OR-277

313744

5 cm

Amoco Australia Petroleum Company

BASS BASIN

COMPUTER LOG ANALYSIS DISPLAYS

PART-3
PELICAN-2

Aug. 1987	R-87-051, Appendi F
P. Stokes	Enclosure: 11

AMOCO PRODUCTION COMPANY

ESSO PELICAN 2 Z12020

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

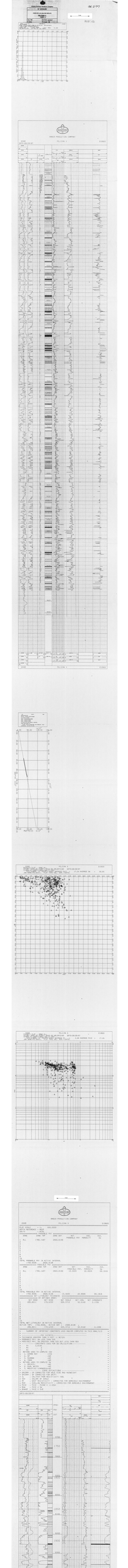
CUTT-OFFS: VSH <= 50%, EFFECTIVE POROSITY >= 15.0000

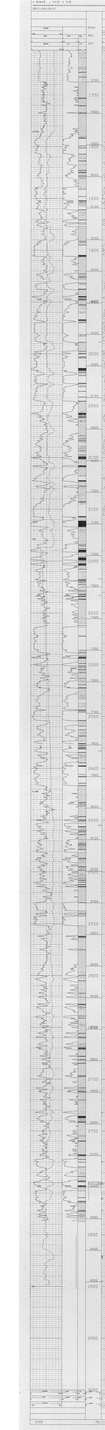
NET THICKNESS = 299.6218 &UNITS

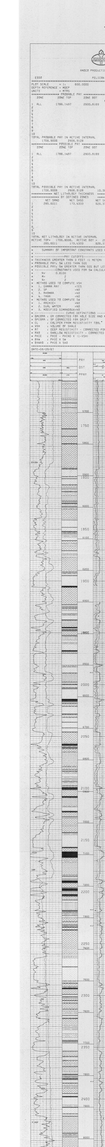
AVG. EFFEC. POR = 20.2572

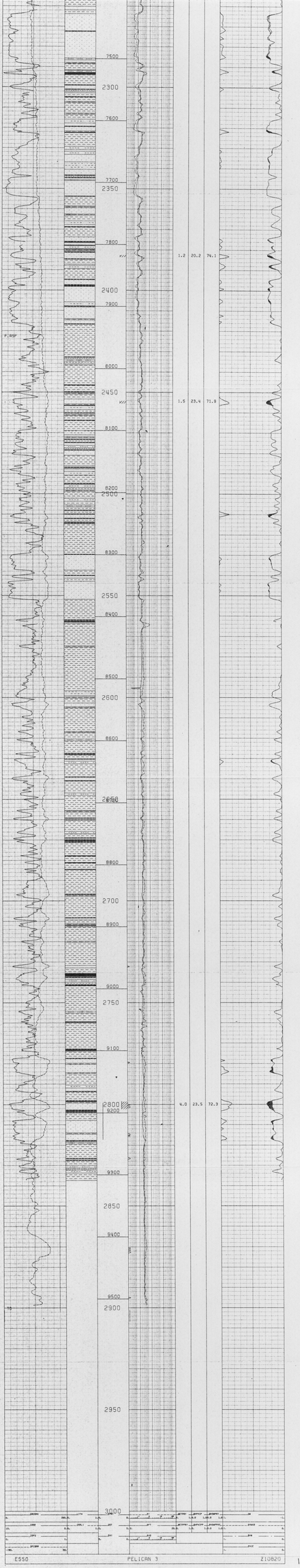
DATE=09/05/87

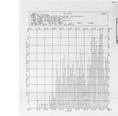
ESSO PELICAN 2 Z12020

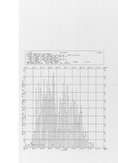


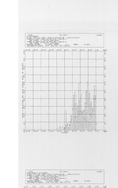


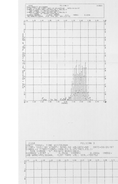


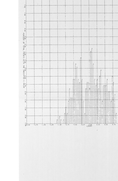

7500
2300
7600
7700
2350
7800
1.2 20.2 74.1
2400
7900
8000
2450
1.5 23.4 71.9
8100
8200
2500
8300
2550
8400
8500
2600
8600
2650
8700
8800
2700
8900
9000
2750
9100
2800
9200
4.0 23.5 72.3
9300
2850
9400
9500
2900
2950
3000
ESSO
PELICAN 3
Z10820
5 cm

