11.0 APPENDICES

Appendix A: Sample Input File

```
 **QA**          = PREBRAG QA RECORDS
 PREBRAG         = PROGRAM NAME
 6.00            = PROGRAM VERSION
 01/21/96        = PROGRAM REVISION DATE
 02/24/96        = PROGRAM RUN DATE
 11:16:45        = PROGRAM RUN TIME
 1996 BRAGFLO CASE 2: MEDIAN UNDISTURBED NO MIGRATION VARIANCE PETITION CALCULATION
 FILE FLAGS...ASCII, BINARY, SUMMARY, RESTART OUT, RESTART INPUT
 T T T T F
 MODEL TYPE AND NUMBER OF GRID BLOCKS IN X, Y, AND Z
    2   33   31    1
 TSTART,   TMAX,       MAXSTEPS
  -1.5779E+08   3.1557E+11  10000
 DT_INIT,  DT_MIN,   DT_MAX,   DT_INCR, IAUTODT, TSWITCH
   8.6400E+00   8.6400E-04   1.7280E+09   1.2500E+00  1     1.0000E+00
 TIME-STEP CHANGES: NUMBER OF CHANGES, TIME OF CHANGE, DELT USED
    7
   0.0000E+00   8.6400E+02
   3.1557E+08   8.6400E+02
   7.8892E+08   8.6400E+02
   1.5778E+09   8.6400E+02
   3.1557E+09   8.6400E+02
   6.3114E+09   8.6400E+02
   1.2623E+10   8.6400E+02
 IPRTYPEASC IPRTYPEBIN IPRTYPERST UNITSI UNITSO
    2    0    2      'SI'      'SI'
 ASCII PRINTOUT CONTROLLED BY USER SPECIFIED TIMES
    2
 USER REQUESTED PRINTOUT TIMES
  0.0000E+00   3.1557E+11
 BINARY PRINTOUT CONTROLLED BY STEP INTERVAL, IPRNTBIN
   20
 RESTART PRINTOUT CONTROLLED BY USER SPECIFIED TIMES
    1
 USER REQUESTED RESTART TIMES
  3.1557E+11
 ASCII PRINT FLAGS
  1 1 0 0 0  1 0 0 0 0  0 0 0 0 0  0 0 1 0 0  0 0 0 0 0
  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 1 1 0 0
  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0
  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0
  0 0 0 0 0  0
  0 0
  0 0
  0 0
 BINARY PRINT FLAGS
  1 1 0 0 0  1 0 0 0 1  1 0 0 1 0  0 0 1 0 1  0 0 0 0 0
  0 0 0 0 0  1 1 0 1 1  0 0 0 0 0  0 0 0 1 0  0 1 1 0 0
  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0
  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0  0 0 0 0 0
  0 0 0 0 0  0
  0 0
  0 0
  0 0
 HISTORY VARIABLE OUTPUT
    6
    1   31    NAME=BRINE PRESSURE
 9  8  1   10  8  1   11  8  1   12  8  1   13  8  1   14  8  1
15  8  1    9  9  1   10  9  1   11  9  1   12  9  1   13  9  1
14  9  1   15  9  1    9 10  1   10 10  1   11 10  1   12 10  1
13 10  1   14 10  1   15 10  1   17  8  1   18  8  1   19  8  1
17  9  1   18  9  1   19  9  1   17 10  1   18 10  1   19 10  1
12  1  1
   18   30    NAME=GAS SATURATION
 9  8  1   10  8  1   11  8  1   12  8  1   13  8  1   14  8  1
15  8  1    9  9  1   10  9  1   11  9  1   12  9  1   13  9  1
14  9  1   15  9  1    9 10  1   10 10  1   11 10  1   12 10  1
13 10  1   14 10  1   15 10  1   17  8  1   18  8  1   19  8  1
17  9  1   18  9  1   19  9  1   17 10  1   18 10  1   19 10  1
   31   94    NAME=TIME-AVERAGE INTERBLOCK BRINE FLOW, X-DIRECTION
 3  6  1    3 12  1    3 15  1    3 21  1    3 24  1    3 25  1
 3 26  1    3 27  1    3 28  1    3 29  1    3 30  1    3 31  1
32  6  1   32 12  1   32 15  1   32 23  1   32 24  1   32 25  1
32 26  1   32 27  1   32 28  1   32 29  1   32 30  1   32 31  1
 9  6  1    9 12  1    9 15  1   26  6  1   26 12  1   26 15  1
17  8  1   17  9  1   17 10  1   20  8  1   20  9  1   20 10  1
 9  8  1    9  9  1    9 10  1   16  8  1   16  9  1   16 10  1
23  6  1   23  7  1   23  8  1   23  9  1   23 10  1   23 11  1
23 12  1   23 13  1   23 14  1   23 15  1   23 16  1   23 17  1
23 18  1   23 19  1   23 20  1   23 21  1   23 22  1   23 23  1
23 24  1   23 25  1   23 26  1   23 27  1   23 28  1   23 29  1
23 30  1   23 31  1   24  6  1   24  7  1   24  8  1   24  9  1
24 10  1   24 11  1   24 12  1   24 13  1   24 14  1   24 15  1
24 16  1   24 17  1   24 18  1   24 19  1   24 20  1   24 21  1
24 22  1   24 23  1   24 24  1   24 25  1   24 26  1   24 27  1
24 28  1   24 29  1   24 30  1   24 31  1
   32   46    NAME=TIME-AVERAGE INTERBLOCK BRINE FLOW, Y-DIRECTION
```

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 9 11  1   10 11  1   11 11  1   12 11  1   13 11  1   14 11  1
15 11  1    9  8  1   10  8  1   11  8  1   12  8  1   13  8  1
14  8  1   15  8  1   17 11  1   18 11  1   19 11  1   17  8  1
18  8  1   19  8  1   23  6  1   23  7  1   23  8  1   23  9  1
23 10  1   23 11  1   23 12  1   23 13  1   23 14  1   23 15  1
23 16  1   23 17  1   23 18  1   23 19  1   23 20  1   23 21  1
23 22  1   23 23  1   23 24  1   23 25  1   23 26  1   23 27  1
23 28  1   23 29  1   23 30  1   23 31  1
   34   94    NAME=TIME-AVERAGE INTERBLOCK GAS FLOW, X-DIRECTION
 3  6  1    3 12  1    3 15  1    3 23  1    3 24  1    3 25  1
 3 26  1    3 27  1    3 28  1    3 29  1    3 30  1    3 31  1
32  6  1   32 12  1   32 15  1   32 23  1   32 24  1   32 25  1
32 26  1   32 27  1   32 28  1   32 29  1   32 30  1   32 31  1
 9  6  1    9 12  1    9 15  1   26  6  1   26 12  1   26 15  1
17  8  1   17  9  1   17 10  1   20  8  1   20  9  1   20 10  1
 9  8  1    9  9  1    9 10  1   16  8  1   16  9  1   16 10  1
23  6  1   23  7  1   23  8  1   23  9  1   23 10  1   23 11  1
23 12  1   23 13  1   23 14  1   23 15  1   23 16  1   23 17  1
23 18  1   23 19  1   23 20  1   23 21  1   23 22  1   23 23  1
23 24  1   23 25  1   23 26  1   23 27  1   23 28  1   23 29  1
23 30  1   23 31  1   24  6  1   24  7  1   24  8  1   24  9  1
24 10  1   24 11  1   24 12  1   24 13  1   24 14  1   24 15  1
24 16  1   24 17  1   24 18  1   24 19  1   24 20  1   24 21  1
24 22  1   24 23  1   24 24  1   24 25  1   24 26  1   24 27  1
24 28  1   24 29  1   24 30  1   24 31  1
   35   46    NAME=TIME-AVERAGE INTERBLOCK GAS FLOW, Y-DIRECTION
 9 11  1   10 11  1   11 11  1   12 11  1   13 11  1   14 11  1
15 11  1    9  8  1   10  8  1   11  8  1   12  8  1   13  8  1
14  8  1   15  8  1   17 11  1   18 11  1   19 11  1   17  8  1
18  8  1   19  8  1   23  6  1   23  7  1   23  8  1   23  9  1
23 10  1   23 11  1   23 12  1   23 13  1   23 14  1   23 15  1
23 16  1   23 17  1   23 18  1   23 19  1   23 20  1   23 21  1
23 22  1   23 23  1   23 24  1   23 25  1   23 26  1   23 27  1
23 28  1   23 29  1   23 30  1   23 31  1
MONITOR PARAMETER VALUES AT GRIDBLOCK(S)
T
NUMBER OF MONITOR BLOCKS
  3
MONITOR BLOCKS (I,J,K)
  12   10    1
  18   10    1
  26   12    1
GRID DATA FLAGS: IDXFLAG, IDYFLAG, IDZFLAG, IDEPTHFLAG
   1    2    1    7
GRID DATA CARDS: GRID BLOCK DX'S
1.500000E+04  5.000000E+03  1.000000E+03  7.500000E+02  5.000000E+02  1.000000E+02
4.000000E+01  1.000000E+01  4.380000E+01  1.000000E+01  2.000000E+00  4.000000E-01
2.000000E+00  1.000000E+01  4.380000E+01  4.000000E+01  1.000000E+02  4.950000E+02
1.000000E+02  8.000000E+01  2.830000E+02  5.000000E+01  1.000000E+01  6.000000E+01
5.000000E+02  1.000000E+01  4.000000E+01  1.000000E+02  5.000000E+02  7.500000E+02
1.000000E+03  5.000000E+03  1.500000E+04
GRID DATA CARDS: GRID BLOCK DY'S
