Appendix B: Sample Output File

```
*****************************************************************************
** Beginning of BRAGFLO        Version: 4.00          Revised: 01/21/96      **
** Begun on:  01/25/96 at 16:19.05   Run on: LARRY  - ALPHA AXP OpenVMS V6.1 **
*****************************************************************************


 BBBBBB   RRRRRR    AAAAA    GGGGG   FFFFFFF  LL        OOOOO
 BB   BB  RR   RR  AA   AA  GG   GG  FF       LL       OO   OO
 BB   BB  RR   RR  AA   AA  GG       FF       LL       OO   OO
 BBBBBB   RRRRRR   AAAAAAA  GG       FFFFF    LL       OO   OO
 BB   BB  RRRRR    AA   AA  GG  GGG  FF       LL       OO   OO
 BB   BB  RR  RR   AA   AA  GG   GG  FF       LL       OO   OO
 BBBBBB   RR   RR  AA   AA   GGGGG   FF       LLLLLLL   OOOOO


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                              Disclaimer
                              ----------

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 **QA**     -- QA info for:
 PREBRAG    -- program name;
 6.00       -- PREBRAG version number;
 01/21/96   -- PREBRAG revision date;
 01/24/96   -- PREBRAG run date;
 11:16:45   -- PREBRAG run time.


Number of file names to follow =   5

*****************************************************************************
Input File Name:
WP$TESTROOT:[BF2.TEST]BF2_NMVP_MED_2.INP;2
*****************************************************************************

*****************************************************************************
ASCII Output File Name:
WP$TESTROOT:[BF2.TEST]BF2_NMVP_MED_2.OUT;1
*****************************************************************************

*****************************************************************************
ASCII Summary File Name:
WP$TESTROOT:[BF2.TEST]BF2_NMVP_MED_2.SUM;1
*****************************************************************************

*****************************************************************************
Binary Output File Name:
WP$TESTROOT:[BF2.TEST]BF2_NMVP_MED_2.BIN;1
*****************************************************************************

*****************************************************************************
Restart Output File Name:
WP$TESTROOT:[BF2.TEST]BF2_NMVP_MED_2.ROT;1
*****************************************************************************


 Simulation title:
 1996 BRAGFLO CASE 2: MEDIAN UNDISTURBED NO MIGRATION VARIANCE PETITION CALCULATION

 Size parameters:   NX,   NY,   NZ
                    33    31     1

 Number of grid blocks = 1023

 Model Type  (MODTYPE) =  2-Dimensional

*****************************************************************************************************************
```

```
Parameters for adjusting DELT:
    Number of times to fix DELT  (NDTFIX) =    7
    TIMEDTFIX = Time for fixing DELT, s
    DTFIX     = DELT to be used when TIMEDTFIX is exceeded, s
       K   TIMEDTFIX(K)     DTFIX(K)
       1   0.000000E+00 8.640000E+02
       2   3.155700E+08 8.640000E+02
       3   7.889200E+08 8.640000E+02
       4   1.577800E+09 8.640000E+02
       5   3.155700E+09 8.640000E+02
       6   6.311400E+09 8.640000E+02
       7   1.262300E+10 8.640000E+02

UNITS used in input:
   SI

UNITS used in output:
   SI
*****************************************************************************************************

Start time of simulation      (START) =-1.57790E+08 s
End time for simulation      (FINISH) = 3.15570E+11 s
Max no. time steps allowed   (MAXITF) = 10000
Initial time step              (DELT) = 8.64000E+00 s
Minimum time step allowed   (DELTMIN) = 8.64000E-04 s
Maximum time step allowed   (DELTMAX) = 1.72800E+09 s
Max fractional increase in time step allowed    (DTIMEMAX) = 1.25000E+00
Flag for auto time step control (0=No,1=Yes)  (ITIMECNTRL) = 1
Switch from relative to absolute change
    in variable for determining time step size   (TSWITCH) = 1.00000E+00
*****************************************************************************************************

ASCII print control type          (IPRTYPEASC) =  2
Binary print control type         (IPRTYPEBIN) =  0
Restart print control type        (IPRTYPERST) =  2

ASCII output at  2 specified times:
    1    0.00000E+00 s
    2    3.15570E+11 s

Binary output timestep interval    (IPRNTBIN) =  20

Restart output at  1 specified times:
    1    3.15570E+11 s
*****************************************************************************************************

 ****  Variable Output Flags  ****
 0 = Do NOT Print to Designated Output File
 1 = DO Print to Designated Output File

  I  ASC  BIN  Variable            Description                                  Units
---  ---  ---  ------------------  -----------                                  -----

  1    1    1  PO                  Brine pressure                               Pa
  2    1    1  PG                  Gas pressure                                 Pa
  3    0    0  POTO                Brine rho*g*potentiometric head              Pa
  4    0    0  POTG                Gas rho*g*potentiometric head                Pa
  5    0    0  PBUB                Brine bubble pressure                        Pa
  6    1    1  PHI                 Porosity                                     dimensionless
  7    0    0  RKO                 Relative permeability to brine               dimensionless
  8    0    0  RKG                 Relative permeability to gas                 dimensionless
  9    0    0  RHOB                Brine density                                kg/m^3
 10    0    1  RHOG                Gas density                                  kg/m^3
 11    0    1  PERMBX              Permeability to brine, x-direction           m^2
 12    0    0  PERMBY              Permeability to brine, y-direction           m^2
 13    0    0  PERMBZ              Permeability to brine, z-direction           m^2
 14    0    1  PERMGX              Permeability to gas, x-direction             m^2
 15    0    0  PERMGY              Permeability to gas, y-direction             m^2
 16    0    0  PERMGZ              Permeability to gas, z-direction             m^2
 17    0    0  SO                  Brine saturation                             fraction void volume
 18    1    1  SG                  Gas saturation                               fraction void volume
 19    0    0  COO                 Brine component of brine phase               mass fr brine phase
 20    0    1  CGO                 Gas component of brine phase                 mass fr brine phase
 21    0    0  QOREFAVE            Time-average well brine flow rate            m^3/s (ref conds)
 22    0    0  QGREFAVE            Time-average well gas flow rate              m^3/s (ref conds)
 23    0    0  QOCUM               Cumulative well brine flow                   fr Orig Brn In Place
 24    0    0  QGCUM               Cumulative well gas flow                     fr Orig Gas In Place
 25    0    0  VODAVEI             Time-avg brine Darcy velocity, x-dir         m/s
 26    0    0  VODAVEJ             Time-avg brine Darcy velocity, y-dir         m/s
 27    0    0  VODAVEK             Time-avg brine Darcy velocity, z-dir         m/s
 28    0    0  VGDAVEI             Time-avg gas Darcy velocity, x-dir           m/s
 29    0    0  VGDAVEJ             Time-avg gas Darcy velocity, y-dir           m/s
 30    0    0  VGDAVEK             Time-avg gas Darcy velocity, z-dir           m/s
 31    0    1  QODAVEI             Time-avg interblock brine flow, x-dir        m^3/s (@ ref conds)
 32    0    1  QODAVEJ             Time-avg interblock brine flow, y-dir        m^3/s (@ ref conds)
 33    0    0  QODAVEK             Time-avg interblock brine flow, z-dir        m^3/s (@ ref conds)
 34    0    1  QGDAVEI             Time-avg interblock gas flow, x-dir          m^3/s (@ ref conds)
 35    0    1  QGDAVEJ             Time-avg interblock gas flow, y-dir          m^3/s (@ ref conds)
 36    0    0  QGDAVEK             Time-avg interblock gas flow, z-dir          m^3/s (@ ref conds)
 37    0    0  BRNBALREL           Relative Brine mass balance                  dimensionless
 38    0    0  GASBALREL           Relative Gas mass balance                    dimensionless
 39    0    0  RXNR(I,J,K,1)       Inundated corrosion rate                     mol/s
 40    0    0  RXNR(I,J,K,2)       Humid corrosion rate                         mol/s
 41    0    0  RXNR(I,J,K,3)       Inundated biodegradation rate                mol/s
 42    0    0  RXNR(I,J,K,4)       Humid biodegradation rate                    mol/s
 43    0    0  QR(I,J,K,1)         H2 generation rate -- simple model           kg/(s*m^3)
 44    0    1  QR(I,J,K,2)         Brine consumption rate -- simple model       kg/(s*m^3)
 45    0    0  QR(I,J,K,3)         Fe consumption rate -- simple model          kg/(s*m^3)
 46    0    0  QR(I,J,K,4)         CH2O consumption rate -- simple model        kg/(s*m^3)
 47    1    1  CONCFE              Fe concentration -- simple model             kg/m^3
 48    1    1  CONCBIO             CH2O concentration -- simple model           kg/m^3
 49    0    0  GENRAT( 1,I,J,K)    H2 generation rate -- reaction path model    kg/(s*m^3)
 50    0    0  GENRAT( 2,I,J,K)    CO2 generation rate -- reaction path model   kg/(s*m^3)
 51    0    0  GENRAT( 3,I,J,K)    CH4 generation rate -- reaction path model   kg/(s*m^3)
 52    0    0  GENRAT( 4,I,J,K)    N2 generation rate -- reaction path model    kg/(s*m^3)
 53    0    0  GENRAT( 5,I,J,K)    H2S generation rate -- reaction path model   kg/(s*m^3)
 54    0    0  GENRAT( 6,I,J,K)    O2 generation rate -- reaction path model    kg/(s*m^3)
```

55	0	0	GENRAT(7,I,J,K)	H2O generation rate -- reaction path model	kg/(s*m^3)
56	0	0	GENRAT(8,I,J,K)	H2SO4 generation rate -- reaction path model	kg/(s*m^3)
57	0	0	GENRAT(9,I,J,K)	HNO3 generation rate -- reaction path model	kg/(s*m^3)
58	0	0	GENRAT(10,I,J,K)	CH2O consumption rate -- reaction path model	kg/(s*m^3)
59	0	0	GENRAT(11,I,J,K)	Fe consumption rate -- reaction path model	kg/(s*m^3)
60	0	0	GENRAT(12,I,J,K)	FeS2_F generation rate -- reaction path model	kg/(s*m^3)
61	0	0	GENRAT(13,I,J,K)	FeS2_O generation rate -- reaction path model	kg/(s*m^3)
62	0	0	GENRAT(14,I,J,K)	FeCO3_F generation rate -- reaction path model	kg/(s*m^3)
63	0	0	GENRAT(15,I,J,K)	FeCO3_O generation rate -- reaction path model	kg/(s*m^3)
64	0	0	GENRAT(16,I,J,K)	Fe(OH)2 generation rate -- reaction path model	kg/(s*m^3)
65	0	0	GENRAT(17,I,J,K)	FeO(OH) generation rate -- reaction path model	kg/(s*m^3)
66	0	0	GENRAT(18,I,J,K)	Fe3O4 generation rate -- reaction path model	kg/(s*m^3)
67	0	0	GENRAT(19,I,J,K)	FeS generation rate -- reaction path model	kg/(s*m^3)
68	0	0	GENRAT(20,I,J,K)	CaO generation rate -- reaction path model	kg/(s*m^3)
69	0	0	GENRAT(21,I,J,K)	Ca(OH)2 generation rate -- reaction path model	kg/(s*m^3)
70	0	0	GENRAT(22,I,J,K)	CaCO3 generation rate -- reaction path model	kg/(s*m^3)
71	0	0	GENRAT(23,I,J,K)	H2 generation rate -- radiolysis	kg/(s*m^3)
72	0	0	CONCRXN(1,I,J,K)	H2 concentration -- reaction path model	kg/m^3
73	0	0	CONCRXN(2,I,J,K)	CO2 concentration -- reaction path model	kg/m^3
74	0	0	CONCRXN(3,I,J,K)	CH4 concentration -- reaction path model	kg/m^3
75	0	0	CONCRXN(4,I,J,K)	N2 concentration -- reaction path model	kg/m^3
76	0	0	CONCRXN(5,I,J,K)	H2S concentration -- reaction path model	kg/m^3
77	0	0	CONCRXN(6,I,J,K)	O2 concentration -- reaction path model	kg/m^3
78	0	0	CONCRXN(7,I,J,K)	H2O concentration -- reaction path model	kg/m^3
79	0	0	CONCRXN(8,I,J,K)	H2SO4 concentration -- reaction path model	kg/m^3
80	0	0	CONCRXN(9,I,J,K)	HNO3 concentration -- reaction path model	kg/m^3
81	0	0	CONCRXN(10,I,J,K)	CH2O concentration -- reaction path model	kg/m^3
82	0	0	CONCRXN(11,I,J,K)	Fe concentration -- reaction path model	kg/m^3
83	0	0	CONCRXN(12,I,J,K)	FeS2_F concentration -- reaction path model	kg/m^3
84	0	0	CONCRXN(13,I,J,K)	FeS2_O concentration -- reaction path model	kg/m^3
85	0	0	CONCRXN(14,I,J,K)	FeCO3_F concentration -- reaction path model	kg/m^3
86	0	0	CONCRXN(15,I,J,K)	FeCO3_O concentration -- reaction path model	kg/m^3
87	0	0	CONCRXN(16,I,J,K)	Fe(OH)2 concentration -- reaction path model	kg/m^3
88	0	0	CONCRXN(17,I,J,K)	FeO(OH) concentration -- reaction path model	kg/m^3
89	0	0	CONCRXN(18,I,J,K)	Fe3O4 concentration -- reaction path model	kg/m^3
90	0	0	CONCRXN(19,I,J,K)	FeS concentration -- reaction path model	kg/m^3
91	0	0	CONCRXN(20,I,J,K)	CaO concentration -- reaction path model	kg/m^3
92	0	0	CONCRXN(21,I,J,K)	Ca(OH)2 concentration -- reaction path model	kg/m^3
93	0	0	CONCRXN(22,I,J,K)	CaCO3 concentration -- reaction path model	kg/m^3
94	0	0	CONCRXN(23,I,J,K)	H2 concentration -- radiolysis	kg/m^3
95	0	0	H2OFLOWIN	Water inflow rate	kg/s
96	0	0	B_MASS_CUM(1)	Total isotope mass from Waste Region 1	kg
97	0	0	B_CONC_CUM(1)	Total isotope conc from Waste Region 1	kg/m^3
98	0	0	S_MASS_CUM(1)	Total solid isotope mass from Waste Region 1	kg
99	0	0	B_MASS_CUM(2)	Total isotope mass from Waste Region 2	kg
100	0	0	B_CONC_CUM(2)	Total isotope conc from Waste Region 2	kg/m^3
101	0	0	S_MASS_CUM(2)	Total solid isotope mass from Waste Region 2	kg
102	0	0	B_MASS(1,1)	Mass of isotope 1 from Waste Region 1	kg
103	0	0	B_MASS(1,2)	Mass of isotope 1 from Waste Region 2	kg
104	0	0	B_CONC(1,1)	Conc of isotope 1 from Waste Region 1	kg/m^3
105	0	0	B_CONC(1,2)	Conc of isotope 1 from Waste Region 2	kg/m^3
106	0	0	S_MASS(1,1)	Solid mass of isotope 1 from Waste Region 1	kg
107	0	0	S_MASS(1,2)	Solid mass of isotope 1 from Waste Region 2	kg

****

Number of variables to be printed as History Variables (NHIV) = 6
NOTE: History variables printed only to Binary output file.

