RAILROAD COMMISSION OF TEXAS

OIL AND GAS HISTORICAL LEDGER INFORMATION

MAGNETIC TAPE USER'S GUIDE

TABLE OF CONTENTS

I. GENERAL INFORMATION

<u>IDENTIFICATION</u>

Developed For: Users of Oil & Gas Historical Ledger
                           Information

By: Railroad Commission of Texas
                           Information Technology Services Division

System Name: Historical Oil and Gas Ledger

Computer: IBM/Compatible

<u>SYSTEM DESCRIPTION</u>

     The primary file of the automated Historical Ledger System
is the Historical Ledger database. It is an on-line, disk
resident file which contains information related to lease level
oil and gas production, product dispositions, and allowables.
The Historical Ledger system was created in 1995 and January
1993 is the first cycle (Year and Month), carrying forward to
27 months prior to the present date. The Historical Ledger
data is incremented monthly as the Oil and Gas Roll process
'rolls off' selected data from our 26 month Oil and Gas systems.
The Historical Ledger database is updated nightly as a result
of filed Forms P1's and P2's relating to these Historical
Ledger time periods.

This information is made available to the inquiring public
on tape.

The keys to the Historical Ledger tape records can be found in the
first two bytes of each record.

The key representation is as follows:

<u>TAPE</u>

RECORD KEY	SEGMENT NAME	DESCRIPTION
01	LDROOT	Root Segment
02	LDGSDATA	Gas Lease/RRCID Cycle data Segment
03	LDGASDSP	Gas Disposition Segment
04	LDGCONDS	Gas Condensate Disp. & Stock Adjustment Segment
05	LDGSTAT	Gas Balancing Period Segment
06	LDOLDATA	Oil Lease Cycle Data Segment
07	LDOILDSP	Oil Disposition & Stock Adjustment Segment
08	LDOCSHDS	Oil Casinghead Disposition Segment

Historical Ledger Database Hierarchy

```
                    **********
                    * LDROOT *
                    * KEY=01 *
                    **********
                        *       *
               **********     ********
                   *                  *
            **********              **********
            *LDGSDATA *             *LDOLDATA*
            * KEY=02  *             * KEY=06 *
            **********              **********
                 *                      *
                 *                      *
        ***********************     ******************
           *        *        *          *          *
      **********  **********  *********  **********  **********
      *LDGASDSP * *LDGCONDS* *LDGSTAT* *LDOILDSP* *LDOCSHDS*
      *KEY=03   * *KEY=04  * *KEY=05 * * KEY=07 * * KEY=08 *
      ********** ********** ********* ********** **********
```

PHYSICAL TAPE CHARACTERISTICS

1600 or 6250 BPI, Channel phase encoded

EBCDIC Character set

IBM standard labels
    (One 80-character volume label, two 80-character header
    labels and two 80-character trailer labels)

Dataset Name: T.LDF900

Record Length: 160

Blocksize: 32,640

II. TAPE INFORMATION

```
***************************************************************
* LDW700B1                                                    *
*        THIS COPY IS USED FOR THE LEDGER DATABASE'S          *
*              LEDGER ROOT SEGMENT  (OIL VERSION)             *
*                                                             *
*                                                             *
* SEGMENT NAME: LDROOT          RECORD LENGTH: 30 BYTES       *
*-------------------------------------------------------------*
* VARIABLE                      *     TYPE      *   SSA        *
* NAME                          *               *   NAME       *
*-------------------------------------------------------------*
* LDROOT-LEASE-KEY              *     KEY       *   LDROOTKY   *
*------------------------------------------------------------- *
***************************************************************
  01  RAILROAD-COMMISSION-TAPE-REC.                            POS.
      02  RRC-TAPE-RECORD-ID                    PIC X(02). 1
      02  LDROOT-SEGMENT.
      05 LDROOT-LEASE-KEY.
          07 LDROOT-OG-CODE          PIC X(01) VALUE SPACES.      3
          07 LDROOT-DISTRICT         PIC 9(02) VALUE ZEROS.       4
          07 LDROOT-LEASE-NBR        PIC 9(06) VALUE ZEROS.       6
      05 LD-MOVABLE-BALANCE          PIC S9(09)                  12
                                       COMP-3    VALUE ZEROS.
      05 LD-BEGINNING-OIL-STATUS      PIC S9(09)                 17
                                       COMP-3    VALUE ZEROS.
      05 LD-BEGINNING-CSGHD-STATUS    PIC S9(09)                 22
                                       COMP-3    VALUE ZEROS.
      05 LD-OIL-OLDEST-EOM-BALANCE    PIC S9(09)                 27
                                       COMP-3    VALUE ZEROS.
      05 FILLER                       PIC X(01)  VALUE ZEROS.    32
      02  RRC-TAPE-FILLER                        PIC X(0128). 33
```

```
*****************************************************************
* LDW700B1                                                      *
*                                                               *
*            THIS COPY IS USED FOR THE HISTORICAL LEDGER'S      *
*                       OIL LDROOT SEGMENT                      *
*                                                               *
* SEGMENT NAME: LDROOT                                          *
*****************************************************************
```

LDROOT-KEY

Group item that is the key to the Root Segment (Oil version)
of the Historical Ledger database.

LD-OIL-CODE

Code to indicate type of record.
    O   Oil Lease

LD-OIL-DISTRICT

Identifies the RRC district in which the lease is located. There
are fourteen RRC districts. The districts are represented by a
one through fourteen numeric value. The table below indicates the
converted values:

          RRC DISTRICT   RRC DISTRICT
          VALUE   ID   VALUE   ID

           01   -   01   08   -   7B
           02   -   02   09   -   7C
           03   -   03   10   -   08
           04   -   04   11   -   8A
           05   -   05   12   -   8B (not used)
           06   -   06   13   -   09
           07   -   6E (oil only) 14   -   10

