Amoco Australia Petroleum Company

BASS BASIN

COMPUTER LOG ANALYSIS DISPLAYS
PART-2
KOORKAH-1

Aug. '98	R-87-051, Appendix F
P. Stokes	Enclosure: 7

OR-277

313726

5 cm

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                          AMOCO PRODUCTION COMPANY

  AMOCO                             KOORKAH 1                              Z13320
*******************************************************************************
PLOT SCALE       = 1:     1000.0000
DEPTH REFERENCE = MDEP
UNITS            = MTRS
**************** PROBABLE PAY *************************************************
   ZONE         ZONE TOP       ZONE BOT         NET          AVE.       AVE.
                                            PROBABLE PAY  POROSITY      SW
1  ALL        1595.6475      3151.9751
2
3
4
5
6
7
8
9
10
TOTAL PROBABLE PAY IN ACTIVE INTERVAL
      1599.9146      3151.9751
*************** POSSIBLE PAY **************************************************
   ZONE          ZONE TOP      ZONE BOT         NET          AVE.        AVE.
                                            POSSIBLE PAY.  POROSITY      SW
1  ALL        1595.6475      3151.9751      8.8393       12.6905       72.6784
2
3
4
5
6
7
8
9
10
TOTAL POSSIBLE PAY IN ACTIVE INTERVAL
      1599.9146      3151.9751        8.8393       12.6905        72.6784
************ NET LITHOLOGY THICKNESS  *****************************************
**************** BY DEFINED ZONES      *****************************************
        NET SAND       NET SHSD        NET SHALE    NET COAL   NET CARBONATE
1      227.0788       163.6796        665.3865      72.2385      3.9624
2
3
4
5
6
7
8
9
10
TOTAL NET LITHOLOGY IN ACTIVE INTERVAL
ACTIVE TOP=   1599.9146,  ACTIVE BOT =    3151.9751
       227.0788       163.6796        665.3865      72.2385         3.9624
*******************************************************************************
*      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=09/01/87
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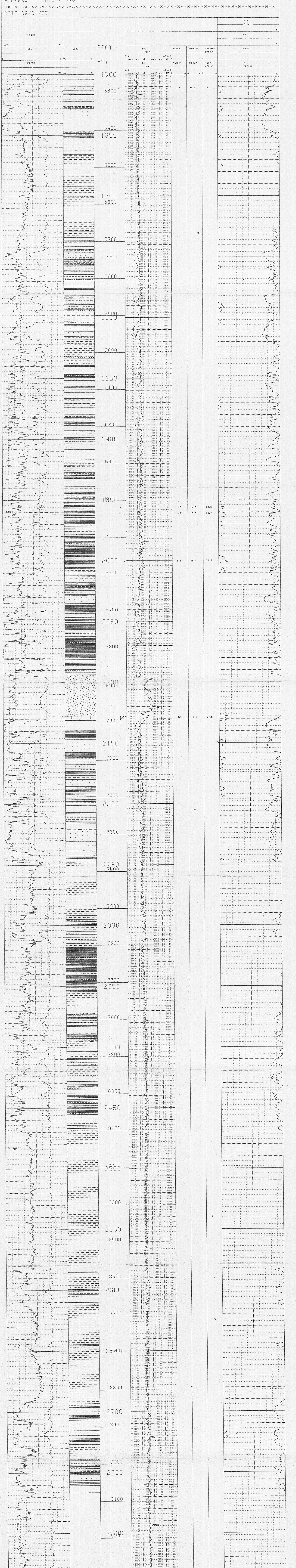

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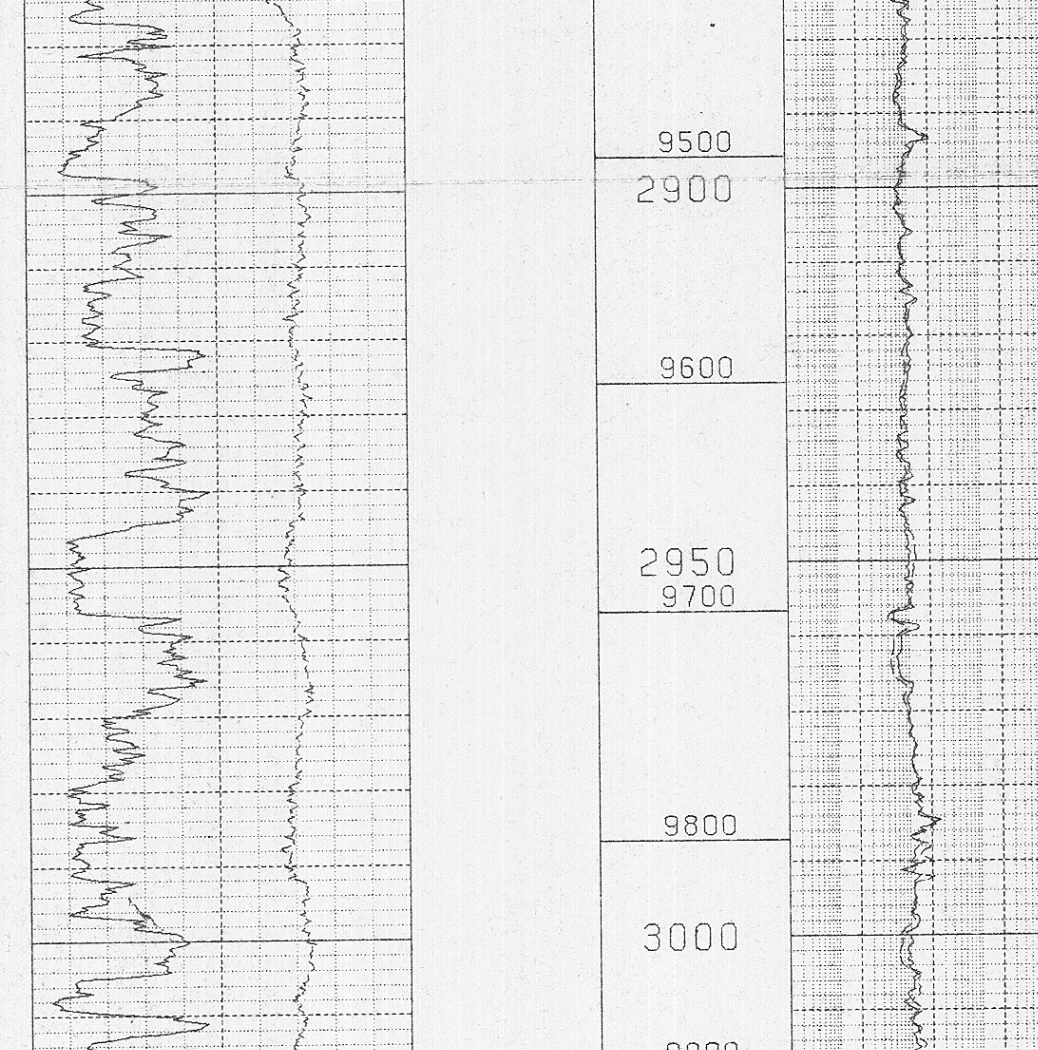
  AMOCO                              KOORKAH 1                          Z13320
GAMMA RAY HISTOGRAM
XYTOP= 5251.00 XYBOT=10339.00 HOLGATE=NO   DATE=08/26/87
SYMBOL=X CONDITIONS=(XPLTRES.EQ.1,SAW.EQ.3)
    644 SYMBOL 'X' POINTS AVAILABLE.
SYMBOL=O CONDITIONS=(XPLTRES.NE.1,SAW.EQ.3)
