RAILROAD COMMISSION OF TEXAS

OIL AND GAS WELL BORE SYSTEM

USER'S GUIDE

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This publication was developed for the general public in response to inquiries concerning the availability of oil and gas well bore information on magnetic tape. If you request assistance in using the manual, your request will be given every consideration.

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I. GENERAL INFORMATION

IDENTIFICATION

Developed For:	Users of Oil and Gas Well Bore Information
By:	Railroad Commission of Texas
System Name:	Well Bore
Computer:	IBM 2003-116

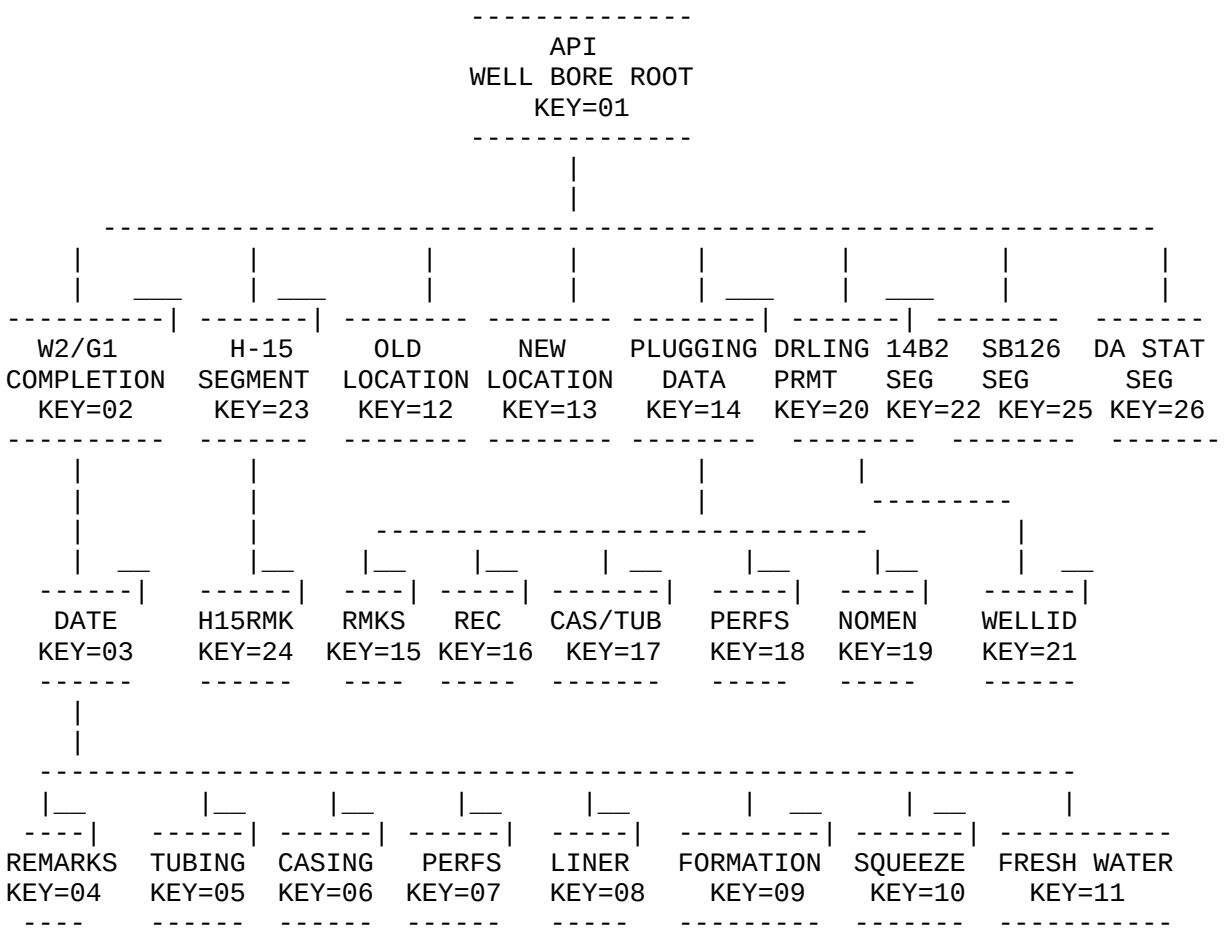
GENERAL DESCRIPTION

The Well Bore tape file is set up in a hierarchical structure with the Well Bore Root (API Number) being the root of the file (see page I.2). The Well Bore Root is a segment of the data base that contains API Numbers in numerical order. An API number is a unique number assigned to every well bore in the state. The key is the first two bytes of each record that identifies the segment (see page I.3). For each specific well bore (key=01) there may be information from each segment pertaining to that well bore (e.g. Completion, key=02; Date, key=03; etc.).

To proceed to the next well bore on the tape, look for the next key=01 record.

The symbol indicating a recurring segment(^) shown on page I.2 , means, for example, there can be more than one completion, plug, drilling permit, etc., for one well bore.

WELL BORE DATA BASE FLOWCHART



PHYSICAL TAPE CHARACTERISTICS

1600 BPI, Channel Phase Encoded

IBM Standard Labels
(One 80-character volume label, Two 80-character header labels and Two 80-character trailer labels)

Dataset Name: T.DBF900

Record Length: 247

Blocking Factor: 132

Blocksize: 32,604

The keys to the Well Bore Data Base segments can be found in the first two bytes of each record. The key representation is as follows:

01	---------->	Well Bore Technical Data Root Segment
02	---------->	Well Bore Completion Information Segment
03	---------->	Well Bore Technical Data Forms File Data
04	---------->	Well Bore Remarks Segment
05	---------->	Well Bore Tubing Segment
06	---------->	Well Bore Casing Segment
07	---------->	Well Bore Perf Segment
08	---------->	Well Bore Liner Segment
09	---------->	Well Bore Formation Data Segment
10	---------->	Well Bore Squeeze Segment
11	---------->	Well Bore Usable Quality Water Protection
12	---------->	Well Bore Old Location Segment
13	---------->	Well Bore New Location Segment
14	---------->	Well Bore Plugging Data Segment
15	---------->	Well Bore Plugging Remarks Segment
16	---------->	Well Bore Plugging Record Segment
17	---------->	Well Bore Plugging Data Casing-Tubing record
18	---------->	Well Bore Plugging Perfs Segment
19	---------->	Well Bore Plugging Data Nomenclature Segment
20	---------->	Well Bore Drilling Permit Number
21	---------->	Well Bore Well-ID Segment
22	---------->	14B2 Well Segment
23	---------->	H-15 Report Segment
24	---------->	H-15 Remark Segment
25	---------->	Senate Bill 126 (2-Yr Inactive Program) Segment
26	---------->	Well Bore - Drilling Permit Status Segment

II. FILE INFORMATION

```
*****************************************************************
* WBW700A(2)        WELL  BORE                                  *
*                                                               *
*              WELL BORE TECHNICAL DATA  ROOT SEGMENT           *
*                                                               *
* SEGMENT NAME:  WBROOT                                         *
* SEGMENT LENGTH:  165                                          *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|  OPTION  *
*---------------|--------------------------|----------|--------- *
* SEGMENT KEY   | WB-API-NUMBER            |  WBAPINUM|  UNIQUE  *
* SECONDARY KEY | WB-NEWEST-DRL-PMT-NBR    |  XNEWDRL |          *
* SEARCH FIELDS | WB-RES-CNTY-CODE         |  WBRESCTY|          *
* SEARCH FIELDS | WB-NEWEST-DRL-PMT-NBR    |  WBNEWDRL|          *
*               |                          |          |          *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-API-ROOT.
         03  WB-API-NUMBER           VALUE  ZEROS.
             05  WB-API-CNTY                         PIC 9(03).    3
             05  WB-API-UNIQUE                       PIC 9(05).    6
         03  WB-NXT-AVAIL-SUFFIX     VALUE ZEROS     PIC 9(02).    11
         03  WB-NXT-AVAIL-HOLE-CHGE-NBR  VALUE ZEROS PIC 9(02).    13
         03  WB-FIELD-DISTRICT       VALUE ZEROS     PIC 9(02).    15
         03  WB-RES-CNTY-CODE        VALUE ZEROS     PIC 9(03).    17
         03  WB-ORIG-COMPL-CC        VALUE SPACE     PIC X(01).    20
             88  WB-ZEROS-FOR-DATE   VALUE '0'.
             88  WB-19TH-CENTURY     VALUE '1'.
             88  WB-20TH-CENTURY     VALUE '2'.
             88  WB-21ST-CENTURY     VALUE '3'.
         03  WB-ORIG-COMPL-DATE.
             05  WB-ORIG-COMPL-CENT  VALUE ZEROS     PIC 9(02).    21
             05  WB-ORIG-COMPL-YY    VALUE ZEROS     PIC 9(02).    23
             05  WB-ORIG-COMPL-MM    VALUE ZEROS     PIC 9(02).    25
             05  WB-ORIG-COMPL-DD    VALUE ZEROS     PIC 9(02).    27
         03  WB-TOTAL-DEPTH          VALUE ZEROS     PIC 9(05).    29
         03  WB-VALID-FLUID-LEVEL    VALUE ZEROS     PIC 9(05).    34
         03  WB-CERTIFICATION-REVOKED-DATE.
             05  WB-CERT-REVOKED-CC      VALUE ZEROS PIC 9(02).    39
             05  WB-CERT-REVOKED-YY      VALUE ZEROS PIC 9(02).    41
             05  WB-CERT-REVOKED-MM      VALUE ZEROS PIC 9(02).    43
             05  WB-CERT-REVOKED-DD      VALUE ZEROS PIC 9(02).    45
         03  WB-CERTIFICATION-DENIAL-DATE.
             05  WB-CERTIFICATION-DENIAL-CC VALUE ZEROS PIC 9(02). 47
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    05  WB-CERTIFICATION-DENIAL-YY VALUE ZEROS PIC 9(02).    49
    05  WB-CERTIFICATION-DENIAL-MM VALUE ZEROS PIC 9(02).    51
    05  WB-CERTIFICATION-DENIAL-DD VALUE ZEROS PIC 9(02).    53
03  WB-DENIAL-REASON-FLAG         VALUE SPACES PIC X(01).    55
    88  WB-DENIED-AUTOMATICALLY   VALUE 'A'.
    88  WB-DENIED-MANUALLY        VALUE 'M'.
03  WB-ERROR-API-ASSIGN-CODE VALUE SPACE       PIC X(01).    56
03  WB-REFER-CORRECT-API-NBR VALUE ZEROS       PIC 9(08).    57
03  WB-DUMMY-API-NUMBER     VALUE ZEROS       PIC 9(08).    65
03  WB-DATE-DUMMY-REPLACED  VALUE ZEROS       PIC 9(08).    73
03  WB-NEWEST-DRL-PMT-NBR   VALUE ZEROS       PIC 9(06).    81
03  WB-CANCEL-EXPIRE-CODE   VALUE SPACE       PIC X(01).    87
03  FILLER                        VALUE SPACE  PIC X(01).    88
03  WB-EXCEPT-13-A                VALUE 'N'    PIC X(01).    89
    88  WB-EXCEPT-13A-FILED       VALUE 'Y'.
    88  WB-EXCEPT-13A-NOT-FILED   VALUE 'N'.
03  WB-FRESH-WATER-FLAG           VALUE 'N'    PIC X(01).    90
    88  WB-FRESH-WATER            VALUE 'Y'.
03  WB-PLUG-FLAG            VALUE 'N'         PIC X(01).    91
    88  WB-BORE-PLUGGED     VALUE 'Y'.
03  WB-PREVIOUS-API-NBR     VALUE ZEROS       PIC 9(08).    92
03  WB-COMPLETION-DATA-IND  VALUE  'N'        PIC X(01).   100
    88  WB-DATA-ON-FILE     VALUE 'Y'.
    88  WB-DATA-NOT-ON-FILE VALUE 'N'.
03  WB-HIST-DATE-SOURCE-FLAG VALUE ZERO       PIC 9(01).   101
    88  WB-DATE-FROM-P-I-TAPE VALUE 1.
    88  WB-DATE-FROM-OTHER    VALUE 2.
03  FILLER                  VALUE  SPACES     PIC X(01).   102
03  WB-EX14B2-COUNT         VALUE  ZEROS      PIC 9(02).   103
03  WB-DESIGNATION-HB-1975-FLAG   VALUE ZEROS  PIC X(01).   105
    88  WB-AUTO-DESIGNATED-HB-1975    VALUE 'A'.
    88  WB-MANUAL-DESIGNATED-HB-1975  VALUE 'M'.
03  WB-DESIGNATION-EFFECTIVE-DATE.
    05  WB-DESIGNATION-EFFEC-CC   VALUE ZEROS  PIC 9(02).   106
    05  WB-DESIGNATION-EFFEC-YY   VALUE ZEROS  PIC 9(02).   108
    05  WB-DESIGNATION-EFFEC-MM   VALUE ZEROS  PIC 9(02).   110
03  WB-DESIGNATION-REVISED-DATE.
    05  WB-DESIGNATION-REVISED-CC VALUE ZEROS  PIC 9(02).   112
    05  WB-DESIGNATION-REVISED-YY VALUE ZEROS  PIC 9(02).   114
    05  WB-DESIGNATION-REVISED-MM VALUE ZEROS  PIC 9(02).   116
03  WB-DESIGNATION-LETTER-DATE.
    05  WB-DESIGNATION-LETTER-CC  VALUE ZEROS  PIC 9(02).   118
    05  WB-DESIGNATION-LETTER-YY  VALUE ZEROS  PIC 9(02).   120
    05  WB-DESIGNATION-LETTER-MM  VALUE ZEROS  PIC 9(02).   122
    05  WB-DESIGNATION-LETTER-DD  VALUE ZEROS  PIC 9(02).   124
03  WB-CERTIFICATION-EFFECT-DATE.
    05  WB-CERTIFICATION-EFFEC-CC VALUE ZEROS  PIC 9(02).   126
    05  WB-CERTIFICATION-EFFEC-YY VALUE ZEROS  PIC 9(02).   128
    05  WB-CERTIFICATION-EFFEC-MM VALUE ZEROS  PIC 9(02).   130
```

```
    03  WB-WATER-LAND-CODE            VALUE SPACES PIC X(01).    132
        88  WB-INLAND-WATERWAY        VALUE 'I'.
        88  WB-BAY-ESTUARY            VALUE 'B'.
        88  WB-OFFSHORE               VALUE 'O'.
        88  WB-LAND                   VALUE 'L'.
    03  WB-TOTAL-BONDED-DEPTH         VALUE ZEROS  PIC 9(06).    133
    03  WB-OVERRIDE-EST-PLUG-COST     VALUE ZEROS  PIC 9(07).    139
    03  WB-SHUT-IN-DATE               VALUE ZEROS  PIC 9(06).    146
    03  FILLER REDEFINES WB-SHUT-IN-DATE.
        05  WB-SHUT-IN-YEAR                        PIC 9(04).
        05  WB-SHUT-IN-MONTH                       PIC 9(02).
    03  WB-OVERRIDE-BONDED-DEPTH      VALUE ZEROS  PIC 9(06).    152
    03  WB-SUBJ-TO-14B2-FLAG          VALUE ZEROS  PIC X(01).    152
        88  WB-SUBJ-TO-14B2           VALUE 'Y'.
    03  WB-PEND-REMOVAL-14B2-FLAG     VALUE ZEROS  PIC X(01).    152
        88  WB-PEND-REMOVAL-14B2      VALUE 'Y'.
    03  FILLER                        VALUE ZEROS  PIC X(08).    153
02  RRC-TAPE-FILLER                                 PIC X(0080). 168
```

```
*****************************************************************
*                    WELL  BORE                                 *
*      WELL BORE TECHNICAL DATA  ROOT SEGMENT                   *
*****************************************************************
WELL-BORE-API-ROOT.

WB-API-NUMBER
WB-API-CNTY
INDICATES COUNTY IN WHICH BORE IS LOCATED.  FOR OFF-SHORE WELLS
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID.  Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 01    Wellbore Root Segment

           COUNTY CODE WILL REFLECT NEAREST ON-SHORE COUNTY.
     WB-API-UNIQUE
           NUMBER ASSIGNED TO WELL BORE WHICH, IN COMBINATION WITH COUNTY
           CODE, IS UNIQUE TO THE BORE.

WB-NXT-AVAIL-SUFFIX
           TWO DIGIT NUMBER, WHEN ADDED TO THE API NUMBER IDENTIFIES
           SIDETRACK WELLS.  CURRENTLY NOT IN USE.

WB-NXT-AVAIL-HOLE-CHGE-NBR
           CURRENTLY NOT IN USE.

WB-FIELD-DISTRICT
           DISTRICT IN WHICH FIELD IS LOCATED.

WB-RES-CNTY-CODE
           IF THE WB-API-CNTY IS AN OFFSHORE COUNTY, THE ASSOCIATED ONSHORE
           COUNTY CODE IS STORED IN THIS DATA FIELD.

WB-ORIG-COMPL-CC
           CENTURY CODE FOR THE FOLLOWING ITEM, WB-ORIG-COMPL-DATE.
     WB-ZEROS-FOR-DATE             VALUE '0'.
     WB-19TH-CENTURY               VALUE '1'.
     WB-20TH-CENTURY               VALUE '2'.
     WB-21ST-CENTURY               VALUE '3'.
```

WB-ORIG-COMPL-DATE
DATE REPORTED ON W-2 OR G-1 WHEN WELL WAS ORIGINALLY COMPLETED. FORMAT: CCYYMMDD

WB-TOTAL-DEPTH
MAXIMUM DEPTH OF WELL BORE.