                            II.2

```
----------------
LD-OIL-LEASE-NBR
----------------
RRC-assigned number; unique within district.


------------------
LD-MOVABLE-BALANCE
------------------
Indicates the cumulative net amount of oil in storage which may be
legally moved off the lease.  The amount of oil which is legal is
determined as follows:


    (A)  - The lease is overproduced -


         If the lease production is greater than the lease
         allowable, the lease is considered overproduced (see
         LD-PRESENT-OIL-STATUS).  Until the overproduction
         is made up (goes to zero), the moveable balance will
         be the cumulative net result of the end of month closing
         stock for the most current production report minus
         the cumulative overproduction.  A negative amount
         indicates the lease is in violation of statewide rules.


    (B)  - The lease is not overproduced -


         The moveable balance will be the same figure as the end
         of month closing stock for the most current production
         report.


-----------------------
LD-BEGINNING-OIL-STATUS
-----------------------
Indicates the lease's cumulative amount of oil overproduction through
the reporting cycle most recently rolled off the database.  This
fieLD will either be zero, signifying the lease was not
overproduced, or will contain the amount of overproduction.


-------------------------
LD-BEGINNING-CSGHD-STATUS
-------------------------
Indicates the lease's cumulative amount of casinghead gas over-
production through the reporting cycle most recently rolled off the
database.


-------------------------
LD-OIL-OLDEST-EOM-BALANCE
-------------------------
Indicates the lease's oldest end of month balance.  Taken from the
last cycle which has rolled off the database.
```

```
***************************************************************
* LDW700A1                                                    *
*         THIS COPY IS USED FOR THE LEDGER DATABASE'S         *
*               LEDGER ROOT SEGMENT  (GAS VERSION)            *
*                                                             *
*                                                             *
* SEGMENT NAME: LDROOT           RECORD LENGTH: 30 BYTES      *
*-------------------------------------------------------------*
* VARIABLE                    *     TYPE      *    SSA        *
* NAME                        *               *    NAME       *
*-------------------------------------------------------------*
* LDROOT-LEASE-KEY            *   KEY         *  LDROOTKY     *
*------------------------------------------------------------ *
***************************************************************
  01  RAILROAD-COMMISSION-TAPE-REC.                          POS.
     02  RRC-TAPE-RECORD-ID                    PIC X(02).  1
     02  LDROOT-SEGMENT.
         05 LDROOT-LEASE-KEY.
            07 LDROOT-OG-CODE         PIC X(01) VALUE SPACES.    3
            07 LDROOT-DISTRICT        PIC 9(02) VALUE ZEROS.     4
            07 LDROOT-RRCID-NBR       PIC 9(06) VALUE ZEROS.     6
         05 LD-GAS-OLDEST-EOM-BALANCE  PIC S9(09)                12
                                        COMP-3    VALUE ZEROS.
         05 LD-COND-OLDEST-EOM-BALANCE PIC S9(09)                17
                                        COMP-3    VALUE ZEROS.
         05 LD-LIQUID-OLDEST-EOM-BALANCE PIC S9(09)              22
                                        COMP-3    VALUE ZEROS.
         05 FILLER                    PIC X(06)  VALUE ZEROS.    32
     02  RRC-TAPE-FILLER                           PIC X(0128). 33
```

```
******************************************************************
* LDW700A1                                                       *
*                                                                *
*        THIS COPY IS USED FOR THE HISTORICAL LEDGER DATABASE'S  *
*                 ROOT SEGMENT (GAS VERSION)                     *
*                                                                *
* SEGMENT NAME:  LDROOT                                          *
******************************************************************
```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC)
Historical Ledger 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   Root Segment

LD-GAS-KEY

Group item that is the key to the Root segment (Gas version) of
the Historical Ledger database. It is comprised of LD-GAS-CODE,
LD-GAS-DISTRICT and LD-GAS-RRC-ID.

LD-GAS-CODE

This code indicates this record is for a gas well.
    G   Gas well

LD-GAS-DISTRICT

The RRC district in which the well is located. There are fourteen
Railroad Commission districts. The districts are represented by a
one through fourteen numeric value. The table below indicates the
converted values:

          RRC DISTRICT   RRC DISTRICT
          VALUE   ID   VALUE   ID

           01   -   01   08   -   7B
           02   -   02   09   -   7C
           03   -   03   10   -   08
           04   -   04   11   -   8A
           05   -   05   12   -   8B (not used)
           06   -   06   13   -   09
           07   -   6E (oil only)   14   -   10

                          II.5
```

```
-------------
LD-GAS-RRC-ID
-------------
This is a six-digit gas well identification number that is assigned
to the well by the RRC.

-------------------------
LD-GAS-OLDEST-EOM-BALANCE
-------------------------
This numeric value is the cumulative amount of gas that was either
overproduced or underproduced as of the beginning of the oldest
cycle on file.

--------------------------
LD-COND-OLDEST-EOM-BALANCE
--------------------------
For wells in all fields except for liquid limit fields, this
numeric value is the amount of condensate or oil that is on hand
in storage available for distribution as of the beginning of the
oldest cycle on file.

----------------------------
LD-LIQUID-OLDEST-EOM-BALANCE
----------------------------
For wells in liquid limit fields only, this numeric value is the
cumulative amount of liquid that was produced as of the beginning
of the oldest cycle on file.
```

```
    ****************************************************************
    * LDW700C2                                                    *
    *         THIS COPY IS USED FOR THE LEDGER DATABASE           *
    *              LEDGER GAS RRCID CYCLE DATA SEGMENT            *
    *                                                             *
    *                                                             *
    * SEGMENT NAME: LDGSDATA          RECORD LENGTH: 150 BYTES    *
    *-------------------------------------------------------------*
    * VARIABLE                    *     TYPE          *    SSA     *
    * NAME                        *                   *    NAME    *
    *-------------------------------------------------------------*
    * LDGSDATA-CYCLE-KEY          *     KEY           *  LDGCYCKY  *
    * LDGSDATA-OPERATOR-NUMBER    *     SEARCH        *  LDGOPNUM  *
    * LDGSDATA-FIELD-NUMBER       *     SEARCH        *  LDGFLNUM  *
    * LDGSDATA-FIELD-TYPE         *     SEARCH        *  LDGFLTYP  *
    *------------------------------------------------------------- *
    ****************************************************************
     01   RAILROAD-COMMISSION-TAPE-REC.                                    POS.
        02   RRC-TAPE-RECORD-ID                               PIC X(02).  1
        02   LDGSDATA-RRCID-CYCLE-DATA.
            05 LDGSDATA-CYCLE-KEY                 PIC 9(04)    VALUE ZEROS.  3
            05 LDGSDATA-OPERATOR-NUMBER           PIC 9(06)    VALUE ZEROS.  7
            05 LDGSDATA-FIELD-NUMBER.
                07 LDGSDATA-FL-FIELD-NO           PIC 9(05)    VALUE ZEROS. 13
                07 LDGSDATA-FIELD-RESERVOIR-NO    PIC 9(03)    VALUE ZEROS. 18
            05 LDGSDATA-FIELD-TYPE                PIC X(01)    VALUE SPACES. 21
            05 LDGSDATA-TYPE-FIELD-CODE           PIC X(02)    VALUE SPACES. 22
            05 LDGSDATA-BALANCING-FIELD-FLAG      PIC X(01)    VALUE SPACES. 24
                88 LDGSDATA-BALANCING-FIELD                    VALUE 'Y'.
            05 LDGSDATA-BALANCING-RULE-CODE       PIC X(01)    VALUE SPACES. 25
            05 LDGSDATA-WELL-NUMBER               PIC X(06)    VALUE SPACES. 26
            05 LDGSDATA-WLROOT-KEY                PIC 9(08)    VALUE ZEROS. 32
            05 LDGSDATA-P2-FILED-FLAG             PIC X(01)    VALUE SPACES. 40
                88 LDGSDATA-P2-FILED                           VALUE 'Y'.
            05 LDGSDATA-CORRECTED-P2-FLAG         PIC X(01)    VALUE ZEROS. 41
                88 LDGSDATA-CORRECTED-P2-FILED                 VALUE 'Y'.
            05 LDGSDATA-WORD-ALLOWABLE            PIC X(08)    VALUE SPACES. 42
            05 LDGSDATA-ALLOWABLE                 PIC S9(09)                50
                                                  COMP-3       VALUE ZEROS.
            05 LDGSDATA-WELL-TYPE                 PIC X(02)    VALUE SPACES. 55
            05 LDGSDATA-14B2-CODE                 PIC X(01)    VALUE ZEROS. 57
            05 FILLER                             PIC X(02)    VALUE ZEROS. 58
            05 LDGSDATA-ALLOWABLE-CODE            PIC X(02)    VALUE SPACES. 60
            05 LDGSDATA-TOP-SCHED-ALLOWABLE       PIC S9(09)                62
                                                  COMP-3       VALUE ZEROS.
            05 LDGSDATA-REVISED-ALLOW-CODE        PIC X(02)    VALUE SPACES. 67
            05 LDGSDATA-COMMINGLED-FLAG           PIC X(01)    VALUE SPACES. 69
            05 LDGSDATA-PRODUCTION                PIC S9(09)                70
                                                  COMP-3       VALUE ZEROS.
            05 LDGSDATA-INJECTION-CREDIT-CODE     PIC X(01)    VALUE ZEROS. 75
            05 LDGSDATA-G9-INJECTION-AMOUNT       PIC S9(09)                76
                                                  COMP-3       VALUE ZEROS.
            05 LDGSDATA-LIFT-GAS-INJECTED         PIC S9(09)                81
                                                  COMP-3       VALUE ZEROS.
            05 LDGSDATA-MONTHLY-STATUS            PIC S9(09)                86
```