2.728000E+00  4.737200E+01  1.391600E+02  5.000000E+01  1.100000E+01  8.500000E-01
1.380000E+00  1.320800E+00  1.320800E+00  1.320800E+00  2.617600E+00  2.700000E-01
4.610000E+00  4.450000E+00  1.800000E-01  2.390000E+01  5.242000E+01  5.242000E+01
8.588000E+01  8.588000E+01  4.534000E+01  3.728000E+01  3.600000E+01  7.700000E+00
2.480000E+01  8.500000E+00  1.730000E+01  1.060000E+02  4.330000E+01  1.566000E+01
1.000000E-01
GRID DATA CARDS: GRID BLOCK DZ'S
6.131430E+04  2.131430E+04  8.748800E+03  6.561600E+03  3.314300E+03  2.214300E+03
1.834300E+03  1.734300E+03  1.262000E+02  2.880000E+01  4.800000E+00  4.000000E-01
4.800000E+00  2.880000E+01  1.262000E+02  1.000000E+01  1.323000E+02  1.435000E+02
1.416000E+02  1.890000E+01  1.890000E+01  1.890000E+01  9.500000E+00  2.050000E+01
5.310000E+01  1.258900E+03  1.458900E+03  2.018900E+03  3.928000E+03  6.910600E+03
9.214100E+03  2.172690E+04  6.172690E+04
GRID BLOCK ELEVATIONS
 33* 1.293640E+02
 33* 1.544140E+02
  1*-3.441824E+01     1* 1.401058E+02     1* 1.924630E+02     1* 2.077339E+02
  1* 2.186417E+02     1* 2.238774E+02     1* 2.250991E+02     1* 2.255354E+02
  1* 2.260048E+02     1* 2.264743E+02     1* 2.265790E+02     1* 2.266000E+02
  1* 2.266209E+02     1* 2.267256E+02     1* 2.271951E+02     1* 2.279264E+02
  1* 2.291480E+02     1* 2.343401E+02     1* 2.395322E+02     1* 2.411029E+02
  1* 2.442706E+02     1* 2.471764E+02     1* 2.477000E+02     1* 2.483108E+02
  1* 2.531975E+02     1* 2.576478E+02     1* 2.580841E+02     1* 2.593058E+02
  1* 2.645415E+02     1* 2.754493E+02     1* 2.907201E+02     1* 3.430774E+02
  1* 5.176014E+02
  1* 6.014737E+01     1* 2.346714E+02     1* 2.870287E+02     1* 3.022995E+02
  1* 3.132073E+02     1* 3.184430E+02     1* 3.196646E+02     1* 3.201010E+02
  1* 3.205704E+02     1* 3.210399E+02     1* 3.211446E+02     1* 3.211656E+02
  1* 3.211865E+02     1* 3.212912E+02     1* 3.217607E+02     1* 3.224920E+02
  1* 3.237137E+02     1* 3.289057E+02     1* 3.340978E+02     1* 3.356685E+02
  1* 3.388362E+02     1* 3.417420E+02     1* 3.422656E+02     1* 3.428764E+02
  1* 3.477631E+02     1* 3.522134E+02     1* 3.526497E+02     1* 3.538714E+02
  1* 3.591071E+02     1* 3.700149E+02     1* 3.852857E+02     1* 4.376429E+02
  1* 6.121671E+02
  1* 9.066270E+01     1* 2.651668E+02     1* 3.175240E+02     1* 3.327949E+02
  1* 3.437026E+02     1* 3.489384E+02     1* 3.501600E+02     1* 3.505963E+02
  1* 3.510658E+02     1* 3.515353E+02     1* 3.516400E+02     1* 3.516609E+02
  1* 3.516819E+02     1* 3.517866E+02     1* 3.522561E+02     1* 3.529873E+02
  1* 3.542090E+02     1* 3.594011E+02     1* 3.645932E+02     1* 3.661639E+02
  1* 3.693315E+02     1* 3.722373E+02     1* 3.727609E+02     1* 3.733717E+02
  1* 3.782584E+02     1* 3.827088E+02     1* 3.831451E+02     1* 3.843668E+02
  1* 3.896025E+02     1* 4.005103E+02     1* 4.157811E+02     1* 4.681383E+02
  1* 6.426624E+02
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1* 9.656680E+01	1* 2.710909E+02	1* 3.234481E+02	1* 3.387190E+02
1* 3.496267E+02	1* 3.548625E+02	1* 3.560841E+02	1* 3.565204E+02
1* 3.569899E+02	1* 3.574594E+02	1* 3.575641E+02	1* 3.575851E+02
1* 3.576060E+02	1* 3.577107E+02	1* 3.581802E+02	1* 3.589114E+02
1* 3.601331E+02	1* 3.653252E+02	1* 3.705173E+02	1* 3.720880E+02
1* 3.752556E+02	1* 3.781614E+02	1* 3.786850E+02	1* 3.792958E+02
1* 3.841825E+02	1* 3.886329E+02	1* 3.890692E+02	1* 3.902909E+02
1* 3.955266E+02	1* 4.064343E+02	1* 4.217052E+02	1* 4.740624E+02
1* 6.485865E+02			
1* 9.768167E+01	1* 2.722057E+02	1* 3.245630E+02	1* 3.398338E+02
1* 3.507415E+02	1* 3.559773E+02	1* 3.571989E+02	1* 3.576353E+02
1* 3.581047E+02	1* 3.585742E+02	1* 3.586789E+02	1* 3.586959E+02
1* 3.587208E+02	1* 3.588255E+02	1* 3.592950E+02	1* 3.600263E+02
1* 3.612480E+02	1* 3.664400E+02	1* 3.716721E+02	1* 3.732029E+02
1* 3.763705E+02	1* 3.792763E+02	1* 3.797998E+02	1* 3.804107E+02
1* 3.852974E+02	1* 3.897477E+02	1* 3.901840E+02	1* 3.914057E+02
1* 3.966414E+02	1* 4.075492E+02	1* 4.228200E+02	1* 4.751772E+02
1* 6.497014E+02			
1* 9.901186E+01	1* 2.735559E+02	1* 3.259131E+02	1* 3.411840E+02
1* 3.520918E+02	1* 3.573275E+02	1* 3.585491E+02	1* 3.589854E+02
1* 3.594549E+02	1* 3.599244E+02	1* 3.600291E+02	1* 3.600501E+02
1* 3.600710E+02	1* 3.601757E+02	1* 3.606452E+02	1* 3.613765E+02
1* 3.625981E+02	1* 3.677902E+02	1* 3.729823E+02	1* 3.745530E+02
1* 3.777206E+02	1* 3.806265E+02	1* 3.811501E+02	1* 3.817609E+02
1* 3.866476E+02	1* 3.910979E+02	1* 3.915342E+02	1* 3.927559E+02
1* 3.979916E+02	1* 4.088994E+02	1* 4.241702E+02	1* 4.765274E+02
1* 6.510515E+02			
1* 1.003524E+02	1* 2.748765E+02	1* 3.272337E+02	1* 3.425046E+02
1* 3.534124E+02	1* 3.586481E+02	1* 3.598698E+02	1* 3.603061E+02
1* 3.607755E+02	1* 3.612450E+02	1* 3.613497E+02	1* 3.613707E+02
1* 3.617916E+02	1* 3.614963E+02	1* 3.619658E+02	1* 3.626971E+02
1* 3.639187E+02	1* 3.691108E+02	1* 3.743029E+02	1* 3.758736E+02
1* 3.790413E+02	1* 3.819471E+02	1* 3.824706E+02	1* 3.830815E+02
1* 3.879681E+02	1* 3.924185E+02	1* 3.928548E+02	1* 3.940765E+02
1* 3.993122E+02	1* 4.102200E+02	1* 4.254908E+02	1* 4.778481E+02
1* 6.523721E+02			
1* 1.016731E+02	1* 2.761971E+02	1* 3.285544E+02	1* 3.438252E+02
1* 3.547329E+02	1* 3.599687E+02	1* 3.611903E+02	1* 3.616266E+02
1* 3.620961E+02	1* 3.625656E+02	1* 3.626703E+02	1* 3.626913E+02
1* 3.627122E+02	1* 3.628169E+02	1* 3.632864E+02	1* 3.640177E+02
1* 3.652393E+02	1* 3.704314E+02	1* 3.756235E+02	1* 3.771942E+02
1* 3.803618E+02	1* 3.832677E+02	1* 3.837913E+02	1* 3.844021E+02
1* 3.892888E+02	1* 3.937391E+02	1* 3.941754E+02	1* 3.953971E+02
1* 4.006328E+02	1* 4.115406E+02	1* 4.268114E+02	1* 4.791686E+02
1* 6.536927E+02			
1* 1.036419E+02	1* 2.781660E+02	1* 3.305233E+02	1* 3.457941E+02
1* 3.567019E+02	1* 3.619376E+02	1* 3.631592E+02	1* 3.635956E+02
1* 3.640650E+02	1* 3.645345E+02	1* 3.646392E+02	1* 3.646602E+02
1* 3.646811E+02	1* 3.647858E+02	1* 3.652553E+02	1* 3.659866E+02
1* 3.672083E+02	1* 3.724003E+02	1* 3.775924E+02	1* 3.791631E+02
1* 3.823307E+02	1* 3.852366E+02	1* 3.857602E+02	1* 3.863710E+02
1* 3.912577E+02	1* 3.957080E+02	1* 3.961443E+02	1* 3.973660E+02
1* 4.026017E+02	1* 4.135095E+02	1* 4.287803E+02	1* 4.811375E+02
1* 6.556616E+02			
1* 1.050855E+02	1* 2.796096E+02	1* 3.319668E+02	1* 3.472377E+02
1* 3.581454E+02	1* 3.633812E+02	1* 3.646028E+02	1* 3.650392E+02
1* 3.655086E+02	1* 3.659781E+02	1* 3.660828E+02	1* 3.661038E+02
1* 3.661247E+02	1* 3.662294E+02	1* 3.666989E+02	1* 3.674301E+02
1* 3.686518E+02	1* 3.738439E+02	1* 3.790360E+02	1* 3.806067E+02
1* 3.837743E+02	1* 3.866802E+02	1* 3.872037E+02	1* 3.878146E+02
1* 3.927012E+02	1* 3.971516E+02	1* 3.975879E+02	1* 3.988096E+02
1* 4.040453E+02	1* 4.149531E+02	1* 4.302239E+02	1* 4.825811E+02
1* 6.571052E+02			