WB-VALID-FLUID-LEVEL
IN H-15 TESTING, A VALID DISTANCE IN FEET DETERMINED BY THE COMMISSION BETWEEN THE BOTTOM OF USABLE WATER IN THE AREA AND TOP OF FLUID IN WELLBORE IF THAT DISTANCE IS DIFFERENT THAN THE STANDARD 250'.

WB-CERTIFICATION-REVOKED-DATE
DATE THE HOUSE BILL 1975 CERTIFICATION WAS REVOKED. FORMAT: CCYYMMDD

WB-CERTIFICATION-DENIAL-DATE
DATE THE HOUSE BILL 1975 CERTIFICATION WAS DENIED. FORMAT: CCYYMMDD

WB-DENIAL-REASON-FLAG
THIS FLAG WILL BE SET TO 'A' IF IT WAS AUTOMATICALLY DENIED CERTIFICATION FOR HOUSE BILL 1975. THIS FLAG WILL BE SET TO 'M' IF IT WAS MANUALLY (ONLINE) DENIED CERTIFICATION FOR HOUSE BILL 1975. THIS FLAG WILL BE SET TO ZERO OR SPACE IF IT HAS NOT BEEN DENIED CERTIFICATION FOR HOUSE BILL 1975.

WB-DENIED-AUTOMATICALLY	VALUE 'A'.
WB-DENIED-MANUALLY	VALUE 'M'.

WB-ERROR-API-ASSIGN-CODE
INDICATES THAT API PREVIOUSLY ASSIGNED HAS CHANGED.

WB-REFER-CORRECT-API-NBR
INDICATES MOST RECENT RESOLUTION OF API OR CORRECT ASSIGNMENT.

WB-DUMMY-API-NUMBER
80,000-RANGE NUMBERS ASSIGNED TO BORES WITHOUT API NUMBERS AS OF DECEMBER 1983 AND TO BORES WHICH ARE IDENTIFIED LATER AS HAVING BEEN DRILLED BEFORE 1966 AND HAVING NO API.

WB-DATE-DUMMY-REPLACED
DATE THAT API IS REPLACED BY ANOTHER API NUMBER. NOT IN USE AS OF JANUARY, 1984. FORMAT: CCYYMMDD

WB-NEWEST-DRL-PMT-NBR
INDICATES DATE OF PERMIT TO DRILL ISSUED MOST RECENTLY IN A PARTICULAR BORE.

WB-CANCEL-EXPIRE-CODE
INDICATES WHETHER NEWEST DRILLING PERMIT WAS CANCELLED OR

EXPIRED, AS OPPOSED TO HAVING BEEN USED.

WB-EXCEPT-13-A
INDICATES WHETHER OR NOT OPERATOR WAS GRANTED AN EXCEPTION TO SWR 13A.

WB-EXCEPT-13A-FILED	VALUE 'Y'.
WB-EXCEPT-13A-NOT-FILED	VALUE 'N'.

WB-PLUG-FLAG
INDICATES WHETHER OR NOT WELL BORE HAS BEEN PLUGGED.

WB-BORE-PLUGGED	VALUE 'Y'.

WB-FRESH-WATER-FLAG
INDICATES WHETHER OR NOT WELL HAS BEEN CONVERTED TO A FRESH WATER WELL.

WB-FRESH-WATER	VALUE 'Y'.

WB-PREVIOUS-API-NBR
INDICATES THE API NUMBER PREVIOUSLY ASSIGNED TO THE BORE, WHICH WAS LATER FOUND TO BE AN INCORRECT ASSIGNMENT.

WB-COMPLETION-DATA-IND
INDICATES WHETHER OR NOT WELL BORE COMPLETION INFORMATION IS ON FILE FOR A PARTICULAR WELL.

WB-DATA-ON-FILE	VALUE 'Y'.
WB-DATA-NOT-ON-FILE	VALUE 'N'.

WB-HIST-DATE-SOURCE-FLAG
INDICATES WHERE ORIGINAL WELL BORE COMPLETION DATE CAME FROM A NON-RRC SOURCE.

WB-EX14B2-COUNT
NUMBER OF W-1X 14B2 EXTENSIONS GRANTED FOR THE WELLBORE.

WB-CERTIFIED-FOR-HB-1975-FLAG
'A' - THE WELLBORE WAS AUTOMATICALLY CERTIFIED FOR HOUSE BILL 1975 BY THE MONTHLY COMPUTER RUN
'M' - THE WELLBORE WAS MANUALLY CERTIFIED FOR HOUSE BILL 1975 BY THE OPERATOR FILING AN ST2 FORM
ZEROS OR SPACES - THE WELLBORE IS NOT CERTIFIED FOR HOUSE BILL 1975.

WB-DESIGNATION-EFFECTIVE-DATE
THIS DATA ITEM IS A SIX CHARACTER DATE REPRESENTING THE FIRST DATE THE WELL BECOMES ELIGIBLE FOR CERTIFICATION FOR TAX EXEMPTION. FORMAT: CCYYMM

WB-DESIGNATION-REVISED-DATE
THIS IS A MANUAL MODIFICATION FOR THE AUTOMATICALLY GENERATED WB-DESIGNATION-EFFECTIVE-DATE. FORMAT: CCYYMM

WB-DESIGNATION-LETTER-DATE
THIS IS A THE DATE THAT A LETTER WAS SENT TO NOTIFY THE OPERATOR THAT THIS WELLBORE IS A CANDIDATE FOR HOUSE BILL 1975 CERTIFICATION. FORMAT: CCYYMMDD

WB-CERTIFICATION-EFFECT-DATE
THIS DATA ITEM IS THE DATE THE WELLBORE WAS CERTIFIED TO RECEIVE A TAX CREDIT FOR HOUSE BILL 1975. FORMAT: CCYYMM

WB-WATER-LAND-CODE
THIS DATA ITEM HOLDS A 1 BYTE CODE DETAILING THE WATER OR LAND LOCATION OF THE WELLBORE.

OFFSHORE	-	'O'
BAY/ESTUARY	-	'B'
INLAND WATERWAY	-	'I'
LAND	-	'L'

WB-OVERRIDE-EST-PLUG-COST
THIS DATA ITEM HOLDS THE AMOUNT THAT IS REQUIRED TO PLUG A WELLBORE. THIS AMOUNT TAKES PRECEDENCE OVER ANY OF THE COMPUTED DEPTH AMOUNTS. THIS DATA IS USED IN THE 14B2 SYSTEM AS THE AMOUNT REQUIRED FOR AN INDIVIDUAL WELL BOND WHEN A WELL HAS BEEN INACTIVE FOR MORE THAN 36 MONTHS.

WB-SHUT-IN-DATE
THIS DATA ITEM REFLECTS THE DATE THAT ALL WELLS IN A WELLBORE HAVE BEEN INACTIVE.

WB-OVERRIDE-BONDED-DEPTH
THIS DATA ITEM IS USED TO COMPUTE THE REQUIRED BOND AMOUNT FOR PLUGGING THE WELLBORE. THIS DATA ITEM WHEN PRESENT IS USED INSTEAD OF THE TOTAL DEPTH OR TOTAL BONDED DEPTH.

WB-SUBJ-TO-14B2-FLAG
THIS DATA ITEM IS SET WHEN ALL THE WELLS IN THE WELLBORE HAVE BEEN SHUT-IN FOR ONE YEAR AND ONE WELL IS SUBJECT TO RULE 14B2.

WB-PENDING-REMOVAL-FLAG
THIS DATA ITEM IS USED FOR WELLBORES SUBJECT TO 14B2 THAT ARE BECOMING ACTIVE BY PRODUCING FOR THREE CONSECUTIVE MONTHS.

```
*****************************************************************
*                    WELL  BORE                                 *
*            COMPLETION INFORMATION SEGMENT                     *
*                                                 169 BYTES     *
* SEGMENT NAME:  WBCOMPL                  (RECURRING)           *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|  OPTION  *
*---------------|--------------------------|----------|--------- *
* SEGMENT KEY   | WB-OIL-KEY (WB-GAS-KEY)  |  WBCPLKEY|  UNIQUE  *
* SECONDARY KEY | WB-OIL-KEY (WB-GAS-KEY)  |  XCPLKEY |          *
* SEARCH KEY    | WB-OIL-KEY (WB-GAS-KEY)  |  WBCPLKEY|          *
* SEARCH FIELDS | WB-RULE-37-NBR           |  WBRULE37|          *
*****************************************************************
```

```
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-COMPLETION-SEG.
         03  WB-OIL-KEY.
             05  WB-OIL-CODE                         PIC X(01).  3
             05  WB-OIL-DIST                         PIC 9(02).  4
             05  WB-OIL-LSE-NBR                      PIC 9(05).  6
             05  WB-OIL-WELL-NBR                     PIC X(06).  11
         03  WB-GAS-KEY REDEFINES WB-OIL-KEY.
             05  WB-GAS-CODE                         PIC X(01).
             05  WB-GAS-RRC-ID                       PIC 9(06).
             05  WB-GAS-FILLER                       PIC X(07).
         03  WB-GAS-DIST                 VALUE ZEROS    PIC 9(02).  17
         03  WB-GAS-WELL-NO              VALUE SPACES   PIC X(06).  19
         03  WB-MULTI-WELL-REC-NBR       VALUE SPACE    PIC X(01).  25
         03  WB-API-SUFFIX               VALUE ZEROS    PIC 9(02).  26
         03  FILLER                      VALUE ZEROS    PIC X(18).  28
         03  WB-ACTIVE-INACTIVE-CODE     VALUE SPACE    PIC X(01).  46
         03  FILLER                      VALUE SPACES   PIC X(40).  47
         03  WB-DWN-HOLE-COMMINGLE-CODE  VALUE SPACE    PIC X(01).  87
         03  FILLER                      VALUE ZEROS    PIC X(34).  88
         03  WB-CREATED-FROM-PI-FLAG     VALUE SPACE    PIC X(01).  122
             88  WB-CREATED-FROM-PI      VALUE 'Y'.
             88  WB-NOT-CREATED-FROM-PI  VALUE 'N'.
         03  WB-RULE-37-NBR              VALUE ZEROS    PIC 9(07).  123
         03  FILLER                      VALUE SPACES   PIC X(05).  130
         03  FILLER                      VALUE ZEROS    PIC X(05).  135
         03  FILLER                      VALUE SPACES   PIC X(10).  140
         03  FILLER                      VALUE ZEROS    PIC X(04).  150
         03  FILLER                      VALUE SPACES   PIC X(02).  154
         03  WB-P-15                     VALUE 'N'      PIC X(01).  156
             88  WB-P-15-FILED           VALUE 'Y'.
             88  WB-P-15-NOT-FILED       VALUE 'N'.
         03  WB-P-12                     VALUE 'N'      PIC X(01).  157
             88  WB-P-12-FILED           VALUE 'Y'.
             88  WB-P-12-NOT-FILED       VALUE 'N'.
*==> 9(6) TO 9(8).
         03  WB-PLUG-DATE-POINTER        VALUE ZEROS    PIC 9(08).  158
*==* X(8) TO X(6).
         03  FILLER                      VALUE SPACES   PIC X(06).  166
*==* EXPANDED ZERO BYTES.
     02  RRC-TAPE-FILLER                             PIC X(0076). 172
```

```
*****************************************************************
*                     WELL  BORE                                *
*             COMPLETION INFORMATION SEGMENT                    *
*****************************************************************
WELL-BORE-COMPLETION-SEG.

WB-OIL-KEY.
WB-OIL-CODE
        INDICATES THAT WELL IS CARRIED ON OIL SCHEDULE.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 02    Well Bore Completion Information


 WB-OIL-DIST
        DISTRICT IN WHICH OIL WELL IS LOCATED.
 WB-OIL-LSE-NBR
        LEASE NUMBER OF COMPLETED OIL WELL.
 WB-OIL-WELL-NBR
        WELL NUMBER OF COMPLETED OIL WELL.

WB-GAS-KEY REDEFINES WB-OIL-KEY.
   WB-GAS-CODE
          INDICATES THAT WELL IS CARRIED ON GAS SCHEDULE.
   WB-GAS-RRC-ID
          UNIQUE GAS WELL ID NUMBER.
   WB-GAS-FILLER

WB-GAS-DIST
          DISTRICT IN WHICH GAS WELL IS LOCATED.

WB-GAS-WELL-NO
          WELL NUMBER OF COMPLETED GAS WELL.

WB-MULTI-WELL-REC-NBR
          INDICATES THE UNIT OR GROUP OF WELLS WITHIN THE LEASE THAT THE
          COMPLETED OIL WELL IS IN.

WB-API-SUFFIX
          NOT IN USE AS OF MARCH, 1992.

WB-ACTIVE-INACTIVE-CODE
          INDICATES WHETHER WELL IS ON OR OFF SCHEDULE.  NOT IN USE AS OF
          DECEMBER, 1983.
```

WB-DWN-HOLE-COMMINGLE-CODE
INDICATES WHETHER WELL IS DOWNHOLE COMMINGLED. NOT IN USE AS OF
DECEMBER, 1983.

WB-CREATED-FROM-PI-FLAG
INDICATES WHETHER PI FILES ARE THE SOLE SOURCE OF INFORMATION ON A WELL BEING ADDED TO THE WELL BORE FILES. SHOWN ON SUSPENSE CARDS CREATED FOR CENTRAL RECORDS.

WB-CREATED-FROM-PI	VALUE 'Y'.
WB-NOT-CREATED-FROM-PI	VALUE 'N'.

WB-RULE-37-NBR
DOCKET NUMBER ASSIGNED TO WELL COMPLETED UNDER RULE 37 EXCEPTION.

WB-P-15
INDICATES WHETHER OR NOT STATEMENT OF PRODUCTIVITY OF ACREAGE WAS FILED.

WB-P-15-FILED	VALUE 'Y'.
WB-P-15-NOT-FILED	VALUE 'N'.

WB-P-12 VALUE 'N'
INDICATES WHETHER OR NOT CERTIFICATE OF POOLING AUTHORITY WAS FILED.

WB-P-12-FILED	VALUE 'Y'.
WB-P-12-NOT-FILED	VALUE 'N'.

