OR277

313786

Amoco Australia Petroleum Company

BASS BASIN

COMPUTER LOG ANALYSIS DISPLAYS
YURONGI-1
PART-4

Aug. 1987	R-87-051, Appendix F
P. Stokes	Enclosure: 21

5 cm

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  ESSO                          YURONGI 1                             Z12720
PRESSURE VS DEPTH PLOTS
MUD WEIGHT , RFT AND DRILL STEM TEST PRESSURES
WILL BE PLOTTED IF AVAILABLE
SYMBOL X = INDICATED MUD WEIGHT PRESSURE
SYMBOL # = INDICATED RFT PRESSURE
SYMBOL 0 = INDICATED DST PRESSURE
XYTOP= 4299.00 XYBOT= 7999.00 HOLCATE=NO   DATE=09/03/87
SYMBOL=X CONDITIONS=SAW2.EQ.100
    38 SYMBOL 'X' POINTS AVAIL AVERAGE MWPRES=  2849.97 AVERAGE DEPTH =  6149.00
JOB NAME=YUR000AA,  PLOT TAPE VOL. SER.=TD8749
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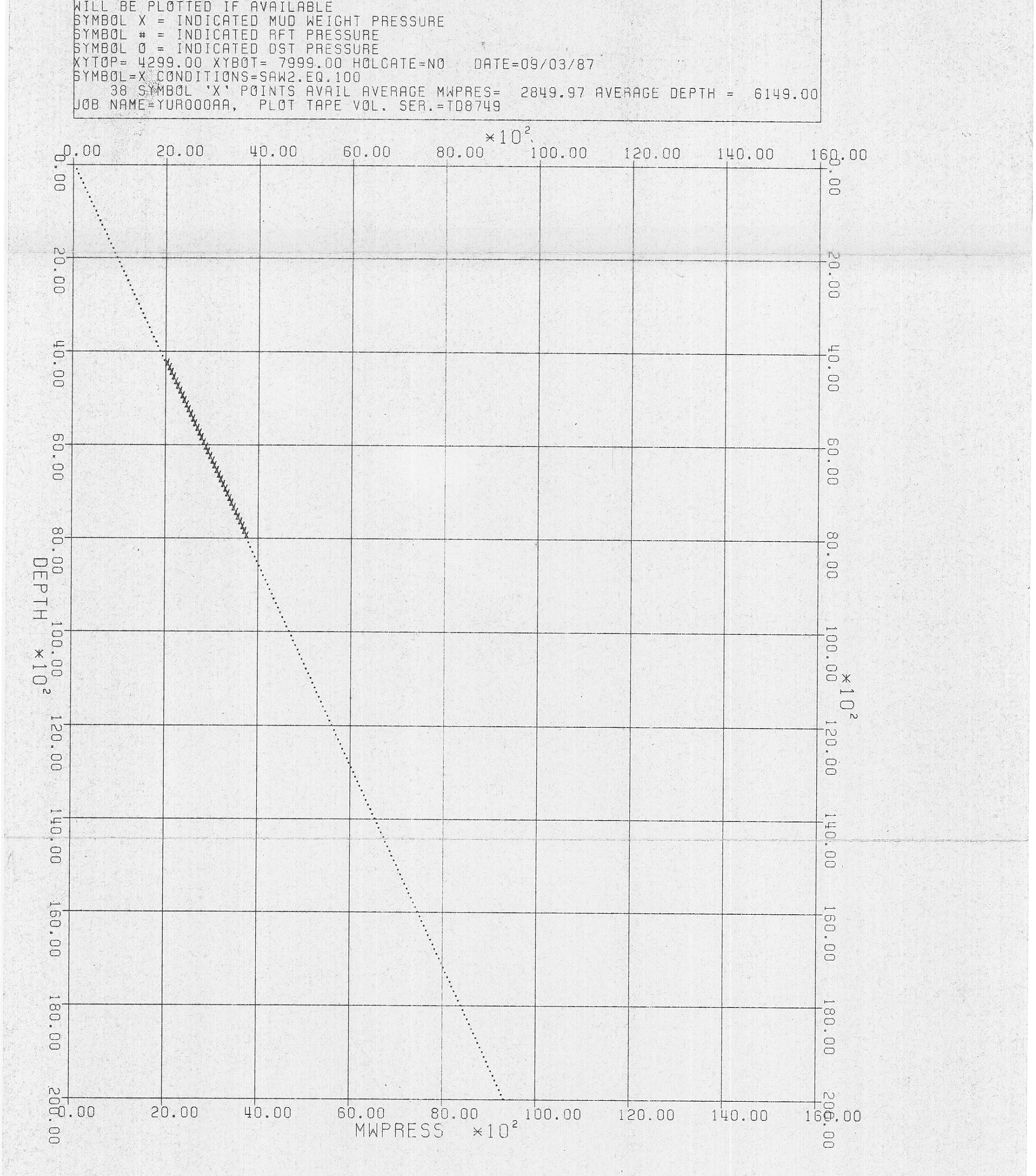