1* 1.075252E+02	1* 2.820492E+02	1* 3.344065E+02	1* 3.496773E+02
1* 3.605851E+02	1* 3.658208E+02	1* 3.670424E+02	1* 3.674788E+02
1* 3.679482E+02	1* 3.684177E+02	1* 3.685224E+02	1* 3.685434E+02
1* 3.685643E+02	1* 3.686690E+02	1* 3.691385E+02	1* 3.698698E+02
1* 3.710914E+02	1* 3.762835E+02	1* 3.814756E+02	1* 3.830464E+02
1* 3.862140E+02	1* 3.891198E+02	1* 3.896433E+02	1* 3.902542E+02
1* 3.951409E+02	1* 3.995912E+02	1* 4.000275E+02	1* 4.012492E+02
1* 4.064849E+02	1* 4.173927E+02	1* 4.326635E+02	1* 4.850208E+02
1* 6.595449E+02			
1* 1.120345E+02	1* 2.865786E+02	1* 3.389358E+02	1* 3.542066E+02
1* 3.651144E+02	1* 3.703501E+02	1* 3.715717E+02	1* 3.720081E+02
1* 3.724775E+02	1* 3.729470E+02	1* 3.730517E+02	1* 3.730727E+02
1* 3.730936E+02	1* 3.731983E+02	1* 3.736678E+02	1* 3.743991E+02
1* 3.756208E+02	1* 3.808128E+02	1* 3.860049E+02	1* 3.875757E+02
1* 3.907433E+02	1* 3.936491E+02	1* 3.941727E+02	1* 3.947835E+02
1* 3.996702E+02	1* 4.041205E+02	1* 4.045569E+02	1* 4.057785E+02
1* 4.110142E+02	1* 4.219220E+02	1* 4.371928E+02	1* 4.895500E+02
1* 6.640742E+02			
1* 1.143691E+02	1* 2.888932E+02	1* 3.412504E+02	1* 3.565213E+02
1* 3.674290E+02	1* 3.726647E+02	1* 3.738864E+02	1* 3.743227E+02
1* 3.747922E+02	1* 3.752617E+02	1* 3.753664E+02	1* 3.753873E+02
1* 3.754083E+02	1* 3.755130E+02	1* 3.759825E+02	1* 3.767137E+02
1* 3.779354E+02	1* 3.831275E+02	1* 3.883196E+02	1* 3.898903E+02
1* 3.930579E+02	1* 3.959637E+02	1* 3.964873E+02	1* 3.970981E+02
1* 4.019848E+02	1* 4.064352E+02	1* 4.068715E+02	1* 4.080932E+02
1* 4.133289E+02	1* 4.242366E+02	1* 4.395075E+02	1* 4.918647E+02
1* 6.663888E+02			
1* 1.264073E+02	1* 3.009314E+02	1* 3.532886E+02	1* 3.685594E+02
1* 3.794672E+02	1* 3.847029E+02	1* 3.859246E+02	1* 3.863609E+02
1* 3.868304E+02	1* 3.872998E+02	1* 3.874045E+02	1* 3.874255E+02
1* 3.874464E+02	1* 3.875511E+02	1* 3.880206E+02	1* 3.887519E+02
1* 3.899736E+02	1* 3.951656E+02	1* 4.003578E+02	1* 4.019285E+02

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   1* 4.050961E+02    1* 4.080019E+02    1* 4.085255E+02    1* 4.091363E+02
   1* 4.140230E+02    1* 4.184733E+02    1* 4.189096E+02    1* 4.201313E+02
   1* 4.253670E+02    1* 4.362748E+02    1* 4.515457E+02    1* 5.039029E+02
   1* 6.784269E+02
   1* 1.645615E+02    1* 3.390855E+02    1* 3.914427E+02    1* 4.067136E+02
   1* 4.176214E+02    1* 4.228571E+02    1* 4.240788E+02    1* 4.245151E+02
   1* 4.249846E+02    1* 4.254540E+02    1* 4.255587E+02    1* 4.255797E+02
   1* 4.256006E+02    1* 4.257054E+02    1* 4.261748E+02    1* 4.269061E+02
   1* 4.281277E+02    1* 4.333199E+02    1* 4.385119E+02    1* 4.400826E+02
   1* 4.432503E+02    1* 4.461561E+02    1* 4.466797E+02    1* 4.472905E+02
   1* 4.521772E+02    1* 4.566275E+02    1* 4.570638E+02    1* 4.582855E+02
   1* 4.635212E+02    1* 4.744290E+02    1* 4 896999E+02    1* 5.420571E+02
   1* 7.165811E+02
   1* 2.169735E+02    1* 3.914976E+02    1* 4.438548E+02    1* 4.591256E+02
   1* 4.700334E+02    1* 4.752691E+02    1* 4.764908E+02    1* 4.769271E+02
   1* 4.773966E+02    1* 4.778661E+02    1* 4.779708E+02    1* 4.779917E+02
   1* 4.780127E+02    1* 4.781174E+02    1* 4.785869E+02    1* 4.793181E+02
   1* 4.805398E+02    1* 4.857319E+02    1* 4 909240E+02    1* 4.924947E+02
   1* 4.956623E+02    1* 4.985681E+02    1* 4.990917E+02    1* 4.997025E+02
   1* 5.045892E+02    1* 5.090396E+02    1* 5.094759E+02    1* 5.106975E+02
   1* 5.159333E+02    1* 5.268410E+02    1* 5.421119E+02    1* 5.944691E+02
   1* 7.689932E+02
   1* 2.861129E+02    1* 4.606370E+02    1* 5.129943E+02    1* 5.282651E+02
   1* 5.391729E+02    1* 5.444086E+02    1* 5.456302E+02    1* 5.460666E+02
   1* 5.465360E+02    1* 5.470055E+02    1* 5.471102E+02    1* 5.471312E+02
   1* 5.471521E+02    1* 5.472568E+02    1* 5.477263E+02    1* 5.484576E+02
   1* 5.496793E+02    1* 5.548713E+02    1* 5.600634E+02    1* 5.616342E+02
   1* 5.648018E+02    1* 5.677076E+02    1* 5.682311E+02    1* 5.688420E+02
   1* 5.737287E+02    1* 5.781790E+02    1* 5.786154E+02    1* 5.798370E+02
   1* 5.850727E+02    1* 5.959805E+02    1* 6.112513E+02    1* 6.636086E+02
   1* 8.381326E+02
   1* 3.719799E+02    1* 5.465040E+02    1* 5.988612E+02    1* 6.141321E+02
   1* 6.250398E+02    1* 6.302755E+02    1* 6.314972E+02    1* 6.319335E+02
   1* 6.324030E+02    1* 6.328724E+02    1* 6.329772E+02    1* 6.329981E+02
   1* 6.330190E+02    1* 6.331238E+02    1* 6.335933E+02    1* 6.343245E+02
   1* 6.355461E+02    1* 6.407383E+02    1* 6.459304E+02    1* 6.475011E+02
   1* 6.506687E+02    1* 6.535745E+02    1* 6.540981E+02    1* 6.547089E+02
   1* 6.595956E+02    1* 6.640460E+02    1* 6.644822E+02    1* 6.657039E+02
   1* 6.709396E+02    1* 6.818474E+02    1* 6.971183E+02    1* 7.494755E+02
   1* 9.239996E+02
   1* 4.375799E+02    1* 6.121040E+02    1* 6.644612E+02    1* 6.797321E+02
   1* 6.906398E+02    1* 6.958755E+02    1* 6.970972E+02    1* 6.975335E+02
   1* 6.980030E+02    1* 6.984725E+02    1* 6.985772E+02    1* 6.985981E+02
   1* 6.986191E+02    1* 6.987238E+02    1* 6.991933E+02    1* 6.999246E+02
   1* 7.011462E+02    1* 7.063383E+02    1* 7.115304E+02    1* 7.131011E+02
   1* 7.162687E+02    1* 7.191746E+02    1* 7.196981E+02    1* 7.203090E+02
   1* 7.251956E+02    1* 7.296460E+02    1* 7.300823E+02    1* 7.313040E+02
   1* 7.365397E+02    1* 7.474474E+02    1* 7.627183E+02    1* 8.150755E+02
   1* 9.895996E+02
   1* 4.788837E+02    1* 6.534077E+02    1* 7.057650E+02    1* 7.210358E+02
   1* 7.319436E+02    1* 7.371793E+02    1* 7.384010E+02    1* 7.388373E+02
   1* 7.393068E+02    1* 7.397762E+02    1* 7.398810E+02    1* 7.399019E+02
   1* 7.399228E+02    1* 7.400275E+02    1* 7.404970E+02    1* 7.412283E+02
   1* 7.424500E+02    1* 7.476420E+02    1* 7.528342E+02    1* 7.544048E+02
   1* 7.575725E+02    1* 7.604783E+02    1* 7.610018E+02    1* 7.616127E+02
   1* 7.664994E+02    1* 7.709497E+02    1* 7.713860E+02    1* 7.726077E+02
   1* 7.778434E+02    1* 7.887512E+02    1* 8.040220E+02    1* 8.563793E+02
   1* 1.030903E+03
  33* 7.977001E+02
  33* 8.195501E+02
  33* 8.358001E+02
  33* 8.524501E+02
  33* 8.653501E+02
  33* 9.270001E+02
  33* 1.001650E+03
  33* 1.031130E+03
  33* 1.039010E+03
WELL DATA
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DIRICHLET CONDITIONS
T     37
   1  24   1   T   F   8.520000E+05   0.000000E+00
  33  24   1   T   F   8.520000E+05   0.000000E+00
   1  26   1   T   F   9.000000E+05   0.000000E+00
  33  26   1   T   F   9.000000E+05   0.000000E+00
   1  31   1   T   T   1.013250E+05   2.000000E-01
   2  31   1   T   T   1.013250E+05   2.000000E-01
   3  31   1   T   T   1.013250E+05   2.000000E-01
   4  31   1   T   T   1.013250E+05   2.000000E-01
   5  31   1   T   T   1.013250E+05   2.000000E-01
