OR-277

313738

Amoco Australia Petroleum Company

BASS BASIN

COMPUTER LOG ANALYSIS DISPLAYS
PELICAN-1
PART-1

Aug. 1987	R-87-061, Appendix F
P. Stokes	Enclosure: 10

5 cm

AMOCO PRODUCTION COMPANY

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  ESSO                          PELICAN 1                               Z10920
**************************************************************************
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        1737.3811       3178.4932
2
3
4
5
6
7
8
9
10
TOTAL PROBABLE PAY IN ACTIVE INTERVAL
      1737.3811       3178.4932
************** POSSIBLE PAY ************************************************
   ZONE          ZONE TOP      ZONE BOT          NET           AVE.         AVE.
                                             POSSIBLE PAY.  POROSITY        SW
1  ALL        1737.3811       3178.4932      60.6559       22.0713       68.1694
2
3
4
5
6
7
8
9
10
TOTAL POSSIBLE PAY IN ACTIVE INTERVAL
      1737.3811       3178.4932      60.6559       22.0713       68.1694
************ NET LITHOLOGY THICKNESS   ************************************
*************** BY DEFINED ZONES       ************************************
         NET SAND       NET SHSD       NET SHALE     NET COAL    NET CARBONATE
1       396.2446       249.0246       691.5996      96.3180      3.6576
2
3
4
5
6
7
8
9
10
TOTAL NET LITHOLOGY IN ACTIVE INTERVAL
ACTIVE TOP=   1737.3811,  ACTIVE BOT =   3178.4932
        396.2446       249.0246       691.5996      96.3180       3.6576
****************************************************************************
*     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=09/04/87
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ESSO PELICAN 1 Z10920

AMOCO PRODUCTION COMPANY

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ESSO                        PELICAN 1                      Z10920
******** RESERVOIR QUALITY PLOT *********************
CUTT-OFFS: VSH <= 50%, EFFECTIVE POROSITY >=      15.0000
NET THICKNESS =      429.1636  MTRS
AVG. EFFEC. POR =       21.5977
DATE=09/04/87
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