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


                 ****************
                 *   CORIBAND   *
                 ****************
                 * SCHLUMBERGER *
                 ****************


COMPANY    PHILLIPS PETROLEUM CO.

WELL       EVGSAU TRACT 2720 #005

FIELD      VACUUM GRAYBURG SAN ANDRES

COUNTY     LEA

STATE      NEW MEXICO

DATE       31-AUG-79

COMPUTED AT:-  PERMIAN BASIN COMPUTING CENTER


************************************************************


THIS JOB IS LISTED FROM TOP TO BOTTOM

THIS IS A 01 FOOT LISTING

LISTING IS DISCRIMINATED FOR VSH>50%

LISTING IS DISCRIMINATED FOR PHI<1.9%

PERMEABILITY = (62500(PHI**6))/(SW**2)      [10%<SW<50%]
```

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


                 ****************
                 *   CORIBAND   *
                 ****************
```

```
                         * SCHLUMBERGER *
                         ****************


      COMPANY    PHILLIPS PETROLEUM CO.

      WELL       EVGSAU TRACT 2720 #005

      FIELD      VACUUM GRAYBURG SAN ANDRES

      COUNTY     LEA

      STATE      NEW MEXICO

      DATE       31-AUG-79

      COMPUTED AT:-  PERMIAN BASIN COMPUTING CENTER


      ***********************************************************


      THIS JOB IS LISTED FROM TOP TO BOTTOM

      THIS IS A 01 FOOT LISTING

      LISTING IS DISCRIMINATED FOR VSH>50%

      LISTING IS DISCRIMINATED FOR PHI<1.9%

      PERMEABILITY = (62500(PHI**6))/(SW**2)      [10%<SW<50%]
```

```
  DEPTH PERM.TO  WATER   POROSITY   MATRIX   SHALE    CUMULATIVE
        OIL-GAS  SAT.  TOTAL SEC.  DENSITY  VOLUME  INTEGRATIONS
  FEET  (INDEX)   %      %     %    GM/CC     %     POR-FT  HC-FT


 4019.0   0.00   100    4.0   0.0   2.81     20     19.76   7.17

 4083.0   0.00   100    2.2   0.0   2.83      0     19.64   7.17
 4084.0   0.00   100    2.4   0.0   2.82      0     19.61   7.17

 4137.0   0.00   100    2.3   0.0   2.77      0     19.51   7.17

 4191.0   0.00   100    2.0   0.0   2.70      3     19.44   7.17

 4224.0   0.00   100    2.2   0.0   2.71     18     19.35   7.16
 4225.0   0.02    96    6.4   0.0   2.69     10     19.31   7.16
 4226.0   0.13    66    9.0   0.0   2.69      1     19.24   7.15
 4227.0   0.04    66    7.5   0.0   2.70      5     19.15   7.12
```

```
  4256.0      0.00     100       3.2     0.0        2.70          24        19.04       7.10
  4257.0      0.00     100       3.0     0.0        2.70          13        19.00       7.10
  4258.0      0.00     100       2.3     0.0        2.77           5        18.97       7.10

  4262.0      0.00     100       2.1     0.0        2.81           0        18.92       7.10

  4284.0      0.00      88       3.2     0.0        2.71           0        18.75       7.10
  4285.0      0.00      66       3.7     0.0        2.69           0        18.71       7.09

  4288.0      0.00     100       2.8     0.0        2.74           4        18.64       7.09
  4289.0      0.00      89       3.9     0.0        2.78           0        18.61       7.09
  4290.0      0.00     100       2.4     0.0        2.82           0        18.58       7.08

  4301.0      0.00     100       2.1     0.0        2.81           4        18.55       7.08
  4302.0      0.00     100       2.8     0.0        2.83           0        18.52       7.08

  4315.0      0.00      69       2.8     0.0        2.77           0        18.47       7.08
  4316.0      0.00      59       3.6     0.0        2.78           0        18.44       7.07
  4317.0      0.00      69       3.2     0.0        2.80           0        18.41       7.06
  4318.0      0.00      36       4.1     0.0        2.79           0        18.37       7.05
  4319.0      0.01      22       4.3     0.0        2.80           0        18.33       7.02
  4320.0      0.00      67       2.6     0.0        2.84           0        18.29       6.99

  4327.0      0.00     100       2.0     0.0        2.73          10        18.23       6.99
  4328.0      0.00     100       2.0     0.0        2.74           9        18.21       6.99

  4331.0      0.00     100       2.3     0.0        2.71          14        18.17       6.99
  4332.0      0.00     100       2.9     0.0        2.70          14        18.14       6.99
  4333.0      0.00      99       3.6     0.0        2.72          16        18.12       6.99
  4334.0      0.01      62       5.2     0.0        2.77           0        18.07       6.97
  4335.0      0.00     100       2.3     0.0        2.79           0        18.02       6.96
  4336.0      0.00     100       2.0     0.0        2.79           0        18.00       6.96
  4337.0      0.00     100       2.9     0.0        2.84           0        17.98       6.96
```

```
   DEPTH PERM.TO   WATER    POROSITY     MATRIX       SHALE      CUMULATIVE
         OIL-GAS    SAT.   TOTAL SEC.    DENSITY      VOLUME     INTEGRATIONS
   FEET  (INDEX)     %       %     %      GM/CC         %       POR-FT    HC-FT


  4338.0      0.00     100       2.5     0.0        2.84           0        17.95       6.96
  4339.0      0.00     100       2.4     0.0        2.82           0        17.93       6.96

  4341.0      0.00     100       2.3     0.0        2.72          15        17.90       6.96

  4343.0      0.00      76       3.5     0.0        2.78           0        17.85       6.96

  4379.0      0.00      31       2.1     0.0        2.81           0        17.68       6.96
  4380.0      0.09      13       5.5     1.1        2.79           0        17.65       6.93
  4381.0      0.22      15       6.6     1.9        2.83           0        17.59       6.88
  4382.0      0.00      39       2.5     0.0        2.84           0        17.53       6.83

  4393.0      0.00      47       2.3     0.0        2.85           0        17.41       6.82
  4394.0      0.00      29       2.5     0.0        2.84           0        17.39       6.81

  4407.0      0.00      28       2.1     0.2        2.83           0        17.25       6.76
  4408.0      0.00      25       3.9     0.0        2.84           0        17.22       6.75
  4409.0      0.03      21       5.3     0.0        2.84           0        17.18       6.72
  4410.0      0.06      17       5.6     0.3        2.83           0        17.13       6.67
  4411.0      0.47      12       7.1     1.6        2.83           0        17.06       6.62
  4412.0      0.02      17       4.5     0.8        2.83           0        17.00       6.56
  4413.0      0.00      20       2.6     0.1        2.85           0        16.96       6.53
  4414.0      0.00      16       3.2     0.3        2.84           0        16.94       6.51
  4415.0      0.00      24       2.2     0.0        2.84           0        16.90       6.49
```

