OR 277

Amoco Australia Petroleum Comp...

BASS BASIN

COMPUTER LOG ANALYSIS DISPLAYS
YURONGI-1
PART-4

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

313786

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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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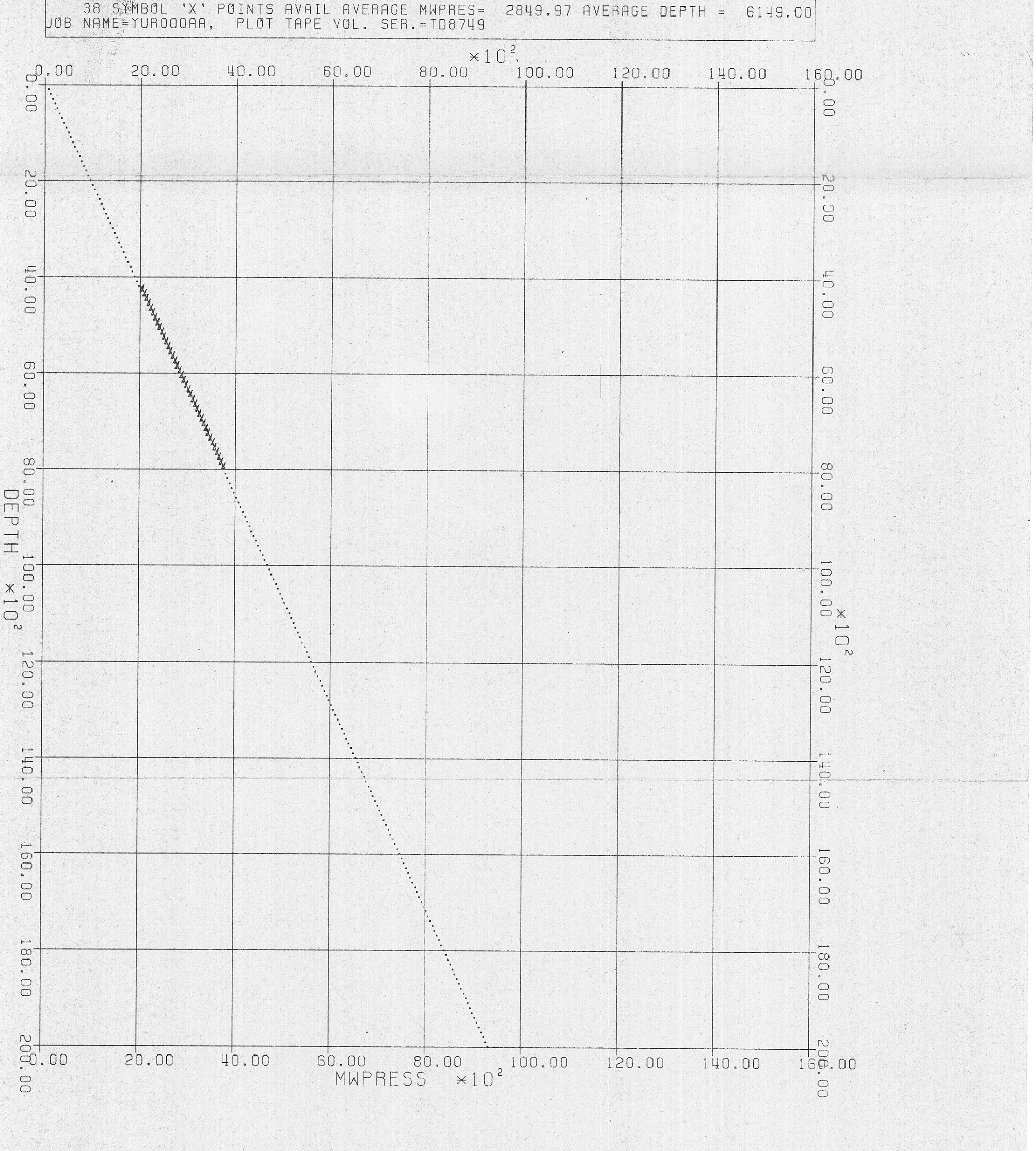