   6  31   1   T   T   1.013250E+05   2.000000E-01
   7  31   1   T   T   1.013250E+05   2.000000E-01
   8  31   1   T   T   1.013250E+05   2.000000E-01
   9  31   1   T   T   1.013250E+05   2.000000E-01
  10  31   1   T   T   1.013250E+05   2.000000E-01
  11  31   1   T   T   1.013250E+05   2.000000E-01
  12  31   1   T   T   1.013250E+05   2.000000E-01
  13  31   1   T   T   1.013250E+05   2.000000E-01
  14  31   1   T   T   1.013250E+05   2.000000E-01
  15  31   1   T   T   1.013250E+05   2.000000E-01
  16  31   1   T   T   1.013250E+05   2.000000E-01
  17  31   1   T   T   1.013250E+05   2.000000E-01
  18  31   1   T   T   1.013250E+05   2.000000E-01
  19  31   1   T   T   1.013250E+05   2.000000E-01
  20  31   1   T   T   1.013250E+05   2.000000E-01
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  21  31   1   T   T   1.013250E+05   2.000000E-01
  22  31   1   T   T   1.013250E+05   2.000000E-01
  23  31   1   T   T   1.013250E+05   8.000000E-01
  24  31   1   T   T   1.013250E+05   2.000000E-01
  25  31   1   T   T   1.013250E+05   2.000000E-01
  26  31   1   T   T   1.013250E+05   2.000000E-01
  27  31   1   T   T   1.013250E+05   2.000000E-01
  28  31   1   T   T   1.013250E+05   2.000000E-01
  29  31   1   T   T   1.013250E+05   2.000000E-01
  30  31   1   T   T   1.013250E+05   2.000000E-01
  31  31   1   T   T   1.013250E+05   2.000000E-01
  32  31   1   T   T   1.013250E+05   2.000000E-01
  33  31   1   T   T   1.013250E+05   2.000000E-01
GRID BLOCK BRINE PRESSURE INITIAL CONDITIONS
   2* 1.550225E+07    29* 1.270000E+07    2* 1.550225E+07
  33* 1.520060E+07
   1* 1.747447E+07     1* 1.537290E+07     1* 1.474243E+07     1* 1.455854E+07
   1* 1.442719E+07     1* 1.436415E+07     1* 1.434944E+07     1* 1.434418E+07
   1* 1.433853E+07     1* 1.433288E+07     1* 1.433161E+07     1* 1.433136E+07
   1* 1.433111E+07     1* 1.432985E+07     1* 1.432820E+07     1* 1.431539E+07
   1* 1.430068E+07     1* 1.423816E+07     1* 1.417564E+07     1* 1.415672E+07
   1* 1.411858E+07     1* 1.408359E+07     1* 1.407728E+07     1* 1.406993E+07
   1* 1.401108E+07     1* 1.395749E+07     1* 1.395224E+07     1* 1.393753E+07
   1* 1.387448E+07     1* 1.374313E+07     1* 1.355925E+07     1* 1.292878E+07
   1* 1.082721E+07
   1* 1.633574E+07     1* 1.423417E+07     1* 1.360370E+07     1* 1.341981E+07
   1* 1.328846E+07     1* 1.322542E+07     1* 1.321071E+07     1* 1.320545E+07
   1* 1.319980E+07     1* 1.319415E+07     1* 1.319289E+07     1* 1.319263E+07
   1* 1.319238E+07     1* 1.319112E+07     1* 1.318547E+07     1* 1.317666E+07
   1* 1.316195E+07     1* 1.309943E+07     1* 1.303691E+07     1* 1.301799E+07
   1* 1.297985E+07     1* 1.294486E+07     1* 1.293855E+07     1* 1.293120E+07
   1* 1.287235E+07     1* 1.281876E+07     1* 1.281351E+07     1* 1.279880E+07
   1* 1.273575E+07     1* 1.260440E+07     1* 1.242052E+07     1* 1.179005E+07
   1* 9.688480E+06
   1* 1.596852E+07     1* 1.386695E+07     1* 1.323648E+07     1* 1.305260E+07
   1* 1.292125E+07     1* 1.285820E+07     1* 1.284349E+07     1* 1.283824E+07
   1* 1.283258E+07     1* 1.282693E+07     1* 1.282567E+07     1* 1.282542E+07
   1* 1.282516E+07     1* 1.282390E+07     1* 1.281825E+07     1* 1.280945E+07
   1* 1.279473E+07     1* 1.273221E+07     1* 1.266969E+07     1* 1.265078E+07
   1* 1.261263E+07     1* 1.257764E+07     1* 1.257134E+07     1* 1.256398E+07
   1* 1.250514E+07     1* 1.245155E+07     1* 1.244629E+07     1* 1.243158E+07
   1* 1.236854E+07     1* 1.223719E+07     1* 1.205330E+07     1* 1.142283E+07
   1* 9.321264E+06
   1* 1.589718E+07     1* 1.379562E+07     1* 1.316515E+07     1* 1.298126E+07
   1* 1.284991E+07     1* 1.278687E+07     1* 1.277215E+07     1* 1.276690E+07
   1* 1.276125E+07     1* 1.275559E+07     1* 1.275433E+07     1* 1.275408E+07
   1* 1.275383E+07     1* 1.275257E+07     1* 1.274691E+07     1* 1.273811E+07
   1* 1.272340E+07     1* 1.266088E+07     1* 1.259835E+07     1* 1.257944E+07
   1* 1.254130E+07     1* 1.250631E+07     1* 1.013250E+05     1* 1.249265E+07
   1* 1.243380E+07     1* 1.238021E+07     1* 1.237496E+07     1* 1.236025E+07
   1* 1.229720E+07     1* 1.216585E+07     1* 1.198196E+07     1* 1.135150E+07
   1* 9.249928E+06
   1* 1.588376E+07     1* 1.378219E+07     1* 1.315172E+07     1* 1.296784E+07
   1* 1.283649E+07     1* 1.277344E+07     1* 1.275873E+07     1* 1.275348E+07
   1* 1.274782E+07     1* 1.274217E+07     1* 1.274091E+07     1* 1.274066E+07
   1* 1.274040E+07     1* 1.273914E+07     1* 1.273349E+07     1* 1.272468E+07
   1* 1.270997E+07     1* 1.264745E+07     1* 1.258493E+07     1* 1.256602E+07
   1* 1.252787E+07     1* 1.249288E+07     1* 1.013250E+05     1* 1.247922E+07
   1* 1.242038E+07     1* 1.236679E+07     1* 1.236153E+07     1* 1.234682E+07
   1* 1.228378E+07     1* 1.215243E+07     1* 1.196854E+07     1* 1.133807E+07
   1* 9.236503E+06
   1* 1.586750E+07     1* 1.376594E+07     1* 1.313546E+07     1* 1.295158E+07
   1* 1.282023E+07     1* 1.275718E+07     1* 1.274247E+07     1* 1.273722E+07
  17* 1.013250E+05     1* 1.235053E+07     1* 1.234528E+07     1* 1.233056E+07
   1* 1.226752E+07     1* 1.213617E+07     1* 1.195228E+07     1* 1.132181E+07
   1* 9.220245E+06
   1* 1.585160E+07     1* 1.375003E+07     1* 1.311956E+07     1* 1.293567E+07
   1* 1.280433E+07     1* 1.274128E+07     1* 1.272657E+07     1* 1.272132E+07
  17* 1.013250E+05     1* 1.233463E+07     1* 1.232937E+07     1* 1.231466E+07
   1* 1.225161E+07     1* 1.212027E+07     1* 1.193638E+07     1* 1.130591E+07
   1* 9.204342E+06
   1* 1.583570E+07     1* 1.373413E+07     1* 1.310366E+07     1* 1.291977E+07
   1* 1.278843E+07     1* 1.272538E+07     1* 1.271067E+07     1* 1.270541E+07
  17* 1.013250E+05     1* 1.231872E+07     1* 1.231347E+07     1* 1.229876E+07
   1* 1.223571E+07     1* 1.210437E+07     1* 1.192048E+07     1* 1.129001E+07
   1* 9.188441E+06
   1* 1.581199E+07     1* 1.371042E+07     1* 1.307995E+07     1* 1.289606E+07
   1* 1.276472E+07     1* 1.270167E+07     1* 1.268696E+07     1* 1.268170E+07
   1* 1.267605E+07     1* 1.267040E+07     1* 1.266914E+07     1* 1.266888E+07
   1* 1.266863E+07     1* 1.266737E+07     1* 1.266172E+07     1* 1.265291E+07
   1* 1.263820E+07     1* 1.257568E+07     1* 1.251316E+07     1* 1.249424E+07
   1* 1.245610E+07     1* 1.242111E+07     1* 1.013250E+05     1* 1.240745E+07
   1* 1.234860E+07     1* 1.229502E+07     1* 1.228976E+07     1* 1.227505E+07
   1* 1.221200E+07     1* 1.208066E+07     1* 1.189677E+07     1* 1.126630E+07
   1* 9.164732E+06
   1* 1.579460E+07     1* 1.369304E+07     1* 1.306257E+07     1* 1.287868E+07
   1* 1.274733E+07     1* 1.268429E+07     1* 1.266957E+07     1* 1.266432E+07