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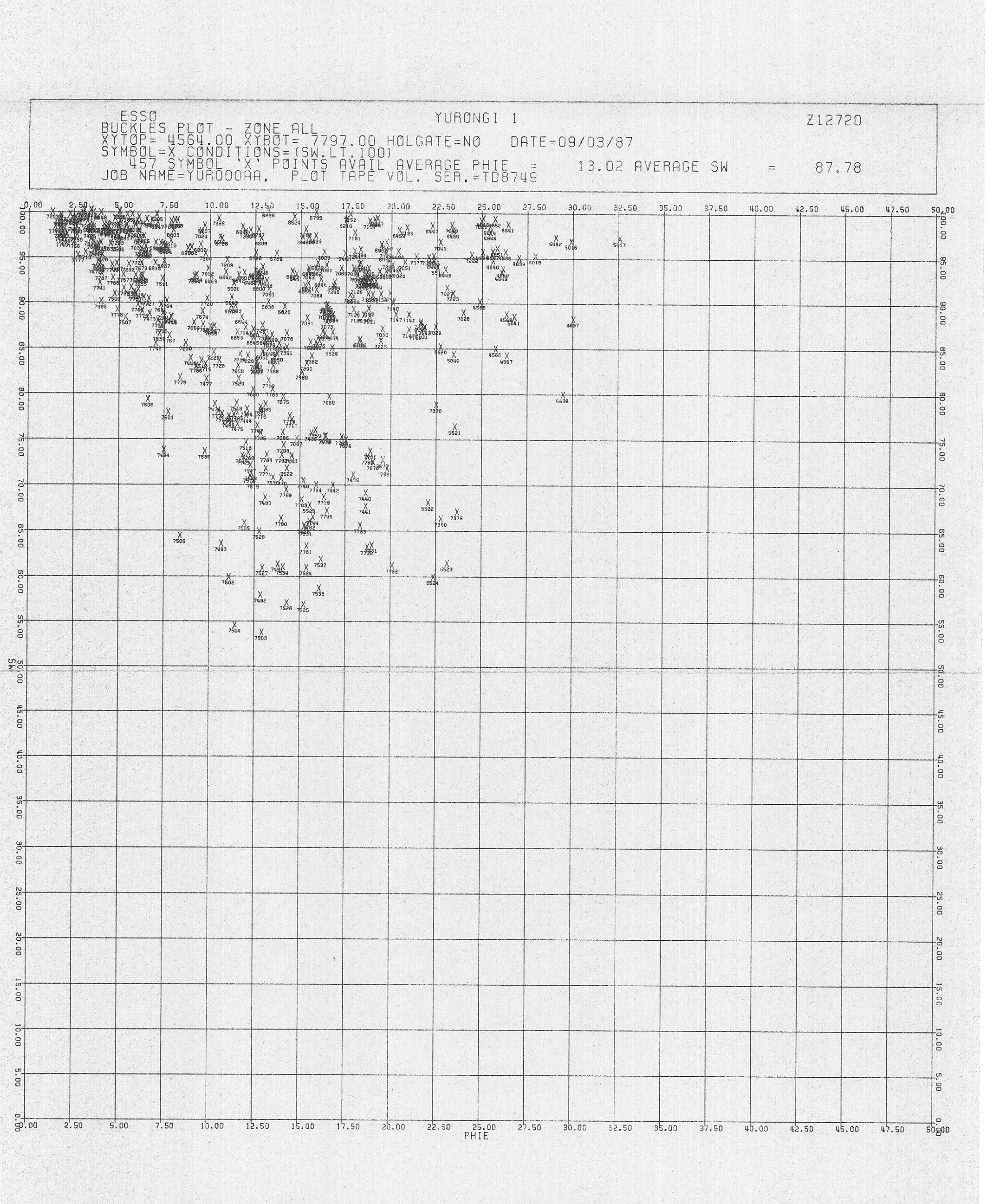
  ESSO                          YURONGI 1                             Z12720
BUCKLES PLOT - ZONE ALL
XYTOP= 4564.00 XYBOT= 7797.00 HOLGATE=NO   DATE=09/03/87
SYMBOL=X CONDITIONS=(SW.LT.100)
    457 SYMBOL 'X' POINTS AVAIL AVERAGE PHIE  =     13.02 AVERAGE SW     =    87.78
JOB NAME=YUR000AA,  PLOT TAPE VOL. SER.=TD8749
```