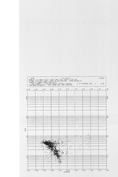

DC277
Illinois Dept. of Transportation
Division of Highways
Bureau of Materials and Physical Research
Soil Classification
Boring #
Station
Offset
Date
Soil Description
Depth
Classification
Remarks
Engineer

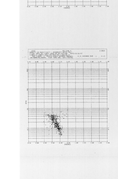


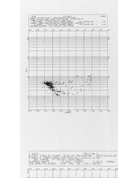


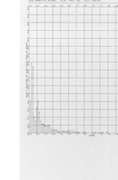


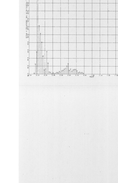


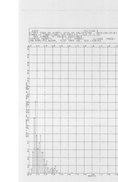


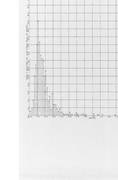


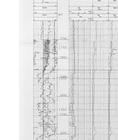


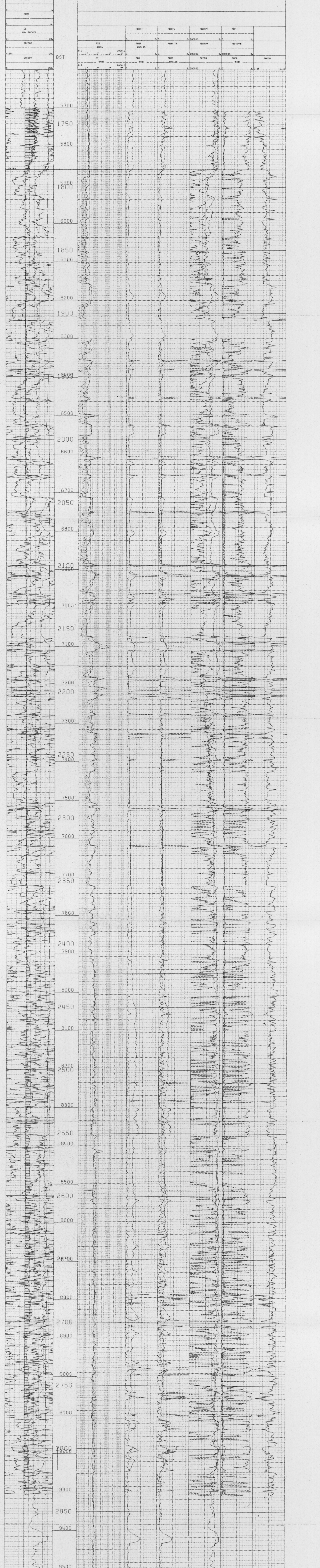


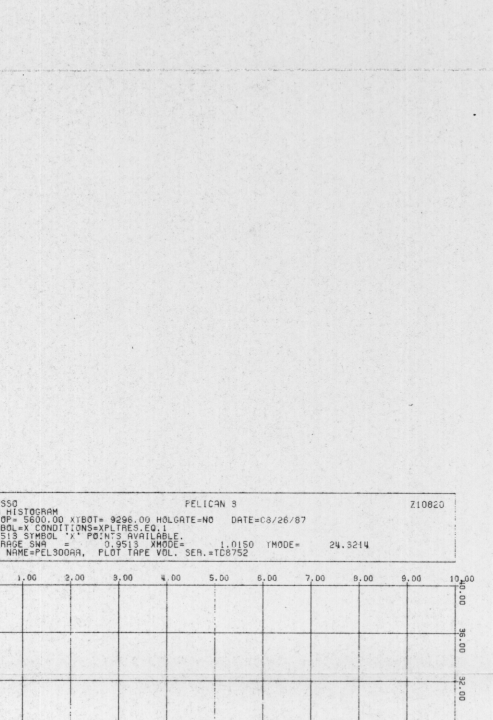









AMOCO
AMOCO PRODUCTION COMPANY
ESSO
PELICAN 3
Z10820
RW COMPUTATION FROM SP, RWA, RW RATIO METHODS
DATE=08/26/87
SPSHAL
GRARH
BITSIZE
TOPS
CORE
CL
UK: INCHES
SPCORR
GRCORR
DST
RXO
OHMS
RT
OHMS
RWRAT
RWSP
MVOLTS
RWA
OHMS
RWA75
RWRAT75
RWSP
MVOLTS
RWAPPM
RATPPM
SPPPM
RMF
RMFAPPM
RMFA
OHMS
RWPOR
5700
1750
5800
5900
1800
6000
1850
6100
6200
1900
6300


