RAILROAD COMMISSION OF TEXAS

TEXAS CRUDE OIL INFORMATION SYSTEM

DUPLICATE DETAIL WELL FILE

USER'S GUIDE

THIS PUBLICATION WAS DEVELOPED FOR THE GENERAL PUBLIC IN
RESPONSE TO INQUIRIES CONCERNING THE AVAILABILITY OF OIL
INFORMATION ON MAGNETIC TAPE. IF YOU REQUEST ASSISTANCE IN USING
THE MANUAL, YOUR REQUEST WILL BE GIVEN EVERY CONSIDERATION.

TABLE OF CONTENTS

I.   GENERAL INFORMATION

IDENTIFICATION

DEVELOPED FOR: USERS OF OIL DETAIL WELL INFORMATION

BY: RAILROAD COMMISSION OF TEXAS

SYSTEM NAME: OIL DETAIL WELL FILE

COMPUTER: IBM 2003-116

                        SYSTEM DESCRIPTION

THE DETAIL WELL FILE SUPPORTS THE MULTI-WELL RECORDS ON THE OIL
MASTER TAPES. IT CONTAINS EACH DETAIL WELL AND ANY PERTINENT
INFORMATION CONCERNING THAT WELL.

THE INFORMATION CONTAINED ON THIS TAPE INCLUDES: GENERAL
OIL INFORMATION PERTAINING TO THE INDIVIDUAL WELL, W-10
TEST DATA, 14(B)(2) DATA, AND SHUT-IN INFORMATION.

RECORD LAYOUT OF DETAIL WELL FILE

THE DETAIL WELL FILE RECORDS ARE 100 BYTES IN LENGTH. THE
RECORDS ARE ORDERED TO MATCH THE OIL MASTER TAPES I.E. DISTRICT,
FIELD NUMBER, OPERATOR NUMBER, LEASE NUMBER AND WELL NUMBER.

PHYSICAL TAPE CHARACTERISTICS

1600 OR 6250 BPI, 9-CHANNEL PHASE ENCODED

IBM STANDARD LABELS
    (ONE 80-CHARACTER VOLUME LABEL, TWO 80-CHARACTER HEADER LABELS
    AND TWO 80-CHARACTER TRAILER LABELS)

RECORD LENGTH: 100 BYTES
RECORD FORMAT: FIXED BLOCK
BLOCK SIZE: 1000 BYTES

II. FILE INFORMATION

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     ****************************************************************
     *                                                              *
     *                                                              *
     *           WORKING-STORAGE INPUT RECORD LAYOUT                 *
     *            FOR MULTI-WELL FILE TAPE (OLTDW)                   *
     *                                                              *
     * LRECL = 100                                                  *
     * BLKSIZE = 11000                                              *
     *                                                              *
     ****************************************************************
     * Y2K CONVERSION - REFORMAT ALL DATES                          *
     *                                                              *
     ****************************************************************