4418.0	0.00	31	2.1	0.0	2.85	0	16.86	6.46
4429.0	0.00	30	2.2	0.3	2.83	0	16.77	6.43
4430.0	0.00	24	3.9	0.0	2.82	0	16.75	6.41
4431.0	0.00	25	3.4	0.0	2.82	0	16.71	6.38
4437.0	0.00	100	2.0	0.0	2.90	0	16.64	6.35
4459.0	0.15	6	5.4	0.6	2.83	0	16.58	6.33
4460.0	0.66	6	6.9	0.3	2.85	0	16.52	6.28
4461.0	8.90	6	10.6	1.8	2.86	0	16.44	6.20
4462.0	30.13	6	13.0	3.2	2.87	0	16.33	6.10
4463.0	46.71	7	14.0	3.7	2.86	0	16.20	5.97
4464.0	76.54	6	15.2	4.7	2.89	0	16.06	5.84
4465.0	69.82	7	15.0	7.3	2.89	0	15.90	5.70
4466.0	4.87	8	9.6	3.5	2.82	0	15.76	5.57
4467.0	2.69	10	8.8	1.6	2.86	0	15.67	5.49
4468.0	0.27	15	6.8	1.4	2.88	0	15.59	5.41
4469.0	0.18	12	5.9	1.2	2.83	0	15.52	5.36
4470.0	0.08	12	5.1	0.3	2.84	0	15.46	5.31
4471.0	0.37	14	7.1	0.4	2.86	0	15.41	5.26
4472.0	0.24	15	6.8	0.3	2.87	0	15.34	5.20
4473.0	0.01	21	4.3	0.0	2.85	0	15.27	5.14