   683 SYMBOL 'O' POINTS AVAILABLE.
AVERAGE GRRAW =     117.6912  XMODE=        0.0      YMODE=       5.0962
JOB NAME=KOOROOAA,  PLOT TAPE VOL. SER.=TD8727
```



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  AMOCO                              KOORKAH 1                          Z13320
EDITED GAMMA RAY HISTOGRAM
XYTOP= 5251.00 XYBOT=10339.00 HOLGATE=NO   DATE=08/26/87
SYMBOL=X CONDITIONS=(XPLTRES.EQ.1,SAW.EQ.3)
    644 SYMBOL 'X' POINTS AVAILABLE.
SYMBOL=O CONDITIONS=(XPLTRES.NE.1,SAW.EQ.3)
   1053 SYMBOL 'O' POINTS AVAILABLE.
AVERAGE GRCORR=       70.2768  XMODE=        0.0      YMODE=       3.9886
JOB NAME=KOOROOAA,  PLOT TAPE VOL. SER.=TD8727
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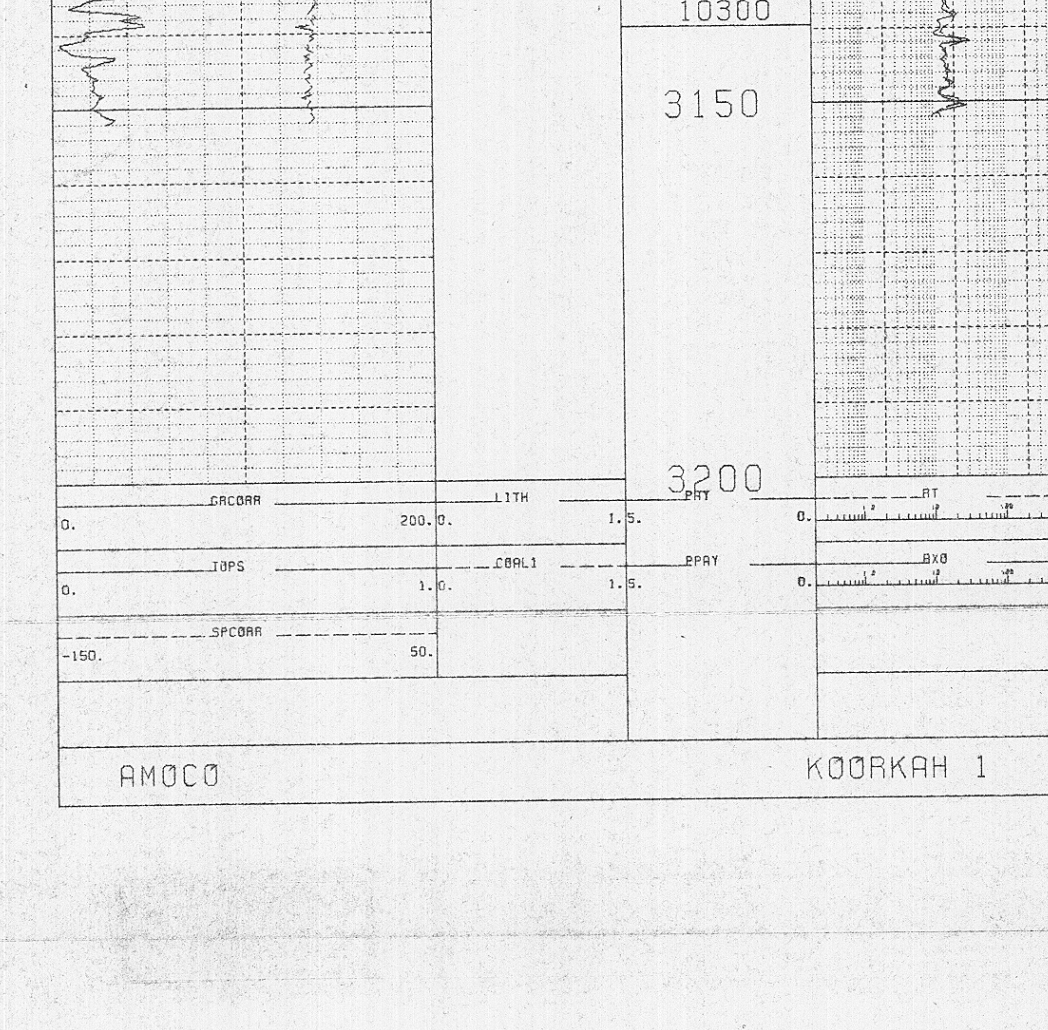

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  AMOCO                              KOORKAH 1                          Z13320
SP HISTOGRAM
XYTOP= 5251.00 XYBOT=10339.00 HOLGATE=NO   DATE=08/26/87
SYMBOL=X CONDITIONS=(XPLTRES.EQ.1,SAW.EQ.3)
