Amoco Australia Petroleum Company

BASS BASIN

COMPUTER LOG ANALYSIS DISPLAYS
PART-2
YOLLA-1

Aug. 1987	R-87-051, Appendix F
P. Stokes	Enclosure: 20

OR-277

313780

5 cm

AMOCO PRODUCTION COMPANY

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  AMOCO                            YOLLA 1                               Z13420
*******************************************************************************
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         1810.5339       3346.7446      12.1921       12.2338      43.4808
2
3
4
5
6
7
8
9
10
TOTAL PROBABLE PAY IN ACTIVE INTERVAL
      1755.6692       3346.7446        12.1921        12.2338        43.4808
************** POSSIBLE PAY **************************************************
   ZONE         ZONE TOP       ZONE BOT          NET          AVE.         AVE.
                                             POSSIBLE PAY,  POROSITY       SW
1  ALL         1810.5339       3346.7446      67.9712       14.1672      63.6607
2
3
4
5
6
7
8
9
10
TOTAL POSSIBLE PAY IN ACTIVE INTERVAL
      1755.6692       3346.7446        67.9712        14.1672        63.6607
************ NET LITHOLOGY THICKNESS  ****************************************
*************** BY DEFINED ZONES      ****************************************
        NET SAND       NET SHSD       NET SHALE     NET COAL    NET CARBONATE
1       166.1180       220.6779       621.1899       76.8105       0.6096
2
3
4
5
6
7
8
9
10
TOTAL NET LITHOLOGY IN ACTIVE INTERVAL
ACTIVE TOP=    1755.6692,   ACTIVE BOT =    3346.7446
       166.1180        220.6779        621.1899        76.8105         0.6096
*******************************************************************************
*      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                                                           *
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DATE=08/30/87
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