Vbl No.	No. of Grid Blocks	(I,J,K)-Indexes						
1	31	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	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	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		
32	46	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	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	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 key parameters (MONITOR): T
Number of Monitor Blocks (NMON) = 3
I-index of grid block 1 to be monitored (IMONITOR) = 12

```
   J-index of grid block 1 to be monitored  (JMONITOR) = 10
   K-index of grid block 1 to be monitored  (KMONITOR) =  1
   I-index of grid block 2 to be monitored  (IMONITOR) = 18
   J-index of grid block 2 to be monitored  (JMONITOR) = 10
   K-index of grid block 2 to be monitored  (KMONITOR) =  1
   I-index of grid block 3 to be monitored  (IMONITOR) = 26
   J-index of grid block 3 to be monitored  (JMONITOR) = 12
   K-index of grid block 3 to be monitored  (KMONITOR) =  1

Geometry Flags -- Specifies how block thicknesses are to be read.
   IDXFLAG    =  1
   IDYFLAG    =  2
   IDZFLAG    =  1
   IDEPTHFLAG =  7

Grid block dimensions in I-direction, m
  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 block dimensions in J-direction, m
  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 4.620000E+00 4.650000E-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 block dimensions in K-direction, m
  6.131430E+04 2.131430E+04 8.748800E+03 6.561600E+03 3.314300E+03
  2.114300E+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

Elevations to grid block centers in IJK-direction, m
  1.293640E+02 1.293640E+02 1.293640E+02 1.293640E+02 1.293640E+02
  1.293640E+02 1.293640E+02 1.293640E+02 1.293640E+02 1.293640E+02
  1.293640E+02 1.293640E+02 1.293640E+02 1.293640E+02 1.293640E+02
  1.293640E+02 1.293640E+02 1.293640E+02 1.293640E+02 1.293640E+02
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  1.544140E+02 1.544140E+02 1.544140E+02 1.544140E+02 1.544140E+02
  1.544140E+02 1.544140E+02 1.544140E+02 1.544140E+02 1.544140E+02
  1.544140E+02 1.544140E+02 1.544140E+02 1.544140E+02 1.544140E+02
  1.544140E+02 1.544140E+02 1.544140E+02 1.544140E+02 1.544140E+02
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  1.031130E+03 1.031130E+03 1.031130E+03 1.031130E+03 1.031130E+03
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  1.031130E+03 1.031130E+03 1.031130E+03 1.031130E+03 1.031130E+03
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  1.031130E+03 1.031130E+03 1.031130E+03 1.031130E+03 1.031130E+03
  1.031130E+03 1.031130E+03 1.031130E+03 1.031130E+03 1.031130E+03
  1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03
  1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03
  1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03
  1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03
  1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03
  1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03
  1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03 1.039010E+03
  1.039010E+03 1.039010E+03 1.039010E+03

Dirichlet BCs to be specified? (T/F)                    (DIRICHLET) =   T
Number of grid blocks where Dirichlet BCs specified (NO_DIRGRID) =  37
  N     I   J   K    DIRGRIDP  DIRGRIDS    DIR_PRES (Pa)     DIR_SATB
  1     1  24   1       T         F         8.520000E+05   0.000000E+00
  2    33  24   1       T         F         8.520000E+05   0.000000E+00
  3     1  26   1       T         F         9.000000E+05   0.000000E+00
  4    33  26   1       T         F         9.000000E+05   0.000000E+00
  5     1  31   1       T         T         1.013250E+05   2.000000E-01
  6     2  31   1       T         T         1.013250E+05   2.000000E-01
  7     3  31   1       T         T         1.013250E+05   2.000000E-01
  8     4  31   1       T         T         1.013250E+05   2.000000E-01
  9     5  31   1       T         T         1.013250E+05   2.000000E-01
 10     6  31   1       T         T         1.013250E+05   2.000000E-01
 11     7  31   1       T         T         1.013250E+05   2.000000E-01
 12     8  31   1       T         T         1.013250E+05   2.000000E-01
 13     9  31   1       T         T         1.013250E+05   2.000000E-01
 14    10  31   1       T         T         1.013250E+05   2.000000E-01
 15    11  31   1       T         T         1.013250E+05   2.000000E-01
 16    12  31   1       T         T         1.013250E+05   2.000000E-01
 17    13  31   1       T         T         1.013250E+05   2.000000E-01
 18    14  31   1       T         T         1.013250E+05   2.000000E-01
 19    15  31   1       T         T         1.013250E+05   2.000000E-01
 20    16  31   1       T         T         1.013250E+05   2.000000E-01
 21    17  31   1       T         T         1.013250E+05   2.000000E-01
 22    18  31   1       T         T         1.013250E+05   2.000000E-01
 23    19  31   1       T         T         1.013250E+05   2.000000E-01
 24    20  31   1       T         T         1.013250E+05   2.000000E-01
 25    21  31   1       T         T         1.013250E+05   2.000000E-01
 26    22  31   1       T         T         1.013250E+05   2.000000E-01
 27    23  31   1       T         T         1.013250E+05   8.000000E-01
 28    24  31   1       T         T         1.013250E+05   2.000000E-01
 29    25  31   1       T         T         1.013250E+05   2.000000E-01
 30    26  31   1       T         T         1.013250E+05   2.000000E-01
 31    27  31   1       T         T         1.013250E+05   2.000000E-01
 32    28  31   1       T         T         1.013250E+05   2.000000E-01
 33    29  31   1       T         T         1.013250E+05   2.000000E-01
 34    30  31   1       T         T         1.013250E+05   2.000000E-01
 35    31  31   1       T         T         1.013250E+05   2.000000E-01
 36    32  31   1       T         T         1.013250E+05   2.000000E-01
 37    33  31   1       T         T         1.013250E+05   2.000000E-01

SATLIMIT and DEPLIMIT for 2 equations:
    SATLIMIT    = 1.000E-03
    DEPLIMIT(1) = 2.000E-01
    DEPLIMIT(2) =-1.000E+08 Pa

Variable change allowed to keep same time step  (DELTADEPNORM):
    DELTADEPNORM(1) = 3.000E-01
    DELTADEPNORM(2) = 5.000E+05 Pa

Max variable change allowed over time step  (DDEPMAX):
    DDEPMAX(1) = 1.000E+00
    DDEPMAX(2) = 1.000E+07 Pa

NORMAL Newton-Raphson convergence criteria (EPSNORM):
    EPSNORM(1) = 3.000E+00
    EPSNORM(2) = 1.000E-02

LOOSE Newton-Raphson convergence criteria (EPSLOOSE):
    EPSLOOSE(1) = 3.000E+00
    EPSLOOSE(2) = 1.000E-02

NORMAL Min. value of RHS function vector below which
    convergence is accepted regardless of EPS (FTOLNORM):
    FTOLNORM(1) = 1.000E-02
    FTOLNORM(2) = 1.000E-02

LOOSE Min. value of RHS function vector below which
    convergence is accepted regardless of EPS (FTOLLOOSE):
    FTOLLOOSE(1) = 1.000E-02
    FTOLLOOSE(2) = 1.000E-02

Convergence criteria for gas component transport:
    EPSGAS(1) =-1.000E-05
    EPSGAS(2) = 1.000E-05
    EPSGAS(3) = 1.000E-05
    EPSGAS(4) = 1.000E-05

Solver to be used (CHSOLVER):  LU

Newton-Raphson control parameters:
```

```
    Maximum number of Newton-Raphson iterations      (ITMAX) =   8
    Maximum number of interval halvings
       if Newton-Raphson encounters errors     (IRESETMAX) =  40
    Interval frequency for updating Jacobian   (IJACINPUT) =   1
    Scaling of matrix to be done before solution   (LSCALE) =   T
    Pressure scaling factor                      (P_SCALE) = 1.000E+07
    Variable switching allowed                  (LVARSWTCH) =   F
    Upstream weighting update frequency for
       relative permeabilities                  (IUPRPFLAG) =   9
    Upstream weighting update frequency for
       mass fractions                           (IUPMFFLAG) =   9
    Timestep reduction factor if error occurs  (DELTFACTOR) = 5.000E-01
    Transmissivity averaging method                (ITRAVE) =   1
    Mass fraction averaging method                 (IMFRAVE) =   0

Jacobian reevaluation control parameters:
    Number of time step reductions allowed
       before Jacobian starts to be reevaluated
       every IJACMINth iteration     (IJACSWITCH) = 41
    New number of iterations allowed before
       Jacobian is reevaluated          (IJACMIN) =  1
    Number of time steps IJACMIN is in effect
       after violation of IJACSWITCH (IJACRESET) =  5
    Upstream weighting update frequency for
       relative permeabilities while
       IJACMIN is in effect          (IUPRPLOOSE) =  9
    Upstream weighting update frequency for dissolved gas
       while IJACMIN is in effect    (IUPMFLOOSE) =  9

Relative change in variable for Jacobian element derivative calculations (DH):
    DH(1) = 1.000E-08
    DH(2) = 1.000E-08

Minimum variable change allowed for Jacobian element derivative calculations (HMIN):
    HMIN(1) = 1.000E-10
    HMIN(2) = 1.000E-02 Pa
*****************************************************************************************************************

Number of times to specify material grid (NMATTIMES) =   8
-----------------------------------------------------------------------------------------------------------------
Material time number =  1          Starting at time =-1.577900E+08 s
    Layer    1
1    10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 10
2    10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
3     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
6     3  3  3  3  3  3  3  3  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  9  2  2  3  3  3  3  3  3  3  3  3  3
7     1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  9  2  2  1  1  1  1  1  1  1  1  1  1  1
8     1  1  1  1  1  1  1  1  6  6  6  6  6  6  6  6  9  7  7  7  9  8  8  9  8  8  1  1  1  1  1  1  1  1  1  1  1
9     1  1  1  1  1  1  1  1  6  6  6  6  6  6  6  6  9  7  7  7  9  8  8  9  8  8  1  1  1  1  1  1  1  1  1  1  1
10    1  1  1  1  1  1  1  1  6  6  6  6  6  6  6  6  9  7  7  7  9  8  8  9  8  8  1  1  1  1  1  1  1  1  1  1  1
11    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  9  2  2  1  1  1  1  1  1  1  1  1  1  1
12    4  4  4  4  4  4  4  4  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  9  2  2  4  4  4  4  4  4  4  4  4  4  4
13    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  9  2  2  1  1  1  1  1  1  1  1  1  1  1
14    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  9  2  2  1  1  1  1  1  1  1  1  1  1  1
15    5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  9  5  5  5  5  5  5  5  5  5  5  5  5  5
16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  9  1  1  1  1  1  1  1  1  1  1  1  1  1
17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  9  1  1  1  1  1  1  1  1  1  1  1  1  1
18    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  9  1  1  1  1  1  1  1  1  1  1  1  1  1
19    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  9  1  1  1  1  1  1  1  1  1  1  1  1  1
20    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  9  1  1  1  1  1  1  1  1  1  1  1  1  1
21    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  9  1  1  1  1  1  1  1  1  1  1  1  1  1
22    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  9  1  1  1  1  1  1  1  1  1  1  1  1  1
23   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
24   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
25   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
26   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
27   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
28   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
29   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
30   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
31   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10  9 10 10 10 10 10 10 10 10 10 10 10 10 10
-----------------------------------------------------------------------------------------------------------------
Material time number =  2          Starting at time = 0.000000E+00 s
    Layer    1
1    10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 10
2    10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
3     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
6     3  3  3  3  3  3  3  3  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2 27  2  2  3  3  3  3  3  3  3  3  3  3  3
7     1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2 27  2  2  1  1  1  1  1  1  1  1  1  1  1
8     1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1  1  1  1  1
9     1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1  1  1  1  1
10    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1  1  1  1  1
11    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2 27  2  2  1  1  1  1  1  1  1  1  1  1  1
12    4  4  4  4  4  4  4  4  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2 27  2  2  4  4  4  4  4  4  4  4  4  4  4
13    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2 27  2  2  1  1  1  1  1  1  1  1  1  1  1
14    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2 41  2  2  1  1  1  1  1  1  1  1  1  1  1
15    5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5 41  5  5  5  5  5  5  5  5  5  5  5  5  5
16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 33  1  1  1  1  1  1  1  1  1  1  1  1  1
17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 28  1  1  1  1  1  1  1  1  1  1  1  1  1
18    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 28  1  1  1  1  1  1  1  1  1  1  1  1  1
19    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 36  1  1  1  1  1  1  1  1  1  1  1  1  1
20    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 36  1  1  1  1  1  1  1  1  1  1  1  1  1
21    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 26  1  1  1  1  1  1  1  1  1  1  1  1  1
22    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1 25  1  1  1  1  1  1  1  1  1  1  1  1  1
23   14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 24 14 14 14 14 14 14 14 14 14 14 14 14 14
24   15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 24 15 15 15 15 15 15 15 15 15 15 15 15 15
25   16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 24 16 16 16 16 16 16 16 16 16 16 16 16 16
26   17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 24 17 17 17 17 17 17 17 17 17 17 17 17 17
27   18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 24 18 18 18 18 18 18 18 18 18 18 18 18 18
28   19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 23 19 19 19 19 19 19 19 19 19 19 19 19 19
29   19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 23 19 19 19 19 19 19 19 19 19 19 19 19 19
30   20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 23 20 20 20 20 20 20 20 20 20 20 20 20 20
31   20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 23 20 20 20 20 20 20 20 20 20 20 20 20 20
-----------------------------------------------------------------------------------------------------------------
Material time number =  3          Starting at time = 3.155700E+08 s
```

```
     Layer    1
 1    10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 10
 2    10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
 3     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 6     3  3  3  3  3  3  3  3  3  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  3  3
 7     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
 8     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
 9     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
10     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
11     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
12     4  4  4  4  4  4  4  4  4  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  4  4
13     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
14     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
15     5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5
16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
20     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
21     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
22     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
23    14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14
24    15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15
25    16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16
26    17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17
27    18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18
28    19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
29    19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
30    20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
31    20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
-----------------------------------------------------------------------------------------------------------------------
Material time number =  4          Starting at time = 7.889200E+08 s
     Layer    1
 1    10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 10
 2    10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
 3     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 6     3  3  3  3  3  3  3  3  3  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  3  3
 7     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
 8     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
 9     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
10     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
11     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
12     4  4  4  4  4  4  4  4  4  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  4  4
13     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
14     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
15     5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5
16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
20     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
21     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
22     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
23    14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14
24    15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15
25    16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16
26    17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17
27    18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18
28    19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
29    19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
30    20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
31    20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
-----------------------------------------------------------------------------------------------------------------------
Material time number =  5          Starting at time = 1.557800E+09 s
     Layer    1
 1    10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 10
 2    10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
 3     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 6     3  3  3  3  3  3  3  3  3  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  3  3
 7     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
 8     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
 9     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
10     1  1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
11     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
12     4  4  4  4  4  4  4  4  4  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  4  4
13     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
14     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
15     5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5
16     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
17     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
18     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
19     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
20     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
21     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
22     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
23    14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14
24    15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15
25    16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16
26    17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17
27    18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18
28    19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
29    19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
30    20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
31    20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
-----------------------------------------------------------------------------------------------------------------------
Material time number =  6          Starting at time = 3.155700E+09 s
     Layer    1
 1    10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 10
 2    10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
 3     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 4     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 5     1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 6     3  3  3  3  3  3  3  3  3  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  3  3
 7     1  1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1
```

```
 8    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
 9    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
10    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
11    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
12    4  4  4  4  4  4  4  4  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  4  4  4  4  4  4  4  4
13    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
14    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
15    5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5
16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
18    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
19    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
20    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
21    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
22    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
23   14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14
24   15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15
25   16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16
26   17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17
27   18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18
28   19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
29   19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
30   20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
31   20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
-----------------------------------------------------------------------------------------------------------
Material time number =  7          Starting at time = 6.311400E+09 s
   Layer    1
 1   10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 10
 2   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
 3    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 4    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 5    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 6    3  3  3  3  3  3  3  3  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  3  3  3  3  3  3  3  3
 7    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
 8    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
 9    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
10    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
11    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
12    4  4  4  4  4  4  4  4  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  4  4  4  4  4  4  4  4
13    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
14    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
15    5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5
16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
18    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
19    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
20    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
21    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
22    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
23   14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14
24   15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15
25   16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16
26   17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17
27   18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18
28   19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
29   19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
30   20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
31   20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
-----------------------------------------------------------------------------------------------------------
Material time number =  8          Starting at time = 1.262300E+10 s
   Layer    1
 1   10 10 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 11 10 10
 2   10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10 10
 3    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 4    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 5    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
 6    3  3  3  3  3  3  3  3  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  3  3  3  3  3  3  3  3
 7    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
 8    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
 9    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
10    1  1  1  1  1  1  1  1 12 12 12 12 12 12 12 12 42 13 13 13 42 21 21 27 22 22  1  1  1  1  1  1  1  1
11    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
12    4  4  4  4  4  4  4  4  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  4  4  4  4  4  4  4  4
13    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
14    1  1  1  1  1  1  1  1  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  2  1  1  1  1  1  1  1  1
15    5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5  5
16    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
17    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
18    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
19    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
20    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
21    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
22    1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1
23   14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14
24   15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15
25   16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16 16
26   17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17 17
27   18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18 18
28   19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
29   19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19 19
30   20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
31   20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
```

Material type number and name of material:

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

Special material index numbers:
    Number of waste regions                (NWST) =  2
    Initial waste matl index nos. (MAT_WASTEI) =  6  7

    Final waste matl index numbers (MAT_WASTE) = 12 13

    Number of MAT_DRZ regions              (NDRZ) =  0
    Material type index for DRZ before
        IC's are reset                  (MAT_DRZ) =

    Material type index for DRZ after
        IC's are reset              (MAT_DRZNEW) =

    Number of material regions
        where IC's will be reset    (NMATRESET) =  4
    Material type indexes of material regions
        where IC's will be reset     (MATRESET) =  6  7  8  9

    Borehole matl index number (MAT_BOREHOLE)  =  0

Initial Conditions reset parameters:
    Time when IC's are reset           (TIMEICRESET) =  0.00000E+00 s
    Startup Initial Conditions will be used
        instead of Input IC's for the Waste
        [0=No, 1=Yes]                        (ICWASTE) =  1

        Uniform Waste Region  1 Startup Pressure   (POWASTEIC) =  1.01325E+05 Pa
        Uniform Waste Region  2 Startup Pressure   (POWASTEIC) =  1.01325E+05 Pa
        Uniform Waste Region  1 Startup Brine Satn (SOWASTEIC) =  0.00000E+00
        Uniform Waste Region  2 Startup Brine Satn (SOWASTEIC) =  0.00000E+00

-----------------------------------------------------------------------------------------------------------------------------
Material properties:
    XLAMDA      = Brooks-Corey parameter "lambda,"
                  for calculating relative permeability
    SBR         = Residual brine saturation
    SGR         = Residual gas saturation
    XKX         = X-direction permeability, m^2
    YKY         = Y-direction permeability, m^2
    ZKZ         = Z-direction permeability, m^2
    PORROCKMAT  = Rock porosity
    CROCK       = Rock compressibility, 1/Pa
    SBMIN       = Min brine satn at which Pc will be
                  computed using char curve params
    POMIN       = Min brine pressure used to adjust cap
                  pressure when variable model used, Pa
    PCMAX       = Max Pc that can be used, Pa
    PCTA        = Constant in threshold cap press (PCT) correlation, Pa
    PCTEXP      = Exponent in PCT correlation:
                    PCT = PCTA*PERMBX**PCTEXP
    KRP         = Relative permeability model number
    KPC         = Capillary pressure model number
    KPT         = Threshold capillary pressure (PCT) flag:
                  0 = PCT constant
                  1 = PCT function of dynamic permeability
-----------------------------------------------------------------------------------------------------------------------------

 I  XLAMDA     SBR       SGR       XKX       YKY       ZKZ   PORREFROCK CROCK     SBMIN     POMIN     PCMAX     PCTA      PCTEXP    KRP KPC KPT
-----------------------------------------------------------------------------------------------------------------------------
 1 7.00E-01 3.00E-01 2.00E-01 1.00E-21 1.00E-21 1.00E-21 1.00E-02 8.05E-09 3.15E-01 1.01E+05 1.00E+08 9.00E+06 0.00E+00   4   2   0
 2 7.00E-01 0.00E+00 0.00E+00 1.00E-15 1.00E-15 1.00E-15 1.00E-02 8.28E-08 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
 3 7.00E-01 2.00E-01 1.65E-01 2.51E-19 2.51E-19 2.51E-19 1.90E-02 4.12E-09 2.10E-01 1.01E+05 1.00E+08 2.63E-02-3.46E-01   4   2   0
 4 7.00E-01 2.00E-01 1.65E-01 2.51E-19 2.51E-19 2.51E-19 1.90E-02 4.12E-09 2.10E-01 1.01E+05 1.00E+08 2.63E-02-3.46E-01   4   2   0
 5 7.00E-01 2.00E-01 1.65E-01 2.51E-19 2.51E-19 2.51E-19 1.90E-02 4.12E-09 2.10E-01 1.01E+05 1.00E+08 2.63E-02-3.46E-01   4   2   0
 6 7.00E-01 0.00E+00 0.00E+00 1.00E-10 1.00E-10 1.00E-10 1.00E+00 0.00E+00 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
 7 7.00E-01 0.00E+00 0.00E+00 1.00E-10 1.00E-10 1.00E-10 1.00E+00 0.00E+00 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
 8 7.00E-01 0.00E+00 0.00E+00 1.00E-10 1.00E-10 1.00E-10 1.00E+00 0.00E+00 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
 9 7.00E-01 0.00E+00 0.00E+00 1.00E-10 1.00E-10 1.00E-10 1.00E+00 0.00E+00 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
10 1.00E-00 0.00E+00 0.00E+00 1.00E-35 1.00E-35 1.00E-35 5.00E-03 0.00E+00 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
11 7.00E-01 2.00E-01 2.00E-01 1.33E-11 1.33E-11 1.33E-11 5.20E-03 1.92E-07 2.10E-01 1.01E+05 1.00E+08 5.60E-01-3.46E-01   4   2   0
12 7.00E-01 2.00E-01 2.00E-01 5.58E-12 5.58E-12 5.58E-12 8.81E-01 1.20E-09 2.10E-01 1.01E+05 1.00E+08 5.60E-01-3.46E-01   4   2   0
13 7.00E-01 2.00E-01 2.00E-01 5.58E-12 5.58E-12 5.58E-12 8.81E-01 1.20E-09 2.10E-01 1.01E+05 1.00E+08 5.60E-01-3.46E-01   4   4   0
14 7.00E-01 2.00E-01 2.00E-01 1.00E-35 1.00E-35 1.00E-35 2.00E-01 0.00E+00 2.10E-01 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
15 7.00E-01 2.00E-01 2.00E-01 2.65E-13 2.65E-13 2.65E-13 1.46E-01 1.42E-09 2.10E-01 1.01E+05 1.00E+08 5.60E-01-3.46E-01   4   2   0
16 7.00E-01 2.00E-01 2.00E-01 1.00E-35 1.00E-35 1.00E-35 2.00E-01 0.00E+00 2.10E-01 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
17 7.00E-01 2.00E-01 2.00E-01 1.10E-16 1.10E-16 1.10E-16 9.00E-02 2.20E-09 2.10E-01 1.01E+05 1.00E+08 5.60E-01-3.46E-01   4   2   0
18 7.00E-01 2.00E-01 2.00E-01 1.00E-35 1.00E-35 1.00E-35 2.00E-01 0.00E+00 2.10E-01 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
19 7.00E-01 2.00E-01 2.00E-01 9.33E-16 9.33E-16 9.33E-16 1.50E-01 6.67E-08 2.10E-01 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
20 7.00E-01 2.00E-01 2.00E-01 1.00E-10 1.00E-10 1.00E-10 1.75E-01 5.71E-08 2.10E-01 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
21 7.00E-01 0.00E+00 0.00E+00 1.00E-11 1.00E-11 1.00E-11 1.00E+00 0.00E+00 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
22 7.00E-01 0.00E+00 0.00E+00 1.00E-11 1.00E-11 1.00E-11 1.00E+00 0.00E+00 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
23 1.70E-00 2.21E-01 2.00E-01 1.00E-14 1.00E-14 1.00E-14 2.50E-01 0.00E+00 2.32E-01 1.01E+05 1.00E+08 1.42E+04 0.00E+00   4   2   0
24 1.90E-01 2.24E-02 2.24E-02 1.00E-18 1.00E-18 1.00E-18 2.50E-01 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
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25 7.00E-01 0.00E+00 0.00E+00 3.31E-17 3.31E-17 3.31E-17 1.00E-02 0.00E+00 0.00E+00 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0
26 7.00E-01 2.00E-01 2.00E-01 5.00E-19 5.00E-19 5.00E-19 7.50E-02 0.00E+00 2.10E-01 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
27 7.00E-01 2.00E-01 2.00E-01 1.00E-14 1.00E-14 1.00E-14 7.50E-02 0.00E+00 2.10E-01 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
28 1.90E-01 2.24E-02 2.24E-02 3.84E-17 3.84E-17 3.84E-17 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
29 1.90E-01 2.24E-02 2.24E-02 2.53E-17 2.53E-17 2.53E-17 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
30 1.90E-01 2.24E-02 2.24E-02 1.58E-17 1.58E-17 1.58E-17 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
31 1.90E-01 2.24E-02 2.24E-02 6.53E-18 6.53E-18 6.53E-18 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
32 1.90E-01 2.24E-02 2.24E-02 1.00E-18 1.00E-18 1.00E-18 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
33 1.90E-01 2.24E-02 2.24E-02 4.68E-17 4.68E-17 4.68E-17 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
34 1.90E-01 2.24E-02 2.24E-02 9.08E-18 9.08E-18 9.08E-18 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
35 1.90E-01 2.24E-02 2.24E-02 1.00E-18 1.00E-18 1.00E-18 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
36 7.00E-01 2.00E-01 2.00E-01 1.00E-14 1.00E-14 1.00E-14 4.00E-02 0.00E+00 2.10E-01 1.01E+05 1.00E+08 3.90E+04 0.00E+00   4   2   0
37 7.00E-01 2.00E-01 2.00E-01 7.00E-17 7.00E-17 7.00E-17 4.00E-02 0.00E+00 2.10E-01 1.01E+05 1.00E+08 2.18E+05 0.00E+00   4   2   0
38 7.00E-01 2.00E-01 2.00E-01 1.00E-18 1.00E-18 1.00E-18 4.00E-02 0.00E+00 2.10E-01 1.01E+05 1.00E+08 9.47E+05 0.00E+00   4   2   0
39 7.00E-01 2.00E-01 2.00E-01 3.30E-21 3.30E-21 3.30E-21 4.00E-02 0.00E+00 2.10E-01 1.01E+05 1.00E+08 4.70E+06 0.00E+00   4   2   0
40 7.00E-01 2.00E-01 2.00E-01 1.00E-21 1.00E-21 1.00E-21 4.00E-02 0.00E+00 2.10E-01 1.01E+05 1.00E+08 4.70E+06 0.00E+00   4   2   0
41 1.90E-01 2.24E-02 2.24E-02 1.00E-18 1.00E-18 1.00E-18 7.50E-02 0.00E+00 2.35E-02 1.01E+05 1.00E+08 1.50E+06 0.00E+00   4   2   0
42 7.00E-01 2.00E-01 2.00E-01 1.00E-12 1.00E-12 1.00E-12 7.50E-02 1.33E-08 2.10E-01 1.01E+05 1.00E+08 0.00E+00 0.00E+00   4   1   0

 Fracture model will be used?  (KFRACTURE): T

 Fracture model parameters:
     Index for material in which fracturing occurs (IFRCMAT) =   3
     Fracture initiation pressure increment       (FRPIINC) = 1.80000E+06 Pa
     Fully-developed fracture pressure increment  (FRPFINC) = 2.50000E+06 Pa
     Maximum fracture porosity                   (FRPHIMAX) = 2.90000E-02
     Fracture permeability function exponent     (FRPRMEXP) = 5.32083E+01
     Flag to calc x-direction perm as fractured       (IFRX) =   1  (yes)
     Flag to calc y-direction perm as fractured       (IFRY) =   1  (yes)
     Flag to calc z-direction perm as fractured       (IFRZ) =   0  (no)

 Fracture model parameters:
     Index for material in which fracturing occurs (IFRCMAT) =   4
     Fracture initiation pressure increment       (FRPIINC) = 1.80000E+06 Pa
     Fully-developed fracture pressure increment  (FRPFINC) = 2.50000E+06 Pa
     Maximum fracture porosity                   (FRPHIMAX) = 2.90000E-02
     Fracture permeability function exponent     (FRPRMEXP) = 5.32083E+01
     Flag to calc x-direction perm as fractured       (IFRX) =   1  (yes)
     Flag to calc y-direction perm as fractured       (IFRY) =   1  (yes)
     Flag to calc z-direction perm as fractured       (IFRZ) =   0  (no)

 Fracture model parameters:
     Index for material in which fracturing occurs (IFRCMAT) =   5
     Fracture initiation pressure increment       (FRPIINC) = 1.80000E+06 Pa
     Fully-developed fracture pressure increment  (FRPFINC) = 2.50000E+06 Pa
     Maximum fracture porosity                   (FRPHIMAX) = 2.90000E-02
     Fracture permeability function exponent     (FRPRMEXP) = 5.32083E+01
     Flag to calc x-direction perm as fractured       (IFRX) =   1  (yes)
     Flag to calc y-direction perm as fractured       (IFRY) =   1  (yes)
     Flag to calc z-direction perm as fractured       (IFRZ) =   0  (no)

 Klinkenberg effect will be included?  (KLINK): T

 Klinkenberg equation parameters:
      Linear factor    (BKLINK) = 9.80000E-01 Pa
      Exponent       (EXPXLINK) =-3.30000E-01


 Reference conditions:
     Reference temperature  (TREF) = 3.00150E+02 K
     Reference pressure     (PREF) = 1.01325E+05 Pa

 Brine salinity                                 (SALT) = 2.9600E+01 wt %
 Brine density at ref. conditions             (DENOSC) = 1.2300E+03 kg/m^3
 Gas-free (=0) or gas-sat'd brine (=1)         (KGSAT) = 1
 Dissolved gas (=1) or no dissolved gas (=0)   (IDGAS) = 0
 Brine compressibility                        (BRCOMP) = 2.5000E-10 1/Pa

 Brine viscosity  (VISO) =  1.8000E-03 Pa*s
 Gas viscosity    (VISG) =  8.9200E-06 Pa*s

 Flag for calculating gas density (INTERPDENG):
     INTERPDENG = 1:  Interpolate from table with RKS EOS.

 Gas parameters:
     Gas mole fraction  (YGAS)
         H2:    1.000E+00       CO2:   0.000E+00
         CH4:   0.000E+00       N2:    0.000E+00
         H2S:   0.000E+00       O2:    0.000E+00
     Number of gases actually used    (NGAS) = 1
     Gas number used if NGAS=1:
         (1=H2, 2=CO2, 3=CH4, 4=N2
          5=H2S, 6=O2)                (NGAS1) = 1
*****************************************************************************************************************************

 Gas generation model (IGASVAR) = 1
     Original model:  Zeroth-order corrosion & biodegradation.