```
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-REINSTATED-UNDERAGE     PIC S9(09)                  91
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-REIN-UNDERAGE-DATE.
        07 LDGSDATA-REIN-UNDERAGE-YEAR   PIC 9(04)     VALUE ZEROS.  96
        07 LDGSDATA-REIN-UNDERAGE-MONTH  PIC 9(02)     VALUE ZEROS.  100
        07 LDGSDATA-REIN-UNDERAGE-DAY    PIC 9(02)     VALUE ZEROS.  102
     05 LDGSDATA-OVERAGE-TRANSFER        PIC S9(09)                  104
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-CUMU-STATUS             PIC S9(09)                  109
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-COND-LIMIT              PIC S9(09)                  114
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-COND-PLANT-PRODUCTION   PIC S9(09)                  119
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-COND-LEASE-PRODUCTION   PIC S9(09)                  124
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-COND-EOM-BALANCE        PIC S9(09)                  129
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-CANCEL-UNDERAGE-FLAG    PIC X(01)     VALUE 'N'.    134
        88  LDGSDATA-CANCEL-UNDERAGE                   VALUE 'Y'.
        88  LDGSDATA-UNDER-AFTER-LEDGER                VALUE 'A'.
        88  LDGSDATA-UNDER-BEFORE-LEDGER               VALUE 'B'.
     05 LDGSDATA-CUMULATIVE-OVERAGE      PIC S9(09)                  135
                                         COMP-3        VALUE ZEROS.
     05 LDGSDATA-LIQUID-CUMU-STATUS      PIC S9(09)                  140
                                         COMP-3        VALUE ZEROS.
     05 FILLER                           PIC X(08)     VALUE ZEROS.  145
  02  RRC-TAPE-FILLER                                  PIC X(0008). 153
```

```
******************************************************************
* LDW700C1                                                      *
*                                                                *
*         THIS COPY IS USED FOR THE HISTORICAL LEDGER DATA BASE  *
*                  GAS CYCLE DATA SEGMENT                        *
*                                                                *
* SEGMENT NAME:  LDGSDATA                                        *
******************************************************************
```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC)
Historical Ledger 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     Gas Lease Cycle Data Segment
```

LDGSDATA-CYCLE-KEY

This numeric value represents the period of time (in MMYY format)
for which the following information applies. The oldest date on
the database is January 1993 which is Cycle Key 9927. Subtracting
1 from the cycle key adds a month to the Date. 9926 = Feb 1993; etc.

LDGSDATA-OPERATOR-NUMBER

A six-digit number representing the operator of the well for this
particular cycle date.

LDGSDATA-FIELD-NUMBER

An eight-digit number identifying the Field in which this well was
in for this particular cycle date.

LDGSDATA-FIELD-TYPE

This data item indicates whether a gas field is associated
with an oil field or is a non-associated gas field. The values
below identify the field.

        ASSOCIATED FIELD   VALUE "A"
        NON-ASSOCIATED FIELD VALUE "N"

   (Note: this field is no longer being used.)

```
------------------------
LDGSDATA-TYPE-FIELD-CODE
------------------------


   The classification given to gas fields based on such factors
   as number of wells in the field, daily producing rate of the
   wells, and demand for gas.  This classification is used to
   determine the method of calculating the monthly allowable for
   the field.

*      FL-49B                              VALUE '49'.
*      FL-EXEMPT                           VALUE 'EX'.
*      FL-PRORATED                         VALUE 'PR'.
*      FL-CYCLING                          VALUE 'CY'.
*      FL-STORAGE                          VALUE 'ST'.
*      FL-LIQUID-LIMIT                     VALUE 'LQ'.
*      FL-CAPACITY                         VALUE 'CA'.
*      FL-SALVAGE                          VALUE 'SV'.
*      FL-ONE-WELL                         VALUE 'ON'.
*      FL-SPECIAL                          VALUE 'SP'.
*
---------------------------
LDGSDATA-BALANCING-FIELD-FLAG
---------------------------
Set to 'y' if  field type code is 'PR' or if field type code
is '49' and Regular Balancing rules apply.


---------------------------
LDGSDATA-BALANCING-ALLOW-CODE
---------------------------
This is a code that is associated with the LDGSDATA-BALANCING-ALLOW-
AMT described above.  It goes beyond the terms administrative,
adjusted, and assigned to describe more specifically what the
allowable amount represents.  The codes are interpreted in the
code list located in appendix "A".

This data item is called a "balancing" allowable code because of
its association with the allowable amount it describes.


---------------------------
LDGSDATA-BALANCING-RULE-CODE
---------------------------


This data item indicates whether balancing rules exist for the
wells in the field.  wells in most fields accumulate overage.
that is, if the well has overproduced during a given cycle,
that amount of overproduction is kept up with or maintained.

     FL-NO-BALANCING                      VALUE 'N'.
        simple balancing as mentioned above is performed.

     FL-REGULAR-BALANCING                 VALUE 'R'.
        regular balancing is associated with wells in prorated
        fields where both overproduction and underproduction
        are maintained.  Underproduction is susceptible to
```

```
              being cancelled after a period of time.

      FL-BALANCE-NO-SUPPLEMENTS              VALUE 'C'.
          undefined.

      FL-BALANCE-WITH-SUPPLEMENTS            VALUE 'S'.
          undefined.

      FL-BALANCE-LIMITED-WITH-UNDER          VALUE 'L'.
          undefined.
```

LDGSDATA-WELL-NUMBER

This data item contains a six-digit number assigned by the
operator. The first byte may be alphabetic, numeric or blank.
The second and third bytes may be numeric or blank. The fourth
byte may be numeric. The fifth or sixth bytes may be alphabetic
or blank. If the third byte is blank, the second byte must be
blank and the first byte may not be numeric. The well number is
required on all reports by well.

