

HOMEWORK #7

C:\Documents and Settings\wattenbarger\My Documents\CONSULTING\Latest xls versions\Gassir

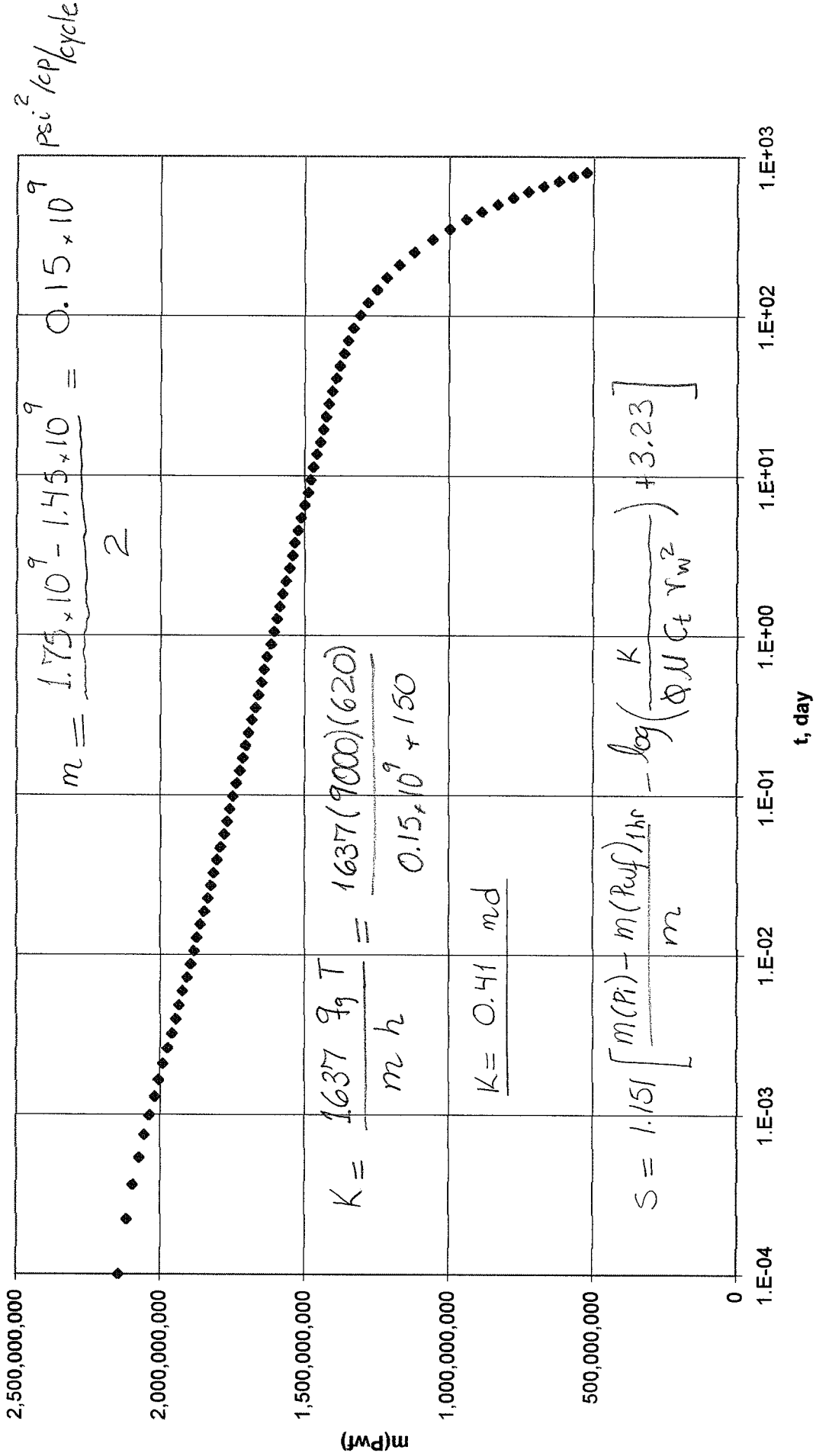
```

CASE
CMNT
CMNT Single      Value      Input  Data
IMAX           30
JMAX           1
RWEL           0.001
CROC           0.0000144
SWAT           0.2
CWAT           0.000003
PREF           7500
T              620
GRAV           0.68
NEWT           1
BETA           0
CMNT Bo,         rcf/scf      viscosity cp
CMNT           1.1         0.72
END
CMNT Grid        Input      Data
CMNT Geometrical spaced  grid  system
CMNT b           =          1.49
CMNT The        actual    value    of      rw      is      assigne to      the      first
RR              -1          1.491896
              0.25  0.3729739  0.5564  0.830147  1.2385  1.8477  2.7566  4.113  6.135462  9.153
              13.656018  20.373351  30.395  45.34603  67.652  100.93  150.58  224.6  335.1439  500
              550          600      650      700      750      800      850      900          950      1000
DELY           150
KX             0.45
KY             0.45
PHI            0.23
POI            7500
CMNT Gridblock 1 is for wellbore storage
WIND           1          1          1          1
PHIS           11.58
KX             1000000
KY             1000000
CMNT Gridblocks 2 through 8 have a reduced permeability, representing well damage
WIND           2          7          1          1
KX             0.97
KY             0.97
END
CMNT Schedule  Data
CMNT Well      No.      i      -      location j      -      location skin
NAME           1          1      1      0
CMNT Well      No.      scf/D
QG             1      9000000      (= 100 stb/d)
ALPH           1.2
DELT           0.0001
DTMX           50
WELL           1
PMAP           2
TIME           800
END

```


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Pseudo Pressure vs Time



$S = -5.17$