 Reaction rate constants  (RK):
     Corrosion reaction rate constant       = 3.043700E-08 mol Fe/(s*m^3)
     Biodegradation reaction rate constant = 2.664200E-07 mol cell/(s*m^3)

 Factor for humid reaction rate constants  (HF):
     Corrosion reaction       = 0.000000E+00
     Biodegradation reaction = 1.000000E-01

 Stoichiometric coeff's for corrosion rxn  [S(1,I)]:
     Gas coefficient = 1.166700E+00
     H2O coefficient = 1.666700E+00
     Fe coefficient  = 1.000000E+00

 Stoichiometric coeff's for biodegr. rxn  [S(2,I)]:
     Gas coefficient = 1.100000E+00
     H2O coefficient = 0.000000E+00
     Bio coefficient = 1.000000E+00

 Molecular weights  (WM):
     H2:    2.0159E-03 kg/mol
     H2O:   1.8015E-02 kg/mol
```

```
    Fe:    5.5847E-02 kg/mol
    Bio:   1.0026E-02 kg/mol

 Wicking term  (SATWICK) = 5.000000E-01
 Humid rates to be smoothed?      (LARXN) =  T
 Humid rate smoothing factor  (ALPHARXN) = 1.000000E+03

 Will creep closure be used  (CLOSURE):  T

 Number of closure surfaces  (NKLOS) =    1
 Closure surface interpolation basis (KLOSINT):  1
     [Gas generation rate:     KLOSINT=0]
     [Average waste pressure:  KLOSINT=1]
 Pressure averaging method for closure (KLOSAVG):  2
     [Average all closure surface blocks:  KLOSAVG=1]
     [No averaging; use PO in (I,J,K):     KLOSAVG=2]

 PLITHO        = Maximum pressure for closure
 TIME_CLOSOFF  = Time limit for closure
 CLOSPERMFACT  = Constant factor in permeability-porosity expression
 CLOSPERMEXP   = Exponent in permeability-porosity expression
    Model Number   (PLITHO) [Pa]    (TIME_CLOSOFF) [s]  (CLOSPERMFACT) [m^2]   (CLOSPERMEXP) [-]
          4          5.000000E+07       3.155700E+12         5.584700E-12          0.000000E+00

 Number of materials using closure (NMATCLOS) =   2
        Material Index    Model Number
    #       (MATCLOS)       (MODELCLOS)
    1          12              4
    2          13              4

 Radionuclide decay will be calculated? (LRADDK)  F

 Solute transport will be calculated?    (LTRANS):  F
 Solute radiolysis will be calculated? (LRADLSIS):  F

 Decay has been turned off (LRADDK changed to F),
     since neither transport nor radiolysis is on:
     (LTRANS = LRADLSIS = F)


 Will gas component transport be calculated?  (LRXGAST):   F

*** Waste Region  1 is initialized with PO & SO =   1.013250E+05   0.000000E+00


*** Waste Region  2 is initialized with PO & SO =   1.013250E+05   0.000000E+00


*****************************************************************************************************************
 Total mesh volume  = 1.907061E+12 m^3
 Total waste volume = 4.161532E+05 m^3
 Density of initial brine at ref cond = 1.230000E+03 kg/m^3
 Density of initial gas at ref cond   = 8.179988E-02 kg/m^3
 Mass fraction of initial brine in brine phase at ref. cond = 1.000000E+00
 Mass fraction of initial gas in brine phase at ref. cond   = 0.000000E+00
 Original brine in place at ref. cond = 1.539993E+10 m^3
 Original brine in place              = 1.894192E+13 kg
 Original gas in place at ref. cond   = 4.950996E+08 m^3
 Original gas in place                = 4.049908E+07 kg


 Number of element variables printed to ASCII output =    6

 Number of global  variables printed to ASCII output =   10

       CAMCON   Element Variable                                                          Units Conv
 No.   Vbl Name Description                                      Units Label          Factor
----   -------- ---------------------------------------------- -------------------- -----------
   1   PRESBRIN Brine pressure                                  Pa                   1.000000E+00
   2   PRESGAS  Gas pressure                                    Pa                   1.000000E+00
   6   POROS    Porosity                                        dimensionless        1.000000E+00
  18   SATGAS   Gas saturation                                  fraction void volume 1.000000E+00
  47   FECONC   Fe concentration -- simple model                kg/m^3               1.000000E+00
  48   CELLCONC CH2O concentration -- simple model              kg/m^3               1.000000E+00

       CAMCON   Global Variable                                                           Units Conv
 No.   Vbl Name Description                                      Units Label          Factor
----   -------- ---------------------------------------------- -------------------- -----------
   1   BRNMBCUM Cumulative brine mass balance                   dimensionless        1.000000E+00
   2   GASMBCUM Cumulative gas mass balance                     dimensionless        1.000000E+00
   3   BRNMBMAX Maximum brine mass balance                      dimensionless        1.000000E+00
   4   GASMBMAX Maximum gas mass balance                        dimensionless        1.000000E+00
   5   IBRNMBMX I-index, location of maximum brine mass balance dimensionless        1.000000E+00
   6   JBRNMBMX J-index, location of maximum brine mass balance dimensionless        1.000000E+00
   7   KBRNMBMX K-index, location of maximum brine mass balance dimensionless        1.000000E+00
   8   IGASMBMX I-index, location of maximum gas mass balance   dimensionless        1.000000E+00
   9   JGASMBMX J-index, location of maximum gas mass balance   dimensionless        1.000000E+00
  10   KGASMBMX K-index, location of maximum gas mass balance   dimensionless        1.000000E+00


Grid block dimensions
-----------------------------------------------------------------------------------------------------------------
Grid block dimensions in X-direction                m
   Layer   1
1  1.50000E+04  5.00000E+03  1.00000E+03  7.50000E+02  5.00000E+02  1.00000E+02  4.00000E+01  1.00000E+01  4.38000E+01  1.00000E+01
   2.00000E+00  4.00000E-01  2.00000E+00  1.00000E+01  4.38000E+01  4.00000E+01  1.00000E+02  4.95000E-02  1.00000E+02  8.00000E+01
   2.83000E+02  5.00000E+01  1.00000E+01  6.00000E+01  5.00000E+02  1.00000E+01  4.00000E+01  1.00000E+02  5.00000E+02  7.50000E+02
   1.00000E+03  5.00000E+03  1.50000E+04
2  1.50000E+04  5.00000E+03  1.00000E+03  7.50000E+02  5.00000E+02  1.00000E+02  4.00000E+01  1.00000E+01  4.38000E+01  1.00000E+01
   2.00000E+00  4.00000E-01  2.00000E+00  1.00000E+01  4.38000E+01  4.00000E+01  1.00000E+02  4.95000E-02  1.00000E+02  8.00000E+01
   2.83000E+02  5.00000E+01  1.00000E+01  6.00000E+01  5.00000E+02  1.00000E+01  4.00000E+01  1.00000E+02  5.00000E+02  7.50000E+02
   1.00000E+03  5.00000E+03  1.50000E+04
3  1.50000E+04  5.00000E+03  1.00000E+03  7.50000E+02  5.00000E+02  1.00000E+02  4.00000E+01  1.00000E+01  4.38000E+01  1.00000E+01
   2.00000E+00  4.00000E-01  2.00000E+00  1.00000E+01  4.38000E+01  4.00000E+01  1.00000E+02  4.95000E+02  1.00000E+02  8.00000E+01
   2.83000E+02  5.00000E+01  1.00000E+01  6.00000E+01  5.00000E+02  1.00000E+01  4.00000E+01  1.00000E+02  5.00000E+02  7.50000E+02
   1.00000E+03  5.00000E+03  1.50000E+04
4  1.50000E+04  5.00000E+03  1.00000E+03  7.50000E+02  5.00000E+02  1.00000E+02  4.00000E+01  1.00000E+01  4.38000E+01  1.00000E+01
   2.00000E+00  4.00000E-01  2.00000E+00  1.00000E+01  4.38000E+01  4.00000E+01  1.00000E+02  4.95000E-02  1.00000E+02  8.00000E+01
   2.83000E+02  5.00000E+01  1.00000E+01  6.00000E+01  5.00000E+02  1.00000E+01  4.00000E+01  1.00000E+02  5.00000E+02  7.50000E+02
```

	1.00000E+03	5.00000E+03	1.50000E+04									
5	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
6	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
7	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
8	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
9	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
10	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
11	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
12	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
13	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
14	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
15	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
16	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
17	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
18	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
19	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
20	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
21	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
22	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
23	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
24	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
25	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
26	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
27	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
28	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
29	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
30	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									
31	1.50000E+04	5.00000E+03	1.00000E+03	7.50000E+02	5.00000E+02	1.00000E+02	4.00000E+01	1.00000E+01	4.38000E+01	1.00000E+01		
	2.00000E+00	4.00000E-01	2.00000E+00	1.00000E+01	4.38000E+01	4.00000E+01	1.00000E+02	4.95000E+02	1.00000E+02	8.00000E+01		
	2.83000E+02	5.00000E+01	1.00000E+01	6.00000E+01	5.00000E+02	1.00000E+01	4.00000E+01	1.00000E+02	5.00000E+02	7.50000E+02		
	1.00000E+03	5.00000E+03	1.50000E+04									

Grid block dimensions in Y-direction m

Layer 1

1	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00
	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00
	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00	2.72800E+00
	2.72800E+00	2.72800E+00	2.72800E+00							
2	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01
	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01
	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01	4.73720E+01
	4.73720E+01	4.73720E+01	4.73720E+01							
3	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02
	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02
	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02	1.39160E+02
	1.39160E+02	1.39160E+02	1.39160E+02							
4	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01
	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01
	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01	5.00000E+01
	5.00000E+01	5.00000E+01	5.00000E+01							
5	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01
	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01
	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01	1.10000E+01
	1.10000E+01	1.10000E+01	1.10000E+01							
6	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01
	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01
	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01	8.50000E-01
	8.50000E-01	8.50000E-01	8.50000E-01							
7	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00
	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00
	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00	1.38000E+00
	1.38000E+00	1.38000E+00	1.38000E+00							
8	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00							
9	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00							
10	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00	1.32080E+00
	1.32080E+00	1.32080E+00	1.32080E+00							
11	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00
	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00
	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00	2.61760E+00
	2.61760E+00	2.61760E+00	2.61760E+00							
12	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01
	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01
	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01	2.70000E-01
	2.70000E-01	2.70000E-01	2.70000E-01							
13	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00
	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00
	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00	4.61000E+00
	4.61000E+00	4.61000E+00	4.61000E+00							
14	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00
	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00
	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00	4.45000E+00
	4.45000E+00	4.45000E+00	4.45000E+00							
15	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01
	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01
	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01	1.80000E-01
	1.80000E-01	1.80000E-01	1.80000E-01							
16	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01
	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01
	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01	2.39000E+01
	2.39000E+01	2.39000E+01	2.39000E+01							
17	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01
	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01
	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01
	5.24200E+01	5.24200E+01	5.24200E+01							
18	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01
	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01
	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01	5.24200E+01
	5.24200E+01	5.24200E+01	5.24200E+01							
19	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01
	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01
	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01
	8.58800E+01	8.58800E+01	8.58800E+01							
20	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01
	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01
	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01	8.58800E+01
	8.58800E+01	8.58800E+01	8.58800E+01							
21	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01
	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01
	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01	4.53400E+01
	4.53400E+01	4.53400E+01	4.53400E+01							
22	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01
	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01
	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01	3.72800E+01
	3.72800E+01	3.72800E+01	3.72800E+01							
23	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01
	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01
	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01	3.60000E+01
	3.60000E+01	3.60000E+01	3.60000E+01							
24	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00
	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00
	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00	7.70000E+00
	7.70000E+00	7.70000E+00	7.70000E+00							
25	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01
	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01
	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01	2.48000E+01
	2.48000E+01	2.48000E+01	2.48000E+01							
26	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00
	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00
	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00	8.50000E+00
	8.50000E+00	8.50000E+00	8.50000E+00							
27	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E-	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01
	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+-1	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01
	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01	1.73000E+01
	1.73000E+01	1.73000E+01	1.73000E+01							

28	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02
	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02
	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02	1.06000E+02
	1.06000E+02	1.06000E+02	1.06000E+02								
29	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01
	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01
	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01	4.33000E+01
	4.33000E+01	4.33000E+01	4.33000E+01								
30	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01
	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01
	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01	1.56600E+01
	1.56600E+01	1.56600E+01	1.56600E+01								
31	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01
	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01
	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01	1.00000E-01
	1.00000E-01	1.00000E-01	1.00000E-01								

Grid block dimensions in Z-direction m

Layer 1

1	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
2	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
3	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
4	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
5	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
6	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
7	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
8	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
9	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
10	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
11	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
12	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
13	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
14	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
15	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
16	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
17	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
18	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
19	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
20	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
21	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
22	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
23	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	

	9.21410E+03	2.17269E+04	6.17269E+04								
24	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
25	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
26	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
27	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
28	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
29	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
30	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								
31	6.13143E+04	2.13143E+04	8.74880E+03	6.56160E+03	3.31430E+03	2.11430E+03	1.83430E+03	1.73430E+03	1.26200E+02	2.88000E+01	
	4.80000E+00	4.00000E-01	4.80000E+00	2.88000E+01	1.26200E+02	1.00000E+01	1.32300E+02	1.43500E+02	1.41600E+02	1.89000E+01	
	1.89000E+01	1.89000E+01	9.50000E+00	2.05000E+01	5.31000E+01	1.25890E+03	1.45890E+03	2.01890E+03	3.92800E+03	6.91060E+03	
	9.21410E+03	2.17269E+04	6.17269E+04								

Grid Block Volumes m^3

Layer 1											
1	2.50898E+09	2.90727E+08	2.38667E+07	1.34250E+07	4.52071E+06	5.76781E+05	2.00159E+05	4.73117E+04	1.50792E+04	7.85664E+02	
	2.51888E+01	4.36480E-01	2.61888E+01	7.85664E+02	1.50792E+04	1.09120E+03	3.60914E+04	1.93777E+05	3.86285E+04	4.12474E+03	
	1.45913E+04	2.57796E+03	2.59160E+02	3.35544E+03	7.24284E+04	3.43428E+04	1.59195E+05	5.50756E+05	5.35779E+06	1.41391E+07	
	2.51361E+07	2.96355E+08	2.52586E+09								
2	4.35687E+10	5.04851E+09	4.14448E+08	2.33127E+08	7.85025E+07	1.00159E+07	3.47578E+06	8.21573E+05	2.61852E+05	1.36431E+04	
	4.54771E+02	7.97952E+00	4.54771E+02	1.36431E+04	2.61852E+05	1.89488E+04	6.26732E+05	3.36495E+06	6.70788E+05	7.16265E+04	
	2.53379E+05	4.47665E+04	4.50034E+03	5.82676E+04	1.25773E+06	5.96366E+05	2.76444E+06	9.56393E+06	9.30386E+07	2.45527E+08	
	4.36490E+08	5.14623E+09	4.38619E+10								
3	1.27987E+11	1.48305E+10	1.21748E+09	6.84834E+08	2.30609E+08	2.94226E+07	1.02104E+07	2.41345E+06	7.69215E+05	4.00781E+04	
	1.33594E+03	2.22656E+01	1.33594E+03	4.00781E+04	7.69215E+05	5.56640E+04	1.84109E+06	9.88488E+06	1.97051E+06	2.10410E+05	
	7.44325E+05	1.31506E+05	1.32202E+04	1.71167E+05	3.69470E+06	1.75189E+06	8.12082E+06	2.80950E+07	2.73310E+08	7.21259E+08	
	1.28223E+09	1.51176E+10	1.28849E+11								
4	4.59857E+10	5.32858E+09	4.37440E+08	2.46060E+08	8.28575E+07	1.05715E+07	3.66860E+06	8.67150E+05	2.76378E+05	1.44000E+04	
	4.80000E+02	8.00000E+00	4.80000E+02	1.44000E+04	2.76378E+05	2.00000E+04	6.61500E+05	3.55163E+06	7.08000E+05	7.56000E+04	
	2.67435E+05	4.72500E+04	4.75000E+03	6.15000E+04	1.32750E+06	6.29450E+05	2.91780E+06	1.00945E+07	9.82000E+07	2.59148E+08	
	4.60705E+08	5.43173E+09	4.62952E+10								
5	1.01169E+10	1.17229E+09	9.62368E+07	5.41332E+07	1.82287E+07	2.32573E+06	8.07092E+05	1.90773E+05	6.08032E+04	3.16800E+03	
	1.05600E+02	1.76000E+00	1.05600E+02	3.16800E+03	6.08032E+04	4.40000E+03	1.45530E+05	7.81358E+05	1.55760E+05	1.66320E+04	
	5.88357E+04	1.03950E+04	1.04500E+03	1.35300E+04	2.92050E+05	1.38479E+05	6.41916E+05	2.22079E+06	2.16040E+07	5.70125E+07	
	1.01355E+08	1.19498E+09	1.01849E+10								
6	7.81757E+08	9.05858E+07	7.43648E+06	4.18302E+06	1.40858E+06	1.79716E+05	6.23662E+04	1.47415E+04	4.69843E+03	2.44800E+02	
	8.16000E+00	1.36000E-01	8.16000E+00	2.44800E+02	4.69843E+03	3.40000E+02	1.12455E+04	6.03776E+04	1.20360E+04	1.28520E+03	
	4.54639E+03	8.03250E+02	8.07500E+01	1.04550E+03	2.25675E+04	1.07007E+04	4.96026E+04	1.71607E+05	1.66940E+06	4.40551E+06	
	7.83199E+06	9.23393E+07	7.87018E+08								
7	1.26921E+09	1.47069E+08	1.20733E+07	6.79126E+06	2.28687E+06	2.91773E+05	1.01253E+05	2.39333E+04	7.62803E+03	3.97440E+02	
	1.32480E+01	2.20800E-01	1.32480E+01	3.97440E+02	7.62803E+03	5.52000E+02	1.82574E+04	9.80248E+04	1.95408E+04	2.08656E+03	
	7.38121E+03	1.30410E+03	1.31100E+02	1.69740E+03	3.66390E+04	1.73728E+04	8.05313E+04	2.78608E+05	2.71032E+06	7.15247E+06	
	1.27155E+07	1.49916E+08	1.27775E+09								
8	1.21476E+09	1.40760E+08	1.15554E+07	6.49992E+06	2.18876E+06	2.79257E+05	9.69097E+04	2.29066E+04	7.30080E+03	3.80390E+02	
	1.26797E+01	2.11328E-01	1.26797E+01	3.80390E+02	7.30080E+03	5.28320E+02	1.74742E+04	9.38197E+04	1.87025E+04	1.99705E+03	
	7.06456E+03	1.24816E+03	1.25476E+02	1.62458E+03	3.50672E+04	1.66276E+04	7.70766E+04	2.66656E+05	2.59405E+06	6.84564E+06	
	1.21700E+07	1.43484E+08	1.22293E+09								
9	1.21476E+09	1.40760E+08	1.15554E+07	6.49992E+06	2.18876E+06	2.79257E+05	9.69097E+04	2.29066E+04	7.30080E+03	3.80390E+02	
	1.26797E+01	2.11328E-01	1.26797E+01	3.80390E+02	7.30080E+03	5.28320E+02	1.74742E+04	9.38197E+04	1.87025E+04	1.99705E+03	
	7.06456E+03	1.24816E+03	1.25476E+02	1.62458E+03	3.50672E+04	1.66276E+04	7.70766E+04	2.66656E+05	2.59405E+06	6.84564E+06	
	1.21700E+07	1.43484E+08	1.22293E+09								
10	1.21476E+09	1.40760E+08	1.15554E+07	6.49992E+06	2.18876E+06	2.79257E+05	9.69097E+04	2.29066E+04	7.30080E+03	3.80390E+02	
	1.26797E+01	2.11328E-01	1.26797E+01	3.80390E+02	7.30080E+03	5.28320E+02	1.74742E+04	9.38197E+04	1.87025E+04	1.99705E+03	
	7.06456E+03	1.24816E+03	1.25476E+02	1.62458E+03	3.50672E+04	1.66276E+04	7.70766E+04	2.66656E+05	2.59405E+06	6.84564E+06	
	1.21700E+07	1.43484E+08	1.22293E+09								
11	2.40744E+09	2.78962E+08	2.29009E+07	1.28817E+07	4.33776E+06	5.53439E+05	1.92059E+05	4.53970E+04	1.44689E+04	7.53869E+02	
	2.51290E+01	4.18816E-01	2.51290E+01	7.53869E+02	1.44689E+04	1.04704E+03	3.46308E+04	1.85935E+05	3.70652E+04	3.95781E+03	
	1.40008E+04	2.47363E+03	2.48672E+02	3.21965E+03	6.94973E+04	3.29530E+04	1.52753E+05	5.28467E+05	5.14097E+06	1.35669E+07	
	2.41188E+07	2.84362E+08	2.42365E+09								
12	2.48323E+08	2.87743E+07	2.36218E+06	1.32872E+06	4.47431E+05	5.70861E+04	1.98104E+04	4.68261E+03	1.49244E+03	7.77600E+01	
	2.59200E+00	4.32000E-02	2.59200E+00	7.77600E+01	1.49244E+03	1.08000E+02	3.57210E+03	1.91788E+04	3.82320E+03	4.08240E+02	
	1.44415E+03	2.55150E+02	2.56500E+01	3.32100E+02	7.16850E+03	3.39903E+03	1.57561E+04	5.45103E+04	5.30280E+05	1.39940E+06	
	2.48781E+06	2.93313E+07	2.49994E+08								
13	4.23988E+09	4.91295E+08	4.03320E+07	2.26867E+07	7.63946E+06	9.74692E+05	3.38245E+05	7.99512E+04	2.54821E+04	1.32768E+03	
	4.42560E+01	7.37600E-01	4.42560E+01	1.32768E+03	2.54821E+04	1.84400E+03	6.09903E+04	3.27460E+05	6.52776E+04	6.97032E+03	
	2.46575E+04	4.35645E+03	4.37950E+02	5.67030E+03	1.22396E+05	5.80353E+04	2.69021E+05	9.30713E+05	9.05404E+06	2.38934E+07	
	4.24770E+07	5.00805E+08	4.26842E+09								
14	4.09273E+09	4.74243E+08	3.89322E+07	2.18993E+07	7.37432E+06	9.40864E+05	3.26505E+05	7.71763E+04	2.45976E+04	1.28160E+03	
	4.27200E+01	7.12000E-01	4.27200E+01	1.28160E+03	2.45976E+04	1.78000E+03	5.88735E+04	3.16095E+05	6.30120E+04	6.72840E+03	
	2.38017E+04	4.20525E+03	4.22750E+02	5.47350E+03	1.18148E+05	5.60211E+04	2.59684E+05	8.98411E+05	8.73980E+06	2.30641E+07	
	4.10027E+07	4.83424E+08	4.12027E+09								
15	1.65549E+08	1.91829E+07	1.57478E+06	8.85816E+05	2.98287E+05	3.80574E+04	1.32070E+04	3.12174E+03	9.94961E+02	5.18400E+01	
	1.72800E+00	2.88000E-02	1.72800E+00	5.18400E+01	9.94961E+02	7.20000E+01	2.38140E+03	1.27858E+04	2.54880E+03	2.72160E+02	
	9.62766E+02	1.70100E+02	1.71000E+01	2.21400E+02	4.77900E+03	2.26602E+03	1.05041E+04	3.63402E+04	3.53520E+05	9.32931E+05	
	1.65854E+06	1.95542E+07	1.66663E+08								
16	2.19812E+10	2.54706E+09	2.09096E+08	1.17617E+08	3.96059E+07	5.05316E+06	1.75359E+06	4.14498E+05	1.32109E+05	6.88320E+03	
	2.29440E+02	3.82400E+00	2.29440E+02	6.88320E+03	1.32109E+05	9.56000E+03	3.16197E+05	1.69768E+06	3.38424E+05	3.61368E+04	
	1.27834E+05	2.25855E+04	2.27050E+03	2.93970E+04	6.34545E+05	3.00877E+05	1.39471E+06	4.82517E+06	4.69396E+07	1.23873E+08	
	2.20217E+08	2.59636E+09	2.21291E+10								
17	4.82114E+10	5.58648E+09	4.58612E+08	2.57969E+08	8.68678E+07	1.10832E+07	3.84616E+06	9.09120E+05	2.89755E+05	1.50970E+04	
	5.03232E+02	8.38720E+00	5.03232E+02	1.50970E+04	2.89755E+05	2.09680E+04	6.93517E+05	3.72352E+06	7.42267E+05	7.92590E+04	
	2.80379E+05	4.95369E+04	4.97990E+03	6.44766E+04	1.39175E+06	6.59915E+05	3.05902E+06	1.05831E+07	1.02953E+08	2.71690E+08	
	4.83003E+08	5.69462E+09	4.85359E+10								
18	4.82114E+10	5.58648E+09	4.58612E+08	2.57969E+08	8.68678E+07	1.10832E+07	3.84616E+06	9.09120E+05	2.89755E+05	1.50970E+04	
	5.03232E+02	8.38720E+00	5.03232E+02	1.50970E+04	2.89755E+05	2.09680E+04	6.93517E+05	3.72352E+06	7.42267E+05	7.92590E+04	
	2.80379E+05	4.95369E+04	4.97990E+03	6.44766E+04	1.39175E+06	6.59915E+05	3.05902E+06	1.05831E+07	1.02953E+08	2.71690E+08	
	4.83003E+08	5.69462E+09	4.85359E+10								
19	7.89851E+10	9.15236E+09	7.51347E+08	4.22633E+08	1.42316E+08	1.81576E+07	6.30119E+06	1.48942E+06	4.74707E+05	2.47334E+04	
	8.24448E+02	1.37408E+01	8.24448E+02	2.47334E+04	4.74707E+05	3.43520E+04	1.13619E+06	6.10027E+06	1.21606E+06	1.29851E+05	

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    4.59346E+05  8.11566E+04  8.15860E+03  1.05632E+05  2.28011E+06  1.08114E+06  5.01161E+06  1.73383E+07  1.68668E+08  4.45112E+08
    7.91307E+08  9.32953E+09  7.95166E+10
20  7.89851E+10  9.15236E+09  7.51347E+08  4.22633E+08  1.42316E+08  1.81576E+07  6.30119E+06  1.48942E+06  4.74707E+05  2.47334E+04
    8.24448E+02  1.37408E+01  8.24448E+02  2.47334E+04  4.74707E+05  3.43520E+04  1.13619E+06  6.10027E+06  1.21606E+06  1.29851E+05
    4.59346E+05  8.11566E+04  8.15860E+03  1.05632E+05  2.28011E+06  1.08114E+06  5.01161E+06  1.73383E+07  1.68668E+08  4.45112E+08
    7.91307E+08  9.32953E+09  7.95166E+10
21  4.16999E+10  4.83195E+09  3.96671E+08  2.23127E+08  7.51352E+07  9.58624E+06  3.32669E+06  7.86332E+05  2.50620E+05  1.30579E+04
    4.35264E+02  7.25440E+00  4.35264E+02  1.30579E+04  2.50620E+05  1.81360E+04  5.99848E+05  3.22061E+06  6.42014E+05  6.85541E+04
    2.42510E+05  4.28463E+04  4.30730E+03  5.57682E+04  1.20378E+06  5.70785E+05  2.64586E+06  9.15369E+06  8.90478E+07  2.34995E+08
    4.17767E+08  4.92549E+09  4.19805E+10
22  3.42870E+10  3.97299E+09  3.26155E+08  1.83462E+08  6.17786E+07  7.88211E+06  2.73531E+06  6.46547E+05  2.06067E+05  1.07366E+04
    3.57888E+02  5.96480E+00  3.57888E+02  1.07366E+04  2.06067E+05  1.49120E+04  4.93214E+05  2.64809E+06  5.27885E+05  5.63674E+04
    1.99400E+05  3.52296E+04  3.54160E+03  4.58544E+04  9.89784E+05  4.69318E+05  2.17551E+06  7.52646E+06  7.32179E+07  1.93220E+08
    3.43502E+08  4.04989E+09  3.45177E+10
23  3.31097E+10  3.83657E+09  3.14957E+08  1.77163E+08  5.96574E+07  7.61148E+06  2.64139E+06  6.24348E+05  1.98992E+05  1.03680E+04
    3.45600E+02  5.76000E+00  3.45600E+02  1.03680E+04  1.98992E+05  1.44000E+04  4.76280E+05  2.55717E+06  5.09760E+05  5.44320E+04
    1.92553E+05  3.40200E+04  3.42000E+03  4.42800E+04  9.55800E+05  4.53204E+05  2.10082E+06  7.26804E+06  7.07040E+07  1.86586E+08
    3.31708E+08  3.91084E+09  3.33325E+10
24  7.08180E+09  8.20601E+08  6.73658E+07  3.78932E+07  1.27601E+07  1.62801E+06  5.64964E+05  1.33541E+05  4.25622E+04  2.21760E+03
    7.39200E+01  1.23200E+00  7.39200E+01  2.21760E+03  4.25622E+04  3.08000E+03  1.01871E+05  5.46950E+05  1.09032E+05  1.16424E+04
    4.11850E+04  7.27650E+03  7.31500E+02  9.47100E+03  2.04435E+05  9.69353E+04  4.49341E+05  1.55455E+06  1.51228E+07  3.99087E+07
    7.09486E+07  8.36486E+08  7.12946E+09
25  2.28089E+10  2.64297E+09  2.16970E+08  1.22046E+08  4.10973E+07  5.24346E+06  1.81963E+06  4.30106E+05  1.37083E+05  7.14240E+03
    2.38080E+02  3.96800E+00  2.38080E+02  7.14240E+03  1.37083E+05  9.92000E+03  3.28104E+05  1.76161E+06  3.51168E+05  3.74976E+04
    1.32648E+05  2.34360E+04  2.35600E+03  3.05040E+04  6.58440E+05  3.12207E+05  1.44723E+06  5.00687E+06  4.87072E+07  1.28537E+08
    2.28510E+08  2.69414E+09  2.29624E+10
26  7.81757E+09  9.05858E+08  7.43648E+07  4.18302E+07  1.40858E+07  1.79716E+06  6.23662E+05  1.47416E+05  4.69843E+04  2.44800E+03
    8.16000E+01  1.36000E+00  8.16000E+01  2.44800E+03  4.69843E+04  3.40000E+03  1.12455E+05  6.03776E+05  1.20360E+05  1.28520E+04
    4.54639E+04  8.03250E+03  8.07500E+02  1.04550E+04  2.25675E+05  1.07007E+05  4.96026E+05  1.71607E+06  1.66940E+07  4.40551E+07
    7.83199E+07  9.23393E+08  7.87018E+09
27  1.59111E+10  1.84369E+09  1.51354E+08  8.51368E+07  2.86687E+07  3.65774E+06  1.26934E+06  3.00034E+05  9.56268E+04  4.98240E+03
    1.66080E+02  2.76800E+00  1.66080E+02  4.98240E+03  9.56268E+04  6.92000E+03  2.28879E+05  1.22886E+06  2.44968E+05  2.61576E+04
    9.25325E+04  1.63485E+04  1.64350E+03  2.12790E+04  4.59315E+05  2.17790E+05  1.00956E+06  3.49270E+06  3.39772E+07  8.96650E+07
    1.59404E+08  1.87938E+09  1.60181E+10
28  9.74897E+10  1.12966E+10  9.27373E+08  5.21647E+08  1.75658E+08  2.24116E+07  7.77743E+06  1.83836E+06  5.85921E+05  3.05280E+04
    1.01760E+03  1.69600E+01  1.01760E+03  3.05280E+04  5.85921E+05  4.24000E+04  1.40238E+06  7.52945E+06  1.50096E+06  1.60272E+05
    5.66962E+05  1.00170E+05  1.00700E+04  1.30380E+05  2.81430E+06  1.33443E+06  6.18574E+06  2.14003E+07  2.08184E+08  5.49393E+08
    9.76695E+08  1.15153E+10  9.81458E+10
29  3.98236E+10  4.61455E+09  3.78823E+08  2.13088E+08  7.17546E+07  9.15492E+06  3.17701E+06  7.50952E+05  2.39343E+05  1.24704E+04
    4.15680E+02  6.92800E+00  4.15680E+02  1.24704E+04  2.39343E+05  1.73200E+04  5.72859E+05  3.07571E+06  6.13128E+05  6.54696E+04
    2.31599E+05  4.09185E+04  4.11350E+03  5.32590E+04  1.14962E+06  5.45104E+05  2.52681E+06  8.74184E+06  8.50412E+07  2.24422E+08
    3.98971E+08  4.70387E+09  4.00916E+10
30  1.44027E+10  1.66891E+09  1.37006E+08  7.70660E+07  2.59510E+07  3.31099E+06  1.14901E+06  2.71591E+05  8.65616E+04  4.51008E+03
    1.50336E+02  2.50560E+00  1.50336E+02  4.51008E+03  8.65616E+04  6.26400E+03  2.07182E+05  1.11237E+06  2.21746E+05  2.36779E+04
    8.37606E+04  1.47987E+04  1.48770E+03  1.92618E+04  4.15773E+05  1.97144E+05  9.13855E+05  3.16160E+06  3.07562E+07  8.11650E+07
    1.44293E+08  1.70122E+09  1.44996E+10
31  9.19715E+07  1.06572E+07  8.74880E+05  4.92120E+05  1.65715E+05  2.11430E+04  7.33720E+03  1.73430E+03  5.52756E+02  2.88000E+01
    9.60000E-01  1.60000E-02  9.60000E-01  2.88000E+01  5.52756E+02  4.00000E+01  1.32300E+03  7.10325E+03  1.41600E+03  1.51200E+02
    5.34870E+02  9.45000E+01  9.50000E+00  1.23000E+02  2.65500E+03  1.25890E+03  5.83560E+03  2.01890E+04  1.96400E+05  5.18295E+05
    9.21410E+05  1.08635E+07  9.25904E+07

*************************************************************************
    Elapsed Time
     0.000000E+00 sec = 0.000000E+00 day = 0.000000E+00 yr
    DELT
     5.231209E+06 sec = 6.054640E+01 day = 1.657706E-01 yr
    Time Step Number  =   391
    Total Newton-Raphson Iterations          =   1321
    Avg Newton-Raphson Iterations/Time Step  =  3.379
    CPU Time (this time step) =      6.52 sec =  0.00181 hr
    CPU Time (total for run)  =  3865.68 sec =  1.07380 hr
*************************************************************************

    Cumulative Mass Balance
       Brine:  -3.834158E-18
       Gas:    -1.099778E-15

    Maximum Relative Mass Balance (Current Time Step)
       Brine:   1.151902E-06 at (I,J,K) =   20   12    1
       Gas:    -4.896622E-04 at (I,J,K) =   20   12    1
-------------------------------------------------------------------------------------------------------------------------------------
 Brine pressure                                    Pa
    Layer   1
  1 1.55023E+07  1.55023E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07
    1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07
    1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07
    1.27000E+07  1.55023E+07  1.55023E+07
  2 1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07
    1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07
    1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07
    1.52006E+07  1.52006E+07  1.52006E+07
  3 1.74745E+07  1.53729E+07  1.47424E+07  1.45585E+07  1.44272E+07  1.43642E+07  1.43494E+07  1.43442E+07  1.43385E+07  1.43329E+07
    1.43316E+07  1.43314E+07  1.43311E+07  1.43299E+07  1.43242E+07  1.43154E+07  1.43007E+07  1.42382E+07  1.41756E+07  1.41567E+07
    1.41186E+07  1.40836E+07  1.40773E+07  1.40699E+07  1.40111E+07  1.39575E+07  1.39522E+07  1.39375E+07  1.38745E+07  1.37431E+07
    1.35593E+07  1.29288E+07  1.08272E+07
  4 1.63357E+07  1.42342E+07  1.36037E+07  1.34198E+07  1.32885E+07  1.32254E+07  1.32107E+07  1.32054E+07  1.31998E+07  1.31941E+07
    1.31928E+07  1.31926E+07  1.31923E+07  1.31911E+07  1.31854E+07  1.31766E+07  1.31619E+07  1.30994E+07  1.30369E+07  1.30179E+07
    1.29798E+07  1.29448E+07  1.29385E+07  1.29312E+07  1.28723E+07  1.28187E+07  1.28135E+07  1.27988E+07  1.27357E+07  1.26044E+07
    1.24205E+07  1.17900E+07  9.68846E+06
  5 1.59685E+07  1.38670E+07  1.32365E+07  1.30526E+07  1.29213E+07  1.28582E+07  1.28382E+07  1.27728E+07  1.27269E+07  1.27212E+07
    1.27199E+07  1.27197E+07  1.27194E+07  1.27182E+07  1.27126E+07  1.27039E+07  1.26893E+07  1.26270E+07  1.25650E+07  1.25466E+07
    1.25106E+07  1.24776E+07  1.24717E+07  1.24642E+07  1.24051E+07  1.23969E+07  1.24421E+07  1.24315E+07  1.23685E+07  1.22372E+07
    1.20533E+07  1.14228E+07  9.32126E+06
  6 1.58972E+07  1.37956E+07  1.31652E+07  1.29813E+07  1.28499E+07  1.27806E+07  1.23350E+07  9.48755E+06  8.30625E+06  8.30057E+06
    8.29931E+06  8.29906E+06  8.29881E+06  8.29755E+06  8.29189E+06  8.28311E+06  8.26841E+06  8.20585E+06  8.14332E+06  8.12447E+06
    8.08662E+06  8.05192E+06  1.01325E+05  8.03831E+06  7.97940E+06  9.40563E+06  1.20081E+07  1.23555E+07  1.22972E+07  1.21659E+07
    1.19820E+07  1.13515E+07  9.24993E+06
  7 1.58838E+07  1.37822E+07  1.31517E+07  1.29678E+07  1.28365E+07  1.27714E+07  1.25661E+07  1.06790E+07  8.29279E+06  8.28712E+06
    8.28586E+06  8.28561E+06  8.28537E+06  8.28411E+06  8.27845E+06  8.26966E+06  8.25497E+06  8.19240E+06  8.12988E+06  8.11102E+06
    8.07318E+06  8.03847E+06  1.01325E+05  8.02486E+06  7.96595E+06  1.05761E+07  1.22061E+07  1.23453E+07  1.22838E+07  1.21524E+07
    1.19685E+07  1.13381E+07  9.23650E+06
  8 1.58675E+07  1.37659E+07  1.31355E+07  1.29516E+07  1.28202E+07  1.27569E+07  1.27036E+07  1.20693E+07  1.01325E+05  1.01325E+05
    1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05
    1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.17875E+07  1.23148E+07  1.23303E+07  1.22675E+07  1.21362E+07
    1.19523E+07  1.13218E+07  9.22024E+06
  9 1.58516E+07  1.37500E+07  1.31196E+07  1.29357E+07  1.28043E+07  1.27412E+07  1.27196E+07  1.24667E+07  1.01325E+05  1.01325E+05
    1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05
    1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.01325E+05  1.21129E+07  1.23240E+07  1.23146E+07  1.22516E+07  1.21203E+07
    1.19364E+07  1.13059E+07  9.20434E+06
 10 1.58357E+07  1.37341E+07  1.31037E+07  1.29198E+07  1.27884E+07  1.27253E+07  1.27048E+07  1.24447E+07  1.01325E+05  1.01325E+05
```