WB-PLUG-DATE-POINTER
INDICATES DATE THAT PLUGGING REPORT WAS FILED ON COMPLETED WELL.
FORMAT: CCYYMMDD

```
*****************************************************************
*                    WELL BORE                                  *
*                                                               *
*               WELL BORE TECHNICAL DATA FORMS FILE DATE        *
*                                                               *
* SEGMENT NAME:  WBDATE                          (115 BYTES)    *
*                                                               *
* FUNCTION      | SOURCE                    |  SSA NAME|  OPTION  *
*---------------|---------------------------|----------|--------- *
* SEGMENT KEY   | WB-FILE-KEY               |  WBFILKEY|  UNIQUE  *
*               |                           |          |          *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-FILE-DATE.
*==> 9(6) TO 9(8).
         03  WB-FILE-KEY               PIC 9(08)  VALUE ZEROS.    3
*==> 9(6) TO 9(8).
         03  WB-FILE-DATE              PIC 9(08)  VALUE ZEROS.   11
         03  FILLER                    PIC X(08)  VALUE SPACES.  19
         03  WB-EXCEPT-RULE-11         PIC X(01)  VALUE 'N'.     27
             88  WB-EXCEPT-11-FILED                VALUE 'Y'.
             88  WB-EXCEPT-11-NOT-FILED            VALUE 'N'.
         03  WB-CEMENT-AFFIDAVIT       PIC X(01)  VALUE 'N'.     28
             88  WB-CMT-AFF-NOT-FILED              VALUE 'N'.
             88  WB-CMT-AFF-FILED                  VALUE 'Y'.
             88  WB-CMT-AFF-NOT-FOUND              VALUE 'B'.
             88  WB-CMT-AFF-AVAIL                  VALUE 'A'.
             88  WB-CMT-AFF-NOT-REQ                VALUE 'R'.
         03  WB-G-5                    PIC X(01)  VALUE 'N'.     29
             88  WB-G-5-FILED                      VALUE 'Y'.
             88  WB-G-5-NOT-FILED                  VALUE 'N'.
         03  WB-W-12                   PIC X(01)  VALUE 'N'.     30
             88  WB-W-12-FILED                     VALUE 'Y'.
             88  WB-W-12-NOT-FILED                 VALUE 'N'.
         03  WB-DIR-SURVEY             PIC X(01)  VALUE 'N'.     31
             88  WB-DIR-SURVEY-FILED               VALUE 'Y'.
             88  WB-DIR-SURVEY-NOT-FILED           VALUE 'N'.
*==> 9(6) TO 9(8).
         03  WB-W2-G1-DATE             PIC 9(08)  VALUE ZEROS.   32
*==> MMDDYY TO CCYYMMDD.
         03  WB-COMPL-DATE.
             05  WB-COMPL-CENTURY      PIC 9(02)  VALUE ZEROS.   40
             05  WB-COMPL-YEAR         PIC 9(02)  VALUE ZEROS.   42
             05  WB-COMPL-MONTH        PIC 9(02)  VALUE ZEROS.   44
             05  WB-COMPL-DAY          PIC 9(02)  VALUE ZEROS.   46
*==> 9(6) TO 9(8).
         03  WB-DRL-COMPL-DATE         PIC 9(08)  VALUE ZEROS.   48
         03  WB-PLUGB-DEPTH1           PIC 9(05)  VALUE ZEROS.   56
         03  WB-PLUGB-DEPTH2           PIC 9(05)  VALUE ZEROS.   61
         03  WB-WATER-INJECTION-NBR    PIC X(06)  VALUE SPACES.  66
         03  WB-SALT-WTR-NBR           PIC 9(05)  VALUE ZEROS.   72
         03  FILLER                    PIC X(08)  VALUE SPACES.  77
         03  WB-REMARKS-IND            PIC X(01)  VALUE 'N'.     85
```

```
            88  WB-REMARKS-ON-FILE                VALUE 'Y'.
            88  WB-REMARKS-DATA-NOT-ON-FILE       VALUE 'N'.
        03  WB-ELEVATION               PIC 9(04)  VALUE ZEROS.       86
        03  WB-ELEVATION-CODE          PIC X(02)  VALUE SPACES.      90
            88  WB-GROUND-LEVEL                   VALUE 'GL'.
            88  WB-DERRICK-FLOOR                  VALUE 'DF'.
            88  WB-KELLY-BUSHING                  VALUE 'KB'.
            88  WB-ROTARY-TABLE                   VALUE 'RT'.
            88  WB-GROUND                         VALUE 'GR'.
        03  WB-LOG-FILE-RBA            PIC 9(08)  VALUE ZEROS.       92
        03  WB-DOCKET-NBR              PIC X(10)  VALUE SPACES.      100
*==* X(18) TO X(08).
        03  FILLER                     PIC X(08)  VALUE SPACES.      110
*==* EXPANDED ZERO BYTES.
    02  RRC-TAPE-FILLER                                PIC X(0130). 118
```

```
*****************************************************************
*                    WELL  BORE                                 *
*   WELL BORE TECHNICAL DATA  FORMS FILE DATE                   *
*****************************************************************
WELL-BORE-FILE-DATE.

WB-FILE-KEY
  DERIVED BY SUBTRACTING FILE DATE (IN CCYYMMDD FORMAT) FROM 99999999.

------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 03    Well Bore Technical Data Forms File


WB-FILE-DATE
    DATE THE COMPLETION IS BUILT.  FORMAT:  CCYYMMDD

WB-EXCEPT-RULE-11
    INDICATES WHETHER OR NOT OPERATOR WAS GRANTED AN EXCEPTION TO SWR 11.
       WB-EXCEPT-11-FILED         VALUE 'Y'.
       WB-EXCEPT-11-NOT-FILED     VALUE 'N'.

WB-CEMENT-AFFIDAVIT            VALUE 'N'
    INDICATES WHETHER OR NOT A CEMENTING REPORT (FORM W-15) WAS FILED.
       WB-CMT-AFF-NOT-FILED       VALUE 'N'.
       WB-CMT-AFF-FILED           VALUE 'Y'.
       WB-CMT-AFF-NOT-FOUND       VALUE 'B'.
       WB-CMT-AFF-AVAIL           VALUE 'A'.
       WB-CMT-AFF-NOT-REQ         VALUE 'R'.

WB-G-5                         VALUE 'N'
    INDICATES WHETHER OR NOT GAS WELL CLASSIFICATION REPORT WAS FILED.
       WB-G-5-FILED               VALUE 'Y'.
       WB-G-5-NOT-FILED           VALUE 'N'.

WB-W-12                        VALUE 'N'
    INDICATES WHETHER OR NOT INCLINATION REPORT WAS FILED.
       WB-W-12-FILED              VALUE 'Y'.
       WB-W-12-NOT-FILED          VALUE 'N'.
```

```
WB-DIR-SURVEY                   VALUE 'N'
    INDICATES WHETHER OR NOT A DIRECTIONAL SURVEY HAS BEEN FILED.
       WB-DIR-SURVEY-FILED        VALUE 'Y'.
       WB-DIR-SURVEY-NOT-FILED    VALUE 'N'.

WB-W2-G1-DATE
    DATE FORM WAS RECEIVED BY DISTRICT OFFICE.  FORMAT:  CCYYMMDD
WB-COMPL-DATE.
    DATE IN SHICH THE WELL WAS COMPLETED.  FORMAT:  CCYYMMDD

WB-DRL-COMPL-DATE
    DATE THAT DRILLING WAS COMPLETED.  FORMAT:  CCYYMMDD

WB-PLUGB-DEPTH1
    DEPTH TO WHICH WELL BORE WAS PLUGGED BACK.

WB-PLUGB-DEPTH2
    DEPTH TO WHICH WELL BORE WAS PLUGGED BACK.

WB-WATER-INJECTION-NBR
    PERMIT NUMBER ISSUED BY UIC TO WATER INJECTION WELL.

WB-SALT-WTR-NBR
    PERMIT NUMBER ISSUED BY UIC TO SALT WATER DISPOSAL WELL.

WB-DOCKET-NBR
    ANY DOCKET NUMBER ASSIGNED TO WELL REQUIRING A HEARING.

WB-REMARKS-IND
    INDICATES WHETHER OR NOT THERE ARE REMARKS ON FILE FOR A PARTICULAR
    WELL.
       WB-REMARKS-ON-FILE          VALUE 'Y'.
       WB-REMARKS-DATA-NOT-ON-FILE VALUE 'N'.

WB-ELEVATION
    MEASUREMENT OF FEET ABOVE MEAN SEA LEVEL OF WELL.

WB-ELEVATION-CODE
    POINT FROM WHICH ELEVATION READING WAS MEASURED.
    WB-GROUND-LEVEL             VALUE 'GL'.
    WB-DERRICK-FLOOR            VALUE 'DF'.
    WB-KELLY-BUSHING            VALUE 'KB'.
    WB-ROTARY-TABLE             VALUE 'RT'.
    WB-GROUND                   VALUE 'GR'.

WB-LOG-FILE-RBA
    POINTS TO WELL BORE LOG RECORD IN A FILE SEPARATE FROM THE DATABASE.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                    REMARKS  SEGMENT                           *
*                                                               *
* SEGMENT NAME:  WBRMKS                    (RECURRING)          *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|         *
*---------------|--------------------------|----------|         *
* SEARCH FIELD  | WB-RMK-LNE-CNT           |  WBREMKEY|         *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-COMPL-RMKS-SEG.
         03  WB-RMK-LNE-CNT          VALUE ZEROS      PIC 9(03).  3
         03  WB-RMK-TYPE-CODE        VALUE SPACE      PIC X(01).  6
         03  WB-REMARKS              VALUE SPACES     PIC X(70).  7
     02  RRC-TAPE-FILLER                            PIC X(0171). 77
```

```
****************************************************************
*                      WELL  BORE                              *
*                   REMARKS  SEGMENT                           *
****************************************************************
```

WELL-BORE-COMPL-RMKS-SEG.

WB-RMK-LNE-CNT
UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E. SEGMENT) OF REMARKS UNDER A DATE SEGMENT.

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database tape's record ID. Contained in the first two bytes of each record, this record ID tells what type of information will be found in each record.

RRC ID Value	Tape Record Description
04	Well Bore Remarks

WB-RMK-TYPE-CODE
NOT IN USE AS OF DECEMBER, 1983.

WB-REMARKS
ADDITIONAL COMPLETION DATA WHICH MAY BE EITHER FREE- FORM OR FORMATTED.

```
*****************************************************************
*                     WELL  BORE                                *
*                COMPLETION  TUBING   SEGMENT                   *
*                                                               *
* SEGMENT NAME:  WBTUBE                    (RECURRING)          *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|         *
*---------------|--------------------------|----------|         *
* SEARCH FIELD  | WB-SEGMENT-COUNTER       |WBSEGCNT  |         *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-TUBING-SEG.
         03  WB-SEGMENT-COUNTER          VALUE ZEROS   PIC 9(03).    3
         03  WB-TUBING-SIZE.
             05  WB-TUBING-INCHES        VALUE ZEROS   PIC 9(02).    6
             05  WB-TUBING-FRACTION.
                 10  WB-FR-NUMERATOR     VALUE ZEROS   PIC 9(02).    8
                 10  WB-FR-DENOMINATOR   VALUE ZEROS   PIC 9(02).    10
         03  WB-DEPTH-SET                VALUE ZEROS   PIC 9(05).    12
         03  WB-PACKER-SET               VALUE ZEROS   PIC 9(05).    17
         03  FILLER                      VALUE ZEROS   PIC 9(10).    22
         03  FILLER                      VALUE ZEROS   PIC X(16).    32
     02  RRC-TAPE-FILLER                               PIC X(0200). 48
```

```
*****************************************************************
*                      WELL  BORE                               *
*                 COMPLETION TUBING SEGMENT                     *
*****************************************************************
WELL-BORE-TUBING-SEG.

WB-SEGMENT-COUNTER
         UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E.  SEGMENT) OF
         TUBING DATA HANGING UNDER DATE SEGMENT.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 05    Well Bore Tubing



WB-TUBING-SIZE.
   WB-TUBING-INCHES
         SIZE OF TUBING IN INCHES.
   WB-TUBING-FRACTION.
      WB-FR-NUMERATOR
           SIZE OF TUBING IN FRACTION OF INCHES (NUMERATOR).
      WB-FR-DENOMINATOR
           SIZE OF TUBING IN FRACTION OF INCHES (DENOMINATOR).

WB-DEPTH-SET
         DEPTH AT WHICH TUBING IS SET.

WB-PACKER-SET
         DEPTH AT WHICH THE SEALING DEVICE, USED TO BLOCK FLOW OF FLUIDS
         THROUGH ANNULAR SPACE BETWEEN TUBING AND WALL OF WELLBORE, IS
         SET.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                    CASING SEGMENT                             *
*                                                               *
* SEGMENT NAME:  WBCASE                    (RECURRING)          *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|         *
*---------------|--------------------------|----------|         *
* SEARCH FIELD  | WB-CASING-COUNT          |WBCASKEY  |         *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-CASING-SEG.
         03  WB-CASING-COUNT             VALUE ZEROS  PIC 9(03).    3
         03  WB-CASING-SIZE-DATA.
             05  WB-CAS-INCH             VALUE ZEROS  PIC 9(02).    6
             05  WB-CAS-FRACTION.
                 10  WB-CAS-FRAC-NUM     VALUE ZEROS  PIC 9(02).    8
                 10  WB-CAS-FRAC-DENOM   VALUE ZEROS  PIC 9(02).    10
         03  WB-CAS-WT-TABLE             VALUE ZEROS  PIC 9(08).    12
         03  WB-CASING-WEIGHT-LBS-FT REDEFINES WB-CAS-WT-TABLE
                           OCCURS 2 TIMES.
             05  WB-WGT-WHOLE                         PIC 9(03).
             05  WB-WGT-TENTHS                        PIC 9(01).
         03  WB-CASING-DEPTH-SET         VALUE ZEROS  PIC 9(05).    20
         03  WB-MLTI-STG-TOOL-DPTH       VALUE ZEROS  PIC 9(05).    25
         03  WB-AMOUNT-OF-CEMENT         VALUE ZEROS  PIC 9(05).    30
         03  WB-CEMENT-MEASUREMENT       VALUE 'S'    PIC X(01).    35
             88  WB-SACKS                VALUE 'S'.
             88  WB-CUBIC-YARDS          VALUE 'Y'.
             88  WB-CUBIC-FEET           VALUE 'F'.
         03  WB-CASING-HOLE-SIZE
             05  WB-HOLE-INCH            VALUE ZEROS  PIC 9(02).    36
             05  WB-HOLE-FRACTION
                 10  WB-HOLE-FRAC-NUM    VALUE ZEROS  PIC 9(02).    38
                 10  WB-HOLE-FRAC-DENOM  VALUE ZEROS  PIC 9(02).    40
         03  FILLER                      VALUE SPACE  PIC X(01).    42
         03  WB-TOP-OF-CEMENT-CASING     VALUE SPACES PIC X(07).    43
         03  WB-AMOUNT-CASING-LEFT       VALUE ZEROS  PIC 9(05).    50
         03  FILLER                      VALUE ZEROS  PIC X(50).    55
     02  RRC-TAPE-FILLER                               PIC X(0143). 105
```

```
  ****************************************************************
  *                      WELL  BORE                              *
  *                    CASING SEGMENT                            *
  ****************************************************************
  WELL-BORE-CASING-SEG.
  WB-CASING-COUNT
          UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E.  SEGMENT) OF
          CASING UNDER A DATE SEGMENT.
  ------------------
  RRC-TAPE-RECORD-ID
  ------------------
  This two-digit number indicates the Railroad Commission (RRC) well
  database tape's record ID. Contained in the first two bytes of
  each record, this record ID tells what type of information will be
  found in each record.

  RRC ID
  Value     Tape Record Description
   06    Well Bore Casing


WB-CASING-SIZE-DATA.
   WB-CAS-INCH
          INDICATES SIZE OF CASING IN INCHES.

WB-CAS-FRACTION.
   WB-CAS-FRAC-NUM
          INDICATES SIZE OF CASING IN FRACTION OF INCHES (NUMERATOR).
   WB-CAS-FRAC-DENOM
          INDICATES SIZE OF CASING IN FRACTION OF INCHES (DENOMINATOR).

WB-CAS-WT-TABLE

WB-CASING-WEIGHT-LBS-FT REDEFINES WB-CAS-WT-TABLE
                           OCCURS 2 TIMES.
   WB-WGT-WHOLE
          INDICATES WEIGHT OF CASING IN POUNDS PER FEET.
   WB-WGT-TENTHS
          INDICATES WEIGHT OF CASING IN TENTHS OF A POUND PER FEET

WB-CASING-DEPTH-SET
          INDICATES DEPTH AT WHICH CASING IS SET.

WB-MLTI-STG-TOOL-DPTH
          DEPTH AT WHICH THE DEVICE USED TO RE-CIRCULATE CEMENT OUTSIDE OF
          CASING IS SET.

WB-AMOUNT-OF-CEMENT
          INDICATES THE QUANTITY OF CEMENT USED TO SECURE CASING.

WB-CEMENT-MEASUREMENT
   WB-SACKS                  VALUE 'S'.
          INDICATES AMOUNT OF CEMENT MEASURED IN SACKS.
   WB-CUBIC-YARDS            VALUE 'Y'.
```

```
          INDICATES AMOUNT OF CEMENT MEASURED IN YARDS.
   WB-CUBIC-FEET             VALUE 'F'.
          INDICATES AMOUNT OF CEMENT MEASURED IN FEET.

WB-CASING-HOLE-SIZE.
   WB-HOLE-INCH
          INDICATES SIZE OF CASING HOLE IN INCHES.

WB-HOLE-FRACTION.
   WB-HOLE-FRAC-NUM
          INDICATES SIZE OF CASING HOLE IN FRACTION OF INCHES (NUMERATOR).
   WB-HOLE-FRAC-DENOM
          INDICATES SIZE OF CASING HOLE IN FRACTION OF INCHES (DENOMINATOR).

WB-TOP-OF-CEMENT-CASING
          MINIMUM DEPTH UP TO WHICH CEMENT WAS CIRCULATED.

WB-AMOUNT-CASING-LEFT
          TOTAL NUMBER OF FEET OF CASING LEFT IN WELL WHEN PLUGGED.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                    PERF SEGMENT                               *
*                                                               *
* SEGMENT NAME:  WBPERF                    (RECURRING)          *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|         *
*---------------|--------------------------|----------|         *
* SEARCH FIELD  | WB-PERF-COUNT            |WBPRFKEY  |         *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-PERF-SEG.
         03  WB-PERF-COUNT           VALUE ZEROS     PIC 9(03).  3
         03  WB-FROM-PERF            VALUE ZEROS     PIC 9(05).  6
         03  WB-TO-PERF              VALUE ZEROS     PIC 9(05).  11
         03  WB-OPEN-HOLE-CODE       VALUE SPACES    PIC X(02).  16
             88  WB-OPEN-HOLE        VALUE 'OH'.
         03  FILLER                  VALUE SPACES    PIC X(10).  18
     02  RRC-TAPE-FILLER                               PIC X(0220). 28
```

```
*****************************************************************
*                      WELL  BORE                               *
*                     PERF SEGMENT                              *
*****************************************************************
WELL-BORE-PERF-SEG.

WB-PERF-COUNT
        UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E.  SEGMENT) OF
        PERFS UNDER A DATE SEGMENT.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 07    Well Bore Perforations


WB-FROM-PERF
          INDICATES DEPTH AT TOP OF PERFORATED INTERVAL.

WB-TO-PERF
          INDICATES DEPTH AT BOTTOM OF PERFORATED INTERVAL.

WB-OPEN-HOLE-CODE
          INDICATES THAT WELL IS PRDUCING FROM UNCASED HOLE BELOW PRODUCTION
          CASING.
   WB-OPEN-HOLE             VALUE 'OH'.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                    LINER SEGMENT                              *
*                                                               *
* SEGMENT NAME:  WBLINE                    (RECURRING)          *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|         *
*---------------|--------------------------|----------|         *
* SEARCH FIELD  | WB-LINE-COUNT            |WBLINKEY  |         *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-LINER-SEG.
         03  WB-LINE-COUNT           VALUE ZEROS     PIC 9(03).    3
         03  WB-LINER-SIZE-DATA.
             05  WB-LIN-INCH         VALUE ZEROS     PIC 9(02).    6
             05  WB-LIN-FRACTION.
                 10  WB-LIN-FRAC-NUM     VALUE ZEROS     PIC 9(02). 8
                 10  WB-LIN-FRAC-DENOM   VALUE ZEROS     PIC 9(02). 10
         03  WB-SACKS-OF-CEMENT      VALUE ZEROS     PIC 9(05).    12
         03  WB-TOP-OF-LINER         VALUE ZEROS     PIC 9(05).    17
         03  WB-BOTTOM-OF-LINER      VALUE ZEROS     PIC 9(05).    22
         03  FILLER                  VALUE ZEROS     PIC X(20).    27
     02  RRC-TAPE-FILLER                               PIC X(0201). 47
```

```
*****************************************************************
*                      WELL  BORE                               *
*                     LINER SEGMENT                             *
*****************************************************************
WELL-BORE-LINER-SEG.

WB-LINE-COUNT
       UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E.  SEGMENT) OF
       LINER DATA HANGING UNDER DATE SEGMENT.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 08    Well Bore Lining


WB-LINER-SIZE-DATA.
   WB-LIN-INCH
         INDICATES SIZE OF LINER IN INCHES.
   WB-LIN-FRACTION.
      WB-LIN-FRAC-NUM
         INDICATES SIZE OF LINER IN FRACTION OF INCHES (NUMERATOR).
      WB-LIN-FRAC-DENOM
         INDICATES SIZE OF LINER IN FRACTION OF INCHES (DENOMINATOR).

WB-SACKS-OF-CEMENT
         INDICATES NUMBER OF SACKS OF CEMENT USED IN COMPLETION LINER.

WB-TOP-OF-LINER
         INDICATES DEPTH OF TOP OF LINER.

WB-BOTTOM-OF-LINER
         INDICATES DEPTH OF BOTTOM OF LINER.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                FORMATION  DATA  SEGMENT                       *
*                                                               *
* SEGMENT NAME:  WBFORM                   (RECURRING)           *
*                                                               *
* FUNCTION      | SOURCE                  |  SSA NAME|          *
*---------------|-------------------------|----------|          *
* SEARCH FIELD  | WB-FORMATION-CNTR       |  WBFRMKEY|          *
* SEARCH FIELD  | WB-FORMATION-NAME       |  WBFORMNM|          *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-FORMATION-DATA-SEG.
         03  WB-FORMATION-CNTR      VALUE  ZEROS     PIC 9(03).  3
         03  WB-FORMATION-NAME      VALUE  SPACES    PIC X(32).  6
         03  WB-FORMATION-DEPTH     VALUE  ZEROS     PIC 9(05).  38
         03  FILLER                 VALUE  ZEROS     PIC X(05).  43
     02  RRC-TAPE-FILLER                              PIC X(0200). 48
```

```
*****************************************************************
*                      WELL  BORE                               *
*                 FORMATION  DATA  SEGMENT                      *
*****************************************************************
WELL-FORMATION-DATA-SEG.

WB-FORMATION-CNTR
          UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E. SEGMENT) OF
          FORMATION DATA UNDER A DATE SEGMENT.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 09    Well Bore Formatio Data


WB-FORMATION-NAME
          NAME ASSIGNED TO ANY ROCK OR SEDIMENTARY BED SUFFICIENTLY
          DISTINCTIVE TO BE A UNIT.

WB-FORMATION-DEPTH
          DEPTH OF FORMATION IN WHICH WELL IS COMPLETED.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                   SQUEEZE  SEGMENT                            *
*                                                               *
* SEGMENT NAME:  WBSQEZE                   (RECURRING)          *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|         *
*---------------|--------------------------|----------|         *
* SEARCH FIELD  | WB-SQUEEZE-CNTR          | WBSQZKEY |         *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-SQUEEZE-DATA-SEG.
         03  WB-SQUEEZE-CNTR            VALUE ZEROS   PIC 9(03).   3
         03  WB-SQUEEZE-UPPER-DEPTH     VALUE ZEROS   PIC 9(05).   6
         03  WB-SQUEEZE-LOWER-DEPTH     VALUE ZEROS   PIC 9(05).   11
         03  WB-SQUEEZE-KIND-AMOUNT     VALUE SPACES  PIC X(50).   16
         03  FILLER                     VALUE ZEROS   PIC X(07).   66
     02  RRC-TAPE-FILLER                              PIC X(0175). 73
```

```
*****************************************************************
*                      WELL  BORE                               *
*                   SQUEEZE  SEGMENT                            *
*****************************************************************
```