    644 SYMBOL 'X' POINTS AVAILABLE.
SYMBOL=O CONDITIONS=(XPLTRES.NE.1,SAW.EQ.3)
   1052 SYMBOL 'O' POINTS AVAILABLE.
AVERAGE SPCORR=       -9.7179  XMODE=        0.0      YMODE=      22.1476
JOB NAME=KOOROOAA,  PLOT TAPE VOL. SER.=TD8727
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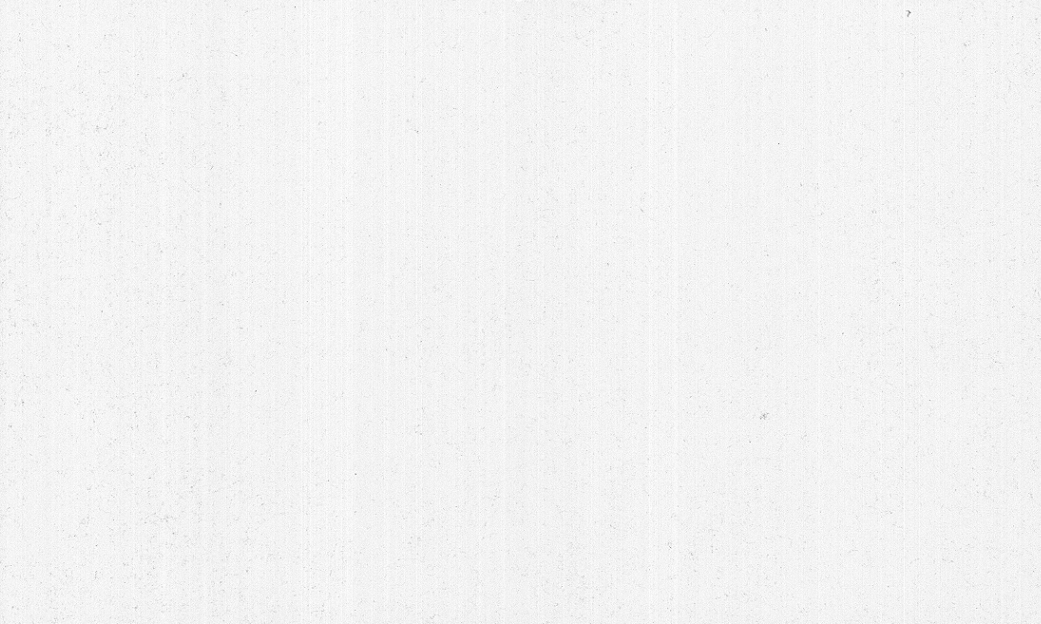

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  AMOCO                              KOORKAH 1                          Z13320
BULK DENSITY HISTOGRAM
XYTOP= 5251.00 XYBOT=10339.00 HOLGATE=NO   DATE=08/26/87
SYMBOL=X CONDITIONS=(XPLTRES.EQ.1,SAW.EQ.3)
    644 SYMBOL 'X' POINTS AVAILABLE.
SYMBOL=O CONDITIONS=(XPLTRES.NE.1,SAW.EQ.3)