      01  DTL-TAPE-REC.
          02  DW-TAIL-INFO.                                       POS.
              03  DW-DST                       PIC XXX.            1
              03  DW-FIELD-NUMBER              PIC 9(8).           4
              03  DW-OPERATOR-NUMBER           PIC 9(6).          12
              03  DW-LSE                       PIC 9(5).          18
              03  DW-RECNO                     PIC X.             23
              03  DW-WELLNO                    PIC X(6).          24
              03  DW-CO                        PIC 999.           30
              03  DW-TYPEW                     PIC X.             33
              03  DW-EX14B.
                  05  DW-EX14B-CD              PIC X.             34
                  05  DW-14B-DATE              PIC 9(6).          35
                  05  DW-14B-DATE-REDF REDEFINES DW-14B-DATE.
                      07  DW-14B-CCYY          PIC 9(4).
                      07  DW-14B-CCYY-REDF REDEFINES DW-14B-CCYY.
                          09  DW-14B-CENT      PIC 99.
                          09  DW-14B-YEAR      PIC 99.
                      07  DW-14B-MON           PIC 99.
              03  DW-EXC-TST                   PIC 9.             41
              03  DW-TST-EFF                   PIC X.             42
          02  DW-TAIL-TST.
              03  DW-TST-INFO OCCURS 2 TIMES.
                  05  DW-TST-DT                PIC 9(8).          43
                  05  DW-TST-DT-REDF REDEFINES DW-TST-DT.
                      07  DW-TST-CCYY          PIC 9(4).
                      07  DW-TST-CCYY-REDF REDEFINES
                          DW-TST-CCYY.
                          09  DW-TST-CC        PIC 99.
                          09  DW-TST-YR        PIC 99.
                      07  DW-TST-MO            PIC 99.
                      07  DW-TST-DY            PIC 99.
                  05  DW-OIL                   PIC 9(4)V9.        51
                  05  DW-PRD-METHOD            PIC 9.             56
                  05  DW-WATER                 PIC 9(4).          57
                  05  DW-GOR                   PIC 9(5).          61
          02  DW-END-TST.
              03  DW-OFF-SHOR                  PIC 9.             89
              03  DW-FRM-LCK                   PIC 9.             90
              03  DW-SUB-WELL                  PIC 9.             91
              03  DW-DELQ-FORM                 PIC 9.             92
              03  DW-DT-LST-UTL                PIC 9(6).          93
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03   DW-DT-LST-UTL-REDF REDEFINES DW-DT-LST-UTL.
     05  DW-DT-LST-UTL-CCYY         PIC 9(4).
     05  DW-DT-LST-UTL-CCYY-REDF REDEFINES
         DW-DT-LST-UTL-CCYY.
         07  DW-DT-LST-UTL-CENT     PIC 99.
         07  DW-DT-LST-UTL-YEAR     PIC 99.
     05  DW-DT-LST-UTL-MON          PIC 99.
03  FILLER                          PIC X(2).              99
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DISTRICT (DW-DST)

DISTRICTS ARE UNIQUE REGIONS CREATED BY THE RAILROAD COMMISSION. THERE
ARE 14 DISTRICTS--01, 02, 03, 04, 05, 06, 06E, 07B, 07C, 08, 08A, 08B, 09,
AND 10. FIELDS ARE LOCATED IN ONE OF THESE DISTRICTS OR MAY SPAN
DISTRICTS. THE FIRST TWO BYTES OF THIS DATA ITEM MUST BE NUMERIC. THE
LAST BYTE MUST BE ALPHABETIC OR BLANK. NOTE: DISTRICT 08B IS RESERVED FOR
FUTURE USE.

FIELD NUMBER (DW-FIELD-NUMBER)

THE FIELD NUMBER IS AN EIGHT-DIGIT NUMBER ASSINGED TO A FIELD BY THE FIELD
DESIGNATION SECTION OF THE OIL AND GAS DIVISION AT THE RRC. THE FIRST
FIVE DIGITS OF THE FIELD NUMBER ARE UNIQUE TO EACH FIELD. THE LAST THREE
DIGITS ARE THE RESERVOIR NUMBER. THE NUMERIC VALUES OF THE FIRST FIVE
NUMBERS ARE ASSOCIATED WITH THE SEQUENCE OF THE ALPHABET; AS THE
ALPHABETIC FIELD NAME ASCENDS, THE VALUES OF THE FIRST FIVE DIGITS
INCREASE. THE THREE-DIGIT RESERVOIR NUMBER DOES NOT HAVE THIS ALPHABETIC/
NUMERIC RELATION. (NOTE: WILDCAT FIELD NUMBERS HAVE NO
ALPHABETIC/NUMERIC RELATION IN THEM.)

OPERATOR NUMBER (DW-OPERATOR-NUMBER)

A SIX-DIGIT NUMBER ASSIGNED TO EACH OPERATOR AS A CONSEQUENCE OF THE
FILING OF A P-5 FORM (AN ORGANIZATION REPORT REQUIRED OF ANYONE ENTERING
ANY PHASE OF THE OIL OR GAS BUSINESS IN TEXAS WHICH IS REGULATED BY THE
RRC). THIS NUMBER REPRESENTS THE OPERATOR OF THE LEASE.