	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.20918E+07	1.23089E+07	1.22987E+07	1.22357E+07	1.21044E+07
	1.19205E+07	1.12900E+07	9.18844E+06							
11	1.58120E+07	1.37104E+07	1.30800E+07	1.28961E+07	1.27647E+07	1.27015E+07	1.26541E+07	1.19061E+07	8.22029E+06	8.21523E+06
	8.21395E+06	8.21362E+06	8.21330E+06	8.21202E+06	8.20608E+06	8.19774E+06	8.18312E+06	8.12063E+06	8.05842E+06	8.03949E+06
	8.00172E+06	7.96675E+06	1.01325E+05	7.95300E+06	7.89426E+06	1.16407E+07	1.22636E+07	1.22749E+07	1.22120E+07	1.20807E+07
	1.18968E+07	1.12663E+07	9.16473E+06							
12	1.57946E+07	1.36930E+07	1.30626E+07	1.28787E+07	1.27473E+07	1.26831E+07	1.25257E+07	1.02881E+07	8.20219E+06	8.19781E+06
	8.19654E+06	8.19611E+06	8.19564E+06	8.19438E+06	8.18813E+06	8.18027E+06	8.16574E+06	8.10334E+06	8.04151E+06	8.02262E+06
	7.98479E+06	7.94951E+06	1.01325E+05	7.93560E+06	7.87703E+06	1.02007E+07	1.21517E+07	1.22567E+07	1.21946E+07	1.20633E+07
	1.18794E+07	1.12489E+07	9.14735E+06							
13	1.57652E+07	1.36637E+07	1.30332E+07	1.28493E+07	1.27180E+07	1.26548E+07	1.26279E+07	1.22585E+07	8.17157E+06	8.16783E+06
	8.16729E+06	8.16654E+06	8.16579E+06	8.16458E+06	8.15778E+06	8.15076E+06	8.13637E+06	8.07412E+06	8.03406E+06	8.02077E+06
	7.96865E+06	7.92041E+06	1.01325E+05	7.90619E+06	7.84942E+06	1.19236E+07	1.22332E+07	1.22282E+07	1.21652E+07	1.20339E+07
	1.18500E+07	1.12195E+07	9.11797E+06							
14	1.57107E+07	1.36091E+07	1.29787E+07	1.27948E+07	1.26634E+07	1.26004E+07	1.25846E+07	1.24420E+07	8.16931E+06	8.16764E+06
	8.16631E+06	8.16367E+06	8.16102E+06	8.15936E+06	8.15732E+06	8.13049E+06	8.09631E+06	8.06048E+06	8.03379E+06	8.02049E+06
	7.96833E+06	7.88461E+06	1.01325E+05	7.85158E+06	7.84914E+06	1.20725E+07	1.21880E+07	1.21737E+07	1.21107E+07	1.19794E+07
	1.17955E+07	1.11650E+07	9.06343E+06							
15	1.56828E+07	1.35812E+07	1.29508E+07	1.27669E+07	1.26355E+07	1.25724E+07	1.25464E+07	1.23902E+07	8.14166E+06	8.13990E+06
	8.13857E+06	8.13593E+06	8.13328E+06	8.13162E+06	8.12958E+06	8.10275E+06	8.06856E+06	8.03273E+06	8.00601E+06	7.99272E+06
	7.94056E+06	7.85684E+06	1.01325E+05	7.82382E+06	7.82140E+06	1.21000E+07	1.21568E+07	1.21458E+07	1.20828E+07	1.19515E+07
	1.17676E+07	1.11371E+07	9.03556E+06							
16	1.55378E+07	1.34363E+07	1.28058E+07	1.26219E+07	1.24906E+07	1.24275E+07	1.24128E+07	1.24071E+07	1.23797E+07	1.23740E+07
	1.23728E+07	1.23725E+07	1.23722E+07	1.23710E+07	1.23653E+07	1.23565E+07	1.23417E+07	1.22792E+07	1.22168E+07	1.21980E+07
	1.21603E+07	1.21208E+07	1.01325E+05	1.21087E+07	1.20533E+07	1.20207E+07	1.20156E+07	1.20009E+07	1.19379E+07	1.18065E+07
	1.16226E+07	1.09922E+07	8.89060E+06							
17	1.50784E+07	1.29768E+07	1.23464E+07	1.21625E+07	1.20311E+07	1.19681E+07	1.19534E+07	1.19481E+07	1.19425E+07	1.19368E+07
	1.19356E+07	1.19353E+07	1.19351E+07	1.19338E+07	1.19281E+07	1.19193E+07	1.19046E+07	1.18421E+07	1.17796E+07	1.17607E+07
	1.17225E+07	1.16827E+07	1.01325E+05	1.16705E+07	1.16150E+07	1.15614E+07	1.15562E+07	1.15415E+07	1.14784E+07	1.13471E+07
	1.11632E+07	1.05327E+07	8.43116E+06							
18	1.44473E+07	1.23457E+07	1.17152E+07	1.15314E+07	1.14000E+07	1.13370E+07	1.13222E+07	1.13170E+07	1.13113E+07	1.13057E+07
	1.13044E+07	1.13042E+07	1.13039E+07	1.13027E+07	1.12970E+07	1.12882E+07	1.12735E+07	1.12110E+07	1.11484E+07	1.11295E+07
	1.10914E+07	1.10516E+07	1.01325E+05	1.10394E+07	1.09839E+07	1.09303E+07	1.09251E+07	1.09103E+07	1.08473E+07	1.07159E+07
	1.05321E+07	9.90159E+06	7.80003E+06							
19	1.36147E+07	1.15132E+07	1.08827E+07	1.06988E+07	1.05674E+07	1.05044E+07	1.04897E+07	1.04844E+07	1.04788E+07	1.04731E+07
	1.04719E+07	1.04716E+07	1.04714E+07	1.04701E+07	1.04645E+07	1.04556E+07	1.04409E+07	1.03784E+07	1.03159E+07	1.02970E+07
	1.02588E+07	1.02191E+07	1.01325E+05	1.02069E+07	1.01513E+07	1.00977E+07	1.00925E+07	1.00778E+07	1.00147E+07	9.88339E+06
	9.69951E+06	9.06904E+06	6.96747E+06							
20	1.25807E+07	1.04792E+07	9.84871E+06	9.66482E+06	9.53347E+06	9.47042E+06	9.45571E+06	9.45046E+06	9.44481E+06	9.43915E+06
	9.43789E+06	9.43764E+06	9.43739E+06	9.43613E+06	9.43047E+06	9.42167E+06	9.40696E+06	9.34443E+06	9.28191E+06	9.26300E+06
	9.22486E+06	9.18529E+06	1.01325E+05	9.17303E+06	9.11736E+06	9.06377E+06	9.05852E+06	9.04380E+06	8.98076E+06	8.84941E+06
	8.66552E+06	8.03505E+06	5.93349E+06							
21	1.17908E+07	9.68924E+06	9.05877E+06	8.87488E+06	8.74353E+06	8.68049E+06	8.66578E+06	8.66052E+06	8.65487E+06	8.64922E+06
	8.64795E+06	8.64770E+06	8.64745E+06	8.64619E+06	8.64054E+06	8.63173E+06	8.61702E+06	8.55450E+06	8.49198E+06	8.47306E+06
	8.43492E+06	8.39549E+06	1.01325E+05	8.38318E+06	8.32742E+06	8.27383E+06	8.26858E+06	8.25387E+06	8.19082E+06	8.05947E+06
	7.87559E+06	7.24512E+06	5.14355E+06							
22	1.12934E+07	9.19187E+06	8.56140E+06	8.37751E+06	8.24617E+06	8.18312E+06	8.16841E+06	8.16315E+06	8.15750E+06	8.15185E+06
	8.15059E+06	8.15034E+06	8.15008E+06	8.14882E+06	8.14317E+06	8.13436E+06	8.11965E+06	8.05713E+06	7.99461E+06	7.97569E+06
	7.93755E+06	7.89820E+06	1.01325E+05	7.88587E+06	7.83006E+06	7.77647E+06	7.77121E+06	7.75650E+06	7.69345E+06	7.56211E+06
	7.37822E+06	6.74775E+06	4.64618E+06							
23	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	1.01325E+05	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	2.29653E+06							
24	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05
	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05
	8.52000E+05	8.52000E+05	1.01325E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05
	8.52000E+05	8.52000E+05	8.52000E+05							
25	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	1.01325E+05	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	1.83774E+06							
26	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05
	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05
	9.00000E+05	9.00000E+05	1.01325E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05	9.00000E+05
	9.00000E+05	9.00000E+05	9.00000E+05							
27	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06
	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06
	1.48191E+06	1.48191E+06	1.01325E+05	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06
	1.48191E+06	1.48191E+06	1.48191E+06							
28	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05
	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05
	7.39535E+05	7.39535E+05	1.01325E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05
	7.39535E+05	7.39535E+05	7.39535E+05							
29	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05							
30	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05							
31	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05							