1/SW
NUMBER OF POINTS WITH THE INDICATED X VALUE

AMOCO
AMOCO PRODUCTION COMPANY
ESSO
PELICAN 3
Z10820
DATE=08/26/87
SPCORR
VSHMIN
VSHMAX
GRCORR
VSH
CL
UK: INCHES
BITSIZE
COALFLA
LITH
RTSH
RO
RT
OHMS
DNMAXCUT
DNDNOC
UK: GM/CC
DNMINCUT
SWSIM
SWDW
SWARCH
5700
5800
5900
1800
6000
6100
6200
1900

BASS BASIN

COMPUTER LOG ANALYSIS DISPLAYS
PART- 3
PELICAN-3

Aug. 1987	R-87-051, Appendix F
P. Stokes	Enclosure: 12

OR-277

313747

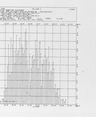
5 cm

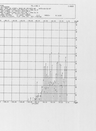
AMOCO PRODUCTION COMPANY

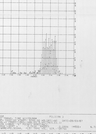
ESSO PELICAN 3 Z10820

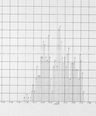
xxxxxxxx RESERVOIR QUALITY PLOT xxxxxxxxxxxxxxxxxxx
CUTT-OFFS: VSH <= 50%, EFFECTIVE POROSITY >= 15.0000
NET THICKNESS = 337.4175 &UNITS
AVG. EFFEC. POR = 21.1371
DATE=09/05/87