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	HC-FT
4474.0	0.01	22	4.6	0.0	2.84	0	15.23	5.11
4475.0	0.01	23	4.3	0.0	2.87	0	15.19	5.08
4476.0	0.00	27	3.2	0.0	2.85	0	15.15	5.05
4477.0	0.00	28	2.7	0.5	2.87	0	15.12	5.03
4478.0	0.00	21	3.2	1.6	2.85	0	15.09	5.01
4479.0	0.00	17	3.5	1.8	2.86	0	15.06	4.98
4480.0	0.00	17	3.2	1.5	2.87	0	15.02	4.95
4493.0	0.00	50	2.3	0.0	2.86	0	14.92	4.92
4494.0	0.00	45	2.5	0.3	2.83	0	14.90	4.91
4495.0	0.00	45	2.8	0.5	2.82	0	14.87	4.90
4496.0	0.00	41	3.4	0.8	2.83	0	14.84	4.88
4497.0	0.00	100	3.2	0.0	2.82	5	14.81	4.87
4498.0	0.08	55	8.2	1.3	2.87	0	14.76	4.85
4499.0	0.00	100	2.7	1.3	2.85	0	14.69	4.83
4503.0	0.00	100	3.1	0.0	2.87	0	14.62	4.83
4504.0	0.00	100	3.8	0.0	2.85	0	14.58	4.83
4505.0	0.00	45	3.3	1.5	2.88	0	14.55	4.82
4506.0	0.00	80	2.1	0.0	2.86	0	14.52	4.81
4511.0	0.00	39	3.5	0.2	2.81	0	14.46	4.80
4512.0	0.00	44	4.0	0.8	2.83	0	14.43	4.78
4513.0	0.00	53	3.0	1.5	2.80	0	14.39	4.76
4515.0	0.16	29	7.8	0.0	2.81	0	14.35	4.75
4516.0	7.35	19	12.9	4.5	2.84	0	14.25	4.68
4517.0	0.00	52	4.4	0.2	2.84	0	14.14	4.60
4518.0	0.00	47	3.3	0.2	2.82	0	14.10	4.58
4519.0	0.05	26	6.2	2.2	2.83	0	14.06	4.56
4520.0	0.07	23	6.4	3.2	2.81	0	13.99	4.50
4521.0	0.00	31	3.6	0.7	2.82	0	13.94	4.46
4522.0	0.00	39	3.9	0.1	2.82	0	13.90	4.43
4523.0	0.00	99	4.4	0.0	2.84	12	13.86	4.41
4524.0	0.11	53	5.7	0.0	2.85	5	13.79	4.38
4525.0	0.00	100	2.9	0.0	2.86	28	13.73	4.36
4526.0	0.94	37	11.3	2.5	2.88	0	13.68	4.35
4527.0	0.18	25	7.6	1.9	2.87	0	13.58	4.28
4528.0	0.01	37	4.8	0.8	2.86	0	13.51	4.23

```
4530.0    0.01    50    5.2   0.0    2.87       5     13.47    4.22
4531.0    0.14    27    7.4   0.9    2.85       0     13.40    4.18
4532.0    0.01    41    5.4   0.6    2.86       0     13.34    4.13
4533.0    0.00    72    3.2   0.7    2.81      12     13.29    4.10
4534.0    0.00    43    3.9   0.1    2.81      12     13.25    4.09

4538.0    0.17    60    9.3   0.0    2.79      24     13.16    4.09
4539.0    0.78    47   11.9   0.0    2.76      21     13.06    4.04
```

```
 DEPTH PERM.TO  WATER   POROSITY    MATRIX     SHALE    CUMULATIVE
       OIL-GAS   SAT.  TOTAL SEC.   DENSITY    VOLUME   INTEGRATIONS
 FEET  (INDEX)    %      %     %     GM/CC       %      POR-FT   HC-FT


4540.0    1.88    45   15.6   0.0    2.75      20     12.94    3.98
4541.0    1.12    46   12.5   0.0    2.79      22     12.81    3.91
4542.0    0.30    48   10.7   0.9    2.85      24     12.70    3.85
4543.0    1.98    34   12.5   2.3    2.85       0     12.56    3.78
4544.0    0.17    42    8.9   1.5    2.85       0     12.46    3.71

4547.0    0.00   100    2.1   0.0    2.86       0     12.38    3.68

4550.0    0.00    73    3.9   0.3    2.85       0     12.32    3.67

4553.0    0.01    97    5.9   0.0    2.90      10     12.27    3.66