LDGSDATA-WLROOT-KEY

This data item contains a key for internal use by ADP. It is a
number which will never change, even if the well changes to a
different lease. It is used to access the root segment in the
Well Database. This is defined as 8 digit numeric.

LDGSDATA-P2-FILED-FLAG

This data item indicates whether or not a report was filed for
a cycle before the cycle rolled off the 24 month production data
base.
     N   No Form P2 filed
     Y   Yes Form P2 filed

LDGSDATA-CORRECTED-P2-FLAG

This data item indicates whether or not a report was filed for
a cycle after the cycle rolled off the 24 month production data
base.
     N   No Form P2 filed
     Y   Yes Form P2 filed

LDGSDATA-WORD-ALLOWABLE

A word allowable is assigned in cases where a well does not receive an allowable amount for the cycle. The word allowable indicates the reason an allowable amount was not assigned to the well for the cycle.

LDGSDATA-ALLOWABLE

This numeric data item is a positive figure that contains the maximum amount of gas the well is allowed to produce for the cycle. The total allowable amount for the cycle consists of the daily allowable times calendar days in the cycle. This amount represents one of three categories of allowables: assigned, adjusted, and administrative. These are described below. The allowable is measured in MCF.

LDGSDATA-WELL-TYPE (from WLGRPTCY segment)

Indicates the well type during this reporting cycle:

    PR   Producing
    AB   Plugged and Abandoned
    BM   Brine Mining
    TA   Temporarily Abandoned
    SH   Shut-In
    SD   Sealed
    PF   PF Well
    IN   Injection
    GJ   Gas Storage Injection
    GW   Gas Storage Withdrawal
    GL   Gas Storage in a Salt Formation
    WS   Water Supply
    GT   Geothermal Well
    OB   Observation Well
    LU   Lease use Well
    DW   Domestic Well
    PP   Partial Plug
    TR   Training Well
    SM   Shut-In Multiple Completion
    ZZ   Well Not Eligible for Allowable
    SS   Shut-in with G-1 pending pipeline connection
    SU   Shut-in with no pipeline connection
    DI   Disposal
    AI   Air injection
    GI   Gas injection
    WI   Water injection
    ST   Steam injection
    CO   CO2 injection
    LP   LPG storage
    GS   Gas storage

```
------------------
LDGSDATA-14B2-CODE  (from wlgrptcy segment)
------------------
This data item indicates whether the well has a 14(b)(2) extension and,
if so, the status.  Statewide rule 14(b)(2) requires that all wells
be plugged when they are no longer producing.

    CODE                    EXCEPTION

    0      No exception to SWR 14(B)(2) has been granted
    1      Extension to SWR 14(B)(2) is in effect
    4      Extension to SWR 14(B)(2) denied
    5      Extension to SWR 14(B)(2) denied due to H-15 violation

    ------------------------------
    EXCEPTION TO 14 (B)(2) (EXC-14B) (from GASMASTER)
    ------------------------------
     -- this rrcid level code is not cyclical on the gas master
     -- for historical years 1993 - 1998 this yearly code is
     -- used to populate each of the cycles for that year on
     -- LDGSDATA segment

THIS DATA ITEM INDICATES WHY A WELL WHICH IS NOT ASSIGNED AN
ALLOWABLE HAS NOT BEEN PLUGGED. THE DATA ITEM MAY INDICATE THE
STATUS OF A WELL'S APPLICATION FOR EXCEPTION TO STATEWIDE RULE
14(B)(2), WHICH REQUIRES THAT ALL WELLS IN THE STATE OF TEXAS BE
PLUGGED UPON ABANDONMENT.  OR IT MAY INDICATE THAT THE WELL
FALLS INTO ANOTHER CATEGORY WHICH PROVIDES AN EXPLANATION OF WHY
THE WELL HAS NOT BEEN PLUGGED.

0  NO EXCEPTION TO SWR 14(B)(2) GRANTED
1  EXCEPTION TO SWR 14(B)(2) EXPIRES
2  NOTICE OF 14(B)(2) VIOLATION MAILED
3  LETTER OF INTENT TO PLUG AND ABANDON FILED
4  EXCEPTION TO SWR 14(B)(2) DENIED
5  FIELD INSPECTION REQUESTED
6  SET FOR 14 (B)(2) OR PLUG HEARING
7  PLUG ORDER ISSUED
8  FILE SENT TO ATTORNEY GENERAL'S OFFICE
9  AUTHORIZED FOR PLUGGING WITH STATE FUNDS
A  MONTHLY WELL STATUS REPORT BEING FILED ON ACTIVE SECONDARY
        RECOVERY PROJECT
B  INACTIVE SIDE OF A MULTIPLE COMPLETION
C  PENDING WATERFLOOD RESPONSE
L  14B2 LEGAL RESTRICTION
U  14B2 UIC RESTRICTION
P  PARTIALLY PLUGGED WELL

    NOTE:  EFFECTIVE IN MARCH 1990, THE GAS MASTER EXCEPTION
           TO 14(B)(2) CODES WILL BE REVISED.  ONLY CODES 0, 1,
           4, B, L, U AND P WILL BE USED.  CODE L AND U ARE NEW
           CODES THAT PREVENT A WELL BEING GRANTED A 14(B)(2)
           EXTENTION.  IF A EXTENTION HAS BEEN APPLIED FOR, THIS
           CODE WILL PRINT ON THE GAS SCHEDULE, OTHERWISE UPDATEING
           THIS CODE WILL NOT CHANGE THE STATUS OF THE WELL AND WILL
```

NOT PRINT ON THE GAS SCHEDULE.

```
-----------------------
LDGSDATA-ALLOWABLE-CODE
-----------------------
```

Indicates the type of allowable assigned to the well for the
cycle. The codes are interpreted in the code list located in
appendix "A".

```
----------------------------
LDGSDATA-TOP-SCHED-ALLOWABLE
----------------------------
```

This data item contains the maximum gas allowable that could be
assigned by the gas calculate program. Note: This top amount
may not be accompanied by an allowable code. Gas schedule may
have an allowable code other than a limited allowable code
(EX: B, S, D, X, T).

```
----------------------------
LDGSDATA-REVISED-ALLOW-CODE
----------------------------
```