WELL-SQUEEZE-DATA-SEG.

WB-SQUEEZE-CNTR
UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E. SEGMENT) OF SQUEEZE DATA UNDER A DATE SEGMENT.

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database tape's record ID. Contained in the first two bytes of each record, this record ID tells what type of information will be found in each record.

RRC ID Value	Tape Record Description
10	Well Bore Squeeze data

WB-SQUEEZE-UPPER-DEPTH
DEPTH OF UPPER REGION OF WELL INTO WHICH CEMENT IS PUMPED.

WB-SQUEEZE-LOWER-DEPTH
DEPTH OF LOWER REGION OF WELL INTO WHICH CEMENT IS PUMPED.

WB-SQUEEZE-KIND-AMOUNT
INDICATES THE TYPE AND QUANTITY OF MATERIALS USED IN CEMENTING.

```
*****************************************************************
*                     WELL  BORE                                *
*         USABLE  QUALITY WATER PROTECTION                      *
*                                                  (30 BYTES)   *
* SEGMENT NAME:  WBFRESH                  (RECURRING)           *
*                                                               *
* FUNCTION      | SOURCE                  |  SSA NAME|  OPTION  *
*---------------|-------------------------|----------|----------*
* SEGMENT KEY     WB-FRESH-WATER-CNTR       WBH2OKEY    UNIQUE   *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-TWDB-SEG.
         03  WB-FRESH-WATER-CNTR        VALUE ZEROS   PIC 9(03).    3
*==> 9(6) TO 9(8).
         03  WB-TWDB-DATE               VALUE ZEROS   PIC 9(08).    6
         03  WB-SURFACE-CASING-DETER-CODE             PIC X(01)     14
                                        VALUE  'N'.
             88  WB-FIELD-RULE-CODE     VALUE  'Y'.
         03  WB-UQWP-DATA.
             05  WB-UQWP-FROM           VALUE ZEROS   PIC 9(04).    15
             05  WB-UQWP-TO             VALUE ZEROS   PIC 9(04).    19
*==* X(12) TO X(10).
         03  FILLER                    VALUE SPACES   PIC X(10).    23
*==* EXPANDED ZERO BYTES.
     02  RRC-TAPE-FILLER                               PIC X(0215). 33
```

```
*****************************************************************
*                      WELL  BORE                               *
*          USABLE  QUALITY WATER PROTECTION                     *
*****************************************************************
WELL-BORE-TWDB-SEG.

WB-FRESH-WATER-CNTR

WB-TWDB-DATE
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 11    Well Bore Usable Water Quality Protection

    DATE OF LETTER FROM TEXAS DEPARTMENT OF WATER RESOURCES WHICH
    INDICATES DEPTHS AT WHICH WATER NEEDS TO BE PROTECTED.  FORMAT:
    CCYYMMDD

WB-SURFACE-CASING-DETER-CODE
    INDICATES THAT FIELD RULES ARE IN EFFECT.
   WB-FIELD-RULE-CODE     VALUE  'Y'.

WB-UQWP-DATA.
   WB-UQWP-FROM
      DEPTH AT TOP OF INTERVAL WHERE USABLE QUALITY WATER IS FOUND
   WB-UQWP-TO
      DEPTH OF BOTTOM OF INTERVAL IN SAME ZONE WHERE USABLE QUALITY WATER IS
      FOUND.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                OLD LOCATION SEGMENT                           *
*                                                               *
* SEGMENT NAME:  WBOLDLOC                (NON-RECURRING)        *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME| OPTION   *
*---------------|--------------------------|----------|          *
*               |                          |          |          *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-OLD-LOCATION-SEG.
         03  WB-LEASE-NAME              VALUE SPACES    PIC X(32).    3
         03  WB-SEC-BLK-SURVEY-LOC      VALUE SPACES    PIC X(52).    35
         03  WB-WELL-LOC-MILES          VALUE ZEROS     PIC 9(04).    87
         03  WB-WELL-LOC-DIRECTION      VALUE SPACES    PIC X(06).    91
         03  WB-WELL-LOC-NEAREST-TOWN   VALUE SPACES    PIC X(13).    97
         03  FILLER                     VALUE SPACES    PIC X(28).    110
         03  WB-DIST-FROM-SURVEY-LINES  VALUE SPACES    PIC X(28).    138
         03  WB-DIST-DIRECT-NEAR-WELL   VALUE SPACES    PIC X(28).    166
         03  FILLER                    VALUE  ZEROS     PIC X(28).    194
     02  RRC-TAPE-FILLER                              PIC X(0026). 222
```

```
*****************************************************************
*                      WELL  BORE                               *
*                 OLD LOCATION SEGMENT                          *
*****************************************************************
WELL-BORE-OLD-LOCATION-SEG.

WB-LEASE-NAME
      NAME OF LEASE IN WHICH WELL IS LOCATED.

------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 12    Well Bore Old Location Data

WB-SEC-BLK-SURVEY-LOC
        NAME OF SECTION, BLOCK, AND SURVEY IN WHICH WELL IS LOCATED.

WB-WELL-LOC-MILES
        NUMBER OF MILES FROM NEAREST TOWN TO WELL.

WB-WELL-LOC-DIRECTION
        DIRECTION FROM WHICH MEASUREMENT FROM TOWN WAS TAKEN.

WB-WELL-LOC-NEAREST-TOWN
        NAME OF TOWN NEAREST WELL.

WB-DIST-FROM-SURVEY-LINES
        DISTANCE FROM PARTICULAR SURVEY LINES FROM WHICH MEASUREMENTS WERE
        TAKEN.

WB-DIST-DIRECT-NEAR-WELL
        DISTANCE FROM AND DIRECTION OF NEAREST WELL.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                NEW  LOCATION SEGMENT                          *
*                                                               *
* SEGMENT NAME:  WBNEWLOC                 (NON-RECURRING)       *
*                                                               *
* FUNCTION      | SOURCE                  |  SSA NAME| OPTION   *
*---------------|-------------------------|----------|--------- *
* SEARCH FIELD  | WB-NEW-LOC-KEY          |WBNLOCKY  |          *
*****************************************************************
 01  WELL-BORE-NEW-LOC-SEG.                                        POSITION
   02  WELL-BORE-NEW-LOC-DATA.
     03  WB-NEW-LOC-KEY.
         05  WB-LOC-COUNTY          VALUE ZEROS     PIC 9(03).    1
         05  WB-ABSTRACT            VALUE SPACES    PIC X(06).    4
     03  WB-SURVEY                  VALUE SPACES    PIC X(55).    10
     03  WB-BLOCK-NUMBER            VALUE SPACES    PIC X(10).    65
     03  WB-SECTION                 VALUE SPACES    PIC X(08).    75
     03  WB-ALT-SECTION             VALUE SPACES    PIC X(04).    83
     03  WB-ALT-ABSTRACT            VALUE SPACES    PIC X(06).    87
     03  WB-DISTANCE-FROM-SURVEY-LINES.
         05 WB-FEET-FROM-SUR-SECT-1 VALUE ZEROS     PIC 9(06).    93
         05 WB-DIREC-FROM-SUR-SECT-1 VALUE SPACES   PIC X(13).    99
         05 WB-FEET-FROM-SUR-SECT-2 VALUE ZEROS     PIC 9(06).    112
         05 WB-DIREC-FROM-SUR-SECT-2 VALUE SPACES   PIC X(13).    118
   02  WB-OTHER-NEW-LOC-DATA.
     03  WB-WGS84-LATITUDE          VALUE ZEROS   PIC S9(3)V9(7). 131
     03  WB-WGS84-LONGITUDE         VALUE ZEROS   PIC S9(3)V9(7). 141
     03  FILLER                     VALUE ZEROS   PIC X(05).      151
     03  WB-PLANE-ZONE              VALUE ZEROS     PIC 9(02).    156
     03  WB-PLANE-COORDINATE-EAST   VALUE ZEROS  PIC S9(8)V9(2).  158
     03  WB-PLANE-EAST-RE REDEFINES WB-PLANE-COORDINATE-EAST
                                                   PIC 9(10).
     03  WB-PLANE-COORDINATE-NORTH  VALUE ZEROS  PIC S9(8)V9(2).  168
     03  WB-PLANE-NORTH-RE REDEFINES WB-PLANE-COORDINATE-NORTH
                                                   PIC 9(10).
   02  WB-VERIFICATION-FLAG        VALUE 'N'       PIC X(1).     176
       88  NEW-LOCATION-VERIFIED                   VALUE 'Y'.
       88  NEW-LOCATION-NOT-VERIFIED               VALUE 'N'.
       88  NEW-LOCATION-VERIFIED-CHANGE            VALUE 'C'.
   02  FILLER                      VALUE ZEROS     PIC X(01).    177
```

```
*****************************************************************
*                      WELL  BORE                               *
*                  NEW  LOCATION SEGMENT                        *
*****************************************************************
*****************************************************************
*
* DISCLAIMER
*
* THE DIGITAL MAPPING DATA DESCRIBED IN THIS MANUAL WERE GENERATED
* BY THE GEOGRAPHIC INFORMATION SYSTEM OF THE RAILROAD COMMISSION
* OF TEXAS AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY.
*
* BASE MAP INFORMATION WAS OBTAINED DIRECTLY FROM U.S. GEOLOGICAL
* 7.5 MINUTE QUADRANGLE MAPS.  PATENT SURVEY LINES FROM TEXAS
* GENERAL LAND OFFICE MAPS WERE INTERPRETED AS ACCURATELY AS
* POSSIBLE OVER THE U.S. GEOLOGICAL SURVEY BASE.  OIL AND GAS WELL
* INFORMATION WERE OBTAINED FROM PUBLIC RECORDS OF THE RAILROAD
* COMMISSION.  THE MAPPING SYSTEM FROM WHICH THIS DATA WERE
* EXTRACTED IS CONTINUALLY BEING UPDATED AND REFINED.  THESE DATA
* ARE INTENDED SOLELY FOR THE INTERNAL USE OF THE RAILROAD COMM-
* ISSION, WHICH MAKES NO CLAIM  AS TO ITS ACCURACY OR COMPLETENESS.
* USERS ARE RESPONSIBLE FOR CHECKING THE ACCURACY, COMPLETENESS,
* CURRENCY, AND/OR SUITABILITYOF THIS DATA.
*
*****************************************************************


WELL-BORE-NEW-LOC-SEG.

  WELL-BORE-NEW-LOC-DATA.

     WB-NEW-LOC-KEY.
        WB-LOC-COUNTY
               INDICATES COUNTY IN WHICH WELL IS LOCATED.
        WB-ABSTRACT
               NUMBER ASSIGNED TO SUMMARY STATEMENT OF FACTS ON WHICH A
               PERSON'S LAND TITLE RESTS.

     WB-SURVEY
               NAME ASSOCIATED WITH THE BOUNDARIES TO A PORTION OF LAND.

     WB-BLOCK-NUMBER
               IDENTIFYING NUMBER ASSOCIATED WITH A SQUARE PORTION OF LAND.

     WB-SECTION
               NAME OF SUBDIVISION OF LAND THAT IS ONE MILE SQUARE, CONTAINING
               APPROXIMATELY 640 ACRES.

     WB-ALT-SECTION
               WHEN MORE THAN ONE SECTION IS REPORTED.

     WB-ALT-ABSTRACT
               WHEN MORE THAN ONE ABSTRACT IS REPORTED.

     WB-DISTANCE-FROM-SURVEY-LINES.
```

WB-FEET-FROM-SUR-SECT-1
DISTANCE OF WELL FROM DESIGNATED SURVEY OR SECTION L INE.

WB-DIREC-FROM-SUR-SECT-1
DIRECTION FROM WHICH MEASUREMENTS FROM DESIGNATED SU RVEY OR SECTION LINE WERE TAKEN.

WB-FEET-FROM-SUR-SECT-2
DISTANCE OF WELL FROM SURVEY OR SECTION LINE INTERSECTING LINE DESIGNATED ABOVE.

WB-DIREC-FROM-SUR-SECT-2
DIRECTION FROM WHICH MEASUREMENTS FROM DESIGNATED SURVEY OR SECTION LINE INTERSECTING LINE DESIGNATED ABOVE WERE TAKEN.

WB-OTHER-NEW-LOC-DATA.

WB-WGS84-LATITUDE
LOCATION OF WELL ACCORDING TO SYSTEM OF SPHERICAL COORDINATES OF THE EARTH WHICH RUN EAST AND WEST.

WB-WGS84-LONGITUDE
LOCATION OF WELL ACCORDING TO SYSTEM OF SPHERICAL COORDINATES OF THE EARTH WHICH RUN NORTH AND SOUTH.

WB-PLANE-ZONE
THE NAME DESIGNATED BY CARTESIAN COORDINATE SYSTEM FOR THE AREA WHERE WELL IS LOCATED.

WB-PLANE-COORDINATE-EAST
LOCATION OF WELL ACCORDING TO EAST COORDINATE OF CARTESIAN COORDINATE SYSTEM.

WB-PLANE-COORDINATE-NORTH
LOCATION OF WELL ACCORDING TO NORTH COORDINATE OF CARTESIAN COORDINATE SYSTEM.