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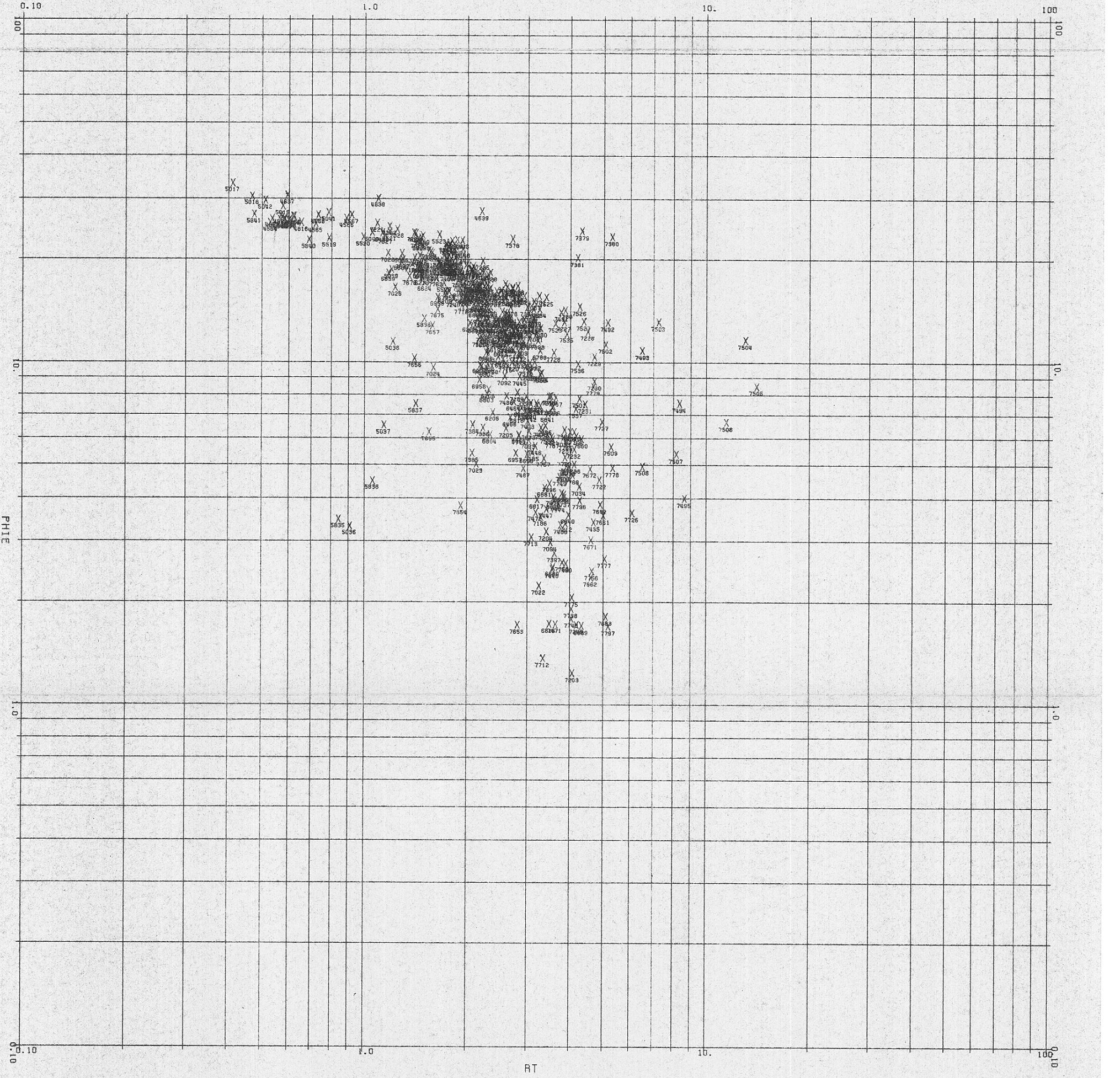
  ESSO                          YURONGI 1                             Z12720
PICKETT PLOT - ZONE ALL
XYTOP= 4564.00 XYBOT= 7797.00 HOLGATE=NO   DATE=09/03/87
SYMBOL=X CONDITIONS=(SW.LT.100)
    457 SYMBOL 'X' POINTS AVAIL AVERAGE RT     =     2.63 AVERAGE PHIE  =    13.02
JOB NAME=YUR000AA,  PLOT TAPE VOL. SER.=TD8749
```