   1053 SYMBOL 'O' POINTS AVAILABLE.
AVERAGE DNDNOC=        2.4757  XMODE=        0.0      YMODE=      11.7758
JOB NAME=KOOROOAA,  PLOT TAPE VOL. SER.=TD8727
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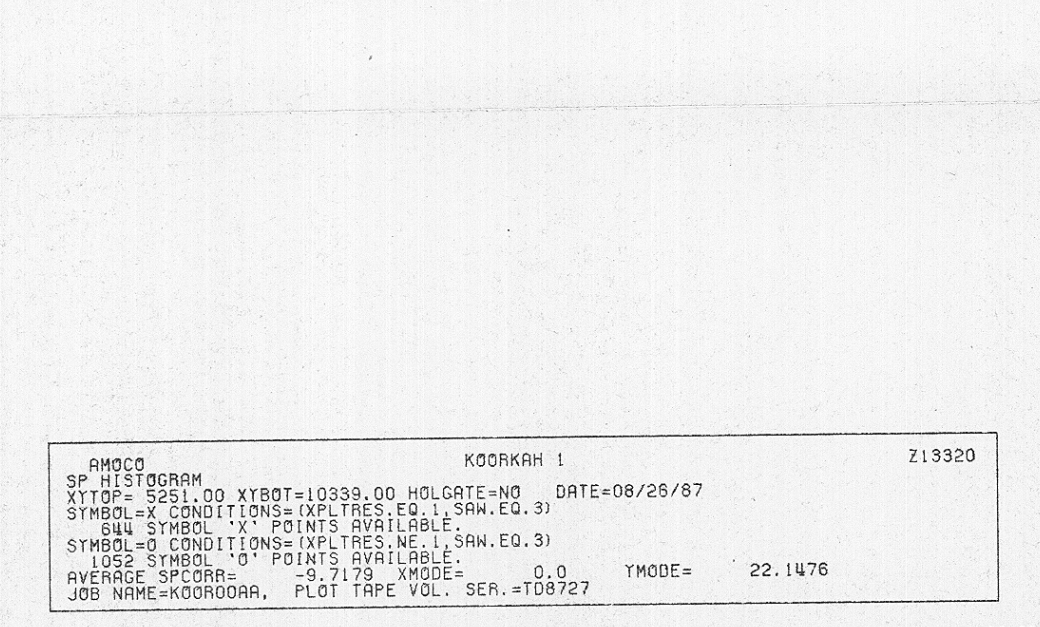

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  AMOCO                              KOORKAH 1                          Z13320
NEUTRON POROSITY - LIMESTONE MATRIX - HISTOGRAM
XYTOP= 5251.00 XYBOT=10339.00 HOLGATE=NO   DATE=08/26/87
SYMBOL=X CONDITIONS=(XPLTRES.EQ.1,SAW.EQ.3)
    642 SYMBOL 'X' POINTS AVAILABLE.
SYMBOL=O CONDITIONS=(XPLTRES.NE.1,SAW.EQ.3)