4554.0    0.00    98    4.8   0.0    2.84       0     12.20    3.65
4555.0    0.05    67    7.7   0.0    2.85       0     12.15    3.65

4560.0    0.00   100    2.8   0.0    2.85       0     12.05    3.62
4561.0    0.00    74    5.0   1.0    2.87       0     12.00    3.61

4569.0    0.00   100    2.8   0.0    2.81       0     11.91    3.60
4570.0    0.00   100    2.0   0.0    2.81       0     11.89    3.60

4575.0    0.00   100    5.0   0.0    2.86      10     11.85    3.60
4576.0    0.00   100    3.9   0.0    2.85       0     11.79    3.59

4580.0    0.00   100    2.3   0.0    2.82       0     11.73    3.59
4581.0    0.00   100    3.4   0.0    2.86       7     11.70    3.59
4582.0    0.01    95    5.5   0.8    2.87       0     11.65    3.59

4595.0    0.00   100    1.9   0.0    2.85       0     11.57    3.59
4596.0    0.00    73    2.3   0.0    2.84       0     11.55    3.59

4605.0    0.01    30    4.7   0.0    2.86       0     11.48    3.58
4606.0    0.02    27    5.3   0.3    2.85       0     11.43    3.54
4607.0    0.01    26    4.4   0.8    2.85       0     11.38    3.51
4608.0    0.00    27    3.2   0.0    2.84       0     11.34    3.48
4609.0    0.00    32    2.8   0.0    2.84       0     11.31    3.46
4610.0    0.00    34    2.6   0.0    2.85       0     11.28    3.44
4611.0    0.00    32    2.4   0.0    2.86       0     11.26    3.42
4612.0    0.00    22    3.4   0.5    2.85       0     11.23    3.40
4613.0    0.01    19    4.1   0.8    2.86       0     11.19    3.37
4614.0    0.01    18    4.3   1.1    2.85       0     11.15    3.34
4615.0    0.00    23    3.8   0.0    2.82       0     11.11    3.31
4616.0    0.01    25    5.0   0.0    2.83       0     11.07    3.28
4617.0    0.44    17    7.7   1.5    2.86       0     11.01    3.23
4618.0    0.05    19    5.5   1.1    2.86       0     10.94    3.18

4621.0    0.00    24    3.3   0.7    2.87       0     10.88    3.13
4622.0    0.00    25    3.1   0.6    2.85       0     10.85    3.11
4623.0    0.00    35    2.3   0.1    2.87       0     10.82    3.09
```

```
 DEPTH PERM.TO   WATER    POROSITY    MATRIX     SHALE      CUMULATIVE
       OIL-GAS    SAT.   TOTAL SEC.   DENSITY    VOLUME    INTEGRATIONS
 FEET  (INDEX)     %       %     %     GM/CC       %       POR-FT   HC-FT


4624.0     0.00     30     2.9   0.1    2.82        0      10.80    3.07
4625.0     0.05     21     5.7   1.1    2.80        0      10.76    3.04
4626.0     0.10     22     6.6   0.3    2.83        0      10.69    2.99
4627.0     0.00     41     3.1   0.0    2.85        0      10.63    2.95
4628.0     0.00     23     3.2   0.0    2.84        0      10.60    2.93
4629.0     0.04     16     5.0   0.0    2.85        0      10.57    2.90
4630.0     0.07     18     5.9   0.3    2.85        0      10.51    2.85