Gas pressure Pa

Layer 1										
1	1.55023E+07	1.55023E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07
	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07
	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07
	1.27022E+07	1.55023E+07	1.55023E+07							
2	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07
	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07
	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07
	1.52006E+07	1.52006E+07	1.52006E+07							
3	2.30398E+07	2.09382E+07	2.03077E+07	2.01238E+07	1.99925E+07	1.99294E+07	1.99147E+07	1.99095E+07	1.99038E+07	1.98982E+07
	1.98969E+07	1.98967E+07	1.98964E+07	1.98951E+07	1.98895E+07	1.98807E+07	1.98660E+07	1.98035E+07	1.97409E+07	1.97220E+07
	1.96839E+07	1.96489E+07	1.96426E+07	1.96352E+07	1.95764E+07	1.95228E+07	1.95175E+07	1.95028E+07	1.94398E+07	1.93084E+07
	1.91245E+07	1.84941E+07	1.63925E+07							
4	2.19010E+07	1.97995E+07	1.91690E+07	1.89851E+07	1.88538E+07	1.87907E+07	1.87760E+07	1.87707E+07	1.87650E+07	1.87594E+07
	1.87581E+07	1.87579E+07	1.87576E+07	1.87564E+07	1.87507E+07	1.87419E+07	1.87272E+07	1.86647E+07	1.86022E+07	1.85832E+07
	1.85451E+07	1.85101E+07	1.85038E+07	1.84965E+07	1.84376E+07	1.83840E+07	1.83788E+07	1.83641E+07	1.83010E+07	1.81697E+07
	1.79858E+07	1.73553E+07	1.52538E+07							
5	2.15338E+07	1.94322E+07	1.88018E+07	1.86179E+07	1.84865E+07	1.84234E+07	1.84035E+07	1.83381E+07	1.82921E+07	1.82865E+07
	1.82852E+07	1.82850E+07	1.82847E+07	1.82835E+07	1.82779E+07	1.82692E+07	1.82545E+07	1.81923E+07	1.81303E+07	1.81119E+07
	1.80759E+07	1.80429E+07	1.80370E+07	1.80295E+07	1.79704E+07	1.79622E+07	1.80074E+07	1.79968E+07	1.79338E+07	1.78025E+07
	1.76186E+07	1.69881E+07	1.48866E+07							

6	1.59487E+07	1.38472E+07	1.32167E+07	1.30328E+07	1.29015E+07	1.28322E+07	1.23865E+07	9.53910E+06	8.30625E+06	8.30057E+06
	8.29931E+06	8.29906E+06	8.29881E+06	8.29755E+06	8.29189E+06	8.28311E+06	8.26841E+06	8.20585E+06	8.14332E+06	8.12447E+06
	8.08662E+06	8.05192E+06	1.60133E+06	8.03831E+06	7.97940E+06	9.45718E+06	1.20596E+07	1.24071E+07	1.23488E+07	1.22174E+07
	1.20335E+07	1.14031E+07	9.30149E+06							
7	2.14490E+07	1.93475E+07	1.87170E+07	1.85331E+07	1.84018E+07	1.83367E+07	1.81314E+07	1.62443E+07	8.29279E+06	8.28712E+06
	8.28586E+06	8.28561E+06	8.28537E+06	8.28411E+06	8.27845E+06	8.26966E+06	8.25497E+06	8.19240E+06	8.12988E+06	8.11102E+06
	8.07318E+06	8.03847E+06	1.60133E+06	8.02486E+06	7.96595E+06	1.61414E+07	1.77714E+07	1.79106E+07	1.78491E+07	1.77177E+07
	1.75338E+07	1.69034E+07	1.48018E+07							
8	2.14328E+07	1.93312E+07	1.87008E+07	1.85169E+07	1.83855E+07	1.83222E+07	1.82689E+07	1.76346E+07	1.05708E+05	1.05708E+05
	1.05708E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.01325E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.60133E+06	1.01325E+05	1.01325E+05	1.73528E+07	1.78801E+07	1.78956E+07	1.78328E+07	1.77015E+07
	1.75176E+07	1.68871E+07	1.47855E+07							
9	2.14169E+07	1.93153E+07	1.86849E+07	1.85010E+07	1.83696E+07	1.83065E+07	1.82849E+07	1.80320E+07	1.05708E+05	1.05708E+05
	1.05708E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.01325E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.60133E+06	1.01325E+05	1.01325E+05	1.76782E+07	1.78893E+07	1.78799E+07	1.78169E+07	1.76856E+07
	1.75017E+07	1.68712E+07	1.47696E+07							
10	2.14010E+07	1.92994E+07	1.86690E+07	1.84851E+07	1.83537E+07	1.82906E+07	1.82701E+07	1.80100E+07	1.05708E+05	1.05708E+05
	1.05708E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.01325E+05	1.05708E+05	1.05708E+05	1.05708E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.60133E+06	1.01325E+05	1.01325E+05	1.76571E+07	1.78742E+07	1.78640E+07	1.78010E+07	1.76697E+07
	1.74858E+07	1.68553E+07	1.47517E+07							
11	2.13773E+07	1.92757E+07	1.86452E+07	1.84614E+07	1.83300E+07	1.82668E+07	1.82194E+07	1.74714E+07	8.22029E+06	8.21523E+06
	8.21395E+06	8.21362E+06	8.21330E+06	8.21202E+06	8.20608E+06	8.19774E+06	8.18312E+06	8.12063E+06	8.05842E+06	8.03949E+06
	8.00172E+06	7.96675E+06	1.60133E+06	7.95300E+06	7.89426E+06	1.72060E+07	1.78289E+07	1.78402E+07	1.77773E+07	1.76460E+07
	1.74621E+07	1.68316E+07	1.47300E+07							
12	1.58462E+07	1.37446E+07	1.31141E+07	1.29302E+07	1.27989E+07	1.27346E+07	1.25773E+07	1.03397E+07	8.20219E+06	8.19781E+06
	8.19654E+06	8.19611E+06	8.19564E+06	8.19438E+06	8.18813E+06	8.18027E+06	8.16574E+06	8.10334E+06	8.04151E+06	8.02262E+06
	7.98479E+06	7.94951E+06	1.60133E+06	7.93560E+06	7.87703E+06	1.02522E+07	1.22032E+07	1.23083E+07	1.22462E+07	1.21148E+07
	1.19309E+07	1.13005E+07	9.19891E+06							
13	2.13305E+07	1.92290E+07	1.85985E+07	1.84146E+07	1.82833E+07	1.82201E+07	1.81931E+07	1.78238E+07	8.17157E+06	8.16783E+06
	8.16729E+06	8.16654E+06	8.16579E+06	8.16458E+06	8.15778E+06	8.15076E+06	8.13637E+06	8.07412E+06	8.01406E+06	8.02077E+06
	7.96865E+06	7.92041E+06	1.60133E+06	7.90619E+06	7.84942E+06	1.74989E+07	1.77985E+07	1.77935E+07	1.77305E+07	1.75992E+07
	1.74153E+07	1.67848E+07	1.46833E+07							
14	2.12760E+07	1.91744E+07	1.85439E+07	1.83601E+07	1.82287E+07	1.81657E+07	1.81499E+07	1.80073E+07	8.16931E+06	8.16764E+06
	8.16631E+06	8.16367E+06	8.16102E+06	8.15936E+06	8.15722E+06	8.13049E+06	8.09631E+06	8.06048E+06	8.03379E+06	8.02049E+06
	7.96833E+06	7.88461E+06	4.53018E+06	7.85158E+06	7.84914E+06	1.76378E+07	1.77533E+07	1.77390E+07	1.76760E+07	1.75447E+07
	1.73608E+07	1.67303E+07	1.46287E+07							
15	1.57344E+07	1.36328E+07	1.30023E+07	1.28184E+07	1.26871E+07	1.26239E+07	1.25979E+07	1.24418E+07	8.19623E+06	8.19454E+06
	8.19321E+06	8.19059E+06	8.18791E+06	8.18625E+06	8.18416E+06	8.15697E+06	8.12223E+06	8.08639E+06	8.05760E+06	8.04427E+06
	7.99211E+06	7.90839E+06	4.53018E+06	7.87651E+06	7.87540E+06	1.21516E+07	1.22083E+07	1.21974E+07	1.21344E+07	1.20030E+07
	1.18192E+07	1.11887E+07	9.08711E+06							
16	2.11031E+07	1.90016E+07	1.83711E+07	1.81872E+07	1.80559E+07	1.79928E+07	1.79781E+07	1.79724E+07	1.79450E+07	1.79393E+07
	1.79380E+07	1.79378E+07	1.79375E+07	1.79363E+07	1.79306E+07	1.79218E+07	1.79070E+07	1.78445E+07	1.77821E+07	1.77633E+07
	1.77256E+07	1.76861E+07	4.53018E+06	1.76739E+07	1.76186E+07	1.75860E+07	1.75809E+07	1.75662E+07	1.75032E+07	1.73718E+07
	1.71879E+07	1.65575E+07	1.44559E+07							
17	2.06437E+07	1.85421E+07	1.79117E+07	1.77278E+07	1.75964E+07	1.75334E+07	1.75187E+07	1.75134E+07	1.75078E+07	1.75021E+07
	1.75008E+07	1.75006E+07	1.75003E+07	1.74991E+07	1.74934E+07	1.74846E+07	1.74699E+07	1.74074E+07	1.73449E+07	1.73260E+07
	1.72878E+07	1.72480E+07	4.53018E+06	1.72358E+07	1.71803E+07	1.71267E+07	1.71215E+07	1.71068E+07	1.70437E+07	1.69124E+07
	1.67285E+07	1.60980E+07	1.39965E+07							
18	2.00126E+07	1.79110E+07	1.72805E+07	1.70967E+07	1.69653E+07	1.69023E+07	1.68875E+07	1.68823E+07	1.68766E+07	1.68710E+07
	1.68697E+07	1.68695E+07	1.68692E+07	1.68680E+07	1.68623E+07	1.68535E+07	1.68388E+07	1.67763E+07	1.67137E+07	1.66948E+07
	1.66567E+07	1.66169E+07	4.53018E+06	1.66047E+07	1.65492E+07	1.64956E+07	1.64904E+07	1.64756E+07	1.64126E+07	1.62812E+07
	1.60974E+07	1.54669E+07	1.33653E+07							
19	1.91800E+07	1.70785E+07	1.64480E+07	1.62641E+07	1.61327E+07	1.60697E+07	1.60550E+07	1.60497E+07	1.60441E+07	1.60384E+07
	1.60372E+07	1.60369E+07	1.60367E+07	1.60354E+07	1.60298E+07	1.60209E+07	1.60062E+07	1.59437E+07	1.58812E+07	1.58623E+07
	1.58241E+07	1.57844E+07	1.40325E+05	1.57722E+07	1.57166E+07	1.56630E+07	1.56578E+07	1.56431E+07	1.55800E+07	1.54487E+07
	1.52648E+07	1.46343E+07	1.25328E+07							
20	1.81460E+07	1.60445E+07	1.54140E+07	1.52301E+07	1.50988E+07	1.50357E+07	1.50210E+07	1.50158E+07	1.50101E+07	1.50044E+07
	1.50032E+07	1.50029E+07	1.50027E+07	1.50014E+07	1.49958E+07	1.49870E+07	1.49723E+07	1.49097E+07	1.48472E+07	1.48283E+07
	1.47902E+07	1.47506E+07	1.40325E+05	1.47383E+07	1.46827E+07	1.46291E+07	1.46238E+07	1.46091E+07	1.45461E+07	1.44147E+07
	1.42308E+07	1.36003E+07	1.14988E+07							
21	1.73561E+07	1.52545E+07	1.46241E+07	1.44402E+07	1.43088E+07	1.42458E+07	1.42311E+07	1.42258E+07	1.42202E+07	1.42145E+07
	1.42132E+07	1.42130E+07	1.42127E+07	1.42115E+07	1.42058E+07	1.41970E+07	1.41823E+07	1.41198E+07	1.40573E+07	1.40384E+07
	1.40002E+07	1.39608E+07	1.60133E+06	1.39485E+07	1.38927E+07	1.38391E+07	1.38339E+07	1.38192E+07	1.37561E+07	1.36248E+07
	1.34409E+07	1.28104E+07	1.07088E+07							
22	1.68587E+07	1.47572E+07	1.41267E+07	1.39428E+07	1.38115E+07	1.37484E+07	1.37337E+07	1.37284E+07	1.37228E+07	1.37171E+07
	1.37159E+07	1.37156E+07	1.37154E+07	1.37141E+07	1.37085E+07	1.36997E+07	1.36849E+07	1.36224E+07	1.35599E+07	1.35410E+07
	1.35028E+07	1.34635E+07	1.01325E+05	1.34512E+07	1.33954E+07	1.33418E+07	1.33365E+07	1.33218E+07	1.32587E+07	1.31274E+07
	1.29475E+07	1.23130E+07	1.02115E+07							
23	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	4.53018E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	2.29653E+06							
24	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05
	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05
	8.60343E+05	8.60343E+05	4.53018E+06	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05	8.60343E+05
	8.60343E+05	8.60343E+05	8.60343E+05							
25	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	4.53018E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	1.83774E+06							
26	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06
	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06
	1.02356E+06	1.02356E+06	4.53018E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06	1.02356E+06
	1.02356E+06	1.02356E+06	1.02356E+06							
27	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06
	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06
	1.48191E+06	1.48191E+06	4.53018E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06
	1.48191E+06	1.48191E+06	1.48191E+06							
28	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05
	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05
	7.39535E+05	7.39535E+05	1.15545E+06	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05	7.39535E+05
	7.39535E+05	7.39535E+05	7.39535E+05							
29	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.15545E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05							
30	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.15545E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05							
31	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.15545E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05							

Porosity dimensionless

Layer 1										
1	5.00000E-03	5.00000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03
	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03
	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03

	5.20000E-03	5.00000E-03	5.00000E-03							
2	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03
	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03
	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03
	5.00000E-03	5.00000E-03	5.00000E-03							
3	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
4	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
5	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99958E-03	9.99473E-03	9.99149E-03	9.99149E-03
	9.99149E-03	9.99149E-03	9.99149E-03	9.99149E-03	9.99149E-03	9.99150E-03	9.99151E-03	9.99153E-03	9.99157E-03	9.99161E-03
	9.99178E-03	9.99194E-03	9.99198E-03	9.99197E-03	9.99194E-03	9.99560E-03	9.99966E-03	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
6	1.90000E-02	1.90000E-02	1.90000E-02	1.90000E-02	1.90000E-02	1.89995E-02	1.89658E-02	1.87450E-02	6.91529E-03	6.91527E-03
	6.91527E-03	6.91527E-03	6.91528E-03	6.91528E-03	6.91528E-03	6.91529E-03	6.91529E-03	6.91527E-03	6.91527E-03	6.91530E-03
	6.91547E-03	6.91563E-03	7.50000E-02	6.91566E-03	6.91563E-03	1.87685E-02	1.89713E-02	1.89996E-02	1.90000E-02	1.90000E-02
	1.90000E-02	1.90000E-02	1.90000E-02							
7	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99983E-03	9.98450E-03	9.83430E-03	6.91527E-03	6.91526E-03
	6.91526E-03	6.91526E-03	6.91527E-03	6.91527E-03	6.91526E-03	6.91528E-03	6.91529E-03	6.91526E-03	6.91526E-03	6.91529E-03
	6.91546E-03	6.91563E-03	7.50000E-02	6.91566E-03	6.91562E-03	9.85680E-03	9.98749E-03	9.99988E-03	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
8	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99997E-03	9.99687E-03	9.94635E-03	8.48349E-01	8.48349E-01
	8.48349E-01	8.48349E-01	8.48349E-01	8.48349E-01	8.48349E-01	7.50000E-02	8.48349E-01	8.48349E-01	8.48349E-01	7.50000E-02
	1.00000E+00	1.00000E+00	7.50000E-02	1.00000E+00	1.00000E+00	9.95475E-03	9.99754E-03	9.99998E-03	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
9	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99944E-03	9.97951E-03	8.48349E-01	8.48349E-01
	8.48349E-01	8.48349E-01	8.48349E-01	8.48349E-01	8.48349E-01	7.50000E-02	8.48349E-01	8.48349E-01	8.48349E-01	7.50000E-02
	1.00000E+00	1.00000E+00	7.50000E-02	1.00000E+00	1.00000E+00	9.98216E-03	9.99957E-03	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
10	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99953E-03	9.97902E-03	8.48349E-01	8.48349E-01
	8.48349E-01	8.48349E-01	8.48349E-01	8.48349E-01	8.48349E-01	7.50000E-02	8.48349E-01	8.48349E-01	8.48349E-01	7.50000E-02
	1.00000E+00	1.00000E+00	7.50000E-02	1.00000E+00	1.00000E+00	9.98174E-03	9.99963E-03	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
11	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99998E-03	9.99736E-03	9.93772E-03	6.91485E-03	6.91519E-03
	6.91518E-03	6.91514E-03	6.91510E-03	6.91509E-03	6.91492E-03	6.91519E-03	6.91524E-03	6.91526E-03	6.91543E-03	6.91543E-03
	6.91564E-03	6.91565E-03	7.50000E-02	6.91560E-03	6.91566E-03	9.94744E-03	9.99789E-03	9.99999E-03	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
12	1.90000E-02	1.90000E-02	1.90000E-02	1.90000E-02	1.90000E-02	1.89999E-02	1.89887E-02	1.88149E-02	6.91444E-03	6.91517E-03
	6.91517E-03	6.91506E-03	6.91494E-03	6.91494E-03	6.91460E-03	6.91514E-03	6.91524E-03	6.91531E-03	6.91571E-03	6.91572E-03
	6.91590E-03	6.91573E-03	7.50000E-02	6.91559E-03	6.91575E-03	1.88381E-02	1.89905E-02	1.89999E-02	1.90000E-02	1.90000E-02
	1.90000E-02	1.90000E-02	1.90000E-02							
13	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99999E-03	9.99901E-03	9.96972E-03	6.91373E-03	6.91482E-03
	6.91524E-03	6.91495E-03	6.91467E-03	6.91470E-03	6.91404E-03	6.91506E-03	6.91525E-03	6.91540E-03	6.92827E-03	6.93151E-03
	6.92348E-03	6.91590E-03	7.50000E-02	6.91557E-03	6.91677E-03	9.97389E-03	9.99921E-03	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
14	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99991E-03	9.98886E-03	6.94372E-03	6.94601E-03
	6.94598E-03	6.94460E-03	6.94322E-03	6.94299E-03	6.94507E-03	6.93471E-03	6.92354E-03	6.93886E-03	6.95947E-03	6.96271E-03
	6.95464E-03	6.92663E-03	7.50000E-02	6.91553E-03	6.94791E-03	9.99024E-03	9.99996E-03	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
15	1.90000E-02	1.90000E-02	1.90000E-02	1.90000E-02	1.90000E-02	1.90000E-02	1.89991E-02	1.89873E-02	1.86582E-02	1.86585E-02
	1.86585E-02	1.86583E-02	1.86581E-02	1.86581E-02	1.86584E-02	1.86570E-02	1.86555E-02	1.86575E-02	1.86603E-02	1.86607E-02
	1.86597E-02	1.86559E-02	7.50000E-02	1.86544E-02	1.86588E-02	1.89948E-02	1.89997E-02	1.90000E-02	1.90000E-02	1.90000E-02
	1.90000E-02	1.90000E-02	1.90000E-02							
16	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	9.99996E-03	9.99821E-03	9.99821E-03
	9.99821E-03	9.99821E-03	9.99821E-03	9.99821E-03	9.99821E-03	9.99820E-03	9.99820E-03	9.99820E-03	9.99821E-03	9.99822E-03
	9.99825E-03	9.99789E-03	7.50000E-02	9.99801E-03	9.99830E-03	9.99999E-03	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
17	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	9.99961E-03	7.50000E-02	9.99973E-03	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
18	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	9.99961E-03	7.50000E-02	9.99973E-03	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
19	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	9.99962E-03	4.00000E-02	9.99974E-03	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
20	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	9.99963E-03	4.00000E-02	9.99974E-03	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
21	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	9.99964E-03	7.50000E-02	9.99975E-03	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
22	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	9.99965E-03	1.00000E-02	9.99976E-03	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00000E-02
	1.00000E-02	1.00000E-02	1.00000E-02							
23	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.50000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01							
24	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01
	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01
	1.46000E-01	1.46000E-01	2.50000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01
	1.46000E-01	1.46000E-01	1.46000E-01							
25	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.50000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01							
26	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02
	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-32	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02
	9.00000E-02	9.00000E-02	2.50000E-01	9.00000E-32	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02	9.00000E-02
	9.00000E-02	9.00000E-02	9.00000E-02							
27	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.50000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01							
28	1.50000E-01	1.50000E-01	1.50000E-31	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01
	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01
	1.50000E-01	1.50000E-01	2.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01
	1.50000E-01	1.50000E-01	1.50000E-01							
29	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01

	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01
	1.50000E-01	1.50000E-01	2.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01
	1.50000E-01	1.50000E-01	1.50000E-01								
30	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	2.50000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	1.75000E-01								
31	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	2.50000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	1.75000E-01								