LEASE NUMBER (DW-LSE)

A FIVE-DIGIT NUMBER ASSIGNED BY THE RRC TO EACH LEASE. IT IS UNIQUE
WITHIN EACH DISTRICT.

RECORD NUMBER (DW-RECNO)

THIS DATA ITEM CONTAINS THE ALPHABETIC OR NUMERIC IDENTIFIER OF THE
MULTI-WELL RECORD. A NUMERIC IDENTIFIER USUALLY REPRESENTS WATERFLOOD
GROUPINGS.

WELL NUMBER (DW-WELLNO)

A SIX-CHARACTER WELL NUMBER ASSIGNED BY THE OPERATOR. THE WELL NUMBER IS
REQUIRED ON ALL REPORTS BY WELL. UNLIKE THE API NUMBER, A WELL NUMBER IS
NOT A UNIQUE IDENTIFIER OF THE WELL, AND WILL NOT NECESSARILY BE CHANGED
IF THE WELL IS WORKED OVER, ETC.

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COUNTY (DW-CO)
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THE COUNTY CODE IDENTIFIES THE COUNTY IN WHICH A WELL IS LOCATED.  THIS
CODE IS BASED ON THREE-DIGIT NUMBERS:  THE RAILROAD COMMISSION (RRC)
ASSIGNS A NUMBER TO EACH ONSHORE COUNTY; THE AMERICAN PETROLEUM INSTITUTE
(API) ASSIGNS A NUMBER TO EACH OFFSHORE COUNTY.  THE ACTUAL COUNTY CODES
MAY BE FOUND IN THE DUPLICATE OIL MASTER TAPE MANUAL.  THE FIRST 254
COUNTIES LISTED ARE ASSIGNED ODD NUMBERS (CODES 1, 3, 5...507) AND ARE
ONSHORE COUNTIES.  THE REMAINING 23 COUNTIES ARE ASSIGNED BOTH ODD AND
EVEN NUMBERS AND ARE OFFSHORE COUNTIES.  THIS DATA ITEM WILL CONTAIN THE
COUNTY IN WHICH THE WELL IS LOCATED.

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TYPE WELL (DW-TYPEW)
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THIS DATA ITEM INDICATES THE STATUS OF THE WELL AS IT IS PRINTED ON THE
PRORATION SCHEDULE.

ABANDONED                         A     NPX                    N
PRORATED             BLANK OR P         EXEMPT                 X
DISPOSAL                          D     SHUT-IN                S
SHUT-IN WITH 14(B)(2) EXC         E     WATER INJECTION        W
GAS INJECTION                     G
MARGINAL                          M


----------------------------------------
EXCEPTION TO SWR 14(B)(2) (DW-EX14B-CD)
----------------------------------------


THIS DATA ITEM INDICATES WHETHER THE WELL HAS AN EXTENSION TO 14(B)(2)
AND, IF SO, THE STATUS OF ITS EXTENSION.  STATEWIDE RULE 14(B)(2)
REQUIRES THAT ALL WELLS BE PLUGGED WHEN THEY ARE ABANDONED.

  CODE           EXCEPTION

  0              NO EXTENSION TO SWR 14(B)(2) HAS BEEN GRANTED
  1              EXTENSION TO SWR 14 (B)(2) IN EFFECT
  4              EXTENSION TO SWR 14 (B)(2) DENIED
  5              EXTENSION TO SWR 14 (B)(2) DENIED DUE TO H-15 VIOLATION
  B              WELL IS A SHUT-IN MULTIPLE COMPLETION
  P              WELL IS A PARTIAL PLUB
  L              WELL HAS A LEGAL VIOLATION
  H              WELL HAS AN H-15 VIOLATION
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EX-14B-DATE (DW-DATE)
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DATE OF THE EXPIRATION OF THE WELL'S EXCEPTION TO STATEWIDE RULE 14(B)(2).
THE RULE REQUIRES THAT ALL WELLS BE PLUGGED UPON ABANDONMENT.  DATE FORMAT
IS CCYYMM WHERE CC IS CENTURY, YY IS YEAR AND MM IS MONTH.