4631.0     0.04     19     5.4   1.1    2.87        0      10.45    2.80
4632.0     0.04     15     5.0   1.2    2.86        0      10.40    2.76
4633.0     0.80     10     7.3   2.5    2.85        0      10.35    2.71
4634.0     1.07     10     7.5   3.0    2.83        0      10.27    2.65
4635.0     0.00     38     3.0   0.2    2.86        0      10.21    2.59
4636.0     0.00     71     2.3   0.0    2.85        0      10.18    2.58
4637.0     0.01     33     4.9   0.9    2.85        0      10.15    2.57
4638.0     0.00     35     4.1   0.3    2.83        0      10.10    2.53
4639.0     0.00     74     2.0   0.0    2.82        0      10.06    2.51

4643.0     0.00    100     1.9   0.0    2.86        0      10.00    2.50
4644.0     0.00     57     3.6   0.0    2.87        0       9.97    2.50
4645.0     0.00     32     3.3   1.5    2.82        0       9.93    2.48

4659.0     0.00    100     3.8   0.0    2.84        0       9.81    2.46
4660.0     0.00    100     2.9   0.8    2.83        0       9.77    2.46

4662.0     0.00     57     2.2   0.0    2.81        0       9.73    2.46
4663.0     0.00     56     2.8   1.0    2.79        0       9.71    2.46

4684.0     0.00    100     2.0   0.0    2.81        0       9.60    2.44
4685.0     0.00    100     2.7   0.0    2.85        0       9.58    2.44
4686.0     0.00    100     2.1   0.2    2.85        0       9.55    2.44

4691.0     0.02     36     5.7   1.3    2.81        0       9.51    2.44
4692.0     0.04     35     6.5   3.1    2.86        0       9.45    2.40
4693.0     0.00     54     3.8   1.1    2.86        0       9.39    2.37
4694.0     0.00     42     4.3   1.6    2.87        0       9.35    2.35
4695.0     0.00     52     3.5   1.8    2.83        0       9.31    2.32
4696.0     0.00     69     2.4   1.2    2.82        0       9.28    2.31

4704.0     0.00     72     4.7   0.0    2.85        0       9.21    2.30
4705.0     0.00     76     2.9   0.6    2.85        0       9.16    2.29
4706.0     0.00     41     4.0   1.8    2.82        0       9.13    2.28
4707.0     0.00     39     3.5   0.8    2.84        0       9.09    2.25
4708.0     0.00     63     2.4   0.1    2.81        0       9.06    2.24
4709.0     0.00     98     4.4   0.0    2.81        0       9.03    2.23
4710.0     0.01     75     5.6   0.0    2.81        0       8.99    2.23

4713.0     0.00     56     4.9   0.3    2.85        0       8.92    2.22
4714.0     0.00     53     5.0   1.0    2.87        0       8.88    2.20
```

```
 DEPTH PERM.TO   WATER    POROSITY    MATRIX     SHALE      CUMULATIVE
       OIL-GAS    SAT.   TOTAL SEC.   DENSITY    VOLUME    INTEGRATIONS
 FEET  (INDEX)     %       %     %     GM/CC       %       POR-FT   HC-FT
```