WB-VERIFICATION-FLAG VALUE 'N'.
NEW-LOCATION-VERIFIED VALUE 'Y'.
NEW-LOCATION-NOT-VERIFIED VALUE 'N'.
NEW-LOCATION-VERIFIED-CHANGE VALUE 'C'.
FLAG WHICH INDICATES WHETHER THE DATA HAS BEEN VERIFIED BY THE RRC. 'N' INDICATES IT HAS NOT BEEN VERIFIED, 'Y' INDICATES IT HAS BEEN VERIFIED, AND 'C' INDICATES DATA THAT HAS BEEN VERIFIED AND WILL BE CHANGED. THE CODE 'C' PROVIDES A MEANS BY WHICH DATA THAT IS PROTECTED BY ITS VERIFIED STATUS (INDICATED BY THE VALUE 'Y') CAN BE CHANGED.

```
*****************************************************************
*                     WELL  BORE                                *
*                PLUGGING  DATA  SEGMENT                        *
*                                                               *
* SEGMENT NAME:  WBPLUG                    (RECURRING)          *
* COPYBOOK NAME: WBW700I1                                       *
*                                                               *
* FUNCTION      | SOURCE                    | SSA NAME|  OPTION  *
*---------------|---------------------------|---------|----------*
* SEGMENT KEY   | WB-DATE-W3-FILED          | WBFILEDT| NON-UNIQ *
* SEARCH FIELDS | WB-DATE-WELL-BORE-PLUGGED| WBPLUGDT|          *
*                                                 (245 BYTES) *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-PLUGGING-SEG.
*==> 9(6) TO 9(8).
         03  WB-DATE-W3-FILED             VALUE ZEROS  PIC 9(08).     3
*==> 9(6) TO 9(8).
         03  WB-DATE-WELL-BORE-PLUGGED    VALUE ZEROS  PIC 9(08).     11
         03  WB-PLUG-TOTAL-DEPTH          VALUE ZEROS  PIC 9(05).     19
         03  WB-PLUG-CEMENT-COMP          VALUE SPACES PIC X(32).     24
         03  WB-PLUG-MUD-FILLED           VALUE SPACE  PIC X(01).     56
         03  WB-PLUG-MUD-DATA.
             05  WB-PLUG-MUD-APPLIED      VALUE SPACES PIC X(12).     57
             05  WB-PLUG-MUD-WEIGHT       VALUE ZEROS  PIC 9(03).     69
             05  FILLER                   VALUE ZEROS  PIC X(04).     72
*==> 9(6) TO 9(8).
         03  WB-PLUG-DRIL-PERM-DATE       VALUE ZEROS  PIC 9(08).     76
         03  WB-PLUG-DRIL-PERM-NO         VALUE ZEROS  PIC 9(06).     84
*==> 9(6) TO 9(8).
         03  WB-PLUG-DRIL-COMP-DATE       VALUE ZEROS  PIC 9(08).     90
         03  WB-PLUG-LOG-ATTACHED         VALUE SPACE  PIC X(01).     98
         03  WB-PLUG-LOG-RELEASED-TO      VALUE SPACES PIC X(32).     99
         03  WB-PLUG-TYPE-LOG             VALUE SPACE  PIC X(01).     131
             88  TYPE-DRILLERS            VALUE 'D'.
             88  TYPE-ELECTRIC            VALUE 'E'.
             88  TYPE-RADIOACTIVITY       VALUE 'R'.
             88  TYPE-ACOUSTICAL-SONIC    VALUE 'A'.
             88  TYPE-DRIL-AND-ELEC       VALUE 'F'.
             88  TYPE-ELEC-AND-RADIO      VALUE 'G'.
             88  TYPE-RADIO-AND-ACOUS     VALUE 'H'.
             88  TYPE-DRIL-AND-RADIO      VALUE 'I'.
             88  TYPE-ELEC-AND-ACOUS      VALUE 'J'.
             88  TYPE-DRIL-AND-ACOUS      VALUE 'K'.
             88  TYPE-DRIL-ELEC-RADIO     VALUE 'L'.
             88  TYPE-ELEC-RADIO-ACOUS    VALUE 'M'.
             88  TYPE-DRIL-ELEC-ACOUS     VALUE 'N'.
             88  TYPE-DRIL-RADIO-ACOUS    VALUE 'O'.
             88  TYPE-DRIL-ELEC-RADIO-ACOUS VALUE 'P'.
         03  WB-PLUG-FRESH-WATER-DEPTH    VALUE ZEROS  PIC 9(05).     132
         03  WB-PLUG-UWQP                 VALUE ZEROS  PIC X(40).     137
         03  WB-PLUG-UWQP-RE  REDEFINES  WB-PLUG-UWQP.
                 10  WB-PLUG-FROM-UWQP  OCCURS 4 TIMES PIC 9(05).
                 10  WB-PLUG-TO-UWQP    OCCURS 4 TIMES PIC 9(05).
```

```
           03  WB-PLUG-MATERIAL-LEFT        VALUE SPACE  PIC X(01).     177
           03  WB-PLUG-OIL-KEY              VALUE SPACES.
               05  WB-PLUG-OIL-CODE                      PIC X(01).     178
               05  WB-PLUG-OIL-DIST                      PIC 9(02).     179
               05  WB-PLUG-OIL-LSE-NBR                   PIC 9(05).     181
               05  WB-PLUG-OIL-WELL-NBR                  PIC X(06).     186
           03  WB-PLUG-GAS-KEY REDEFINES WB-PLUG-OIL-KEY.
               05  WB-PLUG-GAS-CODE                      PIC X(01).
               05  WB-PLUG-GAS-RRC-ID                    PIC 9(06).
               05  WB-PLUG-GAS-FILLER                    PIC X(07).
           03  WB-PLUG-GAS-DIST           VALUE ZEROS    PIC 9(02).     192
           03  WB-PLUG-GAS-WELL-NO        VALUE SPACES   PIC X(06).     194
           03  WB-PLUG-TYPE-WELL          VALUE SPACE    PIC X(01).     200
               88  OIL-PLUG               VALUE 'O'.
               88  GAS-PLUG               VALUE 'G'.
               88  DRY-PLUG               VALUE 'D'.
               88  SERVICE-PLUG           VALUE 'S'.
           03  WB-PLUG-MULTI-COMPL-FLAG   VALUE  'N'     PIC X(01).     201
               88  WELL-WAS-MULTI-COMPLETION  VALUE 'Y'.
           03  WB-PLUG-CEM-AFF              VALUE 'N'    PIC X(01).     202
               88  WB-PLUG-CA-FILED         VALUE 'Y'.
               88  WB-PLUG-CA-NOT-FILED     VALUE 'N'.
           03  WB-PLUG-13A                  VALUE 'N'    PIC X(01).     203
               88  WB-PLUG-13A-FILED        VALUE 'Y'.
               88  WB-PLUG-13A-NOT-FILED    VALUE 'N'.
*==> X(6) TO 9(8).
           03  WB-PLUG-LOG-RELEASED-DATE    VALUE ZEROS  PIC 9(08).     204
           03  WB-PLUG-LOG-FILE-RBA         VALUE ZEROS  PIC 9(08).     212
           03  WB-STATE-FUNDED-PLUG-NUMBER  VALUE ZEROS  PIC 9(07).     220
*==* X(38) TO X(28).
*==* X(28) TO X(21).
           03  FILLER                       VALUE ZEROS  PIC X(21).     227
*==* EXPANDED ZERO BYTES.
```

```
*****************************************************************
*                      WELL  BORE                               *
*                 PLUGGING  DATA  SEGMENT                       *
*****************************************************************
WELL-BORE-PLUGGING-SEG.

WB-DATE-W3-FILED
        THE DATE STAMPED ON FORM WHEN IT IS RECEIVED IN THE RRC DISTRICT
        OFFICE.  FORMAT:  CCYYMMDD
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 14    Well Bore Plugging Data

WB-DATE-WELL-BORE-PLUGGED
          THE DATE REPORTED ON W-3 FORM BY OPERATOR.  FORMAT:  CCYYMMDD

WB-PLUG-TOTAL-DEPTH
          THE MAXIMUM DEPTH OF THE PLUGGED BORE.

WB-PLUG-CEMENT-COMP
          THE NAME OF THE CEMENTING COMPANY HIRED BY THE OPERATOR TO PLUG
          THE WELL.

WB-PLUG-MUD-FILLED
          OPERATOR INDICATES WHETHER OR NOT THE WELL WAS FILLED WITH
          MUD-LADEN FLUID.  FORMAT IS 'Y' = YES   'N' = NO

WB-PLUG-MUD-DATA.

WB-PLUG-MUD-APPLIED
          OPERATOR INDICATES THE METHOD BY WHICH THE MUD WAS APPLIED.

WB-PLUG-MUD-WEIGHT
          OPERATOR INDICATES THE WEIGHT IN POUNDS PER GALLON OF THE MUD
          APPLIED IN THE WELL.

WB-PLUG-DRIL-PERM-DATE
          THE DATE THE DRILLING PERMIT FOR THE PLUGGED WELL WAS ISSUED.
          FORMAT:  CCYYMMDD

WB-PLUG-DRIL-PERM-NO
          THE DRILLING PERMIT NUMBER OF THE PLUGGED WELL.

WB-PLUG-DRIL-COMP-DATE
          THE DATE THE WELL WAS COMPLETED, AS PREVIOUSLY REPORTED ON A
          W-2/G-1 FORM.  FORMAT:  CCYYMMDD
```

```
WB-PLUG-LOG-ATTACHED
          INDICATES WHETHER OR NOT A RECORD OF CHARACTERISTICS OF DOWNHOLE
          FORMATIONS WAS FILED WITH THE W-3 REPORT.  FORMAT IS 'Y' = YES
          'N' = NO

WB-PLUG-LOG-RELEASED-TO
          INDICATES COMPANY TO WHOM COPY OF LOG WAS RELEASED.

WB-PLUG-TYPE-LOG
          THE TYPE OF LOG (IF ATTACHED TO THE W-3 REPORT).
          'D' = DRILLERS
          'E' = ELECTRIC
          'R' = RADIOACTIVITY
          'A' = ACOUSITICAL-SONIC

WB-PLUG-FRESH-WATER-DEPTH
          THE MAXIMUM DEPTH OF USABLE WATER IN THE BORE.

WB-PLUG-UWQP-RE.
   WB-PLUG-FROM-UWQP  OCCURS 4 TIMES
             THE DEPTH OF THE TOP OF USABLE WATER ZONE.
   WB-PLUG-TO-UWQP    OCCURS 4 TIMES
             THE DEPTH OF THE BOTTOM OF USABLE WATER ZONE.

WB-PLUG-MATERIAL-LEFT
          OPERATOR INDICATES WHETHER OR NOT ANY NON-DRILLABLE MATERIAL WAS
          LEFT IN HOLE.  FORMAT IS 'Y' = YES 'N' = NO

WB-PLUG-OIL-KEY
     WB-PLUG-OIL-CODE
          'O' INDICATES THAT WELL PLUGGED WAS AN OIL WELL.
     WB-PLUG-OIL-DIST
          DISTRICT PLUGGED WELL IS LOCATED IN.
     WB-PLUG-OIL-LSE-NBR
          LEASE NUMBER OF PLUGGED WELL.
     WB-PLUG-OIL-WELL-NBR
          WELL NUMBER OF PLUGGED OIL WELL.

WB-PLUG-GAS-KEY REDEFINES WB-PLUG-OIL-KEY.
     WB-PLUG-GAS-CODE
          'G' INDICATES THAT PLUGGED WELL WAS A GAS WELL.
     WB-PLUG-GAS-RRC-ID
          UNIQUE GAS WELL ID NUMBER.
     WB-PLUG-GAS-FILLER

WB-PLUG-GAS-DIST
          DISTRICT PLUGGED GAS WELL IS LOCATED IN.

WB-PLUG-GAS-WELL-NO
          WELL NUMBER OF PLUGGED GAS WELL.

WB-PLUG-TYPE-WELL
          THE TYPE OF WELL AT TIME OF PLUGGING.
          'O' = OIL
```

'G' = GAS
'D' = DRY HOLE
'S' = SERVICE

WB-PLUG-MULTI-COMPL-FLAG
OPERATOR INDICATES WHETHER OR NOT THIS WELLBORE HAS MULTIPLE COMPLETIONS. FORMAT IS 'Y' = YES 'N' = NO
WELL-WAS-MULTI-COMPLETION VALUE 'Y'.

WB-PLUG-CEM-AFF VALUE 'N'
INDICATES WHETHER OR NOT A CEMENTING REPORT (FORM W-15) WAS FILED WITH THE PLUG REPORT (FORM W-3).
WB-PLUG-CA-FILED VALUE 'Y'.
WB-PLUG-CA-NOT-FILED VALUE 'N'.

WB-PLUG-13A VALUE 'N'
INDICATES WHETHER OR NOT OPERATOR WAS GRANTED AN EXCEPTION TO SWR 13A.
WB-PLUG-13A-FILED VALUE 'Y'.
WB-PLUG-13A-NOT-FILED VALUE 'N'.

WB-PLUG-LOG-RELEASED-DATE
THE DATE ON WHICH OPERATOR RELEASED THE PLUG LOG. FORMAT: CCYYMMDD

WB-PLUG-LOG-FILE-RBA
POINTS TO WELL BORE LOG RECORD IN A FILE SEPARATE FROM THE DATABASE (FOR DRY PLUGS ONLY).
WB-STATE-FUNDED-PLUG-NUMBER
THIS 7 DIGIT NUMBER IS ASSIGNED TO EACH LEASE THAT IS PLUGGED WITH STATE FUNDS. THE FIRST TWO DIGITS ARE THE DISTRICT AND THE OTHER FIVE ARE UNIQUIE NUMBERS. THIS 7 DIGIT NUMBER IS USED TO TRACK STATE FUNDED PLUGGING IN THE PLUG DATABASE. THIS NUMBER SHOULD ALSO BE INCLUDED IN THE REMARKS SECTION OF EVERRY W-3 FILED FOR WELLS PLUGGED WITH STATE FUNDS.

```
*****************************************************************
*                     WELL  BORE                                *
*          PLUGGING  REMARKS  SEGMENT                           *
*                                                               *
* SEGMENT NAME:  WBPLRMKS                 (RECURRING)           *
*                                                               *
* FUNCTION      | SOURCE                  |  SSA NAME|          *
*---------------|-------------------------|----------|          *
* SEARCH FIELD  | WB-PLUG-RMK-LNE-CNT     |  WBPLREML|          *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-PLUG-RMKS-SEG.
         03  WB-PLUG-RMK-LNE-CNT       VALUE ZEROS    PIC 9(03).  3
         03  WB-PLUG-RMK-TYPE-CODE     VALUE SPACE    PIC X(01).  6
         03  WB-PLUG-REMARKS           VALUE SPACES   PIC X(70).  7
     02  RRC-TAPE-FILLER                             PIC X(0171). 77
```

```
*****************************************************************
*                      WELL  BORE                               *
*                PLUGGING REMARKS SEGMENT                       *
*****************************************************************
```

WELL-BORE-PLUG-RMKS-SEG.

WB-PLUG-RMK-LNE-CNT
UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E. SEGMENT) OF REMARKS UNDER A PLUGGING DATA SEGMENT.

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database tape's record ID. Contained in the first two bytes of each record, this record ID tells what type of information will be found in each record.

RRC ID Value	Tape Record Description
15	Well Bore Plugging Remarks

WB-PLUG-RMK-TYPE-CODE
NOT USED AT THIS TIME.