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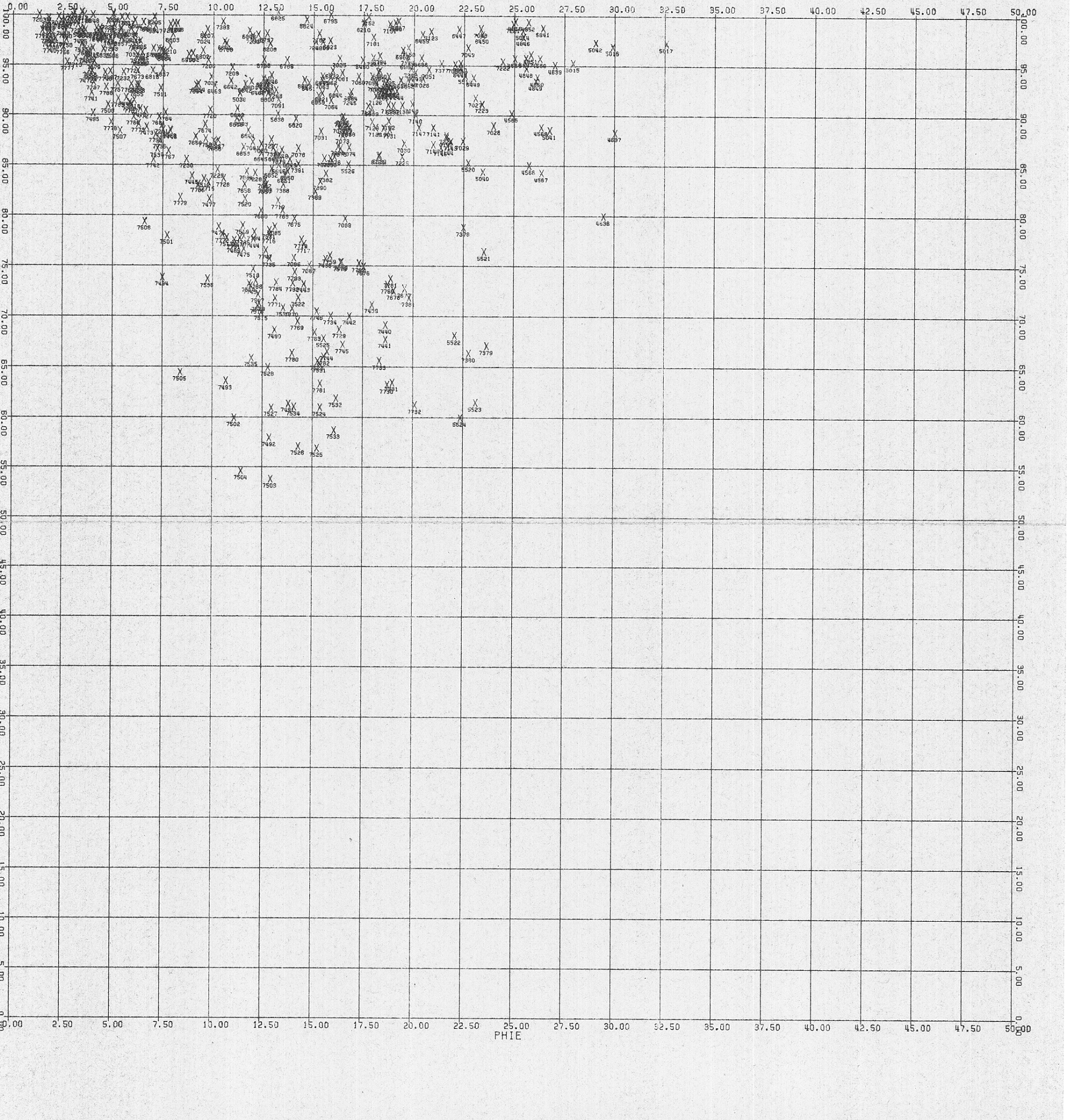
  ESSO                                   YURONGI 1                                  Z12720
BUCKLES PLOT - ZONE ALL
XYTOP= 4564.00 XYBOT= 7797.00 HOLGATE=NO   DATE=09/03/87
SYMBOL=X CONDITIONS=(SW.LT.100)
   457 SYMBOL 'X' POINTS AVAIL AVERAGE PHIE  =     13.02 AVERAGE SW    =     87.78
JOB NAME=YUR000AA,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