This numeric data item is a positive figure that contains the maximum
amount of gas the well is allowed to produce for the cycle. The
total allowable amount for the cycle consists of the daily allowable
times calendar days in the cycle. This amount represents one of three
categories of allowables: assigned, adjusted, and administrative.
These are described below. The allowable is measured in MCF.

```
-----------------------
LDGSDATA-COMMINGLED-FLAG
-----------------------
```
Set to 'y' if Lease is permitted to commingled liquids and has an
active permit.

```
------------------
LDGSDATA-PRODUCTION
-------------------
```
This numeric data item contains the positive amount of gas in MCF
produced from the well for the cycle as was reported by the
operator on the Form P-2 (Producer's Monthly Report of Gas Wells).

```
----------------------------
LDGSDATA-G9-INJECTION-AMOUNT
----------------------------
```
This data item contains the credit given for gas injection into the
well for the month. It is keyed from the Form G-9. Various programs
of gas injection may be initiated by an operator for the purpose of
secondary or tertiary recovery, or to maintain the pressure in the
reservoir necessary to remove oil (thus prolonging the productive
life of the reservoir). The amount is given in MCF.

```
------------------------------
LDGSDATA-GAS-LIFT-GAS-INJECTED
------------------------------
```
This numeric data item contains the positive amount of gas in MCF
that was injected into the gas well for the purpose of enhancing
production.

LDGSDATA-MONTHLY-STATUS

In a non-prorated field, this numeric amount should be either zeros
or a positive figure which represents overproduction. Otherwise,
a positive, negative, or zero figure (overproduced, underproduced,
or balanced) will exist. The LDGSDATA-CUMU-STATUS amount
includes the production, allowable, etc., from this cycle. The
cumulative gas cycle status for a well in any type of field EXCEPT
PRORATED will be equal to or greater than zeros. Wells with special
allowables in PRORATED fields are the exception to the exception
and will only accumulate overproduction.

The LDGSDATA-CUMU-STATUS is created by adding this cycle's gas
status to the previous cycle's LDGSDATA-CUMU-STATUS. If the
cumulative gas cycle status from the previous cycle is greater than
zeros, this cycle's gas status, whether positive or negative, will
be added to it. If the result of adding the cycle's gas status to
the previous cycle's cumulative gas status is negative, this cycle's
cumulative gas cycle status will be zeros. UNDERAGE is NOT
accumulated.

The cycle gas status, the status for this cycle only, is calculated
by subtracting the injection credit (LDGSDATA-G9-INJECTION-AMOUNT) from
the production (LDGSDATA-PROD from the LDGSDATAGPROD segment) and then
subtracting the allowable (LDGSDATA-BALANCING-ALLOW-AMT). This calcu-
lation is performed for wells in every field type EXCEPT LIQUID LIMIT.

The cycle gas status also includes the transfer of overage from a
workover or reclass (LDGSDATA-OVERAGE-TRANSFER) and reinstated underage
(LDGSDATA-REINSTATED-UNDG-AMOUNT from the LDGSDATAGREIN SEGMENT). The
LDGSDATA-CUMU-CYCLE-STATUS amount for February and August does NOT
include reinstated underage. Reinstated underage can only be used in
a prorated field.

The cycle gas status for a well in a liquid limit field is created by
subtracting the injection credit (LDGSDATA-G9-INJECTION-AMOUNT) from the
production (LDGSDATA-PROD from the LDGSDATAGPROD segment). A gas allowable
DOES NOT exist for a well in a liquid limit field.

The LDGSDATA-CUMU-CYCLE-STATUS in a prorated field can be either
positive or negative. The LDGSDATA-BALANCING-ALLOW-CODE data item
value determines whether cycle gas status underage can be
accumulated. A value of '@,' 'L,' '#,' or 'R' means that underage
from this cycle can be used to reduce overage from the previous gas
cycle, but the final result cannot be negative (underproduced).
Otherwise, the cycle gas status will be added without regard to the
sign of the result.

LDGSDATA-BALANCING-ALLOW-AMT

This numeric value is the gas or liquid allowable that is in
effect for the cycle. It originates from the WELL REPORTING CYCLE
segment on the Well Database and is the equivalent of the data

item WL-GAS-ALLOWABLE-CYCLE-AMT.

For fields other than liquid limit, there are three possible
allowables: assigned, adjusted, and administrative. The assigned
allowable is created by the monthly and nightly calculate
programs. It can be overridden by the adjusted allowable which is
the result of gas balancing in a field that has balancing rules.
The administrative allowable, which is entered directly into the
system by the gas proration analyst, takes precedence over the
other two types of allowables.

In a liquid limit field, the allowable is derived from the liquid
allowable amount assigned to the well plus or minus any transfers
to or from the special allowable.

This data item is called a "balancing" allowable because it is
programmatically compared to the production to get the cycle gas
status.

LDGSDATA-REINSTATED-UNDERAGE-DATE

This data item identifies the date the underage was reinstated and
is the key to the segment. If the cycle includes more than one
month (bi-monthly reporting, quarterly reporting, etc.), the date
key will be the year and month of the first month in the cycle.
Format is YYYY/MM.

LDGSDATA-REINSTATED-UNDERAGE

This is a positive numeric amount that represents the gas underage
that was reinstated as of the year and month found in the previous
data item.

LDGSDATA-OVERAGE-TRANSFER

This numeric amount is a positive figure that represents the amount
of gas overproduction that the well incurred prior to being worked
over or reclassed.

```
--------------------------
LDGSDATA-CUMULATIVE-OVERAGE
--------------------------
```

This numeric amount is a positive figure that represents the amount
of gas overproduction that has accumulated beginning with the first
cycle of this cycle's balancing period up to and including this
cycle. This data item will be active or in effect during this cycle
if the well is in a prorated field or a field that has "regular"
balancing during this cycle.

If the amount is equal to +999999999, this means that underage has
been voluntarily cancelled sometime during the balancing period. At
the end of the balancing period a check is made to see if any
underage should automatically be cancelled, referred to as "computer
cancelled." This is done by checking the status at the beginning of
the balancing period. If it is negative, the overage accumulated
during the balancing period is compared to the negative beginning
balancing status. The negative status is temporarily made positive
and compared to the balancing period cumulative overage. If the
cumulative overage is equal to or greater than the negative (made
positive for comparative purposes only) beginning balancing period
status, no cancelled underage will occur. If the cumulative overage
is less than the negative (made positive for comparative purposes
only) beginning balancing period status, the difference between the
two figures will be the cancelled underage, stored on the LDGSDATAGSTAT
segment.

This "computer cancelled" underage comparative process will be
nullified by the LDGSDATA-CANCEL-UNDERAGE-FLAG being set to a value of
'Y' or 'B' on any cycle during the balancing period. The
nullification is accomplished by the cumulative overage figure being
set to +999999999.

```
--------------------------
LDGSDATA-CANCEL-UNDERAGE-FLAG
--------------------------
```

This flag is used for balancing purposes only and determines what
value to use when determining the gas cumulative status
(LDGSDATA-CUMU-CYCLE-STATUS) for the next cycle.
     N   No cancel underage
     Y   Cancel underage
     A   Cancel after automatic cancellation (only Feb & Aug)
     B   Cancel before automatic cancellation (only Feb & Aug)

When balancing a given cycle, the ending balance of the previous
cycle is used as the beginning status. The LDGSDATA-CANCEL-UNDERAGE-
FLAG in the previous cycle determines whether the actual previous
cycle ending status value (LDGSDATA-CUMU-CYCLE-STATUS) or zeros will be
used as the beginning status for the cycle where a gas cumulative
status is being developed.