4715.0	0.00	65	5.2	1.0	2.81	0	8.82	2.18
4716.0	0.01	59	6.1	1.5	2.81	0	8.77	2.16
4717.0	0.01	64	5.9	0.3	2.81	0	8.71	2.13
4718.0	0.01	92	5.3	0.0	2.87	0	8.65	2.12
4719.0	0.01	99	5.6	0.0	2.93	0	8.60	2.12
4720.0	0.01	100	5.9	0.0	2.84	0	8.54	2.12
4721.0	0.00	100	5.1	0.0	2.89	0	8.48	2.12
4722.0	0.00	100	4.2	0.0	2.87	0	8.43	2.12
4723.0	0.00	100	4.3	0.9	2.84	0	8.39	2.12
4724.0	0.00	100	4.1	1.5	2.83	0	8.35	2.12
4725.0	0.00	100	2.9	0.3	2.81	0	8.31	2.12
4726.0	0.00	100	2.6	0.4	2.84	0	8.29	2.12
4727.0	0.00	67	3.8	0.2	2.81	0	8.26	2.12
4728.0	0.03	41	6.8	0.3	2.65	0	8.22	2.10
4729.0	0.24	46	9.7	3.1	2.87	0	8.14	2.05
4730.0	0.08	59	8.2	1.9	2.84	0	8.04	2.00
4731.0	0.00	100	4.7	0.2	2.85	0	7.97	1.99
4732.0	0.01	99	6.0	0.3	2.85	0	7.92	1.98
4733.0	0.18	63	9.4	3.3	2.85	0	7.85	1.98
4734.0	0.18	65	9.4	3.3	2.85	0	7.75	1.93
4735.0	0.04	99	7.5	0.4	2.85	0	7.66	1.90
4736.0	0.08	95	8.2	0.4	2.89	0	7.58	1.90
4737.0	0.38	66	10.7	3.6	2.81	0	7.49	1.89
4738.0	0.09	96	8.4	1.7	2.85	0	7.39	1.86
4739.0	0.03	99	7.1	0.4	2.89	0	7.31	1.86
4740.0	0.02	100	6.6	0.3	2.88	0	7.24	1.86
4741.0	0.02	100	6.5	0.3	2.87	0	7.18	1.86
4742.0	0.02	97	6.7	0.0	2.84	0	7.11	1.86
4743.0	0.05	75	7.7	1.5	2.84	0	7.04	1.85
4744.0	0.08	66	8.2	1.6	2.85	0	6.97	1.83
4745.0	0.13	64	8.9	1.8	2.87	0	6.88	1.81
4746.0	0.49	50	11.2	3.9	2.88	0	6.79	1.77
4747.0	0.69	48	11.6	4.6	2.8	0	6.67	1.71
4748.0	1.23	46	12.7	4.3	2.87	0	6.55	1.65
4749.0	7.17	35	15.5	6.4	2.90	0	6.42	1.57
4750.0	9.90	31	15.9	7.5	2.87	0	6.26	1.47
4751.0	7.40	33	15.4	7.7	2.8	0	6.10	1.36
4752.0	2.73	36	13.4	6.7	2.85	0	5.95	1.26
4753.0	0.12	55	8.9	4.2	2.82	0	5.83	1.19
4754.0	0.05	76	7.6	3.7	2.83	0	5.75	1.16
4755.0	0.37	55	10.7	4.7	2.85	0	5.66	1.13
4756.0	0.12	71	8.9	1.7	2.84	0	5.56	1.09
4757.0	0.09	99	8.4	1.7	2.85	0	5.48	1.08
4758.0	0.10	97	8.6	2.9	2.85	0	5.40	1.08
4759.0	0.01	100	6.0	0.5	2.85	0	5.32	1.08
4760.0	0.01	100	5.7	0.0	2.85	0	5.26	1.08
4761.0	0.02	95	6.5	0.0	2.85	0	5.20	1.08
4762.0	0.02	83	6.3	0.0	2.84	0	5.14	1.07