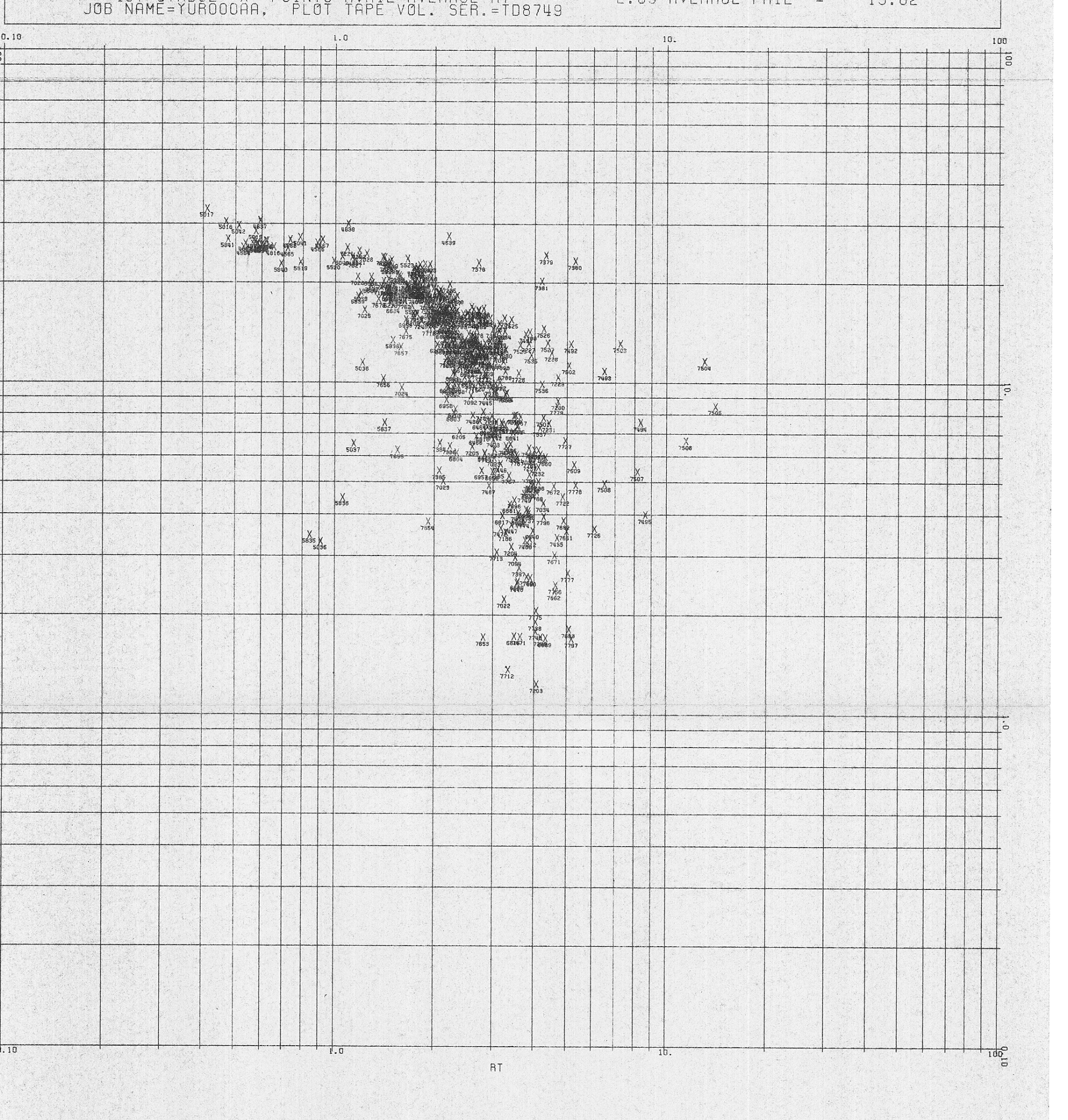

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  ESSO                                  YURONGI 1                                  Z12720
******************************************************************************
PLOT SCALE      = 1:     500.0000
DEPTH REFERENCE = MDEP
UNITS           = MTRS
*************** 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
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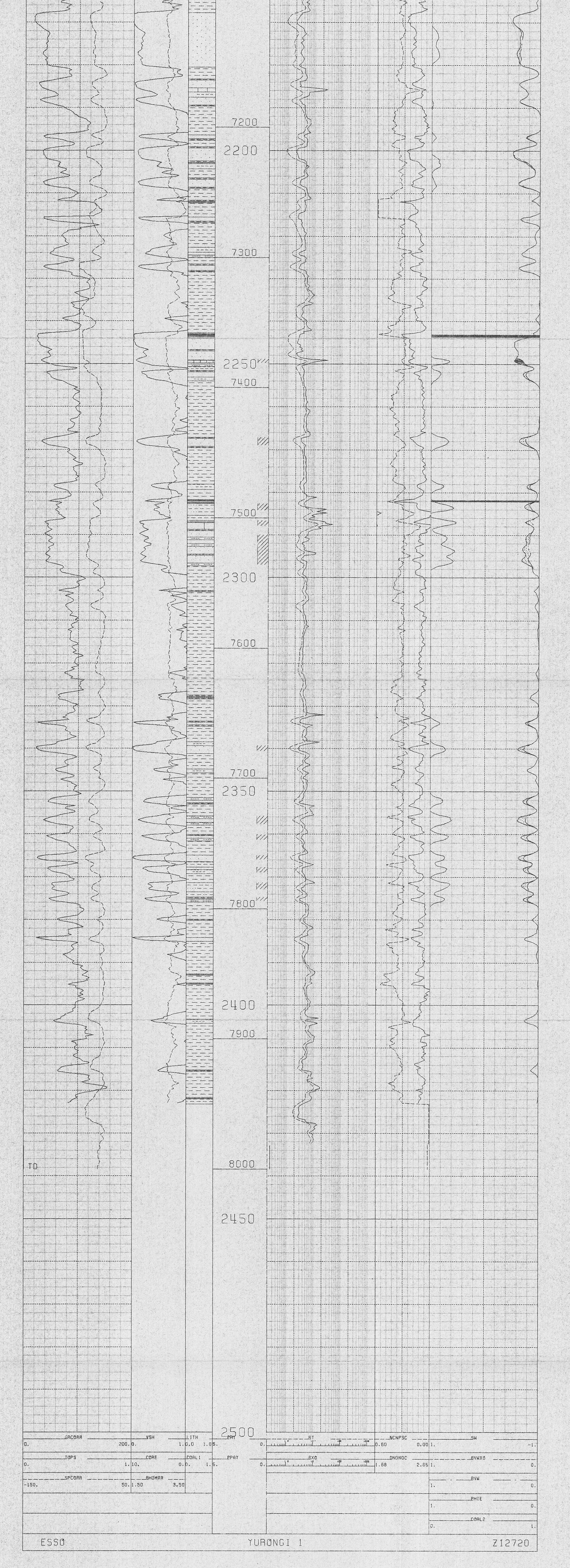

AMOCO PRODUCTION COMPANY

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  ESSO                              YURONGI 1                            Z12720
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* PHIE   : PHIE - PHIND X (1-VSH)                                             *
* BVW    : PHIE X SW                                                          *
