.0 B    7.1   41.    5.9  124. 150.   0.3   0.0   0.70 -0.20
3061.0  3062.0 C    4.7  136.    5.8  123. 159.   0.3   0.0   1.00  0.50
3064.0  3065.0 B   11.3  346.    5.7  122. 170.   0.3   0.0  -0.50 -0.60
3067.0  3068.0 A   13.6  303.    5.7  123. 176.   0.3   0.0  -0.70 -0.10
3071.0  3072.0 C   11.5  324.    5.7  120. 174.   0.3   0.0  -0.50 -0.50
3073.0  3074.0 B   13.8  320.    5.7  121. 175.   0.3   0.0  -0.80 -0.50
3077.0  3078.0 C   10.0  309.    5.7  122. 175.   0.3   0.0  -0.40 -0.10
3083.0  3084.0 C   23.0   11.    5.5  122. 189.   0.3   0.0  -1.50 -2.10
3085.0  3086.0 C   13.9  319.    5.6  123. 186.   0.3   0.0  -0.80 -0.30
3091.0  3091.3 C   18.8  350.    5.7  122. 188.   0.3   0.0  -1.30 -1.30
3099.0  3099.3 C   16.9  324.    5.5  122. 175.   0.1   0.0  -1.30 -0.80
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THE FOLLOWING PARAMETERS APPLY TO THE LOG FROM 420.0 FEET TO 3099.3

MAGNETIC DECLINATION IS 20.5 DEGREES.

DRIFT AZIMUTH AND AZIMUTH OF NO. 1 ARM HAVE BEEN CORRECTED TO
TRUE NORTH IN THIS PRESENTATION.

[illegible] interpretation of log data, conversion of log data to [illegible]