WB-PLUG-REMARKS
A LINE OF FREE-FORM REMARKS.

```
*****************************************************************
*                     WELL  BORE                                *
*                PLUGGING  RECORD  SEGMENT                      *
*                                                               *
* SEGMENT NAME:  WBPLREC                   (NON-RECURRING)      *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME| OPTION   *
*---------------|--------------------------|----------|--------- *
* SEARCH FIELD  | WB-PLUG-NUMBER           |WBPLUGNO  |          *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-PLUG-REC-SEG.
         03  WB-PLUG-NUMBER              VALUE ZEROS   PIC 9(03).   3
         03  WB-NBR-OF-CEMENT-SACKS      VALUE ZEROS   PIC 9(05).   6
         03  WB-MEAS-TOP-OF-PLUG         VALUE ZEROS   PIC 9(05).   11
         03  WB-BOTTOM-TUBE-PIPE-DEPTH   VALUE ZEROS   PIC 9(05).   16
         03  WB-PLUG-CALC-TOP            VALUE ZEROS   PIC 9(05).   21
         03  WB-PLUG-TYPE-CEMENT         VALUE SPACES  PIC X(06).   26
         03  FILLER                      VALUE ZEROS   PIC X(19).   32
     02  RRC-TAPE-FILLER                              PIC X(0197). 51
```

```
*****************************************************************
*                       WELL  BORE                              *
*               PLUGGING  RECORD  SEGMENT                       *
*****************************************************************
WELL-BORE-PLUG-REC-SEG.

WB-PLUG-NUMBER
 INDICATES THE NUMBER OF THE PLUG IN THE BORE.
 NOTE: UP TO EIGHT PLUGS MAY BE RECORDED ON W-3.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 16    Well Bore Plugging Record


WB-NBR-OF-CEMENT-SACKS
   NUMBER OF SACKS OF CEMENT USED TO PLUG WELL.

WB-MEAS-TOP-OF-PLUG
   MECHANICALLY-VERIFIED DEPTH TO WHICH TOP OF PLUG WAS SET.

WB-BOTTOM-TUBE-PIPE-DEPTH
   DEPTH TO WHICH BOTTOM OF PLUG WAS SET INSIDE CASING.

WB-PLUG-CALC-TOP
   ESTIMATED DEPTH TO WHICH TOP OF PLUG WAS SET (MAY BE REPORTED IN LIEU OF
   MEASURED TOP OF PLUG OR ALONG WITH TOP OF PLUG).

WB-PLUG-TYPE-CEMENT
   MATERIAL USED TO PLUG WELL.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                PLUGGING  DATA  CASING-TUBING RECORD           *
*                                                               *
* SEGMENT NAME:  WBPLCASE                 (RECURRING)           *
*                                                               *
* FUNCTION      | SOURCE                  |  SSA NAME|  OPTION  *
*---------------|-------------------------|----------|----------*
* SEARCH FIELD  | WB-PLG-CAS-COUNTER      |  WBPLCASC|          *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                  POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02).  1
     02  WELL-BORE-PLUG-CAS-SEG.
         03  WB-PLG-CAS-COUNTER          VALUE ZEROS  PIC 9(06).     3
         03  WB-PLUG-CASING-TUBING-DATA  VALUE  ZEROS.
             05  WB-PLUG-CT-RECORD.
                 07  WB-PLUG-CAS-SIZE.
                     09  WB-PLUG-CAS-INCH            PIC 9(02).     9
                     09  WB-PLUG-CAS-FRAC-NUM        PIC 9(02).     11
                     09  WB-PLUG-CAS-FRAC-DENOM      PIC 9(02).     13
                 07  WB-PLUG-CAS-LBS-FT.
                     09  WB-PLUG-WGT-WHOLE           PIC 9(03).     15
                     09  WB-PLUG-WGT-TENTHS          PIC 9(01).     18
                 07  WB-PLUG-AMT-PUT                 PIC 9(05).     19
                 07  WB-PLUG-AMT-LEFT                PIC 9(05).     24
                 07  WB-PLUG-HOLE-SIZE.
                     09  WB-PLUG-HOLE-INCH           PIC 9(02).     29
                     09  WB-PLUG-HOLE-FRAC-NUM       PIC 9(02).     31
                     09  WB-PLUG-HOLE-FRAC-DENOM     PIC 9(02).     33
         03  FILLER                      VALUE ZEROS  PIC X(20).     35
     02  RRC-TAPE-FILLER                               PIC X(0193). 55
```

```
*****************************************************************
*                            WELL BORE                          *
*                PLUGGING  DATA  CASING-TUBING RECORD           *
*****************************************************************
WELL-BORE-PLUG-CAS-SEG.

WB-PLG-CAS-COUNTER
             UNIQUE NUMBER WHICH CORRESPONDS TO EACH LINE (I.E.
             SEGMENT) OF PLUG CASING ASSOCIATED WITH W-3 FILE DATE.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 17    Well Bore Plugging Casing-Tubing

WB-PLUG-CASING-TUBING-DATA

   WB-PLUG-CT-RECORD.

      WB-PLUG-CAS-SIZE.
         WB-PLUG-CAS-INCH
               SIZE OF PLUGGED CASING IN INCHES, WHOLE NUMBER.
         WB-PLUG-CAS-FRAC-NUM
               SIZE OF PLUGGED CASING IN FRACTIONS OF INCHES,
                                                    (NUMERATOR).
         WB-PLUG-CAS-FRAC-DENOM
               SIZE OF PLUGGED CASING IN FRACTIONS OF INCHES,
                                                   (DENOMINATOR).
      WB-PLUG-CAS-LBS-FT.
         WB-PLUG-WGT-WHOLE
               POUNDS-PER-FEET WEIGHT OF PLUG CASING IN WHOLE NUMBERS.
         WB-PLUG-WGT-TENTHS
               POUNDS-PER-FEET WEIGHT OF PLUG CASING IN TENTHS OF A
               POUND.

      WB-PLUG-AMT-PUT
               NUMBER OF FEET OF CASING PIPE ORIGINALLY PUT IN WELL.

      WB-PLUG-AMT-LEFT
               NUMBER OF FEET OF CASING PIPE LEFT IN WELL WHEN
               PLUGGED.

      WB-PLUG-HOLE-SIZE.
         WB-PLUG-HOLE-INCH
               SIZE OF HOLE IN INCHES, WHOLE NUMBER.
         WB-PLUG-HOLE-FRAC-NUM
               HOLE SIZE IN FRACTIONS OF INCHES, NUMERATOR.
         WB-PLUG-HOLE-FRAC-DENOM
               HOLE SIZE IN FRACTIONS OF INCHES, DENOMINATOR.
```

```
*****************************************************************
*                     WELL  BORE                                *
*         PLUGGING     PERFS  SEGMENT                           *
*                                                               *
* SEGMENT NAME:  WBPLPERF                 (RECURRING)           *
*                                                               *
* FUNCTION      | SOURCE                  |  SSA NAME|          *
*---------------|-------------------------|----------|          *
* SEARCH FIELD  | WB-PLUG-PERF-COUNTER    |  WBPLPERC|          *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-PLUG-RECORD.
         03  WB-PLUG-PERF-COUNTER     VALUE ZEROS    PIC 9(03).  3
         03  WB-PLUG-FROM-PERF        VALUE ZEROS    PIC 9(05).  6
         03  WB-PLUG-TO-PERF          VALUE ZEROS    PIC 9(05).  11
         03  WB-PLUG-OPEN-HOLE-INDICATOR  VALUE 'N'  PIC X(1).   16
         03  FILLER                   VALUE ZEROS    PIC X(19).  17
     02  RRC-TAPE-FILLER                             PIC X(0212). 36
```

```
*****************************************************************
*                      WELL  BORE                               *
*                 PLUGGING PERFS SEGMENT                        *
*****************************************************************
WELL-BORE-PLUG-RECORD.

WB-PLUG-PERF-COUNTER
          UNIQUE NUMBER WHICH CORRESPONDS TO EACH OCCURRENCE OF
          PERFORATIONS ON FILE.  NOTE: 'FROM' AND 'TO' EQUALS ONE
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 18    Well Bore Plugging Record

          OCCURRENCE, MAXIMUM OF TEN PERFS MAY BE REPORTED.

WB-PLUG-FROM-PERF
          DEPTH AT TOP OF ONE PERFORATED INTERVAL.

WB-PLUG-TO-PERF
          DEPTH AT BOTTOM OF ONE PERFORATED INTERVAL.

WB-PLUG-OPEN-HOLE-INDICATOR
          INDICATES IF PERFORATED INTERVAL WAS LEFT OPEN.
                                              'Y' = YES
                                              'N' = NO
```

```
*****************************************************************
*                     WELL  BORE                                *
*                PLUGGING  DATA    NOMENCLATURE SEGMENT         *
*                                                               *
* SEGMENT NAME:  WBPLNAME                  NON-RECURRING        *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|  OPTION  *
*---------------|--------------------------|----------|----------*
*               |                          |          |          *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-PLUG-NOMEN-SEG.
         03  WB-PLUG-FIELD-NO            VALUE ZEROS  PIC 9(08).  3
         03  WB-PLUG-FIELD-NAME          VALUE SPACES PIC X(32).  11
         03  WB-PLUG-OPER-NO             VALUE ZEROS  PIC X(06).  43
         03  WB-PLUG-OPER-NAME           VALUE SPACES PIC X(32).  49
         03  WB-PLUG-LEASE-NAME          VALUE SPACES PIC X(32).  81
     02  RRC-TAPE-FILLER                               PIC X(0135). 113
```

```
*****************************************************************
*                            WELL BORE                          *
*                PLUGGING DATA NOMENCLATURE SEGMENT             *
*****************************************************************
WELL-BORE-PLUG-NOMEN-SEG.

WB-PLUG-FIELD-NO
          FIELD NUMBER WHERE PLUGGED WELL IS LOCATED.

------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 19    Well Bore Plugging Nomenclature

WB-PLUG-FIELD-NAME
            NAME OF FIELD IN WHICH PLUGGED WELL IS LOCATED.

WB-PLUG-OPER-NO
            RRC-ASSIGNED ID NUMBER FOR OPERATOR OF PLUGGED WELL.

WB-PLUG-OPER-NAME
            NAME OF OPERATOR OF PLUGGED WELL.

WB-PLUG-LEASE-NAME
            NAME OF LEASE IN WHICH PLUGGED WELL IS LOCATED.
```

```
*****************************************************************
*                     WELL  BORE                                *
*                DRILLING  PERMIT  NUMBER                       *
*                                                               *
* SEGMENT NAME:  WBDRILL                   (RECURRING)          *
*                                                               *
* FUNCTION      | SOURCE                   |  SSA NAME|  OPTION  *
*---------------|--------------------------|----------|----------*
* SEGMENT KEY   | WB-PERMIT-NUMBER         |  WBPMTNUM|  UNIQUE  *
* SECONDARY INDX| WB-PERMIT-NUMBER         |  XPMTNUM |          *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-DRLG-PMT-SEG.
         03  WB-PERMIT-NUMBER        VALUE ZEROS     PIC 9(06).  3
         03  FILLER                  VALUE ZEROS     PIC X(14).  9
     02  RRC-TAPE-FILLER                             PIC X(0225). 23
```

```
****************************************************************
*                      WELL  BORE                              *
*                 DRILLING  PERMIT  NUMBER                     *
****************************************************************
WELL-BORE-DRLG-PMT-SEG.

WB-PERMIT-NUMBER
        IDENTIFYING NUMBER ASSIGNED TO PERMIT TO DRILL.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 20    Well Bore Drilling Permit Number
```

```
*****************************************************************
*                     WELL  BORE                                *
*                    WELL-ID  SEGMENT                           *
*                                                               *
* SEGMENT NAME:  WBWELLID                 (RECURRING)           *
*                                                               *
* FUNCTION      | SOURCE                  |  SSA NAME|  OPTION  *
*---------------|-------------------------|----------|----------*
* SEGMENT KEY   | WB-OIL-INFO(WB-GAS-INFO)| WBWELKEY |  UNIQUE  *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-WELL-ID-SEG.
         03  WB-OIL-INFO.
             05  WB-OIL                          PIC X(01).       3
             05  WB-OIL-DISTRICT                 PIC 9(02).       4
             05  WB-OIL-LSE-NUMBER               PIC 9(05).       6
             05  WB-OIL-WELL-NUMBER              PIC X(06).       11
         03  WB-GAS-INFO REDEFINES  WB-OIL-INFO.
             05  WB-GAS                          PIC X(01).
             05  WB-GAS-RRCID                    PIC 9(06).
             05  WB-FILLER                       PIC X(07).
         03  FILLER                 VALUE  ZEROS PIC X(11).       17
     02  RRC-TAPE-FILLER                             PIC X(0220). 28
```

```
*****************************************************************
*                      WELL  BORE                               *
*                    WELL-ID  SEGMENT                           *
*****************************************************************
WELL-BORE-WELL-ID-SEG.

WB-OIL-INFO.
   WB-OIL
         INDICATES THAT WELL IS CARRIED ON OIL SCHEDULE.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 21    Well Bore Well Identification

   WB-OIL-DISTRICT
         INDICATES DISTRICT IN WHICH WELL IS LOCATED.
   WB-OIL-LSE-NUMBER
         INDICATES NUMBER ASSIGNED TO LEASE IN WHICH WELL IS
         LOCATED.
   WB-OIL-WELL-NUMBER
         INDICATES NUMBER ASSIGNED TO IDENTIFY WELL.

WB-GAS-INFO REDEFINES  WB-OIL-INFO.
   WB-GAS
         INDICATES THAT WELL IS CARRIED ON GAS SCHEDULE.
   WB-GAS-RRCID
         UNIQUE NUMBER WHICH IDENTIFIES GAS WELL.
         WB-FILLER
```

```
*************************************************************
* WBW700Z4      14(B)(2) EXTENSION/PLUG SYSTEM               *
*                                                            *
*                     14B2 WELL SEGMENT                      *
*                                                            *
* NOTE: EXCEPTION AND EXTENSION ARE USED SYNONYMOUSLY.       *
*                                                            *
*                                                    SSA     *
* SEGMENT NAME: WB14B2                              KEY NAME *
*                                                   -------- *
* SEARCH FIELD:  WELL OIL KEY (WELL GAS KEY)        WB14B2KY *
* SECONDARY KEY: APPLICATION NUMBER + WELL KEY      XAPPNUM  *
* SEGMENT CONTAINS: 125 CHARACTERS                           *
*************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                  POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WB14B2-WELL-SEGMENT.
         05  WB14B2-OIL-KEY.
             10  WB14B2-OIL-CODE            VALUE SPACE   PIC X(01). 3
             10  WB14B2-OIL-DISTRICT        VALUE ZEROS   PIC 9(02). 4
             10  WB14B2-OIL-LEASE-NUMBER    VALUE ZEROS   PIC 9(05). 6
             10  WB14B2-OIL-WELL-NUMBER     VALUE SPACES  PIC X(06). 11
         05  WB14B2-GAS-KEY REDEFINES WB14B2-OIL-KEY.
             10  WB14B2-GAS-CODE                          PIC X(01).
             10  WB14B2-GAS-RRC-ID                        PIC 9(06).
             10  WB14B2-GAS-FILLER                        PIC X(07).
         05  WB14B2-APPLICATION-NUMBER      VALUE ZEROS   PIC 9(06). 17
         05  WB14B2-GAS-DISTRICT            VALUE ZEROS   PIC 9(02). 23
         05  WB14B2-EXT-STATUS-FLAG                       PIC X(01). 25
             88  WB14B2-EXT-APPROVED        VALUE 'A'.
             88  WB14B2-EXT-CANCELLED       VALUE 'C'.
             88  WB14B2-EXT-DENIED          VALUE 'D'.
             88  WB14B2-EXT-EXPIRED         VALUE 'E'.
         05  WB14B2-EXT-CANCELLED-REASON                  PIC X(01). 26
             88  WB14B2-EXT-INJECTION-WELL  VALUE 'I'.
             88  WB14B2-EXT-PRODUCING-WELL  VALUE 'P'.
             88  WB14B2-EXT-PLUGGED-WELL    VALUE 'G'.
             88  WB14B2-EXT-SERVICE-WELL    VALUE 'S'.
             88  WB14B2-EXT-CANCELLED-OTHER VALUE 'O'.
         05  WB14B2-EXT-APPROVED-DATE.
             10  WB14B2-EXT-APPROVED-CENT   VALUE ZEROS   PIC 9(02). 27
             10  WB14B2-EXT-APPROVED-YEAR   VALUE ZEROS   PIC 9(02). 29
             10  WB14B2-EXT-APPROVED-MONTH  VALUE ZEROS   PIC 9(02). 31
             10  WB14B2-EXT-APPROVED-DAY    VALUE ZEROS   PIC 9(02). 33
         05  WB14B2-EXT-EXP-DATE.
             10  WB14B2-EXT-EXP-CENT        VALUE ZEROS   PIC 9(02). 35
             10  WB14B2-EXT-EXP-YEAR        VALUE ZEROS   PIC 9(02). 37
             10  WB14B2-EXT-EXP-MONTH       VALUE ZEROS   PIC 9(02). 39
             10  WB14B2-EXT-EXP-DAY         VALUE ZEROS   PIC 9(02). 41
         05  WB14B2-EXT-DENIED-DATE.
             10  WB14B2-EXT-DENIED-CENT     VALUE ZEROS   PIC 9(02). 43
             10  WB14B2-EXT-DENIED-YEAR     VALUE ZEROS   PIC 9(02). 45
             10  WB14B2-EXT-DENIED-MONTH    VALUE ZEROS   PIC 9(02). 47
             10  WB14B2-EXT-DENIED-DAY      VALUE ZEROS   PIC 9(02). 49
```

```
    05  WB14B2-EXT-HIST-DATE.
        10  WB14B2-EXT-HIST-CENT        VALUE ZEROS   PIC 9(02). 51
        10  WB14B2-EXT-HIST-YEAR        VALUE ZEROS   PIC 9(02). 53
        10  WB14B2-EXT-HIST-MONTH       VALUE ZEROS   PIC 9(02). 55
        10  WB14B2-EXT-HIST-DAY         VALUE ZEROS   PIC 9(02). 57
    05  WB14B2-WELL-VIOLATIONS.
        10  WB14B2-MECH-INTEG-VIOL-FLAG             PIC X(01).  59
            88  WB14B2-MECH-INTEG-VIOL      VALUE 'H'.
        10  WB14B2-PLUG-ORDER-SF-HOLD-FLAG           PIC X(01). 60
            88  WB14B2-PLUG-ORDER-SF-HOLD    VALUE 'E'.
        10  WB14B2-POLLUTION-VIOL-FLAG               PIC X(01). 61
            88  WB14B2-POLLUTION-VIOL        VALUE 'P'.
        10  WB14B2-FIELD-OPS-HOLD-FLAG               PIC X(01). 62
            88  WB14B2-FIELD-OPS-HOLD        VALUE 'F'.
        10  WB14B2-H15-PROBLEM-FLAG                  PIC X(01). 63
            88  WB14B2-H15-PROBLEM           VALUE 'V'.
        10  WB14B2-H15-NOT-FILED-FLAG                PIC X(01). 64
            88  WB14B2-H15-NOT-FILED         VALUE 'X'.
        10  WB14B2-OPER-DELQ-FLAG                    PIC X(01). 65
            88  WB14B2-OPER-DELQ             VALUE 'O'.
        10  WB14B2-DISTRICT-HOLD-SFP-FLAG            PIC X(01). 66
            88  WB14B2-DISTRICT-HOLD-SFP     VALUE 'T'.
        10  WB14B2-DIST-SF-CLEAN-UP-FLAG             PIC X(01). 67
            88  WB14B2-DIST-SF-CLEAN-UP      VALUE 'M'.
        10  WB14B2-DIST-STATE-PLUG-FLAG              PIC X(01). 68
            88  WB14B2-DIST-STATE-PLUG       VALUE 'K'.
        10  WB14B2-GOOD-FAITH-VIOL-FLAG              PIC X(01). 69
            88  WB14B2-GOOD-FAITH-VIOL       VALUE 'R'.
        10  WB14B2-WELL-OTHER-VIOL-FLAG              PIC X(01). 70
            88  WB14B2-WELL-OTHER-VIOL       VALUE 'Q'.
        10  WB14B2-LACKING-BOND-VIOL-FLAG            PIC X(01). 71
            88  WB14B2-LACKING-BOND-VIOL     VALUE 'B'.
        10  FILLER                       VALUE SPACES  PIC X(03). 72
    05  WB14B2-60-DAY-LETTER-SENT-FLAG  VALUE SPACES  PIC X(01). 75
        88  WB14B2-60-DAY-LETTER-SENT   VALUE 'Y'.
    05  WB14B2-W1X-36-NEEDS-BOND-FLAG   VALUE SPACES  PIC X(01). 76
        88  WB14B2-W1X-36-NEEDS-BOND    VALUE 'Y'.
    05  WB14B2-W1X-36-TYPE-COVERAGE     VALUE ZEROS   PIC X(01). 77
        88  WB14B2-W1X-36-BOND          VALUE 'B'.
        88  WB14B2-W1X-36-LOC           VALUE 'L'.
    05  FILLER                          VALUE ZEROS  PIC X(05).  78
    05  WB14B2-W1X-36-AMT-FILED   COMP-3 VALUE ZEROS PIC S9(09). 83
    05  WB14B2-W1X-36-SURETY            VALUE ZEROS   PIC 9(05). 88
    05  WB14B2-W1X-36-EXP-DATE.
        10  WB14B2-W1X-36-EXP-CENT      VALUE ZEROS   PIC 9(02). 93
        10  WB14B2-W1X-36-EXP-YEAR      VALUE ZEROS   PIC 9(02). 95
        10  WB14B2-W1X-36-EXP-MON       VALUE ZEROS   PIC 9(02). 97
        10  WB14B2-W1X-36-EXP-DAY       VALUE ZEROS   PIC 9(02). 99
    05  WB14B2-W1X-36-BOND-NUMBER       VALUE ZEROS   PIC X(20). 101
    05  FILLER                          VALUE ZEROS   PIC X(07). 121
02  RRC-TAPE-FILLER                                  PIC X(0120). 128
```

```
*****************************************************************
*                 WELLBORE DATABASE                             *
*                  WB14B2 SEGMENT                               *
*****************************************************************
```