DEPTH FEET	PERM.TO OIL-GAS (INDEX)	WATER SAT. %	POROSITY TOTAL %	POROSITY SEC. %	MATRIX DENSITY GM/CC	SHALE VOLUME %	CUMULATIVE INTEGRATIONS POR-FT	CUMULATIVE INTEGRATIONS HC-FT
4763.0	0.01	75	6.1	0.0	2.89	0	5.07	1.06
4764.0	0.01	99	5.4	0.3	2.89	0	5.01	1.04
4765.0	0.02	83	6.3	1.3	2.87	0	4.96	1.03
4766.0	0.00	100	3.9	0.2	2.82	0	4.90	1.03
4767.0	0.02	100	6.5	0.0	2.81	0	4.86	1.03
4768.0	0.22	100	9.8	0.0	2.88	0	4.78	1.03
4769.0	0.11	100	8.7	0.0	2.90	0	4.69	1.03
4770.0	0.22	100	9.8	0.0	2.90	0	4.60	1.03
4771.0	0.16	100	9.3	0.0	2.88	0	4.50	1.03
4772.0	0.19	100	9.5	0.0	2.87	0	4.40	1.03
4773.0	0.54	100	11.4	0.6	2.89	0	4.30	1.03

```
  4774.0      5.59      69     16.8     5.1       2.88           0           4.18       1.03
  4775.0      5.03      69     16.5     4.7       2.88           0           4.01       0.97
  4776.0      2.21      79     14.4     2.9       2.86           0           3.85       0.93
  4777.0      1.64      76     13.7     2.7       2.88           0           3.71       0.90
  4778.0      0.26      99     10.0     0.5       2.87           0           3.59       0.88
  4779.0      0.07     100      8.1     0.0       2.85           0           3.49       0.88
  4780.0      0.02     100      6.4     0.0       2.87           0           3.41       0.88
  4781.0      0.01     100      5.9     0.0       2.87           0           3.35       0.88
  4782.0      0.04     100      7.3     0.0       2.86           0           3.29       0.88
  4783.0      0.17      98      9.4     0.0       2.84           0           3.21       0.88
  4784.0      0.24      95     10.0     0.0       2.86           0           3.12       0.88
  4785.0      1.10      68     12.8     2.6       2.88           0           3.01       0.87
  4786.0      2.27      58     14.4     4.8       2.86           0           2.88       0.82
  4787.0      2.14      57     14.3     4.5       2.86           0           2.74       0.77
  4788.0      5.12      51     16.5     5.9       2.89           0           2.59       0.70
  4789.0      4.23      51     16.0     6.2       2.87           0           2.42       0.62
  4790.0      1.83      48     13.8     6.1       2.86           0           2.27       0.55
  4791.0      3.20      46     14.9     7.1       2.90           0           2.13       0.47
  4792.0      0.30      77     10.3     2.1       2.87           0           1.99       0.41
  4793.0      0.10      98      8.6     0.4       2.88           0           1.90       0.40
  4794.0      0.45      68     11.0     2.2       2.88           0           1.81       0.40
  4795.0      0.79      60     12.1     3.0       2.87           0           1.70       0.36
  4796.0      2.47      42     13.9     6.5       2.86           0           1.57       0.30
  4797.0      0.63      47     11.4     5.7       2.84           0           1.43       0.22
  4798.0      0.00     100      3.6     1.9       2.86           0           1.34       0.19
  4799.0      0.00      98      4.6     2.3       2.85           0           1.30       0.19
  4800.0      0.00     100      2.7     1.0       2.84           0           1.26       0.19
  4801.0      0.00     100      2.0     0.0       2.88           0           1.23       0.19
  4802.0      0.00     100      2.0     0.9       2.80           0           1.21       0.19
  4803.0      0.02     100      6.3     0.0       2.61           0           1.17       0.19
  4804.0      2.72     100     14.9     0.0       2.61           0           1.08       0.19
  4805.0      0.40     100     10.8     0.0       2.89           0           0.95       0.19
  4806.0      0.59     100     11.5     0.6       2.87           0           0.85       0.19
  4807.0      0.28      82     10.2     0.5       2.85           0           0.72       0.17
  4808.0      0.00     100      4.3     0.0       2.87           0           0.64       0.16