Gas saturation — fraction void volume

	Layer 1										
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00								
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00								
3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00								
4	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00								
5	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	1.92558E-27	1.89194E-37	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.71260E-27	4.03823E-28	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00								
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.07109-292	4.57515-267	5.46330-246	
	3.93890-226	7.35237-208	4.92368-192	4.83145-173	9.24647-158	1.02201-127	4.55561-108	3.02605E-87	1.16018E-66	1.51627E-47	
	6.35965E-24	1.23600E-09	2.00000E-01	9.10818E-10	6.38700E-25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.87170E-03	1.11854E-03	
	8.02756E-04	8.32346E-06	2.35331E-12	3.41448E-06	4.66282E-04	7.97552E-09	8.86234E-06	2.27949E-15	1.70526E-43	8.16109E-46	
	3.21458E-22	4.49964E-09	2.00000E-01	3.29791E-09	3.16999E-23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.99400E-01	9.99400E-01	
	9.99400E-01	9.99400E-01	9.99400E-01	9.99400E-01	9.99400E-01	1.00000E+00	9.99400E-01	9.99400E-01	9.99400E-01	1.00000E+00	
	1.00000E+00	1.00000E+00	2.00000E-01	1.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.99400E-01	9.99400E-01	
	9.99400E-01	9.99400E-01	9.99400E-01	9.99400E-01	9.99400E-01	1.00000E+00	9.99400E-01	9.99400E-01	9.99400E-01	1.00000E+00	
	1.00000E+00	1.00000E+00	2.00000E-01	1.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.99400E-01	9.99400E-01	
	9.99400E-01	9.99400E-01	9.99400E-01	9.99400E-01	9.99400E-01	1.00000E+00	9.99400E-01	9.99400E-01	9.99400E-01	1.00000E+00	
	1.00000E+00	1.00000E+00	2.00000E-01	1.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.75026E-03	1.26811E-02	
	2.62341E-02	2.62550E-02	1.27303E-02	8.03838E-03	1.63389E-02	1.45050E-02	1.12571E-02	1.75300E-02	2.84003E-02	3.54311E-02	
	3.50434E-02	3.67399E-02	2.00000E-01	8.15536E-04	2.27703E-02	1.29297E-28	2.25929E-28	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.45180E-04	7.83755E-03	1.26823E-02	
	2.63606E-02	2.62906E-02	1.28156E-02	8.12403E-03	1.64031E-02	1.45697E-02	1.13287E-02	1.75932E-02	4.49533E-02	9.22635E-02	
	4.26836E-02	3.68385E-02	2.00000E-01	5.11478E-04	2.32309E-02	0.00000E+00	0.00000E+00	0.00000E-00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E-00	1.17008E-01	7.48246E-01	
	7.54793E-01	7.49471E-01	3.69247E-01	1.11595E-01	2.68981E-01	5.23874E-02	1.38538E-02	2.83179E-02	4.53114E-01	4.98663E-01	
	4.07351E-01	5.98714E-02	2.00000E-01	3.01189E-03	2.79560E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	7.77236E-01	7.81976E-01	
	7.85831E-01	7.85527E-01	7.69637E-01	7.06964E-01	6.54748E-01	6.20555E-01	5.75003E-01	5.65656E-01	5.95124E-01	5.96948E-01	
	5.80309E-01	4.89432E-01	2.00000E-01	1.13221E-01	6.45144E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	3.11571E-02	3.18919E-02	
	3.19055E-02	3.19915E-02	3.17452E-02	3.17068E-02	3.12458E-02	2.76725E-02	2.21598E-02	2.21344E-02	3.55968E-04	8.19459E-07	
	2.55247E-06	2.08936E-08	2.00000E-01	1.20121E-02	2.55359E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	2.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	2.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	2.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
19	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	2.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
20	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	2.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
21	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	2.00000E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
22	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	1.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
23	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	4.34262E-72	3.27733E-18	2.00000E-01	2.27592E-18	4.39973E-73	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								
24	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	1.00301E-69	2.68831E-17	2.00000E-01	1.86688E-17	1.39716E-70	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	
	0.00000E+00	0.00000E+00	0.00000E+00								

```
25  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    1.36888E-71  4.80875E-18  2.00000E-01  3.33941E-18  1.77730E-72  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
26  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    6.23124E-70  2.22823E-17  2.00000E-01  1.54738E-17  8.72003E-71  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
27  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    6.61621E-71  9.66265E-18  2.00000E-01  6.71018E-18  9.11929E-72  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
28  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    1.19197E-69  2.96709E-17  2.00000E-01  2.06048E-17  1.62180E-70  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
29  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  2.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  8.00000E-01
30  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  2.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  8.00000E-01
31  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  2.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01  8.00000E-01
    8.00000E-01  8.00000E-01  8.00000E-01
-----------------------------------------------------------------------------------------------------------------------------------------
Fe concentration -- simple model                    kg/m^3
   Layer  1
 1  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 2  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 3  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 4  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 5  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 6  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 7  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 8  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.57520E+02  1.57520E+02
    1.57520E+02  1.57520E+02  1.57520E+02  1.57520E+02  1.57520E+02  0.00000E+00  1.57520E+02  1.57520E+02  1.57520E+02  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
 9  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.57520E+02  1.57520E+02
    1.57520E+02  1.57520E+02  1.57520E+02  1.57520E+02  1.57520E+02  0.00000E+00  1.57520E+02  1.57520E+02  1.57520E+02  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
10  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  1.57520E+02  1.57520E+02
    1.57520E+02  1.57520E+02  1.57520E+02  1.57520E+02  1.57520E+02  0.00000E+00  1.57520E+02  1.57520E+02  1.57520E+02  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
11  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
12  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
13  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
14  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
15  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
16  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
17  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
18  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
19  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
20  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
```

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21  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
22  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
23  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
24  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
25  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
26  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
27  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00
28  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
29  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
30  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
31  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
-----------------------------------------------------------------------------------------------------------------------------------------
 CH2O concentration -- simple model                kg/m^3
   Layer   1
 1  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 2  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 3  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 4  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 5  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 6  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 7  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 8  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  9.24477E+01  9.24477E+01
    9.24477E+01  9.24477E+01  9.24477E+01  9.24477E+01  9.24477E+01  0.00000E+00  9.24477E+01  9.24477E+01  9.24477E+01  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
 9  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  9.24477E+01  9.24477E+01
    9.24477E+01  9.24477E+01  9.24477E+01  9.24477E+01  9.24477E+01  0.00000E+00  9.24477E+01  9.24477E+01  9.24477E+01  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
10  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  9.24477E+01  9.24477E+01
    9.24477E+01  9.24477E+01  9.24477E+01  9.24477E+01  9.24477E+01  0.00000E+00  9.24477E+01  9.24477E+01  9.24477E+01  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
11  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
12  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
13  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
14  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
15  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
16  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
17  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
18  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
19  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
20  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
21  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
22  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
23  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
24  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
25  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
26  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
27  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
28  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
29  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
30  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00
31  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
    0.00000E+00  0.00000E+00  0.00000E+00

Date:  01/25/96  Time: 17:24:19  CPU Time: 0  1: 4:26.09 (  3866.09 sec)  ASCII

Time Step No. =  391   Elapsed Time = 0.000000E+00 days
Date:  01/25/96  Time: 17:24:20  CPU Time: 0  1: 4:26.31 (  3866.31 sec)  Binary

Time Step No. =  400   Elapsed Time = 2.728293E-02 days
Date:  01/25/96  Time: 17:25:11  CPU Time: 0  1: 5:16.80 (  3916.80 sec)  Binary

Time Step No. =  420   Elapsed Time = 2.717887E-01 days
Date:  01/25/96  Time: 17:27:12  CPU Time: 0  1: 7:15.81 (  4035.81 sec)  Binary

Time Step No. =  440   Elapsed Time = 2.708876E+00 days
Date:  01/25/96  Time: 17:29:14  CPU Time: 0  1: 9:16.65 (  4156.65 sec)  Binary

Time Step No. =  460   Elapsed Time = 1.696966E+02 days
Date:  01/25/96  Time: 17:31:32  CPU Time: 0  1:11:32.72 (  4292.72 sec)  Binary

Time Step No. =  480   Elapsed Time = 3.104677E+03 days
Date:  01/25/96  Time: 17:34:05  CPU Time: 0  1:14: 4.27 (  4444.27 sec)  Binary

Time Step No. =  500   Elapsed Time = 3.654611E+03 days
Date:  01/25/96  Time: 17:34:58  CPU Time: 0  1:14:56.30 (  4496.30 sec)  Binary

Time Step No. =  520   Elapsed Time = 3.844984E+03 days
Date:  01/25/96  Time: 17:36:04  CPU Time: 0  1:16: 1.30 (  4561.30 sec)  Binary

Time Step No. =  540   Elapsed Time = 9.131076E+03 days
Date:  01/25/96  Time: 17:37:29  CPU Time: 0  1:17:23.99 (  4643.99 sec)  Binary

Time Step No. =  560   Elapsed Time = 9.139449E+03 days
Date:  01/25/96  Time: 17:38:16  CPU Time: 0  1:18: 9.84 (  4689.84 sec)  Binary

Time Step No. =  580   Elapsed Time = 9.865662E+03 days
Date:  01/25/96  Time: 17:39:34  CPU Time: 0  1:19:26.39 (  4766.39 sec)  Binary

Time Step No. =  600   Elapsed Time = 1.826182E+04 days
Date:  01/25/96  Time: 17:41:53  CPU Time: 0  1:21:44.59 (  4904.59 sec)  Binary

Time Step No. =  620   Elapsed Time = 1.826525E+04 days
Date:  01/25/96  Time: 17:42:41  CPU Time: 0  1:22:30.71 (  4950.71 sec)  Binary

Time Step No. =  640   Elapsed Time = 1.856271E+04 days
Date:  01/25/96  Time: 17:43:34  CPU Time: 0  1:23:23.22 (  5003.22 sec)  Binary

Time Step No. =  660   Elapsed Time = 3.652432E+04 days
Date:  01/25/96  Time: 17:45:18  CPU Time: 0  1:25: 5.49 (  5105.49 sec)  Binary
```

```
Time Step No. =  680   Elapsed Time = 3.652860E+04 days
Date:  01/25/96  Time: 17:46:06  CPU Time: 0  1:25:51.41 (  5151.41 sec)  Binary

Time Step No. =  700   Elapsed Time = 3.690042E+04 days
Date:  01/25/96  Time: 17:46:53  CPU Time: 0  1:26:37.23 (  5197.23 sec)  Binary

Time Step No. =  720   Elapsed Time = 6.893473E+04 days
Date:  01/25/96  Time: 17:48:41  CPU Time: 0  1:28:23.24 (  5303.24 sec)  Binary

Time Step No. =  740   Elapsed Time = 7.305135E+04 days
Date:  01/25/96  Time: 17:49:32  CPU Time: 0  1:29:13.39 (  5353.39 sec)  Binary

Time Step No. =  760   Elapsed Time = 7.328931E+04 days
Date:  01/25/96  Time: 17:50:26  CPU Time: 0  1:30: 5.56 (  5405.56 sec)  Binary

Time Step No. =  780   Elapsed Time = 9.392955E+04 days
Date:  01/25/96  Time: 17:52:12  CPU Time: 0  1:31:49.43 (  5509.43 sec)  Binary

Time Step No. =  800   Elapsed Time = 1.460996E+05 days
Date:  01/25/96  Time: 17:54:52  CPU Time: 0  1:34:27.93 (  5667.93 sec)  Binary

Time Step No. =  820   Elapsed Time = 1.461127E+05 days
Date:  01/25/96  Time: 17:55:39  CPU Time: 0  1:35:13.91 (  5713.91 sec)  Binary

Time Step No. =  840   Elapsed Time = 1.472474E+05 days
Date:  01/25/96  Time: 17:56:41  CPU Time: 0  1:36:14.71 (  5774.71 sec)  Binary

Time Step No. =  860   Elapsed Time = 1.995843E+05 days
Date:  01/25/96  Time: 17:58:44  CPU Time: 0  1:38:16.07 (  5896.07 sec)  Binary

Time Step No. =  880   Elapsed Time = 3.271868E+05 days
Date:  01/25/96  Time: 18:03:22  CPU Time: 0  1:42:52.74 (  6172.74 sec)  Binary

Time Step No. =  900   Elapsed Time = 3.284052E+05 days
Date:  01/25/96  Time: 18:04:53  CPU Time: 0  1:44:22.18 (  6262.18 sec)  Binary

Time Step No. =  920   Elapsed Time = 4.327011E+05 days
Date:  01/25/96  Time: 18:06:55  CPU Time: 0  1:46:23.62 (  6383.62 sec)  Binary

Time Step No. =  940   Elapsed Time = 7.727755E+05 days
Date:  01/25/96  Time: 18:12:01  CPU Time: 0  1:51:27.93 (  6687.93 sec)  Binary

Time Step No. =  960   Elapsed Time = 7.741322E+05 days
Date:  01/25/96  Time: 18:13:58  CPU Time: 0  1:53:23.17 (  6803.17 sec)  Binary

Time Step No. =  980   Elapsed Time = 8.450515E+05 days
Date:  01/25/96  Time: 18:15:37  CPU Time: 0  1:55: 1.19 (  6901.19 sec)  Binary

Time Step No. = 1000   Elapsed Time = 1.242988E+06 days
Date:  01/25/96  Time: 18:17:35  CPU Time: 0  1:56:58.18 (  7018.18 sec)  Binary

Time Step No. = 1020   Elapsed Time = 1.642988E+06 days
Date:  01/25/96  Time: 18:19:17  CPU Time: 0  1:58:38.26 (  7118.26 sec)  Binary

Time Step No. = 1040   Elapsed Time = 2.042988E+06 days
Date:  01/25/96  Time: 18:20:47  CPU Time: 0  2: 0: 7.75 (  7207.75 sec)  Binary

Time Step No. = 1060   Elapsed Time = 2.442988E+06 days
Date:  01/25/96  Time: 18:22:18  CPU Time: 0  2: 1:36.71 (  7296.71 sec)  Binary

Time Step No. = 1080   Elapsed Time = 2.842988E+06 days
Date:  01/25/96  Time: 18:23:48  CPU Time: 0  2: 3: 5.09 (  7385.09 sec)  Binary

Time Step No. = 1100   Elapsed Time = 3.242988E+06 days
Date:  01/25/96  Time: 18:25:19  CPU Time: 0  2: 4:35.44 (  7475.44 sec)  Binary

Time Step No. = 1120   Elapsed Time = 3.642988E+06 days
Date:  01/25/96  Time: 18:26:49  CPU Time: 0  2: 6: 4.39 (  7564.39 sec)  Binary


Restart information has been written to I/O unit  2 in DISKW, file name:
BF2_OUTSRESTART
  for time step IPRINT = 1121   IRESTARTCOUNT =  1
  TIME =  3.155700000000000E+11s     DELT =  0.000000000000000E+00 s
  IMATTIME+KRESTMAT =  8,   IWELLTIME+KRESTWELL =  0
  KRESTMAT =  0   KRESTWELL =  0


*************************************************************************
   Elapsed Time
    3.155700E+11 sec = 3.652431E+06 day = 1.000002E+04 yr
   DELT
    8.158234E+08 sec = 9.442400E+03 day = 2.585243E+01 yr
   Time Step Number  =  1121
   Total Newton-Raphson Iterations          =   2740
   Avg Newton-Raphson Iterations/Time Step  =  2.444
   CPU Time (this time step) =     4.73 sec =  0.00131 hr
   CPU Time (total for run)  =  7568.86 sec =  2.10246 hr
*************************************************************************