WB14B2-WELL-SEGMENT
THIS SEGMENT IS NON-RECURRING. THIS SEGMENT EXISTS ONLY WHEN A WELL IS SUBJECT TO RULE 14B2 AND HAS AN EXTENSION ON FILE. IF A WELL IS NO LONGER SUBJECT TO 14B2, IF AN EXTENSION HAS NOT BEEN APPLIED

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database tape's record ID. Contained in the first two bytes of each record, this record ID tells what type of information will be found in each record.

RRC ID Value	Tape Record Description
22	Well Bore Rule 14b2 Extension

FOR, OR IF THE EXTENSION HAS EXPIRED THIS WB14B2 SEGMENT IS MOVED TO THE EX DATABASE AS THE EX14B2HS SEGMENT.

WB14B2-OIL-KEY
A COMBINATION OF OIL CODE, DISTRICT, LEASE NUMBER AND WELL NUMBER; THE LAST THREE UNIQUELY IDENTIFY THE OIL WELL.

WB14B2-OIL-CODE
THE ONE-CHARACTER CODE "O" INDICATES THE CLASSIFICATION OF THE WELL AS AN OIL WELL.

WB14B2-OIL-DISTRICT
THIS DATA ITEM INDICATES THE DISTRICT IN WHICH THE 14(B)(2) OIL WELLS RESIDE. THERE ARE 14 DISTRICTS: 01, 02, 03, 04, 05, 06, 6E, 7B, 7C, 08, 8A, 8B, 09, AND 10. THE IDENTIFICATION VALUES, HOWEVER, ARE NOT INDICATED ON THE 14(B)(2) TAPE AS THEY ARE LISTED ABOVE. THE TABLE BELOW INDICATES THE CONVERTED VALUES.

14B2 TAPE VALUE		DISTRICT VALUE	
01	-	01	
02	-	02	
03	-	03	
04	-	04	
05	-	05	
06	-	06	
07	-	6E	
08	-	7B	
09	-	7C	
10	-	08	
11	-	8A	
12	-	8B	(RESERVED FOR FUTURE USE.)
13	-	09	
14	-	10	

WB14B2-OIL-LEASE-NUMBER
THIS DATA ITEM CONTAINS A FIVE-DIGIT OIL LEASE NUMBER ASSIGNED BY THE RRC TO EACH OIL LEASE.

WB14B2-OIL-WB14B2-NUMBER
THIS DATA ITEM CONTAINS AN ALPHANUMERIC STRING OF UP TO SIX DIGITS AND/OR CHARACTERS; IT IS ASSIGNED BY THE OPERATOR TO EACH OIL WELL.

WB14B2-GAS-KEY
A ONE-CHARACTER GAS CODE AND SIX-DIGIT RRC GAS WELL ID WHICH UNIQUELY IDENTIFY A GAS WELL.

WB14B2-GAS-CODE
THE ONE-CHARACTER CODE "G" INDICATES THE CLASSIFICATION OF THE WELL AS A GAS WELL.

WB14B2-GAS-RRC-ID
A SIX-DIGIT NUMBER ASSIGNED BY THE RRC TO UNIQUELY IDENTIFY EACH GAS WELL.

WB14B2-APPLICATION-NUMBER
A UNIQUE NUMBER ASSIGNED TO EACH 14(B)(2) APPLICATION RECEIVED. IT IS USED TO ASSOCIATE 14(B)(2) WELLS WITH AN APPLICATION.

WB14B2-GAS-DISTRICT
THIS DATA ITEM INDICATES THE DISTRICT IN WHICH THE GAS WELL RESIDES. THERE ARE 14 DISTRICTS: 01, 02, 03, 04, 05, 06, 6E, 7B, 7C, 08, 8A, 8B, 09, AND 10. THE IDENTIFICATION VALUES, HOWEVER, ARE NOT INDICATED ON THE 14(B)(2) TAPE AS THEY ARE LISTED ABOVE. THE TABLE BELOW INDICATES THE CONVERTED VALUES. SEE WB14B2-OIL-DISTRICT ABOVE

WB14B2-EXT-STATUS-FLAG
THIS IS THE CURRENT STATUS OF THE 14B2 EXTENSION APPLIED FOR
'A' - WB14B2-EXT-APPROVED
'C' - WB14B2-EXT-CANCELLED
'D' - WB14B2-EXT-DENIED
'E' - WB14B2-EXT-EXPIRED
STATUS CODES OF 'C' AND 'E' ARE USED WHEN THE WB14B2 IS SET TO BE MOVED TO WB14B2 SEGMENT.

WB14B2-EXT-CANCELLED-REASON PIC X(01).
THIS IS A REASON CODE WHY THE WB14B2 EXTENSION IS NO LONGER APPLICABLE OR VALID.
'I' WB14B2-EXT-INJECTION-WELL VALUE 'I'.
'P' WB14B2-EXT-PRODUCING-WELL VALUE 'P'.
'G' WB14B2-EXT-PLUGGED-WELL VALUE 'G'.
'S' WB14B2-EXT-SERVICE-WELL VALUE 'S'.
'O' WB14B2-EXT-CANCELLED-OTHER VALUE 'O'.

WB14B2-EXT-APPROVED-DATE
THIS DATA ITEM IS A 8 CHARACTER (CCYYMMDD) DATE REFLECTING THE DATE THE WB14B2 EXTENSION WAS APPROVED. ONCE SET IT

REMAINS EVEN IF THE STATUS IS LATER CHANGED.

WB14B2-EXT-EXP-DATE.
THIS DATA ITEM IS A 8 CHARACTER (CCYYMMDD) DATE REFLECTING THE DATE THE WB14B2 EXTENSION IS SCHEDULED TO EXPIRE. FOR BONDED OPERATORS THIS DATE IS THE DAY THEY ARE SCHEDULED TO BECOME P5 DELINQUENT IF THEY DO NOT REFILE. FOR W1X OPERATORS THIS DATA IS USUALLY ONE YEAR FROM THE LAST DAY OF THE MONTH IN WHICH THEY HAVE FILED FORM W1X. THIS DATE IS MODIFIABLE IN THE NEW 14B2 SYSTEM.

WB14B2-EXT-DENIED-DATE.
THIS DATA ITEM IS A 8 CHARACTER (CCYYMMDD) DATE REFLECTING THE DATE THE WB14B2 EXTENSION WAS APPROVED. ONCE SET IT REMAINS EVEN IF THE STATUS IS LATER CHANGED.

WB14B2-EXT-HIST-DATE.
THIS DATA ITEM IS A 8 CHARACTER (CCYYMMDD) DATE REFLECTING THE DATE THE WB14B2 EXTENSION IS NO LONGER APPLICABLE (EXPIRED, CANCELLED, ETC) AND THE WB14B2 SEGMENT IS MOVED TO EX4B2HS SEGMENT.

WB14B2-WELL-VIOLATIONS.
THESE DATA ITEMS ARE ONE BYTE VIOLATION CODES THAT WOULD CAUSE AN 14B2 EXTENSION TO BE DENIED. WITH THE EXCEPTION OF THE LACKING BOND VIOL ALL VIOLATIONS ARE APPLICABLE TO BOTH W1X AND BONDED OPERATORS. EACH VIOLATION HAS THEIR OWN ALPHA CODE AS FOLLOWS.

'H' - WB14B2-MECH-INTEG-VIOL-FLAG
'M' - WB14B2-PLUG-ORDER-SF-HOLD-FLAG
'P' - WB14B2-POLLUTION-VIOL-FLAG
'F' - WB14B2-FIELD-OPS-HOLD-FLAG
'V' - WB14B2-H15-PROBLEM-FLAG
'X' - WB14B2-H15-NOT-FILED-FLAG
'O' - WB14B2-OPER-DELQ-FLAG
'K' - WB14B2-DISTRICT-HOLD-SFP-FLAG
'T' - WB14B2-DIST-SF-CLEAN-UP-FLAG
'M' - WB14B2-DIST-STATE-PLUG-FLAG
'R' - WB14B2-GOOD-FAITH-VIOL-FLAG
'Q' - WB14B2-WELL-OTHER-VIOL-FLAG
'B' - WB14B2-LACKING-BOND-VIOL-FLAG

WB14B2-60-DAY-LETTER-FLAG
THIS DATA ITEM IS SET TO 'Y' WHEN THE 60 DAY RENEWAL IS SENT TO THE OPERATOR WHOSE 14B2 EXTENSION IS SCHEDULED TO EXPIRE IN 60 DAYS.

WB14B2-W1X-36-NEEDS-BOND-FLAG
APPLICABLE ONLY TO W1X FILERS REQUESTING AN EXTENSION FOR WELLS SHUT IN FOR MORE THAN 36 MONTH.

WB14B2-W1X-36-TYPE-COVERAGE
APPLICABLE ONLY TO W1X FILERS REQUESTING AN EXTENSION FOR

WELLS SHUT IN FOR MORE THAN 36 MONTH.
'B' - BOND
'L' - LETTER OF CREDIT

WB14B2-W1X-36-AMT-FILED
APPLICABLE ONLY TO W1X FILERS REQUESTING AN EXTENSION FOR WELLS SHUT IN FOR MORE THAN 36 MONTH.
AMOUNT OF BOND/LOC FILED TO COVER THE COST OF PLUGGING THE WELLBORE. THE REQUIRED AMOUNT IS COMPUTED BASED ON WBROOT DATA CONCERNING DEPTH AND/OR PLUGGING AMOUNTS.

WB14B2-W1X-36-SURETY
APPLICABLE ONLY TO W1X FILERS REQUESTING AN EXTENSION FOR WELLS SHUT IN FOR MORE THAN 36 MONTHS.
A FIVE DIGIT NUMBER IDENTIFYING THE BANK/SURETY NUMBER BACKING THE BOND OR LETTER OF CREDIT.

WB14B2-W1X-36-EXP-DATE
APPLICABLE ONLY TO W1X FILERS REQUESTING AN EXTENSION FOR WELLS SHUT IN FOR MORE THAN 36 MONTH.
THIS DATA ITEM IS THE EXPIRATION DATE OF THE BOND OR LOC. (REQUIRED DATA ITEM FOR L.O.C.)

WB14B2-W1X-36-BOND-NUMBER
APPLICABLE ONLY TO W1X FILERS REQUESTING AN EXTENSION FOR WELLS SHUT IN FOR MORE THAN 36 MONTH.
THE IDENTIFYING NUMBER OF THE BOND OR LOC USED.

```
*****************************************************************
* WBW701A8                  WELL BORE                           *
*                     WELL BORE H-15 SEGMENT                    *
*                                                               *
* SEGMENT NAME:  WBH15                SEGLENGTH:  150           *
*                                                               *
*                      THIS SEGMENT REOCCURS                    *
* FUNCTION      | SOURCE                    |  SSA NAME|  OPTION  *
*---------------|---------------------------|----------|--------- *
* SEGMENT KEY   | WB-H15-DATE-KEY           |  WBH15KEY|  UNIQUE  *
* SEARCH        | WB-H15-OPERATOR           |  WBH15OPR|          *
* SEARCH        | WB-H15-STATUS             |  WBH15STA|          *
* SEARCH        | WB-H15-DIST               |  WBH15DST|          *
* SEARCH        | WB-H15-TYPE-TEST-FLAG     |  WBH15TST|          *
* SEARCH        | WB-H15-NEXT-TEST-DUE-DATE  WBH15NXT|          *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WELL-BORE-H15-RECORD.
         03  WB-H15-DATE-KEY                PIC 9(08)  VALUE ZEROS.  3
         03  WB-H15-STATUS                  PIC X(01)  VALUE SPACE.  11
             88  WB-H15-APPROVED                       VALUE 'A'.
             88  WB-H15-COMPLIANT                      VALUE 'C'.
             88  WB-H15-DELINQUENT                     VALUE 'D'.
             88  WB-H15-NOT-APPROVED                   VALUE 'N'.
             88  WB-H15-APPROVAL-PENDING               VALUE 'P'.
             88  WB-H15-W3A-EXTENSION                  VALUE 'W'.
             88  WB-H15-UIC                            VALUE 'U'.
             88  WB-H15-NO-TEST-PROJ-EXT               VALUE 'E'.
             88  WB-H15-W1X-DENIED                     VALUE 'X'.
         03  WB-H15-OPERATOR                PIC 9(06)  VALUE ZEROS.  12
         03  WB-H15-NEXT-TEST-DUE-DATE.
             05  WB-NEXT-TEST-CCYY          PIC 9(04)  VALUE ZEROS.  18
             05  WB-NEXT-TEST-MM            PIC 9(02)  VALUE ZEROS.  22
         03  WB-H15-DISTRICT                PIC 9(02)  VALUE ZEROS.  24
         03  WB-H15-FIELD                   PIC 9(08)  VALUE ZEROS.  26
         03  WB-H15-HIST-WELLBORE-FLAG      PIC X(01)  VALUE SPACES. 34
             88  WB-H15-HIST-DRILLING                  VALUE 'D'.
             88  WB-H15-HIST-EARLY-COMPL               VALUE 'C'.
         03  WB-H15-HIST-WELL-CCYYMMDD.
             05  WB-H15-HIST-WELL-CC        PIC 9(02)  VALUE ZEROS.  35
             05  WB-H15-HIST-WELL-DATE.
                 10  WB-H15-HIST-WELL-YY    PIC 9(02)  VALUE ZEROS.  37
                 10  WB-H15-HIST-WELL-MM    PIC 9(02)  VALUE ZEROS.  39
                 10  WB-H15-HIST-WELL-DD    PIC 9(02)  VALUE ZEROS.  41
         03  WB-H15-W1X-WELL                PIC X(01)  VALUE SPACES. 43
         03  WB-H15-OIL-GAS-CODE            PIC X(01)  VALUE SPACES. 44
             88  WB-H15-GAS-WELL                       VALUE 'G'.
             88  WB-H15-OIL-WELL                       VALUE 'O'.
         03  WB-H15-LEASE-NBR               PIC 9(05)  VALUE ZEROS.  45
         03  WB-H15-WELL-NBR                PIC X(06)  VALUE SPACES. 50
         03  WB-H15-GASID-NBR               PIC 9(06)  VALUE ZEROS.  56
         03  WB-H15-TEST-DATE.
             05  WB-H15-TEST-YEAR.
                 10  WB-H15-TEST-CC         PIC 9(02)  VALUE ZEROS.  62
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           10  WB-H15-TEST-YY          PIC 9(02)  VALUE ZEROS.  64
       05  WB-H15-TEST-MM              PIC 9(02)  VALUE ZEROS.  66
       05  WB-H15-TEST-DD              PIC 9(02)  VALUE ZEROS.  68
   03  WB-H15-BASE-USABLE-WATER        PIC 9(06)  VALUE ZEROS.  70
   03  WB-H15-TYPE-TEST-FLAG           PIC X(01)  VALUE ZEROS.  76
       88  WB-H15-FLUID-TEST                      VALUE 'F'.
       88  WB-H15-MECH-INTEG-TEST                 VALUE 'M'.
   03  WB-H15-TOP-OF-FLUID             PIC 9(06)  VALUE ZEROS.  77
   03  WB-H15-FLUID-TEST-FLAG          PIC X(01)  VALUE SPACES. 83
       88  WB-H15-FLUID-WIRE                      VALUE 'W'.
       88  WB-H15-FLUID-SONIC                     VALUE 'S'.
       88  WB-H15-FLUID-VISUAL                    VALUE 'V'.
       88  WB-H15-FLUID-OTHER                     VALUE 'O'.
   03  WB-H15-MECH-INTEG-TEST-FLAG     PIC X(01)  VALUE SPACE.  84
       88  WB-H15-MECH-HYDRAULIC                  VALUE 'H'.
       88  WB-H15-MECH-INTEG-OTHER                VALUE 'O'.
   03  WB-H15-MECH-TEST-REASON-FLAG    PIC X(01)  VALUE SPACE.  85
       88  WB-H15-MECH-SUBSTITUTE                 VALUE 'A'.
       88  WB-H15-MECH-14B2-REQUIRE               VALUE 'B'.
   03  WB-H15-ALTERNATE-TEST-PERIOD    PIC 9(02)  VALUE ZEROS.  86
   03  WB-H15-OTHER-MIT-TEST-TYPE      PIC X(20)  VALUE SPACES. 88
   03  WB-H15-STATUS-DATE.
       05  WB-H15-STATUS-CC            PIC 9(02)  VALUE ZEROS.  108
       05  WB-H15-STATUS-YY            PIC 9(02)  VALUE ZEROS.  110
       05  WB-H15-STATUS-MM            PIC 9(02)  VALUE ZEROS.  112
       05  WB-H15-STATUS-DD            PIC 9(02)  VALUE ZEROS.  114
   03  WB-H15-NO-DATE-WELL-FLAG        PIC X(01)  VALUE SPACES. 116
       88  WB-H15-NO-DATE-WELL                    VALUE 'Y'.
   03  WB-H15-RECORD-FROM-EDI-FLAG     PIC X(01)  VALUE SPACES. 117
       88  WB-H15-RECORD-FROM-EDI                 VALUE 'Y'.
   03  WB-H15-KEYED-DATE.
       05  WB-H15-KEYED-CC             PIC 9(02)  VALUE ZEROS.  118
       05  WB-H15-KEYED-YY             PIC 9(02)  VALUE ZEROS.  120
       05  WB-H15-KEYED-MM             PIC 9(02)  VALUE ZEROS.  122
       05  WB-H15-KEYED-DD             PIC 9(02)  VALUE ZEROS.  124
   03  WB-H15-CHANGED-DATE.
       05  WB-H15-CHANGED-CC           PIC 9(02)  VALUE ZEROS.  126
       05  WB-H15-CHANGED-YY           PIC 9(02)  VALUE ZEROS.  128
       05  WB-H15-CHANGED-MM           PIC 9(02)  VALUE ZEROS.  130
       05  WB-H15-CHANGED-DD           PIC 9(02)  VALUE ZEROS.  132
   03  WB-H15-PREVIOUS-STATUS          PIC X(01)  VALUE SPACE.  134
   03  WB-H15-UIC-TEST-FLAG            PIC X(01)  VALUE SPACE.  135
       88  WB-H15-UIC-H5-TEST                     VALUE 'U'.
   03  WB-H15-2YRS-APPROVED-FLAG       PIC X(01)  VALUE SPACE.  136
       88  WB-H15-2YRS-APPROVED                   VALUE 'Y'.
   03  FILLER                          PIC X(16)  VALUE ZEROS.  137
02  RRC-TAPE-FILLER                                PIC X(0095). 153
```

```
*****************************************************************
*                          WELL  BORE                           *
*                    WELL BORE H-15 SEGMENT                     *
*****************************************************************
WELL-BORE-h15-record.

WB-H15-DATE-KEY
        Derived by subtracting the mailing date for the H-15 Listing
        from 999999999.  This provides us with a date key placing the
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 23    Well Bore H-15 Information

        most current segment in the first position encountered when
        reading the data base.

   WB-H15-STATUS
This is a flag used to indicate the status of the 25+ year
        old inactive wellbore relative to H-15 test requirements.
        Valid conditions for WB-H15-STATUS:
        A - H15 filed was APPROVED
        C - Wellbore status has changed and bore is now COMPLIANT
        D - H15 is DELINQUENT
        N - H15 was filed but not APPROVED
        P - H15 APPROVAL is PENDING
        W - A W3A plugging extension was filed for the wellbore

   WB-H15-OPERATOR
        The operator that filed the original H-15.

   WB-H15-NEXT-TEST-DUE-DATE
        The date the next H-15 is due for the wellbore.

   WB-H15-DISTRICT
        The district the wellbore is located in.

   WB-H15-FIELD
        The field the wellbore is located in.

   WB-H15-HIST-WELLBORE-FLAG
        The source of the historical wellbore date:
        D - Drilling Permit
        C - Earliest Completion

   WB-H15-HIST-WELL-CCYYMMDD
        Oldest wellbore date on RRC files.
```

