Amoco Australia Petroleum Company

BASS BASIN

COMPUTER LOG ANALYSIS
PART-3
POONBOON-1

Aug. 1987	R-87-051, Appendix F
P. Stokes	Enclosure: 16

OR-277

313764

AMOCO PRODUCTION COMPANY

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  ESSO                              POONBOON 1                              Z11120
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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        1892.8311      3265.9717
2
3
4
5
6
7
8
9
10
TOTAL PROBABLE PAY IN ACTIVE INTERVAL
      1859.3025      3265.9717
*************** POSSIBLE PAY **********************************************
   ZONE          ZONE TOP       ZONE BOT          NET           AVE.        AVE.
                                             POSSIBLE PAY,   POROSITY      SW
1  ALL        1892.8311      3265.9717       1.5240        13.6411       69.9419
2
3
4
5
6
7
8
9
10
TOTAL POSSIBLE PAY IN ACTIVE INTERVAL
      1859.3025      3265.9717       1.5240       13.6411         69.9419
************ NET LITHOLOGY THICKNESS  ************************************
*************** BY DEFINED ZONES      ************************************
        NET SAND      NET SHSD      NET SHALE    NET COAL   NET CARBONATE
1      385.8813      252.9871      685.1987      77.7249      3.0480
2
3
4
5
6
7
8
9
10
TOTAL NET LITHOLOGY IN ACTIVE INTERVAL
ACTIVE TOP=   1859.3025,  ACTIVE BOT =   3265.9717
       385.8813      252.9871      685.1987      77.7249          3.0480
*******************************************************************************
*     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                                                          *
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DATE=08/29/87
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ESSO POONBOON 1 Z11120

AMOCO PRODUCTION COMPANY

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