   1052 SYMBOL 'O' POINTS AVAILABLE.
AVERAGE NCNPLC=       33.5835  XMODE=        0.0      YMODE=       3.8023
JOB NAME=KOOROOAA,  PLOT TAPE VOL. SER.=TD8727
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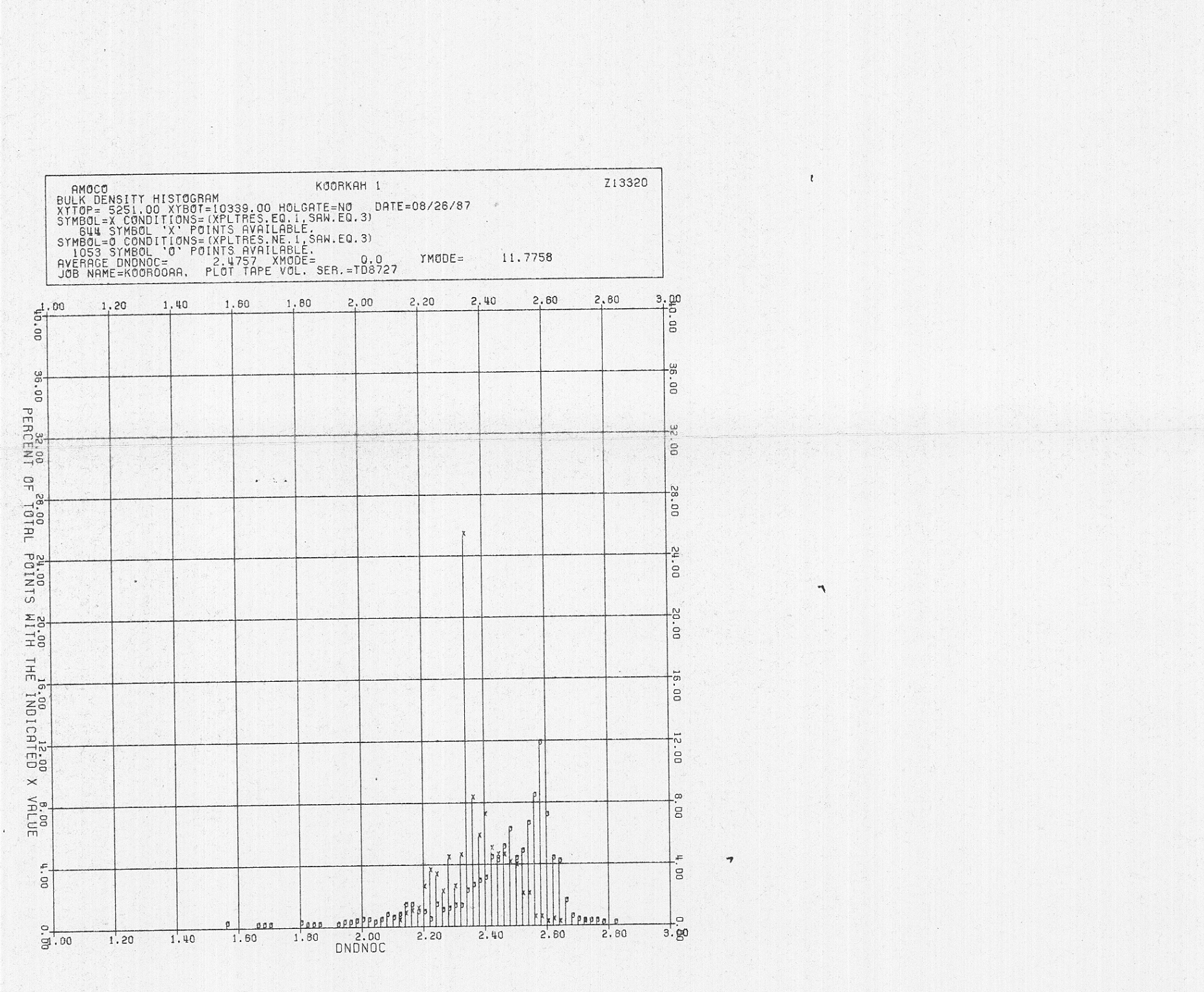

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  AMOCO                              KOORKAH 1                          Z13320
SONIC TRAVEL TIME HISTOGRAM
XYTOP= 5251.00 XYBOT=10339.00 HOLGATE=NO   DATE=08/26/87
SYMBOL=X CONDITIONS=(XPLTRES.EQ.1,SAW.EQ.3)
    644 SYMBOL 'X' POINTS AVAILABLE.
SYMBOL=O CONDITIONS=(XPLTRES.NE.1,SAW.EQ.3)