If the flag in the previous cycle is set to a 'Y' and the LDGSDATA-CUMU-
CYCLE-STATUS of the previous cycle is negative or underproduced, the
balancing routine uses ZEROS instead of the LDGSDATA-CUMU-CYCLE-STATUS
amount. The value of LDGSDATA-CUMU-CYCLE-STATUS in the previous cycle

is not changed or altered.

These flag values will determine what will be cancelled automatically
by the cancelled underage routine in the nightly balancing process.
The cancelled underage routine is only performed when the cycle
date is either February or August. So, if the underage is cancelled
voluntarily effective the end of one of these months, the LDGSDATA-
CANCEL-UNDERAGE-FLAG value will be "A" or "B". If the underage is
cancelled voluntarily effective the end of any other month, the
LDGSDATA-CANCEL-UNDERAGE-FLAG value will be a "Y".

The value of 'A' means that any underage remaining AFTER the automatic
cancellation of underage occurs will be cancelled voluntarily. It
is possible for the LDGSDATA-CANCELLED-UNDERAGE amount on the PDGSTAT
segment to not be equal to zeros. If the LDGSDATA-CUMU-CYCLE-STATU S
in the parent segment is negative (underproduced), the difference,
if negative still, between the LDGSDATA-CANCELLED-UNDERAGE and the
LDGSDATA-CUMU-CYCLE-STATUS amounts will be considered as underage
that is cancelled voluntarily.

On the other hand, a value of 'B' means that any underage that exists
BEFORE the automatic cancellation of underage will be cancelled
voluntarily. The LDGSDATA-CANCELLED-UNDERAGE amount on the LDGSDATAGSTAT
segment should be zeros. If the LDGSDATA-CUMU-CYCLE-STATUS in the
parent segment is negative (underproduced), it will be considered
as underage that is cancelled voluntarily.

LDGSDATA-LIQUID-CUMU-CYCLE-STATUS

This amount is a cumulative total which is used for wells in liquid
limit fields only. It is the result of adding the plant liquid to
the lease liquid and then subtracting the allowable. This is then added
to the beginning liquid status.

LDGSDATA-G9-PLANT-LIQUID

The amount of liquid produced that is allocated to the well as reported
by the operator on the Form G-9. Plant liquid is the condensate that
is allocated to a gas well that has produced full well stream into a
pipeline. The gas and condensate are separated and metered at the
plant and an amount is allocated to the production of each well
producing into the pipeline. The amount is given in barrels (BBLS).

LDGSDATA-G9-INJECTION-CREDIT-CODE

This code is associated with the LDGSDATA-G9-INJECTION-AMOUNT. It
indicates the type of injection credit given for gas injected for
secondary or tertiary recovery or pressure maintenance in the
reservoir.

    0   No injection credit
    1   Injection credit

```
     2      Gas lift credit
     3      Bank balance (gas wells injection credit used to create
            a "bank balance" for oil wells)
```

LDGSDATA-COND-LIMIT

(Data item is not used)

LDGSDATA-COND-PLANT-PRODUCTION

The amount of liquids produced and separated at the well location
as reported by the operator. The amount is given in basic
barrels.

LDGSDATA-COND-LEASE-PRODUCTION

The amount of liquids produced and separated at the well location
as reported by the operator. The amount is given in basic
barrels.

LDGSDATA-COND-EOM-BALANCE

This numeric amount is a positive amount that represents the amount
of condensate that is available for movement off lease. This is
also called "stock on hand." It is computed by adding the condensate
ending balance from the previous cycle to the condensate produced
and subtracting the total of all of the liquid dispositions.

LDGSDATA-CANCEL-UNDERAGE-FLAG

This flag is used for balancing purposes only and determines what
value to use when determining the gas cumulative status
(LDGSDATA-CUMU-CYCLE-STATUS) for the next cycle.
     N   No cancel underage
     Y   Cancel underage
     A   Cancel after automatic cancellation (only Feb & Aug)
     B   Cancel before automatic cancellation (only Feb & Aug)

When balancing a given cycle, the ending balance of the previous
cycle is used as the beginning status. The LDGSDATA-CANCEL-UNDERAGE-
FLAG in the previous cycle determines whether the actual previous
cycle ending status value (LDGSDATA-CUMU-CYCLE-STATUS) or zeros will be
used as the beginning status for the cycle where a gas cumulative
status is being developed.

If the flag in the previous cycle is set to a 'Y' and the LDGSDATA-CUMU-
CYCLE-STATUS of the previous cycle is negative or underproduced, the

balancing routine uses ZEROS instead of the LDGSDATA-CUMU-CYCLE-STATUS
amount. The value of LDGSDATA-CUMU-CYCLE-STATUS in the previous cycle
is not changed or altered.

These flag values will determine what will be cancelled automatically
by the cancelled underage routine in the nightly balancing process.
The cancelled underage routine is only performed when the cycle
date is either February or August. So, if the underage is cancelled
voluntarily effective the end of one of these months, the LDGSDATA-
CANCEL-UNDERAGE-FLAG value will be "A" or "B". If the underage is
cancelled voluntarily effective the end of any other month, the
LDGSDATA-CANCEL-UNDERAGE-FLAG value will be a "Y".

The value of 'A' means that any underage remaining AFTER the automatic
cancellation of underage occurs will be cancelled voluntarily. It
is possible for the LDGSDATA-CANCELLED-UNDERAGE amount on the PDGSTAT
segment to not be equal to zeros. If the LDGSDATA-CUMU-CYCLE-STATU S
in the parent segment is negative (underproduced), the difference,
if negative still, between the LDGSDATA-CANCELLED-UNDERAGE and the
LDGSDATA-CUMU-CYCLE-STATUS amounts will be considered as underage
that is cancelled voluntarily.

On the other hand, a value of 'B' means that any underage that exists
BEFORE the automatic cancellation of underage will be cancelled
voluntarily. The LDGSDATA-CANCELLED-UNDERAGE amount on the LDGSDATAGSTAT
segment should be zeros. If the LDGSDATA-CUMU-CYCLE-STATUS in the
parent segment is negative (underproduced), it will be considered
as underage that is cancelled voluntarily.

LDGSDATA-COND-EOM-BALANCE

 From pd-cond-ending-balance.

This numeric amount is a positive amount that represents the amount
of condensate that is available for movement off lease. This is
also called "stock on hand." It is computed by adding the condensate
ending balance from the previous cycle to the condensate produced
and subtracting the total of all of the liquid dispositions.