   1* 1.265867E+07     1* 1.265301E+07     1* 1.265175E+07     1* 1.265150E+07
   1* 1.265125E+07     1* 1.264999E+07     1* 1.264433E+07     1* 1.263553E+07
   1* 1.262082E+07     1* 1.255830E+07     1* 1.249577E+07     1* 1.247686E+07
   1* 1.243872E+07     1* 1.240373E+07     1* 1.013250E+05     1* 1.239007E+07
   1* 1.233122E+07     1* 1.227763E+07     1* 1.227238E+07     1* 1.225767E+07
   1* 1.219462E+07     1* 1.206327E+07     1* 1.187938E+07     1* 1.124892E+07
   1* 9.147348E+06
   1* 1.576523E+07     1* 1.366366E+07     1* 1.303319E+07     1* 1.284930E+07
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1* 1.271796E+07	1* 1.265491E+07	1* 1.264020E+07	1* 1.263494E+07
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1* 1.262187E+07	1* 1.262061E+07	1* 1.261496E+07	1* 1.260615E+07
1* 1.259144E+07	1* 1.252892E+07	1* 1.246640E+07	1* 1.244748E+07
1* 1.240934E+07	1* 1.237435E+07	1* 1.013250E+05	1* 1.236069E+07
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1* 1.216524E+07	1* 1.203390E+07	1* 1.185001E+07	1* 1.121954E+07
1* 9.117971E+06			
1* 1.571069E+07	1* 1.360912E+07	1* 1.297865E+07	1* 1.279476E+07
1* 1.266342E+07	1* 1.260037E+07	1* 1.258566E+07	1* 1.258040E+07
1* 1.257475E+07	1* 1.256910E+07	1* 1.256783E+07	1* 1.256758E+07
1* 1.256733E+07	1* 1.256607E+07	1* 1.256042E+07	1* 1.255161E+07
1* 1.253690E+07	1* 1.247438E+07	1* 1.241186E+07	1* 1.239294E+07
1* 1.235480E+07	1* 1.231981E+07	1* 1.013250E+05	1* 1.230615E+07
1* 1.224730E+07	1* 1.219371E+07	1* 1.218846E+07	1* 1.217375E+07
1* 1.211070E+07	1* 1.197936E+07	1* 1.179547E+07	1* 1.116500E+07
1* 9.063431E+06			
1* 1.568281E+07	1* 1.358125E+07	1* 1.295078E+07	1* 1.276689E+07
1* 1.263554E+07	1* 1.257250E+07	1* 1.255778E+07	1* 1.255253E+07
1* 1.254688E+07	1* 1.254122E+07	1* 1.253996E+07	1* 1.253971E+07
1* 1.253946E+07	1* 1.253820E+07	1* 1.253254E+07	1* 1.252374E+07
1* 1.250903E+07	1* 1.244651E+07	1* 1.238398E+07	1* 1.236507E+07
1* 1.232693E+07	1* 1.229194E+07	1* 1.013250E+05	1* 1.227828E+07
1* 1.221943E+07	1* 1.216584E+07	1* 1.216059E+07	1* 1.214588E+07
1* 1.208283E+07	1* 1.195148E+07	1* 1.176759E+07	1* 1.113713E+07
1* 9.035558E+06			
1* 1.553785E+07	1* 1.343629E+07	1* 1.280582E+07	1* 1.262193E+07
1* 1.249058E+07	1* 1.242754E+07	1* 1.241282E+07	1* 1.240757E+07
1* 1.240192E+07	1* 1.239626E+07	1* 1.239500E+07	1* 1.239475E+07
1* 1.239450E+07	1* 1.239324E+07	1* 1.238758E+07	1* 1.237878E+07
1* 1.236407E+07	1* 1.230155E+07	1* 1.223902E+07	1* 1.222011E+07
1* 1.218197E+07	1* 1.214698E+07	1* 1.013250E+05	1* 1.213332E+07
1* 1.207447E+07	1* 1.202088E+07	1* 1.201563E+07	1* 1.200092E+07
1* 1.193787E+07	1* 1.180652E+07	1* 1.162264E+07	1* 1.099217E+07
1* 8.890598E+06			
1* 1.507841E+07	1* 1.297685E+07	1* 1.234638E+07	1* 1.216249E+07
1* 1.203114E+07	1* 1.196809E+07	1* 1.195338E+07	1* 1.194813E+07
1* 1.194268E+07	1* 1.193682E+07	1* 1.193556E+07	1* 1.193531E+07
1* 1.193506E+07	1* 1.193380E+07	1* 1.192814E+07	1* 1.191934E+07
1* 1.190463E+07	1* 1.184210E+07	1* 1.177958E+07	1* 1.176067E+07
1* 1.172253E+07	1* 1.168753E+07	1* 1.013250E+05	1* 1.167388E+07
1* 1.161503E+07	1* 1.156144E+07	1* 1.155619E+07	1* 1.154148E+07
1* 1.147843E+07	1* 1.134708E+07	1* 1.116319E+07	1* 1.053272E+07
1* 8.431157E+06			
1* 1.444728E+07	1* 1.234572E+07	1* 1.171525E+07	1* 1.153136E+07
1* 1.140001E+07	1* 1.133696E+07	1* 1.132225E+07	1* 1.131700E+07
1* 1.131135E+07	1* 1.130569E+07	1* 1.130443E+07	1* 1.130418E+07
1* 1.130393E+07	1* 1.130267E+07	1* 1.129701E+07	1* 1.128821E+07
1* 1.127350E+07	1* 1.121098E+07	1* 1.114845E+07	1* 1.112954E+07
1* 1.109140E+07	1* 1.105641E+07	1* 1.013250E+05	1* 1.104274E+07
1* 1.098390E+07	1* 1.093031E+07	1* 1.092506E+07	1* 1.091035E+07
1* 1.084730E+07	1* 1.071595E+07	1* 1.053206E+07	1* 9.901595E+06
1* 7.800027E+06			
1* 1.361473E+07	1* 1.151316E+07	1* 1.088269E+07	1* 1.069880E+07
1* 1.056745E+07	1* 1.050441E+07	1* 1.048970E+07	1* 1.048444E+07
1* 1.047879E+07	1* 1.047314E+07	1* 1.047188E+07	1* 1.047162E+07
1* 1.047137E+07	1* 1.047011E+07	1* 1.046446E+07	1* 1.045565E+07
1* 1.044094E+07	1* 1.037842E+07	1* 1.031590E+07	1* 1.029698E+07
1* 1.025884E+07	1* 1.022385E+07	1* 1.013250E+05	1* 1.021019E+07
1* 1.015134E+07	1* 1.009775E+07	1* 1.009250E+07	1* 1.007779E+07
1* 1.001474E+07	1* 9.883394E+06	1* 9.699507E+06	1* 9.069037E+06
1* 6.967471E+06			
1* 1.258074E+07	1* 1.047918E+07	1* 9.848706E+06	1* 9.664818E+06
1* 9.533470E+06	1* 9.470423E+06	1* 9.455712E+06	1* 9.450458E+06
1* 9.444806E+06	1* 9.439152E+06	1* 9.437891E+06	1* 9.437639E+06
1* 9.437386E+06	1* 9.436126E+06	1* 9.430472E+06	1* 9.421667E+06
1* 9.406956E+06	1* 9.344434E+06	1* 9.281913E+06	1* 9.262998E+06
1* 9.224856E+06	1* 9.189865E+06	1* 1.013250E+05	1* 9.176204E+06
1* 9.117360E+06	1* 9.063770E+06	1* 9.058516E+06	1* 9.043805E+06
1* 8.980758E+06	1* 8.849410E+06	1* 8.665523E+06	1* 8.035053E+06
1* 5.933486E+06			
1* 1.179081E+07	1* 9.689240E+06	1* 9.058770E+06	1* 8.874882E+06
1* 8.743534E+06	1* 8.680487E+06	1* 8.665777E+06	1* 8.660523E+06
1* 8.654869E+06	1* 8.649216E+06	1* 8.647955E+06	1* 8.647703E+06
1* 8.647450E+06	1* 8.646190E+06	1* 8.640537E+06	1* 8.631731E+06
1* 8.617020E+06	1* 8.554498E+06	1* 8.491977E+06	1* 8.473063E+06
1* 8.434919E+06	1* 8.399928E+06	1* 1.013250E+05	1* 8.386268E+06
1* 8.327424E+06	1* 8.273834E+06	1* 8.268580E+06	1* 8.253869E+06
1* 8.190822E+06	1* 8.059474E+06	1* 7.875587E+06	1* 7.245117E+06
1* 5.143550E+06			
1* 1.129344E+07	1* 9.191873E+06	1* 8.561402E+06	1* 8.377515E+06
1* 8.246167E+06	1* 8.183120E+06	1* 8.168410E+06	1* 8.163155E+06
1* 8.157502E+06	1* 8.151849E+06	1* 8.150588E+06	1* 8.150335E+06
1* 8.150083E+06	1* 8.148823E+06	1* 8.143169E+06	1* 8.134364E+06
1* 8.119653E+06	1* 8.057131E+06	1* 7.994610E+06	1* 7.975695E+06
1* 7.937552E+06	1* 7.902561E+06	1* 1.013250E+05	1* 7.888901E+06
1* 7.830057E+06	1* 7.776467E+06	1* 7.771213E+06	1* 7.756502E+06
1* 7.693455E+06	1* 7.562107E+06	1* 7.378220E+06	1* 6.747750E+06
1* 4.646184E+06			
22* 2.296527E+06	1* 1.013250E+05	10* 2.296527E+06	
22* 8.520000E+05	1* 1.013250E+05	10* 8.520000E+05	
22* 1.837738E+06	1* 1.013250E+05	10* 1.837738E+06	
22* 9.000000E+05	1* 1.013250E+05	10* 9.000000E+05	
22* 1.481906E+06	1* 1.013250E+05	10* 1.481906E+06	
22* 7.395352E+05	1* 1.013250E+05	10* 7.395352E+05	

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  33* 1.013250E+05
  33* 1.013250E+05
  33* 1.013250E+05
 GRID BLOCK BRINE SATURATION INITIAL CONDITIONS
  33* 1.000000E+00
  33* 1.000000E+00
  33* 1.000000E+00
  33* 1.000000E+00
  33* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
   8* 1.000000E+00    7* 6.000000E-04    1* 0.000000E+00    3* 6.000000E-04
   3* 0.000000E+00    1* 8.000000E-01    2* 0.000000E+00    8* 1.000000E+00
   8* 1.000000E+00    7* 6.000000E-04    1* 0.000000E+00    3* 6.000000E-04