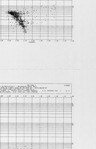
ESSO PELICAN 3 Z10820

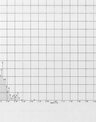


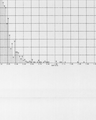


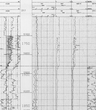


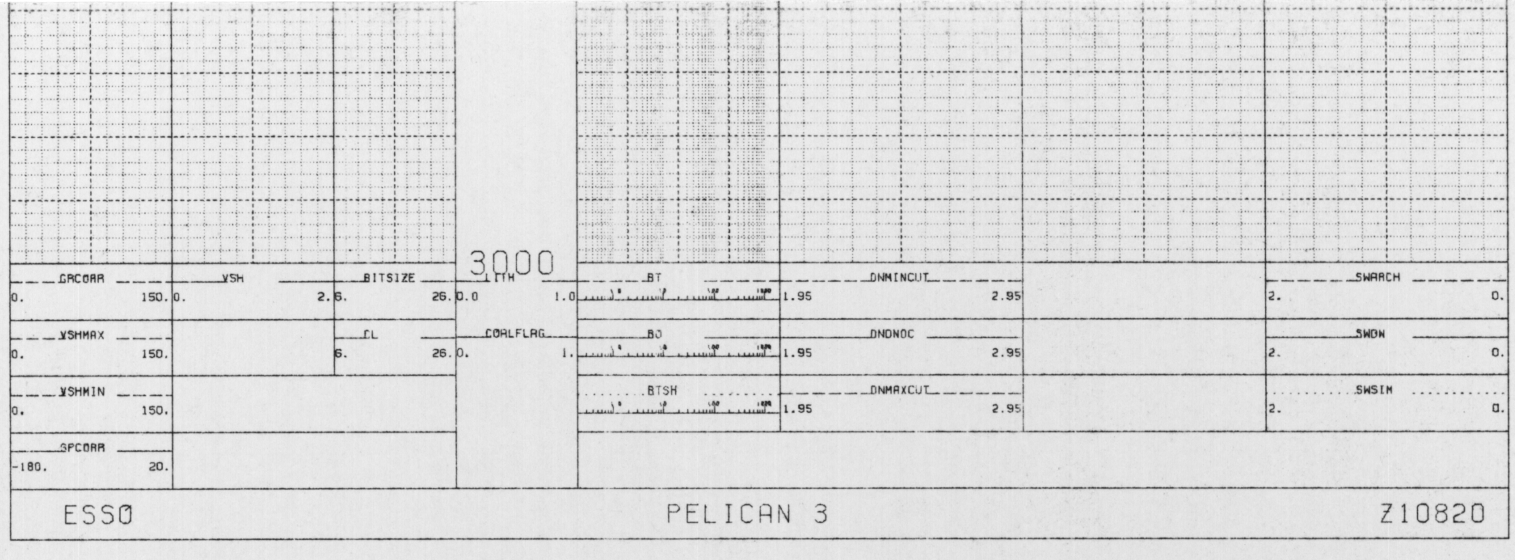






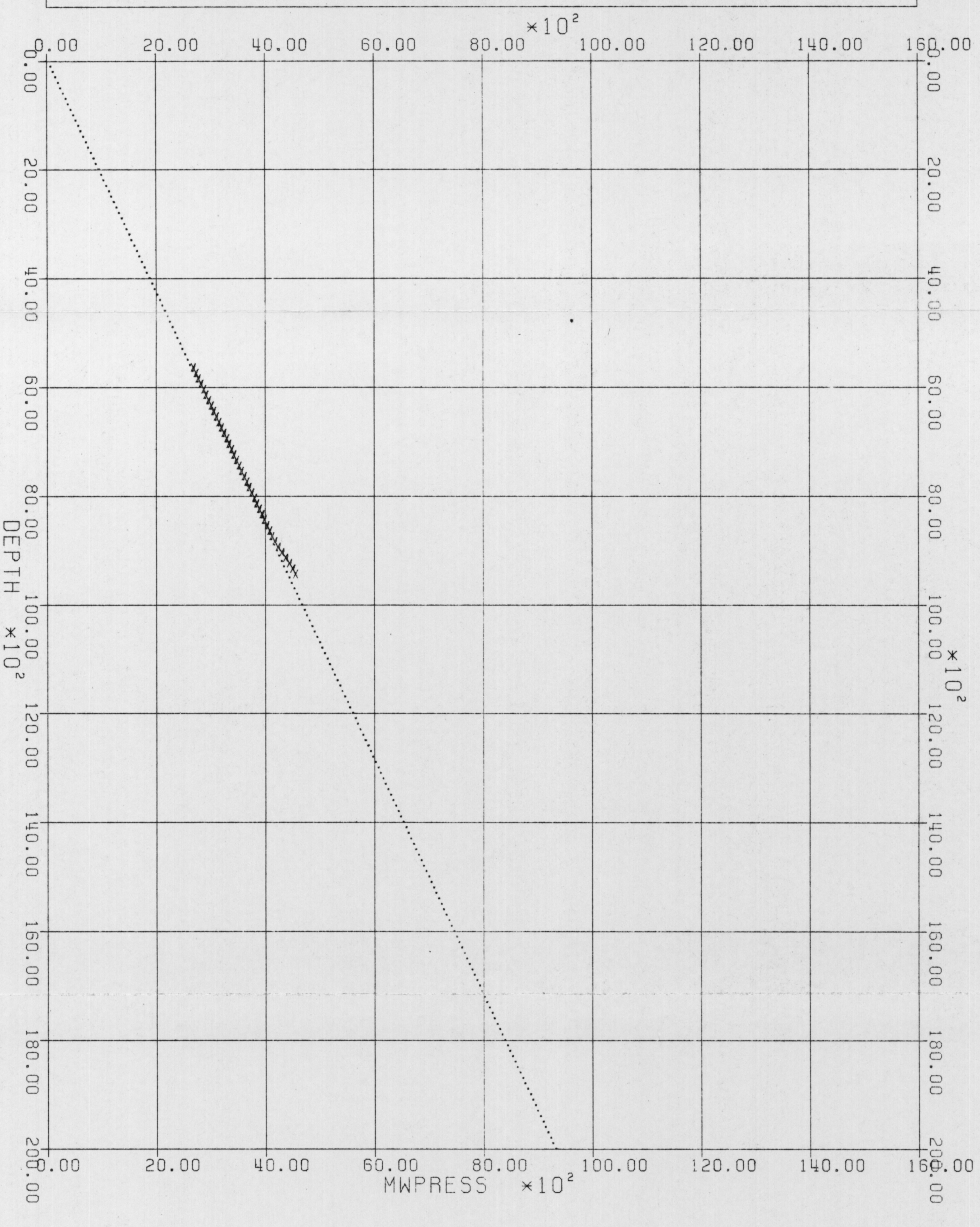




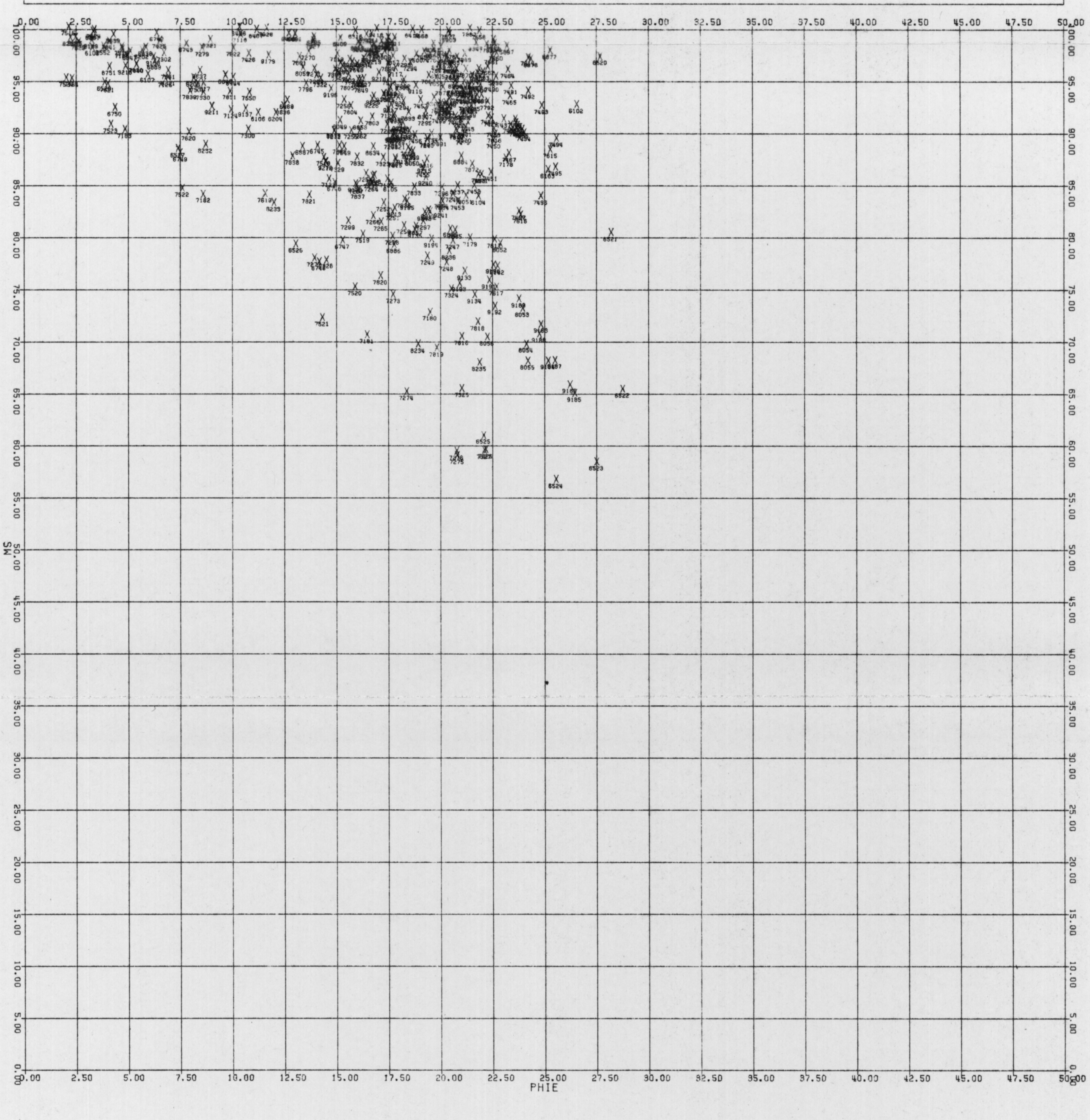


ESSO PELICAN 3 Z10820

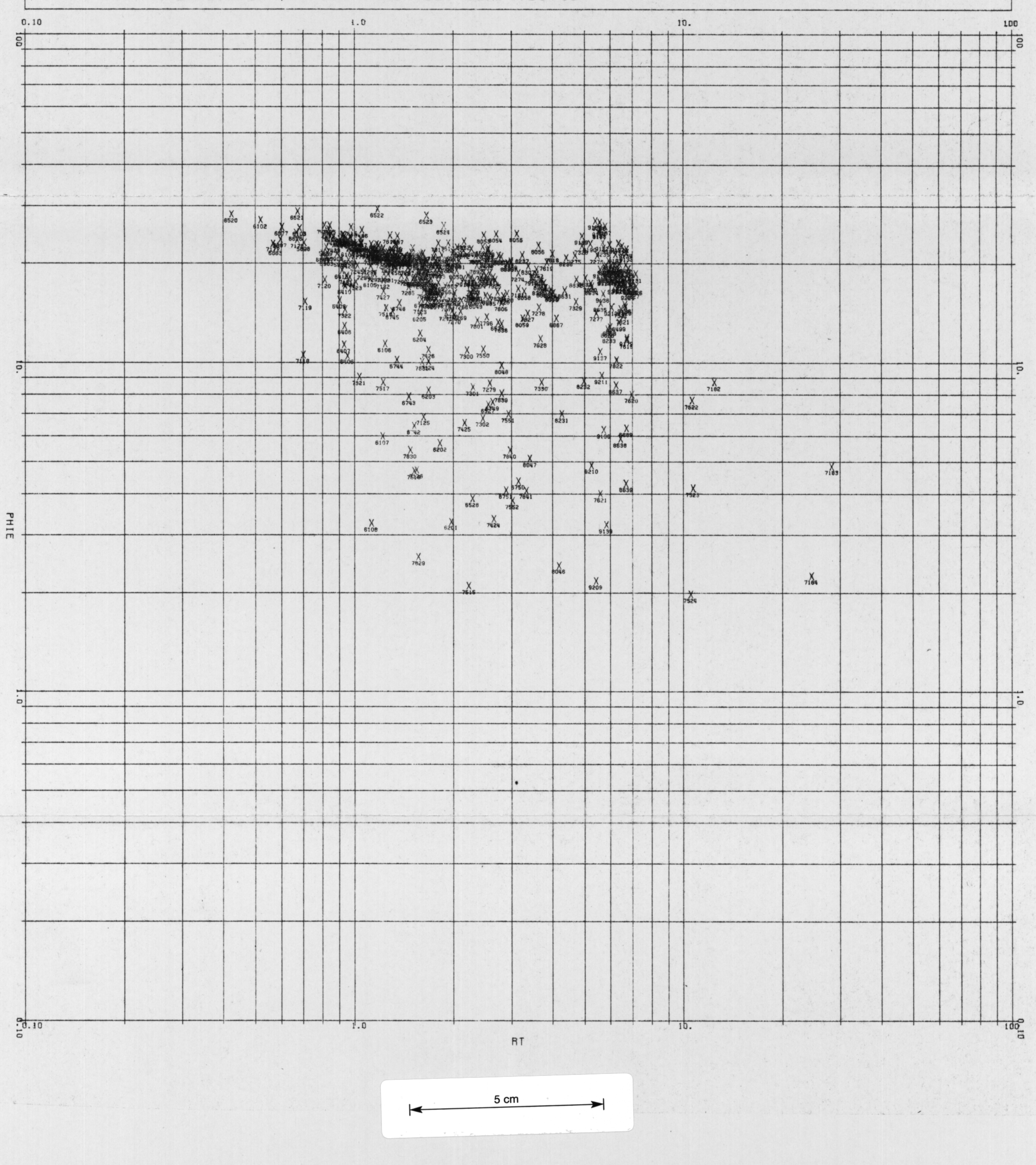
ESSO PELICAN 3 Z10820
PRESSURE VS DEPTH PLOTS