LDGSDATA-CUMULATIVE-OVERAGE

 From pd-gas-cumulative-overage

This numeric amount is a positive figure that represents the amount
of gas overproduction that has accumulated beginning with the first
cycle of this cycle's balancing period up to and including this
cycle. This data item will be active or in effect during this cycle
if the well is in a prorated field or a field that has "regular"
balancing during this cycle.

If the amount is equal to +999999999, this means that underage has

been voluntarily cancelled sometime during the balancing period. At
the end of the balancing period a check is made to see if any
underage should automatically be cancelled, referred to as "computer
cancelled." This is done by checking the status at the beginning of
the balancing period. If it is negative, the overage accumulated
during the balancing period is compared to the negative beginning
balancing status. The negative status is temporarily made positive
and compared to the balancing period cumulative overage. If the
cumulative overage is equal to or greater than the negative (made
positive for comparative purposes only) beginning balancing period
status, no cancelled underage will occur. If the cumulative overage
is less than the negative (made positive for comparative purposes
only) beginning balancing period status, the difference between the
two figures will be the cancelled underage, stored on the PDGSTAT
segment.

This "computer cancelled" underage comparative process will be
nullified by the PD-GAS-CANCEL-UNDERAGE-FLAG being set to a value of
'Y' or 'B' on any cycle during the balancing period. The
nullification is accomplished by the cumulative overage figure being
set to +999999999.


```
--------------------------
LDGSDATA-LIQUID-CUMU-STATUS
--------------------------
 From pd-liquid-cumu-cycle-status
```

This amount is a cumulative total which is used for wells in liquid
limit fields only. It is the result of adding the plant liquid to
the lease liquid and then subtracting the allowable. This is then added
to the beginning liquid status.


```
 ----------------------
 LDGSDATA-DRY-GAS-AMOUNT    (EFF 02/11/2005)
 ----------------------
  From pd-gas-dry-gas-amount
```

 This numeric data item contains the positive amount of gas is MCF
 produced from the well excluding the liquids for the cycle as
 was reported by the operator on the Producer's Monthly Report
 of Gas Wells. This volume is multiplied by the Separation
 Extraction Loss Factor (below) to arrive at the 'Wet Gas Volume'.
 The 'Wet Gas Volume' is used by the RRC in all allowable
 Calculations.

```
----------------------------
LDGSDATA-EXTRACT-LOSS-FACTOR  (EFF 02/11/2005)
----------------------------
 From pd-gas-extract-loss-factor
```

This numeric data item is a positive number extending three
places to the right of the decimal. This number reflects
shrinkage of gas volume when condensate is extracted from
gas well gas by lease separation methods. This factor is used
to calculate the actual gas production for a gas well.

```
*****************************************************************
* LDW700C1                                                      *
*           THIS COPY IS USED FOR THE PRODUCTION DATABASE       *
*                   GAS DISPOSITION SEGMENT                     *
*                                                               *
*                                                               *
* SEGMENT NAME:  LDGASDSP          RECORD LENGTH: 7 BYTES       *
*---------------------------------------------------------------*
* VARIABLE                    *      TYPE       *   SSA         *
* NAME                        *                 *   NAME        *
*---------------------------------------------------------------*
* LDG-GAS-DISP-CODE           *   KEY           *  LDGDSPKY     *
*****************************************************************
  01   RAILROAD-COMMISSION-TAPE-REC.                              POS.
       02  RRC-TAPE-RECORD-ID                        PIC X(02). 1
       02  LDG-GAS-DISPOSITION-INFO.
           03   LDG-GAS-DISP-CODE            PIC 99  VALUE ZEROS.    3
                88  LDG-GAS-DISP-LS-FUEL              VALUE 1.
                88  LDG-GAS-DISP-PIPELINE             VALUE 2.
                88  LDG-GAS-DISP-PROC-PLANT           VALUE 3.
                88  LDG-GAS-DISP-VENT-FLARE           VALUE 4.
                88  LDG-GAS-DISP-GAS-LIFT             VALUE 5.
                88  LDG-GAS-DISP-REPRESSURE           VALUE 6.
                88  LDG-GAS-DISP-CARBON-BLACK         VALUE 7.
                88  LDG-GAS-DISP-UNDERGROUND-STORE    VALUE 8.
                88  LDG-GAS-DISP-SEP-EXTRACT-LOSS     VALUE 9.
                88  LDG-GAS-DISP-NO-CODE              VALUE 99.
           03   LDG-GAS-DISP-AMT            PIC S9(09)  COMP-3       5
                                                     VALUE ZEROS.
       02   RRC-TAPE-FILLER                         PIC X(0151). 10
```

```
******************************************************************
* LDW700C1                                                       *
*                                                                *
*          THIS COPY IS USED FOR THE HISTORICAL LEDGER           *
*             DATA BASE GAS DISPOSITION SEGMENT                  *
*                                                                *
* SEGMENT NAME:  LDGASDSP                                        *
******************************************************************
```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC)
Historical Ledger 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    Gas Disposition Segment
```

LDG-GAS-DISP-CODE

This data item is an audit device. It serves to identify in
detail how gas well gas production is disposed of. These codes
and their associated volumes are used as a tracking mechanism.

    1   Lease and Field Fuel Systems (LDG-GAS-DISP-LS-FUEL)
         Gas well gas used, sold, or given to others for field
         operations, lease drilling fuel, or compressor fuel.

    2   Transmission Line (LDG-GAS-DISP-PIPELINE)
         Gas well gas delivered to a transmission line, as well as
         gas used for industrial purposes, irrigation or refinery
         fuel, etc.

    3   Processing Plant (LDG-GAS-DISP-PROC-PLANT)
         Gas well gas delivered to a gas processing plant or
         facility, as reported on Form R-3.

    4   Vented or Flared (LDG-GAS-DISP-VENT-FLARE)
         Gas well gas vented or flared.

    5   Gas Lift (LDG-GAS-DISP-GAS-LIFT)
         Gas used, given, or sold for gas lift. It does not
         include gas delivered to pressure maintenance or
         processing plants, even though the gas may be used for
         gas lift.

    6   Repressure & Pressure Maint. (LDG-GAS-DISP-REPRESSURE)
         Gas delivered to a system that does not extract hydro-
         carbon liquids. A pressure maintenance plant or system
         that recovers liquid hydrocarbons reports as a gas
         processing plant on Form R-3.

7   Carbon Black (LDG-GAS-DISP-CARBON-BLACK)
        Gas delivered to a gas carbon black plant.

8   Underground Storage (LDG-GAS-DISP-UNDERGROUND-STORE)
        Gas delivered to an underground storage reservoir.

9   Well Separation Extraction Loss (LDG-GAS-DISP-SEP-
        EXTRACT-LOSS)
        The loss (or shrinkage) of gas volume due to the
        extraction of condensate from gas well gas by lease
        separation methods. When a gas well produces full well
        stream, the gas equivalent volume of the condensate is
        reported here as gas production in order to be charged
        against the gas allowable.

99   No Code (LDG-GAS-DISP-NO-CODE)
        Indicates that an amount was reported without a
        disposition code.

LDG-GAS-DISP-AMT

This numeric amount has a positive value and represents the MCF
amount of gas disposed of in the above manner.