   1053 SYMBOL 'O' POINTS AVAILABLE.
AVERAGE ACTCOC=       85.4707  XMODE=        0.0      YMODE=      10.1614
JOB NAME=KOOROOAA,  PLOT TAPE VOL. SER.=TD8727
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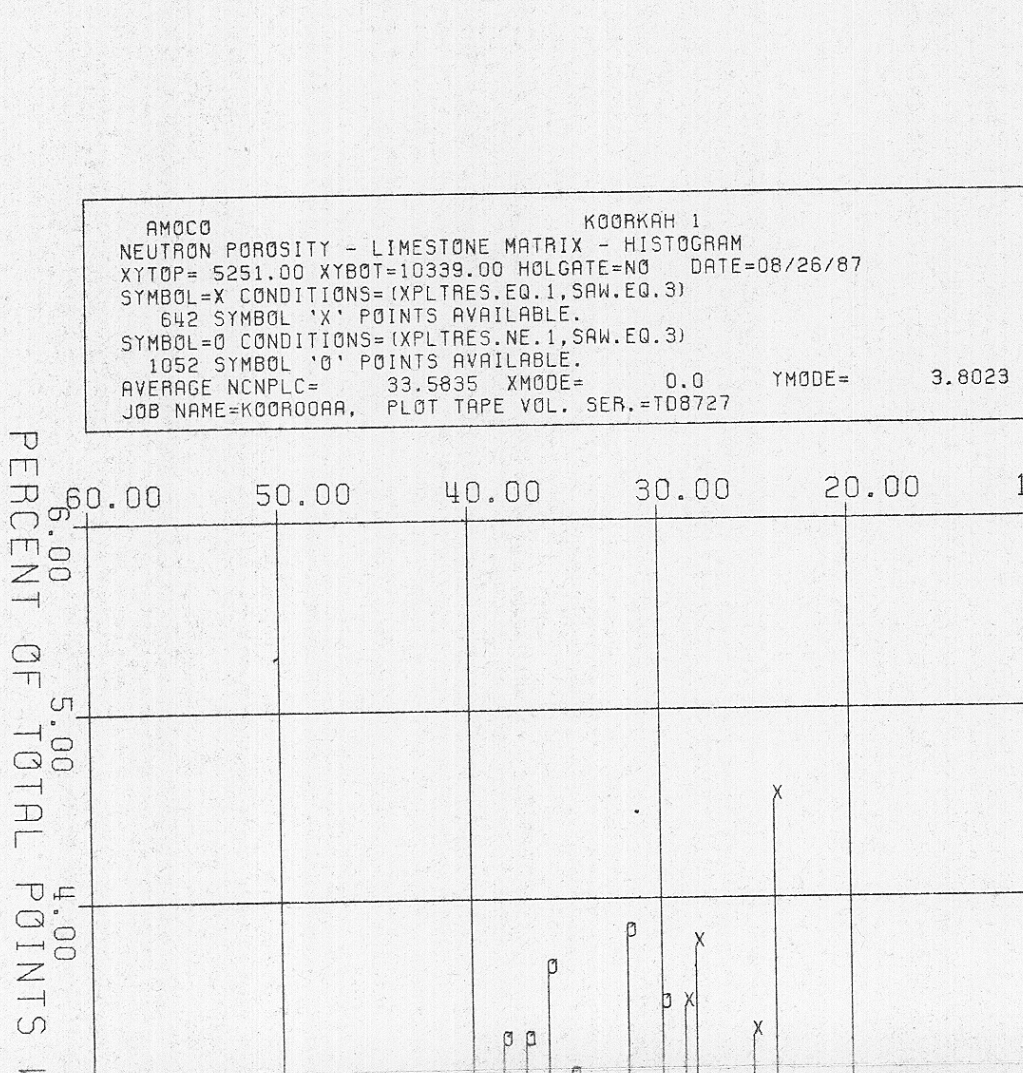

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  AMOCO                              KOORKAH 1                          Z13320
SONIC TRAVEL TIME HISTOGRAM
XYTOP= 5284.00 XYBOT=10339.00 HOLGATE=NO   DATE=08/26/87
SYMBOL=X CONDITIONS=(SAW.EQ.3,XPLTRES.EQ.1)
    644 SYMBOL 'X' POINTS AVAILABLE.
AVERAGE LOGRT =        0.6043  XMODE=      1.0197  YMODE=       5.2795
JOB NAME=KOOROOAA,  PLOT TAPE VOL. SER.=TD8727
```