   3* 0.000000E+00    1* 8.000000E-01    2* 0.000000E+00    8* 1.000000E+00
   8* 1.000000E+00    7* 6.000000E-04    1* 0.000000E+00    3* 6.000000E-04
   3* 0.000000E+00    1* 8.000000E-01    2* 0.000000E+00    8* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 0.000000E+00   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 1.000000E+00    1* 8.000000E-01   10* 1.000000E+00
  22* 2.000000E-01    1* 8.000000E-01   10* 2.000000E-01
  22* 2.000000E-01    1* 8.000000E-01   10* 2.000000E-01
  22* 2.000000E-01    1* 8.000000E-01   10* 2.000000E-01
 GRID BLOCK FE CONCENTRATION INITIAL CONDITIONS
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
   8* 0.000000E+00    7* 1.575201E+02    1* 0.000000E+00    3* 1.575201E+02
  14* 0.000000E+00
   8* 0.000000E+00    7* 1.575201E+02    1* 0.000000E+00    3* 1.575201E+02
  14* 0.000000E+00
   8* 0.000000E+00    7* 1.575201E+02    1* 0.000000E+00    3* 1.575201E+02
  14* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
 GRID BLOCK CH2O CONCENTRATION INITIAL CONDITIONS
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
   8* 0.000000E+00    7* 9.244771E+01    1* 0.000000E+00    3* 9.244771E+01
  14* 0.000000E+00
   8* 0.000000E+00    7* 9.244771E+01    1* 0.000000E+00    3* 9.244771E+01
  14* 0.000000E+00
   8* 0.000000E+00    7* 9.244771E+01    1* 0.000000E+00    3* 9.244771E+01
  14* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
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  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
  33* 0.000000E+00
DSATLIM, DPRESLIM, SATLIMIT
  2.0000E-01  -1.0000E+08   1.0000E-03
SATNORM, PRESNORM: NOMINAL CHANGE DEPENDENT VARIABLE
  3.0000E-01   5.0000E+05
MAXIMUM ALLOWABLE VARIABLE CHANGES: DSAT_MAX  DPRES_MAX
  1.0000E+00   1.0000E+07
CONVERGENCE TEST FLAG: 0=OR/1=AND
   1
EPS_SAT, EPS_PRES:  NORMAL CONVERGENCE CRITERIA
  3.0000E+00   1.0000E-02
EPS_SAT, EPS_PRES:  RELAXED CONVERGENCE CRITERIA
  3.0000E+00   1.0000E-02
FTOL_SAT   FTOL_PRES:  NORMAL RESIDUAL' TOLERANCE
  1.0000E-02   1.0000E-02
FTOL_SAT   FTOL_PRES:  RELAXED RESIDUAL' TOLERANCE
  1.0000E-02   1.0000E-02
CAS TRANSPORT TOLERANCES
  1.0000E-05   1.0000E-05   1.0000E-05   1.0000E-05
LINEAR EQUATION SOLVER TYPE
LU
ITMAX, IRESETMAX, IJACINT, LSCALE, P_SCALE, LVARSWITCH
   8   40    1   T     1.0000E+07 F
IUPRPFLAG, IUPHFLAG, DT_REDU, ITRAVG, IMPRAVE
   9    9   5.0000E-01    1    0
IJACSWITCH, IJACMIN, IJACRESET, IUPRPLOOSE, IUPHPLOOSE
  41    1    5    9    9
DHSAT_REL, DHPRES_REL: REL. CHANGE FOR JACOBIAN ELEMENT CALCS
  1.0000E-08   1.0000E-08
DHSAT_MIN, DHPRES_MIN: MIN. CHANGE ALLOWED FOR JACOBIAN CALCS
  1.0000E-10   1.0000E-02
NUMBER OF TIMES FOR SPECIFYING MATERIAL MAP
8
START TIME FOR MAP 1
-1.5779E+08
MATERIAL TYPE GRID MAP
 2* 10  29* 11   2* 10
33* 10
33*  1
33*  1
33*  1
 8* 3  14* 2   1* 9   2* 2   8* 3
 8* 1  14* 2   1* 9   2* 2   8* 1
 8* 1   7* 6   1* 9   3* 7   1* 9   2* 8   1* 9   2* 8   8* 1
 8* 1   7* 6   1* 9   3* 7   1* 9   2* 8   1* 9   2* 8   8* 1
 8* 1   7* 6   1* 9   3* 7   1* 9   2* 8   1* 9   2* 8   8* 1
 8* 1  14* 2   1* 9   2* 2   8* 1
 8* 4  14* 2   1* 9   2* 2   8* 4
 8* 1  14* 2   1* 9   2* 2   8* 1
 8* 1  14* 2   1* 9   2* 2   8* 1
22* 5   1* 9  10* 5
22* 1   1* 9  10* 1
22* 1   1* 9  10* 1
22* 1   1* 9  10* 1
22* 1   1* 9  10* 1
22* 1   1* 9  10* 1
22* 1   1* 9  10* 1
22* 1   1* 9  10* 1
22* 10  1* 9  10* 10
22* 10  1* 9  10* 10
22* 10  1* 9  10* 10
22* 10  1* 9  10* 10
22* 10  1* 9  10* 10
22* 10  1* 9  10* 10
22* 10  1* 9  10* 10
22* 10  1* 9  10* 10
START TIME FOR MAP 2
0.0000E+00
MATERIAL TYPE GRID MAP
 2* 10  29* 11   2* 10
33* 10
33*  1
33*  1
33*  1
 8* 3  14* 2   1* 27   2* 2   8* 3
 8* 1  14* 2   1* 27   2* 2   8* 1
 8* 1   7* 12  1* 42   3* 13  1* 42   2* 21  1* 27   2* 22  8* 1
 8* 1   7* 12  1* 42   3* 13  1* 42   2* 21  1* 27   2* 22  8* 1
 8* 1   7* 12  1* 42   3* 13  1* 42   2* 21  1* 27   2* 22  8* 1
 8* 1  14* 2   1* 27   2* 2   8* 1
 8* 4  14* 2   1* 27   2* 2   8* 4
 8* 1  14* 2   1* 27   2* 2   8* 1
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  8*  1  14*  2   1* 41   2*  2   8*  1
 22*  5   1* 41  10*  5
 22*  1   1* 33  10*  1
 22*  1   1* 28  10*  1
 22*  1   1* 28  10*  1
 22*  1   1* 36  10*  1
 22*  1   1* 36  10*  1
 22*  1   1* 26  10*  1
 22*  1   1* 25  10*  1
 22* 14   1* 24  10* 14
 22* 15   1* 24  10* 15
 22* 16   1* 24  10* 16
 22* 17   1* 24  10* 17
 22* 18   1* 24  10* 18
 22* 19   1* 23  10* 19
 22* 19   1* 23  10* 19
 22* 20   1* 23  10* 20
 22* 20   1* 23  10* 20
START TIME FOR MAP 3
3.1557E+08
MATERIAL TYPE GRID MAP
 2* 10  29* 11   2* 10
33* 10
33*  1
33*  1
33*  1
  8*  3  14*  2   1* 27   2*  2   8*  3
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  4  14*  2   1* 27   2*  2   8*  4
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  1  14*  2   1* 41   2*  2   8*  1
 22*  5   1* 41  10*  5
 22*  1   1* 34  10*  1
 22*  1   1* 29  10*  1
 22*  1   1* 29  10*  1
 22*  1   1* 36  10*  1
 22*  1   1* 36  10*  1
 22*  1   1* 26  10*  1
 22*  1   1* 25  10*  1
 22* 14   1* 24  10* 14
 22* 15   1* 24  10* 15
 22* 16   1* 24  10* 16
 22* 17   1* 24  10* 17
 22* 18   1* 24  10* 18
 22* 19   1* 23  10* 19
 22* 19   1* 23  10* 19
 22* 20   1* 23  10* 20
 22* 20   1* 23  10* 20
START TIME FOR MAP 4
7.8892E+08
MATERIAL TYPE GRID MAP
 2* 10  29* 11   2* 10
33* 10
33*  1
33*  1
33*  1
  8*  3  14*  2   1* 27   2*  2   8*  3
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  4  14*  2   1* 27   2*  2   8*  4
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  1  14*  2   1* 41   2*  2   8*  1
 22*  5   1* 41  10*  5
 22*  1   1* 35  10*  1
 22*  1   1* 30  10*  1
 22*  1   1* 30  10*  1
 22*  1   1* 36  10*  1
 22*  1   1* 36  10*  1
 22*  1   1* 26  10*  1
 22*  1   1* 25  10*  1
 22* 14   1* 24  10* 14
 22* 15   1* 24  10* 15
 22* 16   1* 24  10* 16
 22* 17   1* 24  10* 17
 22* 18   1* 24  10* 18
 22* 19   1* 23  10* 19
 22* 19   1* 23  10* 19
 22* 20   1* 23  10* 20
 22* 20   1* 23  10* 20
START TIME FOR MAP 5
1.5578E+09
MATERIAL TYPE GRID MAP
 2* 10  29* 11   2* 10
33* 10
33*  1
33*  1
33*  1
  8*  3  14*  2   1* 27   2*  2   8*  3
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  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  4  14*  2   1* 27   2*  2   8*  4
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  1  14*  2   1* 41   2*  2   8*  1
 22*  5   1* 41  10*  5
 22*  1   1* 35  10*  1
 22*  1   1* 31  10*  1
 22*  1   1* 31  10*  1
 22*  1   1* 37  10*  1
 22*  1   1* 37  10*  1
 22*  1   1* 26  10*  1
 22*  1   1* 25  10*  1
 22* 14   1* 24  10* 14
 22* 15   1* 24  10* 15
 22* 16   1* 24  10* 16
 22* 17   1* 24  10* 17
 22* 18   1* 24  10* 18
 22* 19   1* 23  10* 19
 22* 19   1* 23  10* 19