  4810.0      0.00     100      2.3     0.0       2.86           0           0.58       0.16

- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -

   DEPTH  PERM.TO    WATER    POROSITY      MATRIX       SHALE      CUMULATIVE
           OIL-GAS    SAT.   TOTAL  SEC.   DENSITY      VOLUME    INTEGRATIONS
   FEET   (INDEX)      %       %     %      GM/CC         %      POR-FT    HC-FT


  4811.0      0.00     100      3.4     0.0       2.88           0           0.56       0.16
  4812.0      0.00     100      4.2     0.2       2.84           0           0.52       0.16
  4813.0      0.01      79      6.2     2.2       2.83           0           0.47       0.16
  4814.0      0.03      84      7.2     3.6       2.85           0           0.41       0.14
  4815.0      0.08      72      8.3     3.2       2.86           0           0.33       0.12
  4816.0      0.18      51      9.5     4.4       2.88           0           0.24       0.10
  4817.0      0.07      47      7.9     2.8       2.89           0           0.16       0.06
  4818.0      0.01      69      5.4     0.3       2.89           0           0.08       0.02
  4819.0      0.01      75      5.9     0.0       2.87           0           0.03       0.01
```

```
  CCCCCCCC      OOOOOO      RRRRRRRR        CCCCCCCC    UU      UU      SSSSSSSS
  CCCCCCCC      OOOOOO      RRRRRRRR        CCCCCCCC    UU      UU      SSSSSSSS
CC            OO      OO    RR      RR    CC            UU      UU    SS
CC            OO      OO    RR      RR    CC            UU      UU    SS
CC            OO      OO    RR      RR    CC            UU      UU    SS
CC            OO      OO    RR      RR    CC            UU      UU    SS
CC            OO      OO    RRRRRRRR      CC            UU      UU      SSSSSS
CC            OO      OO    RRRRRRRR      CC            UU      UU      SSSSSS
CC            OO      OO    RR  RR        CC            UU      UU            SS
CC            OO      OO    RR  RR        CC            UU      UU            SS
CC            OO      OO    RR    RR      CC            UU      UU            SS
CC            OO      OO    RR    RR      CC            UU      UU            SS
  CCCCCCCC      OOOOOO      RR      RR      CCCCCCCC    UUUUUUUUUU    SSSSSSSS
  CCCCCCCC      OOOOOO      RR      RR      CCCCCCCC    UUUUUUUUUU    SSSSSSSS


  000000        000000        333333
  000000        000000        333333
00      00    00      00    33      33
00      00    00      00    33      33
00    0000    00    0000            33
00    0000    00    0000            33
00  00  00    00  00  00          33
00  00  00    00  00  00          33
0000    00    0000    00            33
0000    00    0000    00            33
00      00    00      00    33      33
00      00    00      00    33      33
  000000        000000        333333
  000000        000000        333333
```

```
 *START* USER PBCC  [6572,53346]  JOB  CORCUS SEQ. 5855 DATE 10-SEP-79 08:09:04
MONITOR SWS KL10E34 JUL-79. *START*
FILE: DSKD:CORCUS.003<057>[6572,53346] CREATED: 08-SEP-79 14:18:39
         PRINTED: 10-SEP-79 08:11:18
QUEUE SWITCHES:  /FILE:FORT /COPIES:3
        /SPACING:1 /LIMIT:230 /FORMS:NARROW
```

RECEIVED

SEP 13 1979

O.C.C.
ARTESIA, OFFICE

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


                      ****************
                      *   CORTLAND   *
                      ****************
                      * SCHLUMBERGER *
                      ****************


COMPANY    PHILLIPS PETROLEUM CO.

WELL       EVGSAU TRACT 2720 #005

FIELD      VACUUM GRAYBURG SAN ANDRES

COUNTY     LEA

STATE      NEW MEXICO

DATE       31-AUG-79

COMPUTED AT:-  PERMIAN BASIN COMPUTING CENTER


**************************************************************


THIS JOB IS LISTED FROM TOP TO BOTTOM

THIS IS A 01 FOOT LISTING

LISTING IS DISCRIMINATED FOR VSH>50%

LISTING IS DISCRIMINATED FOR PHI<1.9%

PERMEABILITY = (62500(PHI**6))/(SW**2)      [10%<SW<50%]
```