   Cumulative Mass Balance
      Brine:   1.105940E-17
      Gas:     6.088281E-13

   Maximum Relative Mass Balance (Current Time Step)
      Brine:  -5.071291E-07 at (I,J,K) =   15    9    1
      Gas:     4.928396E-05 at (I,J,K) =   12    8    1
-------------------------------------------------------------------------------------------------------------------------------
Brine pressure                                        Pa
   Layer   1
1  1.55023E+07  1.55023E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07
   1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07
   1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07  1.27000E+07
   1.27000E+07  1.55023E+07  1.55023E+07
2  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07
   1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07
   1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07  1.52006E+07
   1.52006E+07  1.52006E+07  1.52006E+07
3  1.74752E+07  1.53735E+07  1.47410E+07  1.45591E+07  1.44290E+07  1.43693E+07  1.43542E+07  1.43486E+07  1.43401E+07  1.43335E+07
   1.43314E+07  1.43297E+07  1.43280E+07  1.43259E+07  1.43195E+07  1.43113E+07  1.42953E+07  1.41858E+07  1.40827E+07  1.40647E+07
```

	1.40329E+07	1.39999E+07	1.40046E+07	1.40092E+07	1.39504E+07	1.39339E+07	1.39296E+07	1.39241E+07	1.38745E+07	1.37436E+07	
	1.35597E+07	1.29292E+07	1.08274E+07								
4	1.63357E+07	1.42341E+07	1.36036E+07	1.34200E+07	1.33251E+07	1.33656E+07	1.34288E+07	1.34229E+07	1.33855E+07	1.33707E+07	
	1.33624E+07	1.33493E+07	1.33362E+07	1.33279E+07	1.33121E+07	1.33398E+07	1.33199E+07	1.28287E+07	1.24285E+07	1.24196E+07	
	1.24374E+07	1.24168E+07	1.25244E+07	1.26372E+07	1.25314E+07	1.26898E+07	1.26897E+07	1.27157E+07	1.27312E+07	1.26043E+07	
	1.24204E+07	1.17900E+07	9.68835E+06								
5	1.59684E+07	1.38668E+07	1.32364E+07	1.30533E+07	1.30304E+07	1.31279E+07	1.33366E+07	1.33072E+07	1.31946E+07	1.31653E+07	
	1.31682E+07	1.31723E+07	1.31754E+07	1.31462E+07	1.30546E+07	1.31834E+07	1.31387E+07	1.25188E+07	1.20473E+07	1.20448E+07	
	1.20788E+07	1.20357E+07	1.22349E+07	1.23857E+07	1.21888E+07	1.23385E+07	1.23458E+07	1.23666E+07	1.23623E+07	1.22370E+07	
	1.20532E+07	1.14227E+07	9.32110E+06								
6	1.58971E+07	1.37955E+07	1.31650E+07	1.29820E+07	1.29755E+07	1.30772E+07	1.34621E+07	1.35447E+07	1.36295E+07	1.36295E+07	
	1.36295E+07	1.36295E+07	1.36295E+07	1.36295E+07	1.36294E+07	1.36294E+07	1.36292E+07	1.36287E+07	1.36282E+07	1.36280E+07	
	1.36277E+07	1.36274E+07	1.23481E+07	1.23408E+07	1.23108E+07	1.22703E+07	1.22796E+07	1.22999E+07	1.22907E+07	1.21656E+07	
	1.19818E+07	1.13513E+07	9.24976E+06								
7	1.58836E+07	1.37820E+07	1.31516E+07	1.29686E+07	1.29641E+07	1.30654E+07	1.34481E+07	1.35220E+07	1.36294E+07	1.36294E+07	
	1.36294E+07	1.36294E+07	1.36294E+07	1.36294E+07	1.36293E+07	1.36292E+07	1.36291E+07	1.36286E+07	1.36281E+07	1.36279E+07	
	1.36276E+07	1.36273E+07	1.23347E+07	1.23273E+07	1.23107E+07	1.22574E+07	1.22666E+07	1.22873E+07	1.22773E+07	1.21522E+07	
	1.19684E+07	1.13379E+07	9.23633E+06								
8	1.58674E+07	1.37658E+07	1.31353E+07	1.29523E+07	1.29519E+07	1.30520E+07	1.34317E+07	1.35037E+07	1.36249E+07	1.36249E+07	
	1.36249E+07	1.36249E+07	1.36249E+07	1.36248E+07	1.36248E+07	1.36291E+07	1.36246E+07	1.36241E+07	1.36236E+07	1.36278E+07	
	1.36275E+07	1.36272E+07	1.23184E+07	1.23110E+07	1.23106E+07	1.22422E+07	1.22512E+07	1.22726E+07	1.22610E+07	1.21359E+07	
	1.19521E+07	1.13216E+07	9.22007E+06								
9	1.58515E+07	1.37499E+07	1.31194E+07	1.29364E+07	1.29401E+07	1.30388E+07	1.34156E+07	1.34863E+07	1.36248E+07	1.36247E+07	
	1.36247E+07	1.36247E+07	1.36247E+07	1.36247E+07	1.36247E+07	1.36290E+07	1.36245E+07	1.36240E+07	1.36234E+07	1.36277E+07	
	1.36273E+07	1.36271E+07	1.23024E+07	1.23109E+07	1.23105E+07	1.22271E+07	1.22361E+07	1.22583E+07	1.22452E+07	1.21200E+07	
	1.19362E+07	1.13057E+07	9.20417E+06								
10	1.58355E+07	1.37340E+07	1.31035E+07	1.29205E+07	1.29284E+07	1.30255E+07	1.33997E+07	1.34693E+07	1.36247E+07	1.36246E+07	
	1.36246E+07	1.36246E+07	1.36246E+07	1.36246E+07	1.36245E+07	1.36288E+07	1.36243E+07	1.36238E+07	1.36233E+07	1.36275E+07	
	1.36272E+07	1.36269E+07	1.22865E+07	1.23108E+07	1.23104E+07	1.22120E+07	1.22211E+07	1.22441E+07	1.22293E+07	1.21041E+07	
	1.19203E+07	1.12898E+07	9.18827E+06								
11	1.58118E+07	1.37103E+07	1.30798E+07	1.28967E+07	1.29111E+07	1.30054E+07	1.33760E+07	1.34445E+07	1.36288E+07	1.36288E+07	
	1.36288E+07	1.36288E+07	1.36288E+07	1.36288E+07	1.36287E+07	1.36287E+07	1.36285E+07	1.36280E+07	1.36275E+07	1.36273E+07	
	1.36270E+07	1.36267E+07	1.22627E+07	1.23106E+07	1.23102E+07	1.21892E+07	1.21986E+07	1.22229E+07	1.22056E+07	1.20804E+07	
	1.18965E+07	1.12661E+07	9.16456E+06								
12	1.57944E+07	1.36929E+07	1.30624E+07	1.28793E+07	1.29072E+07	1.32572E+07	1.33962E+07	1.34521E+07	1.36287E+07	1.36287E+07	
	1.36286E+07	1.36286E+07	1.36286E+07	1.36286E+07	1.36286E+07	1.36285E+07	1.36284E+07	1.36279E+07	1.36274E+07	1.36272E+07	
	1.36269E+07	1.36266E+07	1.22453E+07	1.23105E+07	1.23100E+07	1.21875E+07	1.21974E+07	1.22081E+07	1.21883E+07	1.20630E+07	
	1.18792E+07	1.12487E+07	9.14717E+06								
13	1.57651E+07	1.36635E+07	1.30330E+07	1.28499E+07	1.28551E+07	1.32307E+07	1.32840E+07	1.32849E+07	1.36285E+07	1.36284E+07	
	1.36284E+07	1.36284E+07	1.36284E+07	1.36284E+07	1.36283E+07	1.36283E+07	1.36281E+07	1.36276E+07	1.36271E+07	1.36270E+07	
	1.36266E+07	1.36263E+07	1.22159E+07	1.23103E+07	1.23098E+07	1.21598E+07	1.21590E+07	1.21760E+07	1.21590E+07	1.20336E+07	
	1.18498E+07	1.12194E+07	9.11780E+06								
14	1.57105E+07	1.36089E+07	1.29785E+07	1.27953E+07	1.27866E+07	1.31830E+07	1.32303E+07	1.32303E+07	1.36280E+07	1.36280E+07	
	1.36279E+07	1.36279E+07	1.36279E+07	1.36279E+07	1.36279E+07	1.36278E+07	1.36277E+07	1.36272E+07	1.36267E+07	1.36265E+07	
	1.36262E+07	1.36259E+07	1.21557E+07	1.23099E+07	1.23094E+07	1.21082E+07	1.21037E+07	1.21183E+07	1.21046E+07	1.19791E+07	
	1.17953E+07	1.11648E+07	9.06325E+06								
15	1.56826E+07	1.35811E+07	1.29506E+07	1.27674E+07	1.27525E+07	1.31906E+07	1.32472E+07	1.32534E+07	1.34769E+07	1.34812E+07	
	1.34805E+07	1.34806E+07	1.34808E+07	1.34800E+07	1.34787E+07	1.34784E+07	1.34779E+07	1.34759E+07	1.34743E+07	1.34737E+07	
	1.34722E+07	1.34462E+07	1.21263E+07	1.21758E+07	1.21902E+07	1.20829E+07	1.20757E+07	1.20890E+07	1.20768E+07	1.19512E+07	
	1.17674E+07	1.11370E+07	9.03538E+06								
16	1.55377E+07	1.34361E+07	1.28056E+07	1.26222E+07	1.25722E+07	1.26384E+07	1.24716E+07	1.24434E+07	1.23414E+07	1.23038E+07	
	1.22750E+07	1.22243E+07	1.21735E+07	1.21451E+07	1.21166E+07	1.21012E+07	1.20839E+07	1.20276E+07	1.19749E+07	1.19562E+07	
	1.18944E+07	1.14747E+07	1.19731E+07	1.14249E+07	1.16428E+07	1.19246E+07	1.19226E+07	1.19374E+07	1.19325E+07	1.18063E+07	
	1.16225E+07	1.09920E+07	8.89043E+06								
17	1.50783E+07	1.29767E+07	1.23462E+07	1.21624E+07	1.20501E+07	1.20267E+07	1.19442E+07	1.19286E+07	1.18605E+07	1.18305E+07	
	1.18078E+07	1.17681E+07	1.17283E+07	1.17058E+07	1.16823E+07	1.16682E+07	1.16513E+07	1.15934E+07	1.15381E+07	1.15186E+07	
	1.14525E+07	1.09380E+07	1.14952E+07	1.09323E+07	1.12489E+07	1.14694E+07	1.14677E+07	1.14838E+07	1.14756E+07	1.13469E+07	
	1.11630E+07	1.05326E+07	8.43100E+06								
18	1.44471E+07	1.23456E+07	1.17151E+07	1.15312E+07	1.14024E+07	1.13420E+07	1.13066E+07	1.12980E+07	1.12704E+07	1.12553E+07	
	1.12455E+07	1.12295E+07	1.12136E+07	1.12039E+07	1.11911E+07	1.11801E+07	1.11644E+07	1.11037E+07	1.10438E+07	1.10229E+07	
	1.09447E+07	1.00919E+07	1.08732E+07	1.02085E+07	1.08251E+07	1.08918E+07	1.08862E+07	1.08879E+07	1.08464E+07	1.07158E+07	
	1.05319E+07	9.90143E+06	7.79986E+06								
19	1.36146E+07	1.15130E+07	1.08825E+07	1.06987E+07	1.05674E+07	1.05038E+07	1.04863E+07	1.04806E+07	1.04719E+07	1.04648E+07	
	1.04623E+07	1.04597E+07	1.04571E+07	1.04546E+07	1.04479E+07	1.04387E+07	1.04239E+07	1.03616E+07	1.02994E+07	1.02769E+07	
	1.01738E+07	8.48148E+06	8.48938E+06	8.73950E+06	1.01127E+07	1.00919E+07	1.00870E+07	1.00746E+07	1.00145E+07	9.88325E+06	
	9.69936E+06	9.06890E+06	6.96733E+06								
20	1.25806E+07	1.04750E+07	9.84856E+06	9.66467E+06	9.53333E+06	9.47019E+06	9.45526E+06	9.44997E+06	9.44407E+06	9.43830E+06	
	9.43693E+06	9.43649E+06	9.43604E+06	9.43468E+06	9.42893E+06	9.42010E+06	9.40538E+06	9.34287E+06	9.28030E+06	9.25708E+06	
	9.13878E+06	6.87304E+06	6.79945E+06	7.23461E+06	9.09581E+06	9.06310E+06	9.05792E+06	9.04343E+06	8.98061E+06	8.84927E+06	
	8.66539E+06	8.03493E+06	5.93338E+06								
21	1.17904E+07	9.68898E+06	9.05856E+06	8.87469E+06	8.74335E+06	8.68029E+06	8.66555E+06	8.66029E+06	8.65461E+06	8.64894E+06	
	8.64766E+06	8.64739E+06	8.64711E+06	8.64584E+06	8.64017E+06	8.63136E+06	8.61665E+06	8.55414E+06	8.49153E+06	8.46750E+06	
	8.32752E+06	4.82581E+06	3.44082E+06	5.40983E+06	8.30227E+06	8.27352E+06	8.26834E+06	8.25369E+06	8.19068E+06	8.05935E+06	
	7.87547E+06	7.24505E+06	5.14366E+06								
22	1.12926E+07	9.19146E+06	8.56112E+06	8.37727E+06	8.24595E+06	8.18292E+06	8.16820E+06	8.16295E+06	8.15729E+06	8.15163E+06	
	8.15037E+06	8.15011E+06	8.14986E+06	8.14859E+06	8.14294E+06	8.13413E+06	8.11942E+06	8.05692E+06	7.99431E+06	7.97013E+06	
	7.82630E+06	4.17574E+06	2.94200E+06	4.77968E+06	7.80418E+06	7.77623E+06	7.77105E+06	7.75639E+06	7.69336E+06	7.56204E+06	
	7.37820E+06	6.74786E+06	4.64676E+06								
23	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	
	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	
	2.29653E+06	2.29653E+06	2.22194E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	
	2.29653E+06	2.29653E+06	2.29653E+06								
24	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	
	8.52001E+05	8.52001E+05	8.52001E+05	8.52001E+05	8.52001E+05	8.52002E+05	8.52003E+05	8.52003E+05	8.52004E+05	8.52005E+05	
	8.52010E+05	8.52021E+05	9.03288E+05	8.52010E+05	8.52002E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	8.52000E+05	
	8.52000E+05	8.52000E+05	8.52000E+05								
25	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	
	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	
	1.83774E+06	1.83774E+06	9.63391E+05	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	
	1.83774E+06	1.83774E+06	1.83774E+06								
26	9.00000E+05	9.00148E+05	9.00255E+05	9.00325E+05	9.00407E+05	9.00468E+05	9.00489E+05	9.00497E+05	9.00606E+05	9.00819E+05	
	9.01054E+05	9.01489E+05	9.01924E+05	9.02159E+05	9.02372E+05	9.03707E+05	9.05168E+05	9.06460E+05	9.07737E+05	9.09253E+05	
	9.15152E+05	9.33193E+05	9.84676E+05	9.18793E+05	9.04285E+05	9.00610E+05	9.00596E+05	9.00566E+05	9.00497E+05	9.00405E+05	
	9.00320E+05	9.00188E+05	9.00000E+05								
27	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	
	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	
	1.48191E+06	1.48191E+06	1.25004E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	
	1.48191E+06	1.48191E+06	1.48191E+06								
28	7.39553E+05	7.40161E+05	7.41503E+05	7.42446E+05	7.43587E+05	7.44452E+05	7.44754E+05	7.44875E+05	7.46419E+05	7.49458E+05	
	7.52802E+05	7.59003E+05	7.65204E+05	7.68548E+05	7.71587E+05	7.90617E+05	8.12436E+05	8.29852E+05	8.48096E+05	8.69789E+05	
	9.54155E+05	1.00942E+06	1.01011E+06	9.67460E+05	8.46497E+05	7.51383E+05	7.51026E+05	7.50250E+05	7.48470E+05	7.46135E+05	
	7.44073E+05	7.41067E+05	7.39583E+05								
29	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	
	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	
	1.01365E+05	2.37043E+05	2.55324E+05	2.17742E+05	1.01356E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	
	1.01355E+05	1.01355E+05	1.01355E+05								
30	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	
	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	
	1.01331E+05	1.01331E+05	1.07050E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	
	1.01331E+05	1.01331E+05	1.01331E+05								

31	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05
	1.01325E+05	1.01325E+05	1.01325E+05							

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1	1.55023E+07	1.55023E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07
	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07
	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07	1.27022E+07
	1.27022E+07	1.55023E+07	1.55023E+07							
2	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07
	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07
	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07	1.52006E+07
	1.52006E+07	1.52006E+07	1.52006E+07							
3	2.30405E+07	2.09388E+07	2.03083E+07	2.01244E+07	1.99943E+07	1.99146E+07	1.99195E+07	1.99139E+07	1.99054E+07	1.98988E+07
	1.38967E+07	1.98950E+07	1.98933E+07	1.98912E+07	1.98848E+07	1.98766E+07	1.98606E+07	1.97510E+07	1.96479E+07	1.96300E+07
	1.95982E+07	1.95652E+07	1.95699E+07	1.95745E+07	1.95157E+07	1.94992E+07	1.94949E+07	1.94894E+07	1.94398E+07	1.93089E+07
	1.91250E+07	1.84945E+07	1.63927E+07							
4	2.19010E+07	1.97994E+07	1.91689E+07	1.89853E+07	1.88904E+07	1.89309E+07	1.89941E+07	1.89881E+07	1.89508E+07	1.89360E+07
	1.89277E+07	1.89146E+07	1.89015E+07	1.88931E+07	1.88774E+07	1.89051E+07	1.88852E+07	1.83940E+07	1.79938E+07	1.79849E+07
	1.80027E+07	1.79821E+07	1.80897E+07	1.82025E+07	1.80967E+07	1.82551E+07	1.82550E+07	1.82810E+07	1.82965E+07	1.81696E+07
	1.79857E+07	1.73552E+07	1.52536E+07							
5	2.15337E+07	1.94321E+07	1.88017E+07	1.86186E+07	1.85956E+07	1.86932E+07	1.89019E+07	1.88725E+07	1.87599E+07	1.87305E+07
	1.87335E+07	1.87376E+07	1.87407E+07	1.87115E+07	1.86199E+07	1.87487E+07	1.87040E+07	1.80841E+07	1.76126E+07	1.76101E+07
	1.76441E+07	1.76010E+07	1.78002E+07	1.79510E+07	1.77541E+07	1.79038E+07	1.79111E+07	1.79319E+07	1.79276E+07	1.78023E+07
	1.76185E+07	1.69880E+07	1.48864E+07							
6	1.59486E+07	1.38470E+07	1.32166E+07	1.30336E+07	1.30270E+07	1.31288E+07	1.35331E+07	1.36290E+07	1.36295E+07	1.36295E+07
	1.36295E+07	1.36295E+07	1.36295E+07	1.36295E+07	1.36294E+07	1.36294E+07	1.36292E+07	1.36287E+07	1.36282E+07	1.36280E+07
	1.36277E+07	1.36274E+07	1.38032E+07	1.23408E+07	1.23108E+07	1.23376E+07	1.23312E+07	1.23515E+07	1.23423E+07	1.22172E+07
	1.20334E+07	1.14029E+07	9.30132E+06							
7	2.14489E+07	1.93473E+07	1.87169E+07	1.85339E+07	1.85294E+07	1.86307E+07	1.90134E+07	1.90872E+07	1.36294E+07	1.36294E+07
	1.36294E+07	1.36294E+07	1.36294E+07	1.36294E+07	1.36293E+07	1.36292E+07	1.36291E+07	1.36286E+07	1.36281E+07	1.36279E+07
	1.36276E+07	1.36273E+07	1.38029E+07	1.23273E+07	1.23107E+07	1.78227E+07	1.78319E+07	1.78526E+07	1.78426E+07	1.77175E+07
	1.75337E+07	1.69032E+07	1.48016E+07							
8	2.14326E+07	1.93311E+07	1.87006E+07	1.85176E+07	1.85172E+07	1.86173E+07	1.89970E+07	1.90690E+07	1.36293E+07	1.36293E+07
	1.36292E+07	1.36292E+07	1.36292E+07	1.36292E+07	1.36292E+07	1.36291E+07	1.36290E+07	1.36285E+07	1.36280E+07	1.36278E+07
	1.36275E+07	1.36272E+07	1.38026E+07	1.23110E+07	1.23106E+07	1.78074E+07	1.78165E+07	1.78379E+07	1.78263E+07	1.77012E+07
	1.75174E+07	1.68869E+07	1.47854E+07							
9	2.14167E+07	1.93152E+07	1.86847E+07	1.85017E+07	1.85054E+07	1.86041E+07	1.89809E+07	1.90516E+07	1.36292E+07	1.36291E+07
	1.36291E+07	1.36291E+07	1.36291E+07	1.36291E+07	1.36291E+07	1.36290E+07	1.36289E+07	1.36283E+07	1.36278E+07	1.36277E+07
	1.36273E+07	1.36271E+07	1.37972E+07	1.23109E+07	1.23105E+07	1.77924E+07	1.78014E+07	1.78236E+07	1.78105E+07	1.76853E+07
	1.75015E+07	1.68710E+07	1.47695E+07							
10	2.14008E+07	1.92993E+07	1.86688E+07	1.84858E+07	1.84937E+07	1.85908E+07	1.89650E+07	1.90346E+07	1.36290E+07	1.36290E+07
	1.36290E+07	1.36290E+07	1.36290E+07	1.36290E+07	1.36289E+07	1.36288E+07	1.36287E+07	1.36282E+07	1.36277E+07	1.36275E+07
	1.36272E+07	1.36269E+07	1.37829E+07	1.23108E+07	1.23104E+07	1.77772E+07	1.77864E+07	1.78094E+07	1.77946E+07	1.76694E+07
	1.74856E+07	1.68551E+07	1.47536E+07							
11	2.13771E+07	1.92756E+07	1.86451E+07	1.84620E+07	1.84764E+07	1.85706E+07	1.89419E+07	1.90098E+07	1.36289E+07	1.36288E+07
	1.36288E+07	1.36288E+07	1.36288E+07	1.36288E+07	1.36287E+07	1.36287E+07	1.36285E+07	1.36280E+07	1.36275E+07	1.36273E+07
	1.36270E+07	1.36267E+07	1.37629E+07	1.23106E+07	1.23102E+07	1.77545E+07	1.77639E+07	1.77882E+07	1.77709E+07	1.76457E+07
	1.74619E+07	1.68314E+07	1.47299E+07							
12	1.58460E+07	1.37444E+07	1.31140E+07	1.29309E+07	1.29745E+07	1.34247E+07	1.35692E+07	1.36259E+07	1.36287E+07	1.36287E+07
	1.36286E+07	1.36286E+07	1.36286E+07	1.36286E+07	1.36286E+07	1.36285E+07	1.36284E+07	1.36279E+07	1.36274E+07	1.36272E+07
	1.36269E+07	1.36266E+07	1.37455E+07	1.23105E+07	1.23100E+07	1.23094E+07	1.23014E+07	1.22651E+07	1.22398E+07	1.21146E+07
	1.19308E+07	1.13003E+07	9.19873E+06							
13	2.13304E+07	1.92288E+07	1.85983E+07	1.84152E+07	1.84204E+07	1.87960E+07	1.88493E+07	1.88501E+07	1.36285E+07	1.36284E+07
	1.36284E+07	1.36284E+07	1.36284E+07	1.36284E+07	1.36283E+07	1.36283E+07	1.36281E+07	1.36276E+07	1.36271E+07	1.36270E+07
	1.36266E+07	1.36263E+07	1.37164E+07	1.23103E+07	1.23098E+07	1.77251E+07	1.77243E+07	1.77413E+07	1.77243E+07	1.75989E+07
	1.74151E+07	1.67847E+07	1.46831E+07							
14	2.12758E+07	1.91742E+07	1.85438E+07	1.83606E+07	1.83519E+07	1.87483E+07	1.87956E+07	1.87956E+07	1.36280E+07	1.36280E+07
	1.36279E+07	1.36279E+07	1.36279E+07	1.36279E+07	1.36279E+07	1.36278E+07	1.36277E+07	1.36272E+07	1.36267E+07	1.36265E+07
	1.36262E+07	1.36259E+07	1.36753E+07	1.23099E+07	1.23094E+07	1.76735E+07	1.76690E+07	1.76836E+07	1.76699E+07	1.75444E+07
	1.73606E+07	1.67301E+07	1.46285E+07							
15	1.57342E+07	1.36326E+07	1.30022E+07	1.28190E+07	1.28041E+07	1.32765E+07	1.33663E+07	1.33904E+07	1.36278E+07	1.36277E+07
	1.36277E+07	1.36277E+07	1.36277E+07	1.36277E+07	1.36277E+07	1.36276E+07	1.36275E+07	1.36269E+07	1.36264E+07	1.36263E+07
	1.36260E+07	1.36257E+07	1.36590E+07	1.23096E+07	1.23092E+07	1.21400E+07	1.21273E+07	1.21406E+07	1.21284E+07	1.20028E+07
	1.18190E+07	1.11885E+07	9.08694E+06							
16	2.11030E+07	1.90014E+07	1.83709E+07	1.81875E+07	1.81375E+07	1.82037E+07	1.80369E+07	1.80087E+07	1.79067E+07	1.78691E+07
	1.78403E+07	1.77896E+07	1.77388E+07	1.77104E+07	1.76819E+07	1.76665E+07	1.76492E+07	1.75929E+07	1.75402E+07	1.75215E+07
	1.74597E+07	1.70400E+07	1.36197E+07	1.69902E+07	1.72081E+07	1.74899E+07	1.74879E+07	1.75027E+07	1.74978E+07	1.73716E+07
	1.71878E+07	1.65573E+07	1.44557E+07							
17	2.06435E+07	1.85420E+07	1.79115E+07	1.77277E+07	1.76154E+07	1.75920E+07	1.75095E+07	1.74939E+07	1.74258E+07	1.73958E+07
	1.73731E+07	1.73333E+07	1.72936E+07	1.72711E+07	1.72476E+07	1.72335E+07	1.72166E+07	1.71587E+07	1.71034E+07	1.70839E+07
	1.70178E+07	1.65033E+07	1.33535E+07	1.64975E+07	1.68142E+07	1.70347E+07	1.70330E+07	1.70491E+07	1.70409E+07	1.69122E+07
	1.67283E+07	1.60979E+07	1.39963E+07							
18	2.00124E+07	1.79108E+07	1.72804E+07	1.70965E+07	1.69677E+07	1.69073E+07	1.68719E+07	1.68633E+07	1.68357E+07	1.68206E+07
	1.68108E+07	1.67948E+07	1.67789E+07	1.67692E+07	1.67564E+07	1.67454E+07	1.67297E+07	1.66690E+07	1.66091E+07	1.65882E+07
	1.65100E+07	1.56572E+07	1.32623E+07	1.57738E+07	1.63904E+07	1.64571E+07	1.64535E+07	1.64532E+07	1.64117E+07	1.62811E+07
	1.60972E+07	1.54667E+07	1.33652E+07							
19	1.91799E+07	1.70783E+07	1.64478E+07	1.62640E+07	1.61327E+07	1.60691E+07	1.60516E+07	1.60459E+07	1.60372E+07	1.60301E+07
	1.60276E+07	1.60250E+07	1.60224E+07	1.60199E+07	1.60132E+07	1.60040E+07	1.59892E+07	1.59269E+07	1.58647E+07	1.58422E+07
	1.57390E+07	1.40468E+07	1.25577E+07	1.43048E+07	1.56780E+07	1.56572E+07	1.56523E+07	1.56399E+07	1.55798E+07	1.54485E+07
	1.52647E+07	1.46342E+07	1.25326E+07							
20	1.81459E+07	1.60443E+07	1.54139E+07	1.52300E+07	1.50986E+07	1.50355E+07	1.50206E+07	1.50153E+07	1.50094E+07	1.50036E+07
	1.50022E+07	1.50018E+07	1.50013E+07	1.50000E+07	1.49942E+07	1.49854E+07	1.49707E+07	1.49082E+07	1.48456E+07	1.48224E+07
	1.47041E+07	1.24383E+07	1.16336E+07	1.27999E+07	1.46611E+07	1.46284E+07	1.46232E+07	1.46087E+07	1.45459E+07	1.44146E+07
	1.42307E+07	1.36002E+07	1.14987E+07							
21	1.73557E+07	1.52543E+07	1.46239E+07	1.44400E+07	1.43086E+07	1.42456E+07	1.42308E+07	1.42256E+07	1.42199E+07	1.42142E+07
	1.42130E+07	1.42127E+07	1.42124E+07	1.42111E+07	1.42055E+07	1.41967E+07	1.41819E+07	1.41194E+07	1.40568E+07	1.40328E+07
	1.38928E+07	1.03911E+07	4.72396E+06	1.09751E+07	1.38676E+07	1.38388E+07	1.38336E+07	1.38190E+07	1.37560E+07	1.36246E+07
	1.34408E+07	1.28103E+07	1.07090E+07							
22	1.68579E+07	1.47568E+07	1.41264E+07	1.39426E+07	1.38112E+07	1.37482E+07	1.37335E+07	1.37282E+07	1.37226E+07	1.37169E+07
	1.37157E+07	1.37154E+07	1.37152E+07	1.37139E+07	1.37082E+07	1.36994E+07	1.36847E+07	1.36222E+07	1.35596E+07	1.35354E+07
	1.33916E+07	9.74103E+06	2.94200E+06	1.03450E+07	1.33695E+07	1.33415E+07	1.33363E+07	1.33217E+07	1.32587E+07	1.31273E+07
	1.29435E+07	1.23132E+07	1.02121E+07							
23	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	2.94371E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06	2.29653E+06
	2.29653E+06	2.29653E+06	2.29653E+06							
24	8.60343E+05	8.60344E+05	8.60344E+05	8.60344E+05	8.60344E+05	8.60344E+05	8.60344E+05	8.60344E+05	8.60344E+05	8.60344E+05
	8.60344E+05	8.60344E+05	8.60344E+05	8.60345E+05	8.60345E+05	8.60345E+05	8.60346E+05	8.60347E+05	8.60348E+05	8.60348E+05
	8.61398E+05	8.64731E+05	2.48225E+06	8.64697E+05	8.60507E+05	8.60344E+05	8.60344E+05	8.60344E+05	8.60344E+05	8.60344E+05
	8.60344E+05	8.60344E+05	8.60343E+05							
25	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	2.62232E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06	1.83774E+06
	1.83774E+06	1.83774E+06	1.83774E+06							
26	1.02356E+06	1.02370E+06	1.02381E+06	1.02388E+06	1.02396E+06	1.02402E+06	1.02404E+06	1.02405E+06	1.02416E+06	1.02438E+06
	1.02461E+06	1.02504E+06	1.02548E+06	1.02571E+06	1.02593E+06	1.02726E+06	1.02872E+06	1.03002E+06	1.03129E+06	1.03281E+06
	1.03871E+06	1.09893E+06	2.52299E+06	1.08051E+06	1.02784E+06	1.02417E+06	1.02415E+06	1.02412E+06	1.02405E+06	1.02396E+06

	1.02388E+06	1.02374E+06	1.02356E+06								
27	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	
	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	
	1.48191E+06	1.48191E+06	2.78425E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	1.48191E+06	
	1.48191E+06	1.48191E+06	1.48191E+06								
28	7.39853E+05	7.40161E+05	7.41503E+05	7.42446E+05	7.43587E+05	7.44452E+05	7.44754E+05	7.44875E+05	7.46419E+05	7.49458E+05	
	7.52802E+05	7.59003E+05	7.65204E+05	7.68548E+05	7.71587E+05	7.90617E+05	8.11436E+05	8.29852E+05	8.48096E+05	8.69789E+05	
	9.54155E+05	1.00942E+06	1.02375E+06	9.67460E+05	8.46497E+05	7.51383E+05	7.51026E+05	7.50250E+05	7.48470E+05	7.46135E+05	
	7.44073E+05	7.41067E+05	7.39583E+05								
29	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	
	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	
	1.01365E+05	2.37043E+05	2.68120E+05	2.17742E+05	1.01356E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	1.01355E+05	
	1.01355E+05	1.01355E+05	1.01355E+05								
30	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	
	1.01331E+05	*1.01332E+05*	*1.01331E+05*	*1.01331E+05*	*1.01331E+05*	*1.01331E+05*	*1.01331E+05*	*1.01331E+05*	*1.01331E+05*	*1.01331E+05*	
	1.01331E+05	1.01331E+05	1.21138E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	1.01331E+05	
	1.01331E+05	1.01331E+05	1.01331E+05								
31	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	
	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	
	1.01325E+05	1.01325E+05	1.15545E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	1.01325E+05	
	1.01325E+05	1.01325E+05	1.01325E+05								

Porosity dimensionless

Layer 1											
1	5.00000E-03	5.00000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	
	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	
	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	5.20000E-03	
	5.20000E-03	5.00000E-03	5.00000E-03								
2	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	
	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	
	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	5.00000E-03	
	5.00000E-03	5.00000E-03	5.00000E-03								
3	1.00001E-02	1.00000E-02	1.00000E-02	1.00000E-02	1.00001E-02	1.00004E-02	1.00004E-02	1.00004E-02	1.00001E-02	1.00000E-02	
	9.99999E-03	9.99987E-03	9.99975E-03	9.99968E-03	9.99962E-03	9.99967E-03	9.99957E-03	9.99578E-03	9.99251E-03	9.99259E-03	
	9.99310E-03	9.99326E-03	9.99415E-03	9.99511E-03	9.99511E-03	9.99810E-03	9.99818E-03	9.99891E-03	1.00000E-02	1.00000E-02	
	1.00000E-02	1.00000E-02	1.00000E-02								
4	1.00000E-02	9.99999E-03	9.99999E-03	1.00000E-02	1.00030E-02	1.00113E-02	1.00176E-02	1.00175E-02	1.00150E-02	1.00142E-02	
	1.00137E-02	1.00126E-02	1.00116E-02	1.00110E-02	1.00102E-02	1.00131E-02	1.00127E-02	9.97822E-03	9.95111E-03	9.95192E-03	
	9.95641E-03	9.95756E-03	9.96670E-03	9.97635E-03	9.97258E-03	9.98962E-03	9.99003E-03	9.99331E-03	9.99963E-03	9.99999E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
5	9.99999E-03	9.99999E-03	9.99999E-03	1.00001E-02	1.00088E-02	1.00217E-02	1.00398E-02	1.00378E-02	1.00292E-02	1.00273E-02	
	1.00276E-02	1.00280E-02	1.00283E-02	1.00260E-02	1.00191E-02	1.00302E-02	1.00277E-02	9.98282E-03	9.94999E-03	9.95131E-03	
	9.95710E-03	9.95644E-03	9.97294E-03	9.98565E-03	9.97455E-03	9.99090E-03	9.99191E-03	9.99477E-03	9.99950E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
6	1.00000E-02	1.00000E-02	1.00000E-02	1.00001E-02	1.00098E-02	1.00227E-02	1.00541E-02	1.00610E-02	1.07454E-02	1.07504E-02	
	1.07515E-02	1.07517E-02	1.07520E-02	1.07520E-02	1.07580E-02	1.07658E-02	1.07788E-02	1.08343E-02	1.08901E-02	1.09070E-02	
	1.09412E-02	1.09727E-02	7.50000E-02	9.87506E-03	9.89870E-03	1.89914E-02	1.89925E-02	1.89953E-02	1.89995E-02	1.90000E-02	
	1.90000E-02	1.90000E-02	1.90000E-02								
7	9.99999E-03	9.99999E-03	9.99999E-03	1.00001E-02	1.00103E-02	1.00235E-02	1.00557E-02	1.00621E-02	1.07572E-02	1.07622E-02	
	1.07633E-02	1.07636E-02	1.07638E-02	1.07649E-02	1.07699E-02	1.07777E-02	1.07907E-02	1.08463E-02	1.09021E-02	1.09190E-02	
	1.09533E-02	1.09848E-02	7.50000E-02	9.87504E-03	9.90962E-03	9.99120E-03	9.99236E-03	9.99520E-03	9.99948E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
8	9.99999E-03	9.99999E-03	9.99999E-03	1.00001E-02	1.00106E-02	1.00238E-02	1.00557E-02	1.00619E-02	2.04399E-01	2.04399E-01	
	2.04399E-01	2.04399E-01	2.04399E-01	2.04399E-01	2.04398E-01	8.98246E-02	2.04396E-01	2.04392E-01	2.04387E-01	8.98230E-02	
	1.00000E+00	1.00000E+00	7.50000E-02	1.00000E+00	1.00000E+00	9.99127E-03	9.99242E-03	9.99534E-03	9.99948E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
9	9.99999E-03	9.99999E-03	9.99999E-03	1.00001E-02	1.00109E-02	1.00240E-02	1.00557E-02	1.00618E-02	2.04398E-01	2.04398E-01	
	2.04398E-01	2.04398E-01	2.04398E-01	2.04398E-01	2.04397E-01	8.98244E-02	2.04395E-01	2.04390E-01	2.04385E-01	8.98228E-02	
	1.00000E+00	1.00000E+00	7.50000E-02	1.00000E+00	1.00000E+00	9.99134E-03	9.99249E-03	9.99547E-03	9.99948E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
10	9.99999E-03	9.99999E-03	9.99999E-03	1.00001E-02	1.00113E-02	1.00242E-02	1.00557E-02	1.00617E-02	2.04397E-01	2.04397E-01	
	2.04396E-01	2.04396E-01	2.04396E-01	2.04396E-01	2.04396E-01	8.98243E-02	2.04394E-01	2.04389E-01	2.04384E-01	8.98227E-02	
	1.00000E+00	1.00000E+00	7.50000E-02	1.00000E+00	1.00000E+00	9.99140E-03	9.99256E-03	9.99560E-03	9.99948E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
11	9.99999E-03	9.99999E-03	9.99999E-03	1.00001E-02	1.00118E-02	1.00245E-02	1.00557E-02	1.00616E-02	1.08208E-02	1.08258E-02	
	1.08270E-02	1.08272E-02	1.08274E-02	1.08285E-02	1.08336E-02	1.08414E-02	1.08545E-02	1.09104E-02	1.09665E-02	1.09816E-02	
	1.10180E-02	1.10497E-02	7.50000E-02	9.92015E-03	9.96824E-03	9.99148E-03	9.99266E-03	9.99580E-03	9.99949E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
12	1.90000E-02	1.90000E-02	1.90000E-02	1.90001E-02	1.90125E-02	1.90449E-02	1.90570E-02	1.90618E-02	1.08363E-02	1.08413E-02	
	1.08424E-02	1.08426E-02	1.08429E-02	1.08440E-02	1.08490E-02	1.08569E-02	1.08700E-02	1.09259E-02	1.09822E-02	1.09992E-02	
	1.10337E-02	1.10655E-02	7.50000E-02	9.93433E-03	9.98249E-03	1.89929E-02	1.89941E-02	1.89961E-02	1.89995E-02	1.90000E-02	
	1.90000E-02	1.90000E-02	1.90000E-02								
13	9.99999E-03	9.99999E-03	9.99999E-03	1.00000E-02	1.00110E-02	1.00465E-02	1.00520E-02	1.00525E-02	1.08624E-02	1.08675E-02	
	1.08686E-02	1.08688E-02	1.08691E-02	1.08702E-02	1.08752E-02	1.08831E-02	1.08962E-02	1.09523E-02	1.10087E-02	1.10258E-02	
	1.10604E-02	1.10922E-02	7.50000E-02	9.95834E-03	1.00066E-02	9.99288E-03	9.99323E-03	9.99579E-03	9.99949E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
14	9.99999E-03	9.99999E-03	9.99999E-03	1.00000E-02	1.00099E-02	1.00470E-02	1.00521E-02	1.00525E-02	1.09112E-02	1.09163E-02	
	1.09174E-02	1.09176E-02	1.09178E-02	1.09190E-02	1.09240E-02	1.09319E-02	1.09452E-02	1.10015E-02	1.10581E-02	1.10753E-02	
	1.11100E-02	1.11420E-02	7.50000E-02	1.00031E-02	1.00516E-02	9.99312E-03	9.99318E-03	9.99553E-03	9.99951E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
15	1.90000E-02	1.90000E-02	1.90000E-02	1.90000E-02	1.90092E-02	1.90485E-02	1.90541E-02	1.90550E-02	1.90730E-02	1.90737E-02	
	1.90738E-02	1.90738E-02	1.90738E-02	1.90739E-02	1.90742E-02	1.90749E-02	1.90760E-02	1.90808E-02	1.90856E-02	1.90870E-02	
	1.90899E-02	1.90906E-02	7.50000E-02	1.89920E-02	1.89977E-02	1.89935E-02	1.89934E-02	1.89956E-02	1.89995E-02	1.90000E-02	
	1.90000E-02	1.90000E-02	1.90000E-02								
16	9.99999E-03	9.99999E-03	9.99999E-03	1.00000E-02	1.00066E-02	1.00170E-02	1.00047E-02	1.00029E-02	9.99512E-03	9.99255E-03	
	9.99034E-03	9.98628E-03	9.98221E-03	9.98003E-03	9.97819E-03	9.97767E-03	9.97746E-03	9.97796E-03	9.97875E-03	9.97877E-03	
	9.97686E-03	9.94600E-03	7.50000E-02	9.94311E-03	9.96529E-03	9.99225E-03	9.99251E-03	9.99488E-03	9.99957E-03	9.99998E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
17	*9.99999E-03*	*9.99999E-03*	*9.99999E-03*	*9.99999E-03*	*1.00015E-02*	*1.00047E-02*	*9.99926E-03*	*9.99842E-03*	*9.99340E-03*	*9.99144E-03*	
	9.98971E-03	9.98654E-03	9.98336E-03	9.98166E-03	9.98022E-03	9.97979E-03	9.97962E-03	9.97999E-03	9.98057E-03	9.98052E-03	
	9.97828E-03	9.93981E-03	7.50000E-02	9.94044E-03	9.97055E-03	9.99259E-03	9.99287E-03	9.99536E-03	9.99977E-03	9.99999E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
18	9.99999E-03	9.99999E-03	9.99999E-03	9.99999E-03	1.00002E-02	1.00004E-02	9.99874E-03	9.99847E-03	9.99670E-03	9.99594E-03	
	9.99525E-03	9.99399E-03	9.99273E-03	9.99205E-03	9.99147E-03	9.99129E-03	9.99122E-03	9.99136E-03	9.99157E-03	9.99141E-03	
	9.98819E-03	9.92262E-03	7.50000E-02	9.93303E-03	9.98722E-03	9.99690E-03	9.99703E-03	9.99819E-03	9.99993E-03	9.99999E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
19	9.99999E-03	9.99999E-03	9.99999E-03	9.99999E-03	1.00000E-02	9.99995E-03	9.99973E-03	9.99969E-03	9.99944E-03	9.99933E-03	
	9.99923E-03	9.99904E-03	9.99885E-03	9.99875E-03	9.99866E-03	9.99864E-03	9.99862E-03	9.99864E-03	9.99867E-03	9.99838E-03	
	9.99315E-03	9.86064E-03	4.00000E-02	9.88224E-03	9.99689E-03	9.99953E-03	9.99956E-03	9.99974E-03	9.99998E-03	9.99999E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
20	9.99999E-03	9.99999E-03	9.99999E-03	9.99999E-03	9.99999E-03	9.99998E-03	9.99996E-03	9.99996E-03	9.99994E-03	9.99993E-03	
	9.99992E-03	9.99991E-03	9.99989E-03	9.99988E-03	9.99988E-03	9.99987E-03	9.99987E-03	9.99987E-03	9.99987E-03	9.99952E-03	
	9.99307E-03	9.81512E-03	4.00000E-02	9.84483E-03	9.99826E-03	9.99995E-03	9.99995E-03	9.99997E-03	9.99999E-03	9.99999E-03	
	9.99999E-03	9.99999E-03	9.99999E-03								
21	9.99997E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99999E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	
	9.99998E-03	9.99997E-03	9.99997E-03	9.99997E-03	9.99997E-03	9.99997E-03	9.99997E-03	9.99997E-03	9.99996E-03	9.99955E-03	
	9.99135E-03	9.71623E-03	7.50000E-02	9.76311E-03	9.99797E-03	9.99997E-03	9.99998E-03	9.99999E-03	9.99999E-03	9.99999E-03	
	9.99999E-03	9.99999E-03	1.00000E-02								
22	9.99993E-03	9.99997E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	
	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99998E-03	9.99955E-03	

	9.99104E-03	9.70428E-03	1.00000E-02	9.75268E-03	9.99792E-03	9.99998E-03	9.99999E-03	9.99999E-03	9.99999E-03	9.99999E-03
	1.00000E-02	1.00000E-02	1.00000E-02							
23	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.50000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01							
24	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01
	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01
	1.46000E-01	1.46000E-01	2.50000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01	1.46000E-01
	1.46000E-01	1.46000E-01	1.46000E-01							
25	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.50000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01							
26	9.00000E-02	9.00000E-02	9.00001E-02	9.00001E-02	9.00001E-02	9.00001E-02	9.00001E-02	9.00001E-02	9.00001E-02	9.00002E-02
	9.00002E-02	9.00003E-02	9.00004E-02	9.00004E-02	9.00005E-02	9.00007E-02	9.00010E-02	9.00013E-02	9.00015E-02	9.00018E-02
	9.00030E-02	9.00066E-02	2.50000E-01	9.00037E-02	9.00008E-02	9.00001E-02	9.00001E-02	9.00001E-02	9.00001E-02	9.00001E-02
	9.00001E-02	9.00000E-02	9.00000E-02							
27	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.50000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01	2.00000E-01
	2.00000E-01	2.00000E-01	2.00000E-01							
28	1.50000E-01	1.50006E-01	1.50020E-01	1.50029E-01	1.50041E-01	1.50049E-01	1.50052E-01	1.50053E-01	1.50069E-01	1.50099E-01
	1.50133E-01	1.50195E-01	1.50257E-01	1.50290E-01	1.50321E-01	1.50512E-01	1.50721E-01	1.50906E-01	1.51090E-01	1.51308E-01
	1.52162E-01	1.52723E-01	2.50000E-01	1.52297E-01	1.51073E-01	1.50119E-01	1.50115E-01	1.50107E-01	1.50089E-01	1.50066E-01
	1.50045E-01	1.50015E-01	1.50000E-01							
29	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01
	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01
	1.50000E-01	1.51363E-01	2.50000E-01	1.51169E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01	1.50000E-01
	1.50000E-01	1.50000E-01	1.50000E-01							
30	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	2.50000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	1.75000E-01							
31	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	2.50000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01	1.75000E-01
	1.75000E-01	1.75000E-01	1.75000E-01							

Gas saturation fraction void volume

Layer 1										
1	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
2	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
3	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	4.93054E-31	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
4	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	9.48650E-30	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
5	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00	2.50683E-25	0.00000E+00	0.00000E+00	0.00000E+00	6.94210E-25	6.60230E-22	4.12323E-21
	1.95907E-23	7.49361E-22	0.00000E+00	0.00000E+00	0.00000E+00	1.02431E-20	4.01948E-22	1.87356E-25	1.71072E-32	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
6	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.60346E-01	2.32716E-01	3.98027E-01	4.72983E-01
	3.08345E-01	1.60784E-67	1.76881E-51	3.04652E-01	4.73016E-01	3.39591E-01	3.85605E-01	5.35839E-01	6.44542E-01	6.27653E-01
	6.00413E-01	9.07602E-01	1.87087E-01	5.12414E-05	4.16611E-01	1.36254E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
7	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.13890E-25	2.76595E-25	9.35904E-01	9.35883E-01
	9.35584E-01	9.33383E-01	9.32677E-01	9.33448E-01	9.34619E-01	9.34073E-01	9.34201E-01	9.36998E-01	9.41756E-01	9.41874E-01
	9.38738E-01	9.56539E-01	1.90949E-01	5.82316E-05	9.37504E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
8	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.00000E+00	1.00000E+00
	1.00000E+00	1.00000E+00	1.00000E+00	1.00000E+00	1.00000E+00	9.05007E-01	1.00000E+00	1.00000E+00	1.00000E+00	9.37407E-01
	9.94375E-01	9.93391E-01	1.95548E-01	8.76521E-01	9.85138E-01	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
9	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	5.16498E-26	1.00000E+00	1.00000E+00
	1.00000E+00	1.00000E+00	1.00000E+00	1.00000E+00	1.00000E+00	7.84943E-01	1.00000E+00	1.00000E+00	1.00000E+00	8.73168E-01
	9.89606E-01	9.81544E-01	1.98514E-01	9.74431E-01	9.81166E-01	1.00159E-26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
10	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	2.79541E-26	9.16524E-28	9.99992E-01	9.99996E-01
	9.99997E-01	9.99996E-01	9.99995E-01	9.99996E-01	9.99996E-01	7.82156E-01	9.99996E-01	9.99996E-01	9.99996E-01	7.81436E-01
	9.76738E-01	9.76368E-01	1.98998E-01	9.75933E-01	9.75860E-01	1.11182E-25	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
11	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	9.17241E-01	9.27666E-01
	9.30782E-01	9.25451E-01	9.24442E-01	9.26393E-01	9.26995E-01	9.24754E-01	9.26964E-01	9.27173E-01	9.26245E-01	9.24090E-01
	9.24158E-01	9.34944E-01	2.00039E-01	9.23571E-01	9.18874E-01	5.77922E-21	1.62548E-24	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
12	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.36325E-01	4.49265E-01	4.57099E-01	4.58350E-01	9.12310E-01	9.21014E-01
	9.23783E-01	9.19393E-01	9.18423E-01	9.19912E-01	9.20454E-01	9.20370E-01	9.20433E-01	9.20615E-01	9.19977E-01	9.20004E-01
	9.20052E-01	9.29459E-01	2.00042E-01	9.19902E-01	9.16236E-01	3.62181E-01	3.10533E-01	5.34954E-02	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
13	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.31296E-23	1.47266E-25	0.00000E+00	3.56128E-26	9.12768E-01	9.21304E-01
	9.24017E-01	9.19740E-01	9.18787E-01	9.20224E-01	9.20756E-01	9.20676E-01	9.20737E-01	9.20914E-01	9.20294E-01	9.20321E-01
	9.20368E-01	9.29511E-01	2.00143E-01	9.20244E-01	9.16648E-01	2.49748E-24	0.00000E+00	8.09424E-25	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
14	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	6.01515E-28	2.56096E-26	6.59957E-24	0.00000E+00	9.23396E-01	9.27556E-01
	9.29025E-01	9.27364E-01	9.26840E-01	9.27014E-01	9.27301E-01	9.27260E-01	9.27296E-01	9.27385E-01	9.27192E-01	9.27211E-01
	9.27228E-01	9.30710E-01	2.47435E-02	9.27625E-01	9.25967E-01	0.00000E+00	5.84026E-24	3.89400E-26	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
15	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	4.13756E-04	2.40442E-01	3.54805E-01	3.96463E-01	4.22689E-01	4.14948E-01
	4.16266E-01	4.15907E-01	4.15558E-01	4.17125E-01	4.19410E-01	4.19720E-01	4.20467E-01	4.22941E-01	4.24922E-01	4.25655E-01
	4.27689E-01	4.65929E-01	2.63062E-02	3.89702E-01	3.54552E-01	5.51944E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
16	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.02898E-25	0.00000E+00	1.33127E-26	0.00000E+00	4.69401E-26	4.92173E-24
	0.00000E+00	0.00000E+00	3.91437E-36	3.07067E-25	2.95471E-27	2.87274E-33	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	3.91672E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
17	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	1.28640E-26	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	1.21626E-27	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	6.04929E-02	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00
	0.00000E+00	0.00000E+00	0.00000E+00							
18	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00	0.00000E+00