MUD WEIGHT , RFT AND DRILL STEM TEST PRESSURES
WILL BE PLOTTED IF AVAILABLE
SYMBOL X = INDICATED MUD WEIGHT PRESSURE
SYMBOL # = INDICATED RFT PRESSURE
SYMBOL O = INDICATED DST PRESSURE
XYTOP= 5699.00 XYBOT= 9499.00 HOLGATE=NO DATE=09/03/87
SYMBOL=X CONDITIONS=SAW2.EQ.100
39 SYMBOL 'X' POINTS AVAIL AVERAGE MWPRES= 3534.32 AVERAGE DEPTH = 7599.00
JOB NAME=PEL300AA, PLOT TAPE VOL. SER.=TD8740



ESSO PELICAN 3 Z10820
BUCKLES PLOT - ZONE ALL
XYTOP= 5897.00 XYBOT= 9243.00 HOLGATE=NO DATE=09/03/87
SYMBOL=X CONDITIONS=(SW.LT.100)
419 SYMBOL 'X' POINTS AVAIL AVERAGE PHIE = 17.24 AVERAGE SW = 89.65
JOB NAME=PEL300AA, PLOT TAPE VOL. SER.=TD8740



ESSO PELICAN 3 Z10820
PICKETT PLOT - ZONE ALL
XYTOP= 5897.00 XYBOT= 9243.00 HOLGATE=NO DATE=09/03/87
SYMBOL=X CONDITIONS=(SW.LT.100)
419 SYMBOL 'X' POINTS AVAIL AVERAGE RT = 2.86 AVERAGE PHIE = 17.24
JOB NAME=PEL300AA, PLOT TAPE VOL. SER.=TD8740