* BVWXO  : PHIE X SXO                                                         *
*******************************************************************************
DATE=09/03/87
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  ESSO                   YURONGI 1                    Z12720
******** RESERVOIR QUALITY PLOT *******************
CUTT-OFFS: VSH <= 50%, EFFECTIVE POROSITY >=      15.0000
NET THICKNESS =      378.8708  MTRS
AVG. EFFEC. POR =       23.1902
DATE=09/03/87
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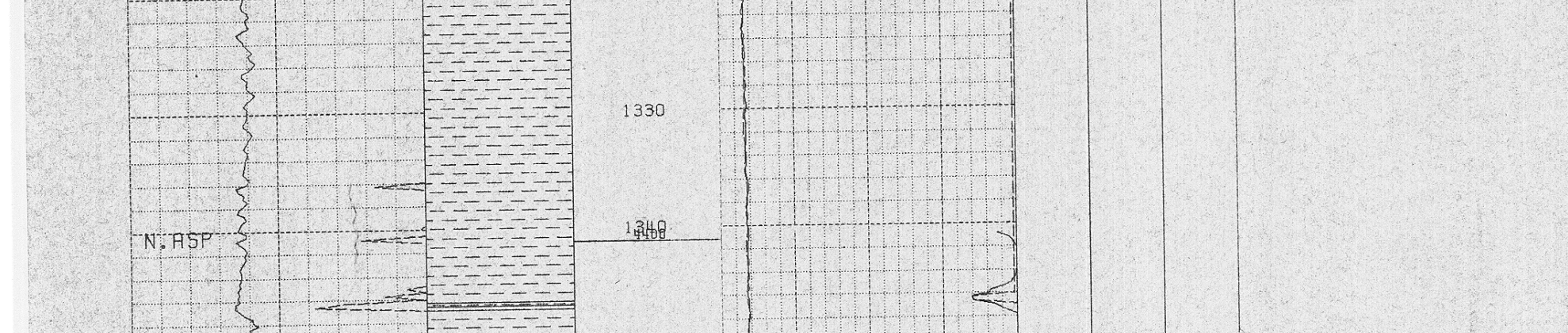

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ESSO YURONGI 1 Z12720

******** RESERVOIR QUALITY PLOT ********************

CUTT-OFFS: VSH <= 50%, EFFECTIVE POROSITY >= 15.0000

NET THICKNESS = 378.8708 MTRS

AVG. EFFEC. POR = 23.1902

DATE=09/03/87

ESSO YURONGI 1 Z12720