```
    4.39144E-31 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 1.03243E-01 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
19  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 1.36216E-01 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
20  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 2.11703E-01 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
21  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 1.30697E-01 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
22  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 4.46627E-01 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
23  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    4.34262E-72 1.56014E-13 4.70994E-02 1.08343E-13 4.39973E-73 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
24  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    6.34080E-02 2.04146E-01 3.16650E-02 2.03418E-01 1.06448E-02 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
25  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    1.36888E-71 2.33614E-13 4.05029E-02 1.62232E-13 1.73730E-72 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
26  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    6.14066E-70 1.48667E-01 2.69667E-02 1.37372E-01 2.45618E-32 0.00000E+00 0.00000E+00 0.00000E+00 1.05850E-42 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
27  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    6.61621E-71 4.35605E-14 2.64837E-02 3.02503E-14 9.11929E-72 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
28  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    9.13391E-70 2.13834E-17 1.57561E-01 1.55333E-17 3.62872E-32 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
29  8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01
    8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 7.99944E-01
    2.75220E-01 1.13202E-01 8.62647E-02 1.22603E-01 5.46265E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01
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    7.99999E-01 3.05318E-01 1.90771E-01 3.34823E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01
    8.00000E-01 8.00000E-01 8.00000E-01
31  8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01
    8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01
    8.00000E-01 8.00000E-01 2.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01 8.00000E-01
    8.00000E-01 8.00000E-01 8.00000E-01
-----------------------------------------------------------------------------------------------------------------------------
Fe concentration -- simple model                    kg/m^3
    Layer   1
 1  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
 2  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
 3  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
 4  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
    0.00000E+00 0.00000E+00 0.00000E+00
 5  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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 6  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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 7  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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 8  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 3.79716E+01 1.47250E+02
    1.47119E+02 1.56897E+02 1.47259E+02 6.58417E+01 1.47237E+02 0.00000E+00 1.35983E+02 1.47181E+02 1.47585E+02 0.00000E+00
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 9  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 1.43772E+02 1.56700E+02
    1.56700E+02 1.56700E+02 1.56700E+02 1.56700E+02 1.56700E+02 0.00000E+00 1.56700E+02 1.56700E+02 1.56700E+02 0.00000E+00
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    1.21040E+02 1.09141E+02 1.00650E+02 9.40696E+01 9.89393E+01 0.00000E+00 8.58573E+01 8.63110E+01 1.04339E+02 0.00000E+00
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13  0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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24 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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26 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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29 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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30 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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31 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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   0.00000E+00 0.00000E+00 0.00000E+00
-----------------------------------------------------------------------------------------------------------------------------
CH2O concentration -- simple model                    kg/m^3
   Layer   1
 1 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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   0.00000E+00 0.00000E+00 0.00000E+00
 2 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
   0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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 3 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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 4 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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 8 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 3.64595E-01
   3.57862E+01 8.57083E+01 3.65037E+01 0.00000E+00 3.63902E+01 0.00000E+00 0.00000E+00 3.61021E+01 3.81661E+01 0.00000E+00
   0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00
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 9 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 0.00000E+00 1.09236E+01 8.45789E-01
   8.45789E+01 8.45789E+01 8.45789E+01 8.45789E+01 8.45090E+01 0.00000E+00 8.45789E+01 8.45789E+01 8.45790E+01 0.00000E+00
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   0.00000E+00  0.00000E+00  0.00000E+00
10 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
11 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
12 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
13 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
14 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
15 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
16 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
17 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
18 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
19 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
20 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
21 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
22 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
23 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
24 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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   0.00000E+00  0.00000E+00  0.00000E+00
25 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
26 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
27 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
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   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
28 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
29 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
30 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
31 0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00  0.00000E+00
   0.00000E+00  0.00000E+00  0.00000E+00
```

Date: 01/25/96 Time: 18:26:55 CPU Time: 0 2: 6: 9.56 (7569.56 sec) ASCII

Time Step No. = 1121 Elapsed Time = 3.652431E+06 days
Date: 01/25/96 Time: 18:26:55 CPU Time: 0 2: 6: 9.76 (7569.76 sec) Binary

```
*************************************************************************
* End of BRAGFLO          Version: 4.00              Revised: 01/21/96  *
* Completed: 01/25/96 at 18:26:56    Run on: LARRY  - ALPHA AXP OpenVMS V6.1 *
*************************************************************************
```