5 cm

OR-277

313749

Amoco Australia Petroleum Company

BASS BASIN

COMPUTER LOG ANALYSIS DISPLAYS
PELICAN-3
PART-5

Aug. 1987	R-87-051, Appendix F
P. Stokes	Enclosure: 12

5 cm

AMOCO PRODUCTION COMPANY

ESSO PELICAN 3 Z10820

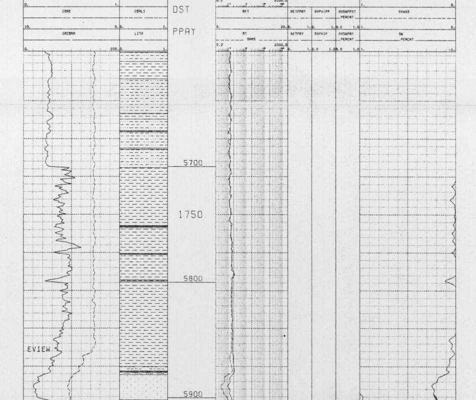
```
PLOT SCALE      = 1:    500.0000
DEPTH REFERENCE = MDEP
UNITS           = MTRS
*************** PROBABLE PAY ***********************************
  ZONE       ZONE TOP      ZONE BOT        NET          AVE.      AVE.
                                       PROBABLE PAY   POROSITY     SW
1  ALL       1786.1497     2900.8169
2
3
4
5
6
7
8
9
10
TOTAL PROBABLE PAY IN ACTIVE INTERVAL
     1706.9006     2906.9128
*************** POSSIBLE PAY ***********************************
  ZONE       ZONE TOP      ZONE BOT        NET          AVE.      AVE.
                                       POSSIBLE PAY,  POROSITY     SW
1  ALL       1786.1497     2900.8169     10.3633      22.6509    69.1916
2
3
4
5
6
7
8
9
10
TOTAL POSSIBLE PAY IN ACTIVE INTERVAL
     1706.9006     2906.9128     10.3633      22.6509     69.1916
************ NET LITHOLOGY THICKNESS ****************************
*************** BY DEFINED ZONES     ****************************
      NET SAND     NET SHSD     NET SHALE    NET COAL   NET CARBONATE
1     285.6011     173.4333     626.3716     32.6140     2.1336
2
3
4
5
6
7
8
9
10
TOTAL NET LITHOLOGY IN ACTIVE INTERVAL
ACTIVE TOP=   1706.9006,  ACTIVE BOT =   2906.9128
      285.6011     173.4333     626.3716     32.6140     2.1336
*****************************************************************
*     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         =NO                                               *
*    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
```

ESSO PELICAN 3 Z10820

AMOCO PRODUCTION COMPANY

ESSO PELICAN 3 Z10820

PLOT SCALE = 1: 500.0000
DEPTH REFERENCE = MDEP
UNITS = MTRS
PROBABLE PAY: 1 ALL 1786.1497 2900.8169
TOTAL PROBABLE PAY IN ACTIVE INTERVAL 1706.9006 2906.9128
POSSIBLE PAY: 1 ALL 1786.1497 2900.8169 10.3633 22.6509 69.1916
TOTAL POSSIBLE PAY IN ACTIVE INTERVAL 1706.9006 2906.9128 10.3633 22.6509 69.1916
NET LITHOLOGY THICKNESS BY DEFINED ZONES: 1 285.6011 173.4333 626.3716 32.6140 2.1336
TOTAL NET LITHOLOGY IN ACTIVE INTERVAL
ACTIVE TOP= 1706.9006, ACTIVE BOT = 2906.9128
285.6011 173.4333 626.3716 32.6140 2.1336
SUMMARY OF IMPORTANT CONSTANTS USED AND/OR COMPUTED IN THIS ANALYSIS



	NET SAND	NET SHSD	NET SHALE	NET COAL	NET CARBONATE
1	285.6011	173.4333	626.3716	32.6140	2.1336
2					
3					
4					
5					
6					
7					
8					
9					
10					