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EXCEPTION TO TESTING (DW-EXC-TST)
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THIS DATA ITEM INDICATES WHETHER AN OIL WELL HAS AN EXCEPTION TO TESTING
ANNUALLY OR SEMI-ANNUALLY.

  CODE      EXCEPTION

  0         REGULAR TESTING IS REQUIRED
  1         NO W-10 TESTING IS REQUIRED
  2         NO COMMINGLE TEST IS REQUIRED, METERED
  3         EXECUTE SURVEY ONLY
  4         PARTIAL COMMINGLE LEASE (OIL ONLY)
  5         LEASE ALLOWABLE CUSTODY TRANSFER (LACT) REGULAR TESTING IS REQUIRED
  6         LEASE ALLOWABLE CUSTODY TRANSFER (LACT) EXEMPT FROM COMMINGLE TESTING
  7         ONE MONTH DELAY ALLOWED (District Offices)


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TEST EFFECTIVE (DW-TST-EFF)
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THIS DATA ITEM CONTAINS THE MONTH THAT THE REQUIRED W-10 BECOMES
EFFECTIVE.  AN OPERATOR SUBMITS TO THE RRC FORM W-10 (OIL WELL STATUS
REPORT) TO REPORT THE RESULTS OF WELL TESTS CONDUCTED FOR THE PURPOSE OF
ESTABLISHING OR ADJUSTING THE WELL'S ALLOWABLE.  OIL WELLS TEST ANNUALLY,
EXCEPT WHEN COMMINGLING, THEN THEY TEST SEMIANNUALLY.  THE TESTING PERIOD
IS USUALLY THREE MONTHS IN LENGTH.  THE FIRST DAY OF THE FOURTH MONTH IS
THE DUE DATE, AND THE FIRST DAY OF THE FIFTH MONTH IS THE EFFECTIVE DATE.
IN THIS DATA ITEM, THE FIRST MONTH OF THE YEAR, JANUARY, IS REPRESENTED BY
1, THE SECOND NONTH, FEBRUARY, BY 2, AND SO ON, UNTIL THE TENTH MONTH,
OCTOBER, WHICH IS REPRESENTED BY A, NOVEMBER BY B, AND DECEMBER BY C.

NONE                            0
JANUARY-SEPTEMBER               1-9
OCTOBER-DECEMBER                A-C


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THE FOLLOWING 48 BYTES CONTAIN THE TEST DATA FOR THE LAST TWO TESTS; THE
FIRST 24 BYTES CONTAIN THE DATA FOR THE PREVIOUS TEST, AND THE NEXT 24
BYTES CONTAIN THE DATA FOR THE MOST RECENT TEST.
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TEST DATE (DW-TST-DT)
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THE DATE THE TEST WAS FILED.  DATE FORMAT IS CCYYMMDD WHERE CC IS CENTURY,
YY IS YEAR, MM IS MONTH AND DD IS DAY.
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POTENTIAL (DW-OIL)

THIS DATA ITEM CONTAINS THE WORKING POTENTIAL OF THE WELL IN BARRELS PER
CALENDAR DAY. FOUR WHOLE NUMBERS AND ONE DECIMAL PLACE ARE REPRESENTED.
THIS POTENTIAL MAY COME FROM THE TEST OR FROM THE COMPUTER CALCULATION
BASED ON THE PRODUCTION.

PRODUCING METHOD (DW-PRD-METHOD)

THIS DATA ITEM INDICATES THE PRODUCING METHOD OF THE WELL.