5 cm

AMOCO PRODUCTION COMPANY

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  ESSO                          YURONGI 1                             Z12720
***************************************************************************
PLOT SCALE       = 1:      500.0000
DEPTH REFERENCE = MDEP
UNITS            = MTRS
*************** PROBABLE PAY *********************************************
   ZONE        ZONE TOP        ZONE BOT         NET            AVE.      AVE.
                                             PROBABLE PAY  POROSITY      SW
1  ALL        1722.1409       2432.6384
2
3
4
5
6
7
8
9
10
TOTAL PROBABLE PAY IN ACTIVE INTERVAL
      1301.5117      2438.4297
*************** POSSIBLE PAY *********************************************
   ZONE         ZONE TOP       ZONE BOT          NET            AVE.        AVE.
                                             POSSIBLE PAY,  POROSITY       SW
1  ALL        1722.1409       2432.6384      27.7371         14.8417      69.5840
2
3
4
5
6
7
8
9
10
TOTAL POSSIBLE PAY IN ACTIVE INTERVAL
      1301.5117      2438.4297          27.7371        14.8417         69.5840
************ NET LITHOLOGY THICKNESS **************************************
*************** BY DEFINED ZONES      **************************************
        NET SAND       NET SHSD        NET SHALE    NET COAL   NET CARBONATE
1       295.3547        167.0324        581.8701      63.3992     13.7162
2
3
4
5
6
7
8
9
10
TOTAL NET LITHOLOGY IN ACTIVE INTERVAL
ACTIVE TOP=   1301.5117,  ACTIVE BOT =   2438.4297
      295.3547        167.0324        581.8701      63.3992        13.7162
***************************************************************************
*     SUMMARY OF IMPORTANT CONSTANTS USED AND/OR COMPUTED IN THIS ANALYSIS    *
* ---------------------------------------------------------------             *
* -----------------PAY CUTOFFS-----------------------------                  *
* THICKNESS GREATER THAN 3 FEET (1 METER)                                     *
* PROBABLE PAY: SW LESS THAN 50%                                              *
* POSSIBLE PAY: SW GREATER THAN 50% BUT LESS THAN 80%                         *
* ------------CONSTANTS USED FOR SW CALCULATION------------                  *
*      A=       0.8100                                                        *
*      M=          2                                                          *
*      N=          2                                                          *
*  METHOD USED TO COMPUTE VSH                                                 *
*   1. GAMMA RAY            =YES                                              *
*   2. SP                   =NO                                               *
*   3. RHOMAA               =NO                                               *
*   4. TMAA                 =NO                                               *
*  METHOD USED TO COMPUTE SW                                                  *
*   1. ARCHIE=              =NO                                               *
*   2. DUAL WATER           =YES                                              *
*   3. MODIFIED SIMANDOUX=NO                                                  *
* ------------- CURVE DEFINITIONS --------------------                       *
* GRCORR : GR CORRECTED FOR HOLE SIZE AND MUDWEIGHT                           *
* SPCORR : SP CORRECTED FOR DRIFT                                             *
* CL     : CALIPER FROM RESISTIVITY TOOL                                      *
* VSH    : VOLUME OF SHALE                                                    *
* RT     : DEEP RESISTIVITY - CORRECTED FOR BOREHOLE ENVIRONMENT              *
* RXO    : SHALLOW RESISTIVITY - CORRECTED FOR BOREHOLE ENVIRONMENT           *
* PHIE   : PHIE - PHIND X (1-VSH)                                             *
* BVW    : PHIE X SW                                                          *
* BVWXO  : PHIE X SXO                                                         *
***************************************************************************
DATE=09/03/87
```