WB-H15-OIL-GAS-CODE
Type of lease filed on the H-15:
G - Gas Well
O - Oil Well

WB-H15-LEASE-NBR
Lease number filed on the H-15 if oil lease.

WB-H15-WELL-NBR
Well number filed on the H-15.

WB-H15-GASID-NBR
Gas id filed on the H-15 if gas well.

WB-H15-TEST-DATE
Date the test on the wellbore was conducted.

WB-H15-BASE-USABLE-WATER
The bottom of the deepest usable water in the bore area. This is determined by the Texas Water Commission.

WB-H15-TYPE-TEST-FLAG
Type of test conducted on the wellbore:
F - Fluid Level Test
M - Mechanical Integrity Test

WB-H15-TOP-OF-FLUID
Top of fluid in the wellbore if fluid level test conducted.

WB-H15-FLUID-TEST-FLAG
Type of fluid level test conducted:
W - Wire Line Test
S - Sonic Survey
V - Visual Test

WB-H15-MECH-INTEG-TEST-FLAG
Type of mechanical integrity test conducted:
H - Hydraulic Pressure
O - Other

WB-H15-MECH-TEST-REASON-FLAG
Reason mechanical integrity test conducted:
A - Substitute for fluid level test
B - Required by statewide rule 14(b)(2)

WB-H15-ALTERNATE-TEST-PERIOD
Number of years the mechanical integrity test is good for if different than the standard 5 years.

WB-H15-OTHER-MIT-TEST-TYPE
Type of mechanical integrity test conducted if not hydraulic pressure.

WB-H15-status-date
Date the current status of the H-15 was assigned.

WB-H15-no-date-well-flag

Indicates that the wellbore has no historic date on RRC records and that the operator will have 2 years from the mail date to test the wellbore before the H-15 is due.

```
*****************************************************************
*  WBW701B1                                                     *
*     THIS COPY IS USED FOR THE WELLBORE DATABASE'S             *
*                  WBH15 REMARKS SEGMENT                        *
*                                                               *
*                                                               *
* SEGMENT NAME: WBH15RMK               RECORD LENGTH: 80 BYTES *
*---------------------------------------------------------------*
* VARIABLE                  |        TYPE       |    SSA        *
* NAME                      |                   |    NAME       *
*---------------------------------------------------------------*
* WB-H15-REMARK-KEY         |   KEY             | WBH15RKY      *
*---------------------------------------------------------------*
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WB-H15-REMARKS-SEGMENT.
         03  WB-H15-REMARK-KEY            PIC 9(03) VALUE ZEROS.   3
         03  WB-H15-REMARK-TEXT           PIC X(70) VALUE SPACES.  6
         03  FILLER                       PIC X(07) VALUE ZEROS.   76
     02  RRC-TAPE-FILLER                             PIC X(0165). 83
```

```
*****************************************************************
*                          WELL  BORE                           *
*                    WBH15 REMARKS SEGMENT                      *
*****************************************************************
WB-H15-REMARKS-SEGMENT.

WELL-BORE-API-ROOT.

WB-H15-REMARK-KEY.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 24    Well Bore H-15 Remarks

          A unique number assigned to a remark segment for a given
          wellbore.

WB-H15-REMARK-TEXT.
          The actual text of the remark.
```

```
*****************************************************************
* WBW701C1                                                      *
*                          WELL BORE                            *
*                    SENATE BILL 126 SEGMENT                    *
*                                                               *
* SEGMENT NAME:  WBSB126             RECORD LENGTH: 60 BYTES    *
*                                                               *
*                                    *NON-RECURRING SEGMENT*    *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02).  1
     02  WB-SB126-SEGMENT.
         05  WB-SB126-DESIGNATION-FLAG       VALUE ZEROS  PIC X(1).   3
             88  WB-SB126-AUTO-DESIGNATED    VALUE 'A'.
             88  WB-SB126-MANUAL-DESIGNATED  VALUE 'M'.
         05  WB-SB126-DESIG-EFFECTIVE-DATE.
             10  WB-SB126-DESIG-EFFEC-CCYY.
                 15  WB-SB126-DESIG-EFFEC-CC VALUE ZEROS  PIC 9(2).   4
                 15  WB-SB126-DESIG-EFFEC-YY VALUE ZEROS  PIC 9(2).   6
             10  WB-SB126-DESIG-EFFEC-MM     VALUE ZEROS  PIC 9(2).   8
         05  WB-SB126-DESIG-REVISED-DATE.
             10  WB-SB126-DESIG-REVISED-CC   VALUE ZEROS  PIC 9(2).   10
             10  WB-SB126-DESIG-REVISED-YY   VALUE ZEROS  PIC 9(2).   12
             10  WB-SB126-DESIG-REVISED-MM   VALUE ZEROS  PIC 9(2).   14
         05  WB-SB126-DESIG-LETTER-DATE.
             10  WB-SB126-DESIG-LETTER-CC    VALUE ZEROS  PIC 9(2).   16
             10  WB-SB126-DESIG-LETTER-YY    VALUE ZEROS  PIC 9(2).   18
             10  WB-SB126-DESIG-LETTER-MM    VALUE ZEROS  PIC 9(2).   20
             10  WB-SB126-DESIG-LETTER-DD    VALUE ZEROS  PIC 9(2).   22
         05  WB-SB126-CERT-EFFECT-DATE.
             10  WB-SB126-CERT-EFFEC-CC      VALUE ZEROS  PIC 9(2).   24
             10  WB-SB126-CERT-EFFEC-YY      VALUE ZEROS  PIC 9(2).   26
             10  WB-SB126-CERT-EFFEC-MM      VALUE ZEROS  PIC 9(2).   28
         05  WB-SB126-CERT-REVOKED-DATE.
             10  WB-SB126-CERT-REVOKED-CC    VALUE ZEROS  PIC 9(2).   30
             10  WB-SB126-CERT-REVOKED-YY    VALUE ZEROS  PIC 9(2).   32
             10  WB-SB126-CERT-REVOKED-MM    VALUE ZEROS  PIC 9(2).   34
             10  WB-SB126-CERT-REVOKED-DD    VALUE ZEROS  PIC 9(2).   36
         05  WB-SB126-CERT-DENIAL-DATE.
             10  WB-SB126-CERT-DENIAL-CC     VALUE ZEROS  PIC 9(2).   38
             10  WB-SB126-CERT-DENIAL-YY     VALUE ZEROS  PIC 9(2).   40
             10  WB-SB126-CERT-DENIAL-MM     VALUE ZEROS  PIC 9(2).   42
             10  WB-SB126-CERT-DENIAL-DD     VALUE ZEROS  PIC 9(2).   44
         05  WB-SB126-DENIAL-REASON-FLAG     VALUE ZEROS  PIC X(1).   46
             88  WB-SB126-DENIED-AUTO        VALUE 'A'.
             88  WB-SB126-DENIED-MANUAL      VALUE 'M'.
         05  FILLER                          VALUE ZEROS  PIC X(16).  47
     02  RRC-TAPE-FILLER                                 PIC X(0185). 63
```

```
*****************************************************************
*                            WELL BORE                          *
*   WELL BORE SENATE BILL 126 (2-YR INACTIVE PROGRAM) SEGMENT   *
*****************************************************************
WB-SB126-SEGMENT.

WB-SB126-DESIGNATION-FLAG
          'A' - THE WELLBORE WAS AUTOMATICALLY DESIGNATED FOR SENATE BILL
                126 BY THE MONTHLY COMPUTER RUN
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 25    Well Bore SB126 - 2 Yr Inactive

          'M' - THE WELLBORE WAS MANUALLY DESIGNATED FOR SENATE BILL 126
                BY THE OPERATOR FILING AN ST-1 FORM.
          ZEROS OR SPACES - THE WELLBORE IS NOT DESIGNATED FOR SENATE BILL
                1975.

 WB-SB126-DESIG-EFFECTIVE-DATE
          THIS DATA ITEM IS A SIX CHARACTER DATE REPRESENTING THE FIRST
          DATE THE WELL BECOMES ELIGIBLE FOR CERTIFICATION FOR TAX
          EXEMPTION.  FORMAT: CCYYMM

 WB-SB126-DESIG-REVISED-DATE
          THIS IS A MANUAL MODIFICATION FOR THE AUTOMATICALLY GENERATED
          WB-SB126-DESIG-EFFECTIVE-DATE.  FORMAT: CCYYMM

 WB-SB126-DESIG-LETTER-DATE
          THIS IS A THE DATE THAT A LETTER WAS SENT TO NOTIFY THE OPERATOR
          THAT THIS WELLBORE IS A CANDIDATE FOR SENATE BILL 126
          CERTIFICATION.  FORMAT: CCYYMMDD

 WB-SB126-CERT-EFFECT-DATE
          THIS DATA ITEM IS THE DATE THE WELLBORE WAS CERTIFIED TO RECEIVE
          A TAX CREDIT FOR SENATE BILL 126.  FORMAT: CCYYMM

WB-SB126-CERT-REVOKED-DATE
          DATE THE SENATE BILL 126 CERTIFICATION WAS REVOKED.  FORMAT:
          CCYYMMDD
```

WB-SB126-CERT-DENIAL-DATE
DATE THE SENATE BILL 126 CERTIFICATION WAS DENIED. FORMAT: CCYYMMDD

WB-SB126-DENIAL-REASON-FLAG
THIS FLAG WILL BE SET TO 'A' IF IT WAS AUTOMATICALLY DENIED CERTIFICATION FOR SENATE BILL 126. THIS FLAG WILL BE SET TO 'M' IF IT WAS MANUALLY (ONLINE) DENIED CERTIFICATION FOR SENATE BILL 126. THIS FLAG WILL BE SET TO ZERO OR SPACE IF IT HAS NOT BEEN DENIED CERTIFICATION FOR SENATE BILL 126.

```
*****************************************************************
*                   WELL BORE                                   *
*          DRILLING PERMIT STATUS NUMBER                        *
*                                                               *
* SEGMENT NAME:  WBDASTAT                 (RECURRING)           *
*                                                               *
* FUNCTION      | SOURCE                  |  SSA NAME|  OPTION  *
*---------------|-------------------------|----------|----------*
* SEGMENT KEY   | WBDASTAT-NUMBER         |  WBSTATUS|  UNIQUE  *
* SECONDARY INDX| WBDASTAT-NUMBER         |  XDASTAT |  UNIQUE  *
*                                                               *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  WBDASTAT-SEGMENT.
         03  WBDASTAT-NUMBER.                                    3
             05  WBDASTAT-STAT-NUM    VALUE ZEROS    PIC 9(07).  3
             05  WBDASTAT-UNIQ-NUM    VALUE ZEROS    PIC 9(02).  10
         03  WBDASTAT-DELETED-FLAG    VALUE 'N'      PIC X(01).  12
             88 WBDASTAT-DELETED      VALUE 'Y'.
         03  FILLER                   VALUE ZEROS    PIC X(10).  13
     02  RRC-TAPE-FILLER                             PIC X(0225). 23
```

```
*****************************************************************
*                      WELL  BORE                               *
*          DRILLING APPLICATION STATUS  NUMBER                  *
*****************************************************************
WBDASTAT-SEGMENT.
  A WBDASTAT-SEGMENT RECORD OCCURS FOR EACH W-1 APPLICATION
  FILED WITH THE RAILROAD COMMISSION (RRC) THAT HAS NOT RESULTED
  IN THE ISSUANCE OF A PERMIT TO DRILL.  THE REQUEST TO DRILL
  COULD BE PENDING, DELETED, OR DENIED.
------------------
RRC-TAPE-RECORD-ID
------------------
This two-digit number indicates the Railroad Commission (RRC) well
database tape's record ID. Contained in the first two bytes of
each record, this record ID tells what type of information will be
found in each record.

RRC ID
Value     Tape Record Description
 26    Well Bore Drilling Permit Status

WBDASTAT-STAT-NUM.
      THIS DATA ITEM CONTAINS A SEVEN-DIGIT NUMBER ASSIGNED TO EACH
      W-1 APPLICATION RECEIVED AT THE RRC.

WBDASTAT-UNIQ-NUM .
      THIS DATA ITEM CONTAINS A TWO-DIGIT NUMBER ASSIGNED TO EACH
      WBDASTAT-STAT-NUM (SEE ABOVE).  THIS NUMBER, USED INTERNALLY,
      IDENTIFIES EACH AMENDMENT TO AN APPLICATION AND MAKES THE
      AMENDMENT UNIQUE.

WBDASTAT-DELETED-FLAG.
      THIS DATA ITEM CONTAINS A ONE DIGIT FLAG REPRESENTING IF THE
      DRILLING APPLICATION HAS BEEN DELETED.  A VALUE OF 'Y'
      INDICATES THE DRILLING APPLICATION HAS BEEN DELETED.
```