    0   FLOWING   4   VACUUM
    1   PUMPING   5   CASING LEAK
    2   GAS LIFT   6   DESIGNATE WELL
    3   GAS LIFT WITH   7   RECEIVING WELL
         10,000:1 EXCEPTION   8   WATER WELL SHUT DOWN

WATER PRODUCTION (DW-WATER)

THE AMOUNT OF WATER IN BARRELS PRODUCED WITH OIL DURING THE TEST
(GENERALLY A 24-HOUR PERIOD).

GAS/OIL RATIO (DW-GOR)

THE GAS/OIL RATIO OF THE WELL IN CUBIC FEET PER BARREL. AN OIL WELL'S
PRODUCTION WILL BE CURTAILED IF THE GAS PRODUCED IS GREATER THAN 2000 MCF
OF GAS PER BARREL OF OIL. IN SOME INSTANCES, THE GOR FOR A WELL WILL NOT
HAVE BEEN REPORTED (AND HENCE THIS DATA ITEM WILL CONTAIN ALL ZEROS).

OFFSHORE CODE (DW-OFF-SHOR)

THE OFFSHORE CODE INDICATES THE GEOGRAPHIC SURFACE OF A FIELD USING THE
LOCATION OF THE DISCOVERY WELL AS A POINT OF REFERENCE. THE STATE OF
TEXAS' OFFSHORE ENCOMPASSES THE AREA IN THE GULF OF MEXICO FROM THE
COASTLINE TO THREE LEAGUES (APPROX. 10 MILES) OUT INTO THE GULF. IN
MID-1980, THE RAILROAD COMMISSION NO LONGER REQUIRED THAT PRODUCTION FROM
FEDERAL OFFSHORE LEASES BE REPORTED. AS A CONSEQUENCE, THE CODES WHICH
INCLUDE FEDERAL OFFSHORE ARE NO LONGER USED.

0   LAND
1   STATE (BAYS AND EXTUARIES)
2   STATE (OFFSHORE FROM ISLANDS)
3   FEDERAL
4   LAND AND STATE (BAYS AND ESTUARIES)
5   STATE (BAYS AND ESTUARIES) AND STATE (OFFSHORE)
6   STATE (OFFSHORE) AND FEDERAL
7   LAND, STATE (BAYS AND EXTUARIES), AND STATE (OFFSHORE)
8   STATE (BAYS AND EXTUARIES), STATE (OFFSHORE) AND FEDERAL
9   LAND, STATE (BAYS AND ESTUARIES), STATE (OFFSHORE) AND FEDERAL

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FORM LACKING (DW-FRM-LCK)
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THIS CODE INDICATES WHETHER THERE ARE DELINQUENT W-10 FORMS FOR THIS WELL.

0    FORM W-10 HAS BEEN RECEIVED
1-9  FORM W-10 IS DELINQUENT


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SUB-WELL CODE (DW-SUB-WELL)
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THIS CODE INDICATES WHETHER THE WELL IS SHUT-IN, AND IF SO, WHAT TYPE OF
SHUT-IN WELL IT IS.

0  NOT SHUT-IN              5  LPG STORAGE
1  DRY HOLE                 6  OTHER SERVICE
2  WATER SUPPLY             7  SEALED
3  OBSERVATION              8  FIELD OPERATION
4  GAS STORAGE              9  OTHER INJECTION


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DELINQUENT FORM (DW-DELQ-FORM)
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THIS CODE INDICATES WHETHER THE WELL IS SHUT-IN BECAUSE OF A DELINQUENT
FORM.

0    NO, THE WELL IS NOT SHUT-IN BECAUSE OF A DELINQUENT FORM
1    YES, THE WELL IS SHUT-IN BECAUSE OF A DELINQUENT FORM


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DATE LAST UTILIZED (DW-DT-LST-UTL)
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THE DATE THE WELL WAS LAST UTILIZED IF THE WELL IS SHUT-IN.  DATE FORMAT IS
CCYYMM WHERE CC IS CENTURY, YY IS YEAR AND MM IS MONTH.
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