 22* 20   1* 23  10* 20
 22* 20   1* 23  10* 20
START TIME FOR MAP 6
3.1557E+09
MATERIAL TYPE GRID MAP
 2* 10  29* 11   2* 10
33* 10
33*  1
33*  1
33*  1
 8*  3  14*  2   1* 27   2*  2   8*  3
 8*  1  14*  2   1* 27   2*  2   8*  1
 8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
 8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
 8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
 8*  1  14*  2   1* 27   2*  2   8*  1
 8*  4  14*  2   1* 27   2*  2   8*  4
 8*  1  14*  2   1* 27   2*  2   8*  1
 8*  1  14*  2   1* 41   2*  2   8*  1
22*  5   1* 41  10*  5
22*  1   1* 35  10*  1
22*  1   1* 32  10*  1
22*  1   1* 32  10*  1
22*  1   1* 38  10*  1
22*  1   1* 38  10*  1
22*  1   1* 27  10*  1
22*  1   1* 25  10*  1
22* 14   1* 24  10* 14
22* 15   1* 24  10* 15
22* 16   1* 24  10* 16
22* 17   1* 24  10* 17
22* 18   1* 24  10* 18
22* 19   1* 23  10* 19
22* 19   1* 23  10* 19
22* 20   1* 23  10* 20
22* 20   1* 23  10* 20
START TIME FOR MAP 7
6.3114E+09
MATERIAL TYPE GRID MAP
 2* 10  29* 11   2* 10
33* 10
33*  1
33*  1
33*  1
 8*  3  14*  2   1* 27   2*  2   8*  3
 8*  1  14*  2   1* 27   2*  2   8*  1
 8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
 8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
 8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
 8*  1  14*  2   1* 27   2*  2   8*  1
 8*  4  14*  2   1* 27   2*  2   8*  4
 8*  1  14*  2   1* 27   2*  2   8*  1
 8*  1  14*  2   1* 41   2*  2   8*  1
22*  5   1* 41  10*  5
22*  1   1* 35  10*  1
22*  1   1* 32  10*  1
22*  1   1* 32  10*  1
22*  1   1* 39  10*  1
22*  1   1* 39  10*  1
22*  1   1* 27  10*  1
22*  1   1* 25  10*  1
22* 14   1* 24  10* 14
22* 15   1* 24  10* 15
22* 16   1* 24  10* 16
22* 17   1* 24  10* 17
22* 18   1* 24  10* 18
22* 19   1* 23  10* 19
22* 19   1* 23  10* 19
22* 20   1* 23  10* 20
22* 20   1* 23  10* 20
START TIME FOR MAP 8
1.2623E+10
```

```
MATERIAL TYPE GRID MAP
  2* 10  29* 11    2* 10
 33* 10
 33*  1
 33*  1
 33*  1
  8*  3  14*  2   1* 27   2*  2   8*  3
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1   7* 12   1* 42   3* 13   1* 42   2* 21   1* 27   2* 22   8*  1
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  4  14*  2   1* 27   2*  2   8*  4
  8*  1  14*  2   1* 27   2*  2   8*  1
  8*  1  14*  2   1* 41   2*  2   8*  1
 22*  5   1* 41  10*  5
 22*  1   1* 35  10*  1
 22*  1   1* 32  10*  1
 22*  1   1* 32  10*  1
 22*  1   1* 40  10*  1
 22*  1   1* 40  10*  1
 22*  1   1* 27  10*  1
 22*  1   1* 25  10*  1
 22* 14   1* 24  10* 14
 22* 15   1* 24  10* 15
 22* 16   1* 24  10* 16
 22* 17   1* 24  10* 17
 22* 18   1* 24  10* 18
 22* 19   1* 23  10* 19
 22* 19   1* 23  10* 19
 22* 20   1* 23  10* 20
 22* 20   1* 23  10* 20
  #      NAME
  1      S_HALITE
  2      DRZ_0
  3      S_MB139
  4      S_ANH_AB
  5      S_MB138
  6      CAVITY_1
  7      CAVITY_2
  8      CAVITY_3
  9      CAVITY_4
 10      IMPERM_Z
 11      CASTILER
 12      WAS_AREA
 13      REPOSIT
 14      UNNAMED
 15      CULEBRA
 16      TAMARISK
 17      MAGENTA
 18      FORTYNIN
 19      DEWYLAKE
 20      SANTAROS
 21      BACKFILL
 22      EXP_AREA
 23      EARTH
 24      CLAY
 25      ASPHALT
 26      CONC_T1
 27      CONC_T2
 28      CL_M_T1
 29      CL_M_T2
 30      CL_M_T3
 31      CL_M_T4
 32      CL_M_T5
 33      CL_L_T1
 34      CL_L_T2
 35      CL_L_T3
 36      SALT_T1
 37      SALT_T2
 38      SALT_T3
 39      SALT_T4
 40      SALT_T5
 41      CLAY_BOT
 42      PAN_S_1
NWST
2
MAT_WASTE1    MAT_WASTE
 6  7
12 13
NDRZ
0
NMATRESET
4
MATRESET
6  7  8  9
BORE HOLE MATERIAL NUMBER
0
RESET TIME,  ICWASTE
0.0000E+00    1
POWASTEIC
1.013250E+05
1.013250E+05
SOWASTEIC
0.000000E+00
```

0.000000E+00
PRESDRZ

#	LAMBDA	SOR	SGR
1	7.000000E-01	3.000000E-01	2.000000E-01
2	7.000000E-01	0.000000E+00	0.000000E+00
3	7.000000E-01	2.000000E-01	1.650000E-01
4	7.000000E-01	2.000000E-01	1.650000E-01
5	7.000000E-01	2.000000E-01	1.650000E-01
6	7.000000E-01	0.000000E+00	0.000000E+00
7	7.000000E-01	0.000000E+00	0.000000E+00
8	7.000000E-01	0.000000E+00	0.000000E+00
9	7.000000E-01	0.000000E+00	0.000000E+00
10	1.000000E+00	0.000000E+00	0.000000E+00
11	7.000000E-01	2.000000E-01	2.000000E-01
12	7.000000E-01	2.000000E-01	2.000000E-01
13	7.000000E-01	2.000000E-01	2.000000E-01
14	7.000000E-01	2.000000E-01	2.000000E-01
15	7.000000E-01	2.000000E-01	2.000000E-01
16	7.000000E-01	2.000000E-01	2.000000E-01
17	7.000000E-01	2.000000E-01	2.000000E-01
18	7.000000E-01	2.000000E-01	2.000000E-01
19	7.000000E-01	2.000000E-01	2.000000E-01
20	7.000000E-01	2.000000E-01	2.000000E-01
21	7.000000E-01	0.000000E+00	0.000000E+00
22	7.000000E-01	0.000000E+00	0.000000E+00
23	1.700000E+00	2.210000E-01	2.000000E-01
24	1.900000E-01	2.240000E-02	2.240000E-02
25	7.000000E-01	0.000000E+00	0.000000E+00
26	7.000000E-01	2.000000E-01	2.000000E-01
27	7.000000E-01	2.000000E-01	2.000000E-01
28	1.900000E-01	2.240000E-02	2.240000E-02
29	1.900000E-01	2.240000E-02	2.240000E-02
30	1.900000E-01	2.240000E-02	2.240000E-02
31	1.900000E-01	2.240000E-02	2.240000E-02
32	1.900000E-01	2.240000E-02	2.240000E-02
33	1.900000E-01	2.240000E-02	2.240000E-02
34	1.900000E-01	2.240000E-02	2.240000E-02
35	1.900000E-01	2.240000E-02	2.240000E-02
36	7.000000E-01	2.000000E-01	2.000000E-01
37	7.000000E-01	2.000000E-01	2.000000E-01
38	7.000000E-01	2.000000E-01	2.000000E-01
39	7.000000E-01	2.000000E-01	2.000000E-01
40	7.000000E-01	2.000000E-01	2.000000E-01
41	1.900000E-01	2.240000E-02	2.240000E-02
42	7.000000E-01	2.000000E-01	2.000000E-01

#	SBMIN	PBMIN	PCMAX	PCT_A	PCT_EXP	KRP	KPC	KTP
1	3.150000E-01	1.013250E+05	1.000000E+08	9.000000E+06	0.000000E+00	4	2	0
2	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
3	2.100000E-01	1.013250E+05	1.000000E+08	2.630268E-02	-3.460000E-01	4	2	0
4	2.100000E-01	1.013250E+05	1.000000E+08	2.630268E-02	-3.460000E-01	4	2	0
5	2.100000E-01	1.013250E+05	1.000000E+08	2.630268E-02	-3.460000E-01	4	2	0
6	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
7	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
8	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
9	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
10	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
11	2.100000E-01	1.013250E+05	1.000000E+08	5.600000E-01	-3.460000E-01	4	2	0
12	2.100000E-01	1.013250E+05	1.000000E+08	5.600000E-01	-3.460000E-01	4	4	0
13	2.100000E-01	1.013250E+05	1.000000E+08	5.600000E-01	-3.460000E-01	4	4	0
14	2.100000E-01	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
15	2.100000E-01	1.013250E+05	1.000000E+08	5.600000E-01	-3.460000E-01	4	2	0
16	2.100000E-01	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
17	2.100000E-01	1.013250E+05	1.000000E+08	5.600000E-01	-3.460000E-01	4	2	0