TOTAL NET LITHOLOGY IN ACTIVE INTERVAL
ACTIVE TOP= 1706.9006, ACTIVE BOT = 2906.9128

285.6011	173.4333	626.3716	32.6140	2.1336

```
*****************************************************************************
*     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         =NO                                              *
*    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

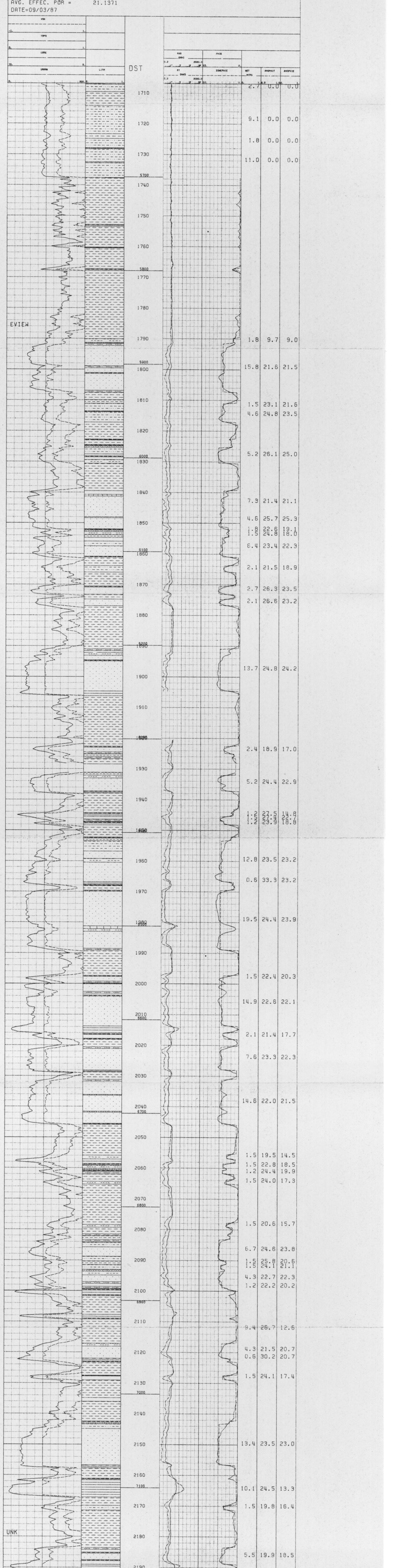
ESSO PELICAN 3 Z10820

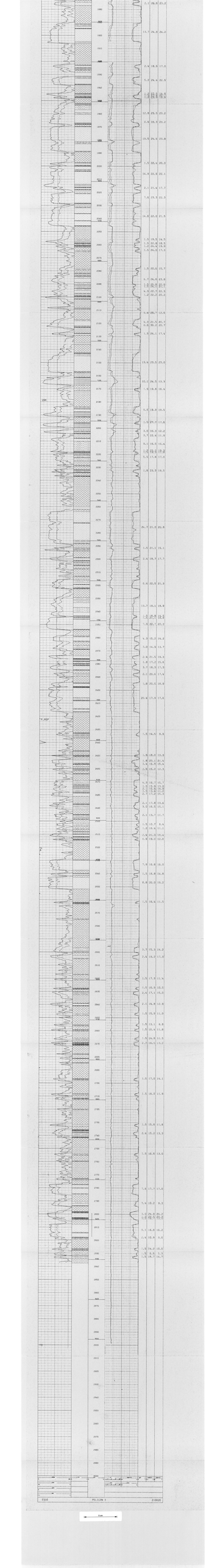
5 cm

AMOCO PRODUCTION COMPANY

ESSO PELICAN 3 Z10820

******** RESERVOIR QUALITY PLOT *******************
CUTT-OFFS: VSH <= 50%, EFFECTIVE POROSITY >= 15.0000
NET THICKNESS = 337.4175 MTRS
AVG. EFFEC. POR = 21.1371
DATE=09/03/87

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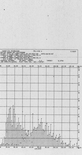

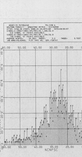

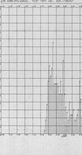

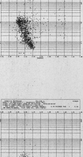

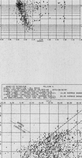

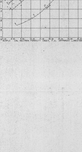

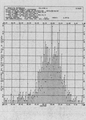

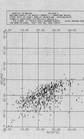

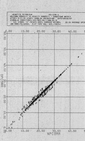

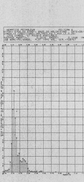

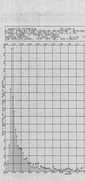

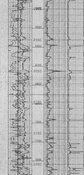

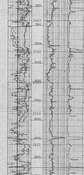

AMOCO PRODUCTION COMPANY

HEMATITE PETROLEUM — PELICAN 4 — Z12420

RW COMPUTATION FROM SP, Rwb, Rw RATIO METHODS

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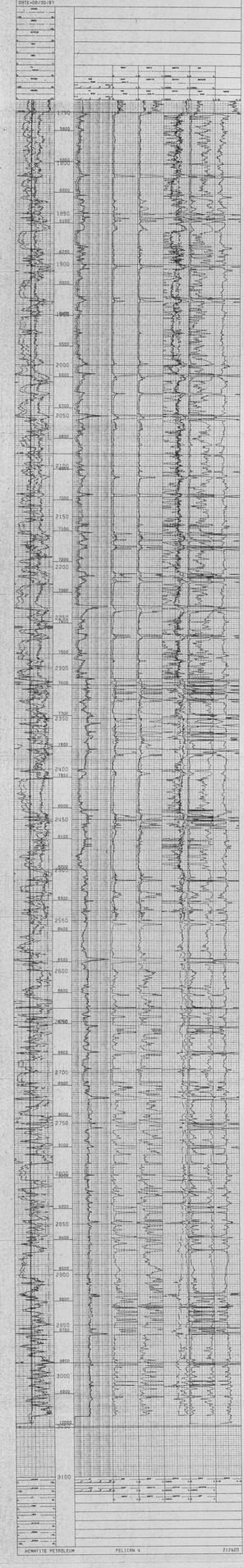
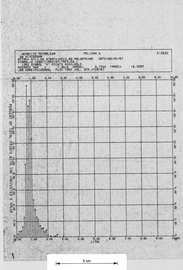
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