18	2.100000E-01	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
19	2.100000E-01	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
20	2.100000E-01	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
21	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
22	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
23	2.320500E-01	1.013250E+05	1.000000E+08	1.422000E+04	0.000000E+00	4	2	0
24	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
25	0.000000E+00	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0
26	2.100000E-01	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
27	2.100000E-01	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
28	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
29	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
30	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
31	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
32	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
33	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
34	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
35	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
36	2.100000E-01	1.013250E+05	1.000000E+08	3.900000E+04	0.000000E+00	4	2	0
37	2.100000E-01	1.013250E+05	1.000000E+08	2.180000E+05	0.000000E+00	4	2	0
38	2.100000E-01	1.013250E+05	1.000000E+08	9.470000E+05	0.000000E+00	4	2	0
39	2.100000E-01	1.013250E+05	1.000000E+08	4.700000E+06	0.000000E+00	4	2	0
40	2.100000E-01	1.013250E+05	1.000000E+08	4.700000E+06	0.000000E+00	4	2	0
41	2.352000E-02	1.013250E+05	1.000000E+08	1.500000E+06	0.000000E+00	4	2	0
42	2.100000E-01	1.013250E+05	1.000000E+08	0.000000E+00	0.000000E+00	4	1	0

#	PERMX	PERMY	PERMZ	POROSITY	COMPRES
1	1.000000E-21	1.000000E-21	1.000000E-21	1.000000E-02	8.054475E-09
2	1.000000E-15	1.000000E-15	1.000000E-15	1.000000E-02	8.279475E-08
3	2.511884E-19	2.511884E-19	2.511884E-19	1.900000E-02	4.120777E-09
4	2.511884E-19	2.511884E-19	2.511884E-19	1.900000E-02	4.120777E-09
5	2.511884E-19	2.511884E-19	2.511884E-19	1.900000E-02	4.120777E-09

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  6 1.000000E-10 1.000000E-10 1.000000E-10  1.000000E+00  0.000000E+00
  7 1.000000E-10 1.000000E-10 1.000000E-10  1.000000E+00  0.000000E+00
  8 1.000000E-10 1.000000E-10 1.000000E-10  1.000000E+00  0.000000E+00
  9 1.000000E-10 1.000000E-10 1.000000E-10  1.000000E+00  0.000000E+00
 10 1.000000E-35 1.000000E-35 1.000000E-35  5.000000E-03  0.000000E+00
 11 1.330453E-11 1.330453E-11 1.330453E-11  5.200000E-03  1.923077E-07
 12 5.584699E-12 5.584699E-12 5.584699E-12  8.810350E-01  1.203130E-09
 13 5.584699E-12 5.584699E-12 5.584699E-12  8.810350E-01  1.203130E-09
 14 1.000000E-35 1.000000E-35 1.000000E-35  2.000000E-01  0.000000E+00
 15 2.648502E-13 2.648502E-13 2.648502E-13  1.460000E-01  1.417160E-09
 16 1.000000E-35 1.000000E-35 1.000000E-35  2.000000E-01  0.000000E+00
 17 1.096478E-16 1.096478E-16 1.096478E-16  9.000000E-02  2.199962E-09
 18 1.000000E-35 1.000000E-35 1.000000E-35  2.000000E-01  0.000000E+00
 19 9.332549E-16 9.332549E-16 9.332549E-16  1.500000E-01  6.666667E-08
 20 1.000000E-10 1.000000E-10 1.000000E-10  1.750000E-01  5.714286E-08
 21 1.000000E-11 1.000000E-11 1.000000E-11  1.000000E+00  0.000000E+00
 22 1.000000E-11 1.000000E-11 1.000000E-11  1.000000E+00  0.000000E+00
 23 1.000000E-14 1.000000E-14 1.000000E-14  2.500000E-01  0.000000E+00
 24 9.999999E-19 9.999999E-19 9.999999E-19  2.500000E-01  0.000000E+00
 25 3.311315E-17 3.311315E-17 3.311315E-17  1.000000E-02  0.000000E+00
 26 5.000338E-19 5.000338E-19 5.000338E-19  7.500000E-02  0.000000E+00
 27 1.000000E-14 1.000000E-14 1.000000E-14  7.500000E-02  0.000000E+00
 28 3.837069E-17 3.837069E-17 3.837069E-17  7.500000E-02  0.000000E+00
 29 2.529297E-17 2.529297E-17 2.529297E-17  7.500000E-02  0.000000E+00
 30 1.581246E-17 1.581246E-17 1.581246E-17  7.500000E-02  0.000000E+00
 31 6.531313E-18 6.531313E-18 6.531313E-18  7.500000E-02  0.000000E+00
 32 9.999999E-19 9.999999E-19 9.999999E-19  7.500000E-02  0.000000E+00
 33 4.677352E-17 4.677352E-17 4.677352E-17  7.500000E-02  0.000000E+00
 34 9.078209E-18 9.078209E-18 9.078209E-18  7.500000E-02  0.000000E+00
 35 9.999999E-19 9.999999E-19 9.999999E-19  7.500000E-02  0.000000E+00
 36 1.000000E-14 1.000000E-14 1.000000E-14  4.000000E-02  0.000000E+00
 37 6.998409E-17 6.998409E-17 6.998409E-17  4.000000E-02  0.000000E+00
 38 9.999999E-19 9.999999E-19 9.999999E-19  4.000000E-02  0.000000E+00
 39 3.303688E-21 3.303688E-21 3.303688E-21  4.000000E-02  0.000000E+00
 40 1.000000E-21 1.000000E-21 1.000000E-21  4.000000E-02  0.000000E+00
 41 9.999999E-19 9.999999E-19 9.999999E-19  7.500000E-02  0.000000E+00
 42 1.000000E-12 1.000000E-12 1.000000E-12  7.500000E-02  1.333333E-08
 FRACTURE MODEL DATA TO FOLLOW :T OR F
 T
 NFRAC
 3
 # DELTA_PI     DELTA_PF       FRAC_PHI      FRAC_EXP      IFRX IFRY IFRZ
 3 1.800000E+06 2.500000E+06 2.900000E-02 5.320828E+01    1    1    0
 4 1.800000E+06 2.500000E+06 2.900000E-02 5.320828E+01    1    1    0
 5 1.800000E+06 2.500000E+06 2.900000E-02 5.320828E+01    1    1    0
 KLINKENBERG EFFECT TO BE USED? True or False
 T
 BKLINK         EXPKLINK
  9.80000E-01 -3.30000E-01
 REFERENCE TEMPERATURE AND PRESSURE FOR DENSITY CALCULATIONS
  3.00150E+02  1.01325E+05
 SALT(WT.%)  DEN_BR  KGSAT  IDGAS   COMPR_BR
 2.9600E+01 1.2300E+03    1     0      2.5000E-10
 VISC_BR   VISC_GAS
  1.80000E-03  8.92000E-06
 GAS DENSITY DATA: =0 COMPUTE; =1 INTERPOLATE
 1
 GAS MOLE FRACTIONS FOR H2, CO2, CH4, N2, H2S, AND O2
 1.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00 0.0000E+00    1    1
 IGASVAR (2= REACTION PATH,  1= USING AVG. STOICH. , 0= USING WELLS)
 1
 RATE CONSTANTS: CORROSION (RKCOR) AND BIODEGRADATION (RKBIO)
  1.0437E-08   2.6642E-07
 HUMIDITY FACTORS: HUMFAC_COR, HUMFAC_BIO
  0.0000E+00   1.0000E-01
 SCOR_H2=a,SCOR_H2O=b,SCOR_FE=c: where b*H2O + c*FE=> a*H2 + inert solids
  1.1667E+00   1.6667E+00   1.0000E+00
 SBIO_GAS=a,SBIO_H2O=b,SBIO_CH2O=c: where b*H2O + c*CH2O=> a*GAS + inerts
  1.1000E+00   0.0000E+00   1.0000E+00
 WICKING SATURATION, HUMID RATE SMOOTHING   ALPHARXN
  5.0000E-01 T   1.0000E+03
 CREEP CLOSURE?
  T
 NKLOS, KLOSINT (0=MOLES,1=PRESSURE) KLOSAVE (1=REGION AVE,2=CELL)
   1    1    2
 CLOSURE PARAMETERS: PRES_LITHO, TIME_OFF PERM_FACTOR, PERM_EXP
 4   5.0000E+07   3.1557E+12   5.5847E-12   0.0000E+00
 NUMBER OF MATERIAL REGIONS FOR CLOSURE
   2
 #  MAT NO.    MODEL 1= WASTE-NOBACKFILL, 2=DRIFT-NOBACKFILL, 3=WASTE-BACKFILL 4=JAN_96:WASTE-NOBACKFILL
 1   12          4
 2   13          4
 WILL RADIONUCLIDE DECAY BE CALCULATED? T or F
 F
 WILL TRANSPORT BE CALCULATED? T or F
 F
 WILL RADIOLYSIS BE CALCULATED? T or F
 F
 BRAGFLO GAS COMPONENT TRANSPORT MODEL
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