```
*****************************************************************
* LDW700E1                                                      *
*     THIS COPY IS USED FOR THE LEDGER DATABASE                 *
*     GAS CONDENSATE DISPOSITION AND STOCK ADJUSTMENT SEGMENT   *
*                                                               *
*                                                               *
* SEGMENT NAME:  LDGCONDS           RECORD LENGTH: 7 BYTES      *
*---------------------------------------------------------------*
* VARIABLE                  *      TYPE      *    SSA           *
* NAME                      *                *    NAME          *
*---------------------------------------------------------------*
* LDG-CONDS-DISP-CODE       *   KEY          *   LDCDSPKY       *
*--------------------------------------------------------------- *
* NOTE: LDG-CONDS-STOCK-ADJUSTMENT CAN BE A NEGATIVE AMOUNT.    *
*****************************************************************
 01  RAILROAD-COMMISSION-TAPE-REC.                              POS.
     02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
     02  LDG-CONDS-DISPOSITION-INFO.
         03  LDG-CONDS-DISP-CODE       PIC 99   VALUE ZEROS.    3
             88  LDG-CONDS-DISP-PIPELINE          VALUE 0.
             88  LDG-CONDS-DISP-TRUCK             VALUE 1.
             88  LDG-CONDS-DISP-TANKCAR-BARGE     VALUE 2.
             88  LDG-CONDS-DISP-TANK-CLEANING     VALUE 3.
             88  LDG-CONDS-DISP-CIRC-OIL          VALUE 4.
             88  LDG-CONDS-DISP-LOST              VALUE 5.
             88  LDG-CONDS-DISP-SEDIMENTATION     VALUE 6.
             88  LDG-CONDS-DISP-OTHER             VALUE 7.
             88  LDG-CONDS-DISP-SKIM-OIL          VALUE 8.
             88  LDG-CONDS-DISP-SCRUBBER          VALUE 9.
             88  LDG-CONDS-STOCK-ADJUSTMENT       VALUE 10.
             88  LDG-CONDS-DISP-NO-CODE           VALUE 99.
         03  LDG-CONDS-DISP-AMT        PIC S9(09)  COMP-3       5
                                                VALUE ZEROS.
     02  RRC-TAPE-FILLER                         PIC X(0151). 10
```

```
*****************************************************************
* LDW700E1                                                      *
*                                                               *
*      THIS COPY IS USED FOR THE HISTORICAL LEDGER DATA BASE'S  *
*      GAS CONDENSATE DISPOSITION AND STOCK ADJUSTMENT SEGMENT  *
*                                                               *
* SEGMENT NAME:  LDGCONDS                                       *
*****************************************************************
```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC)
Historical Ledger 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    Gas Condensate Disposition & Stock Adjustment Segment
```

LDG-COND-DISP-CODE

This data item is an audit device. It serves to identify in
detail how condensate production is disposed of. These codes and
their associated volumes are used as a tracking mechanism.

    0   Pipeline (LDG-COND-DISP-PIPELINE)
         The direct removal of condensate by an authorized
         pipeline gatherer. The volume is compared to that shown
         by the transporter on Form T-1.

    1   Truck (LDG-COND-DISP-TRUCK)
         The direct removal of condensate by an authorized truck
         gatherer. The volume is compared to that shown by the
         transporter on Form T-1.

    2   Tank Car or Barge (LDG-COND-DISP-TANKCAR-BARGE)
         The direct removal of condensate by an authorized tank
         car or barge gatherer. The volume is compared to that
         shown by the transporter on Form T-1.

    3   Net Cond. Tank Cleaning (LDG-COND-DISP-TANK-CLEANING)
         An adjustment to and/or lease use of production already
         measured by the operator. Specifically, net condensate
         is a volume that results from a tank cleaning. The
         volume is compared to that shown by the authorized
         cleaner on Form P-9.

4   Circulating Oil (LDG-COND-DISP-CIRC-OIL)
     Original movement off the lease. The operator of the
     well has measured and released the stated volume to the
     operator of another well for use as frac liquid on the
     second lease. The operator of the first well must also
     file an explanatory letter.

5   Lost (LDG-COND-DISP-LOST)
     Any loss of liquid hydrocarbons due to a spill. When
     there is a spill of any volume with a resulting loss of
     5 or more barrels of condensate, or when the spill
     affects a body of water, a Form H-8 must also be filed.
     This is condensate which has already been measured as
     production by the producing operator and so will only be
     shown as a disposition.

6   Sedimentation (LDG-COND-DISP-SEDIMENTATION)
     It indicates an adjustment to and/or lease use of production
     already measured by the well operator. Specifically,
     BS&W (basic sediment and water) is a volume that results
     from a tank cleaning. The volume is compared to that shown
     by the authorized cleaner on Form P-9.

7   Other (LDG-COND-DISP-OTHER)
     A catch-all involving stock adjustments, water bleed-off,
     lease use, road oil, and theft. The material has
     already been measured as production by the producing
     operator and so will only be shown as a disposition;
     therefore, there is no allocation back to the gas well.

8   Skim Oil (LDG-COND-DISP-SKIM-OIL)
     Accounts for indirect disposition of production as
     measured by others (i.e., by allocation). It relates to
     production that has not been measured by the producer
     because it left the lease entrained in saltwater going
     to a saltwater gathering system. Since there is no way
     of knowing what volume of liquid hydrocarbons came from
     a particular producing property, liquid hydrocarbons
     above a specified tolerance level are allocated back to
     producing properties in proportion to the amount of
     saltwater that came from each property. The volume is
     compared to that shown on Form P-18.

9   Scrubber Oil (LDG-COND-DISP-SCRUBBER)
     Accounts for indirect disposition of production as
     measured by others (i.e., by allocation). It relates to
     production that has not been measured by the producer
     because it left the lease entrained in gas well gas
     going to a gas processing plant. Since there is no way
     of knowing what volume of liquid hydrocarbons came from
     a particular producing property, liquid hydrocarbons
     above a specified tolerance level are allocated back to
     producing properties in proportion to the amount of gas
     well gas that came from each property. The volume is
     compared to that shown on Form R-3.

10   Stock Adjustment (LDG-COND-STOCK-ADJUSTMENT)
     Code used by ADP only to adjust stock on hand. Because
     of the formula used to calculate stock on hand each
     month, a negative amount in LDG-COND-DISP-AMT indicates
     adding stock on hand to the gas well, while a positive
     amount indicates subtracting stock on hand. This code
     is commonly used for lease consolidations, subdivisions,
     etc.

99   No Code (LDG-COND-DISP-NO-CODE)
     Indicates that an amount was reported without a
     disposition code.

LDG-COND-DISP-AMT

This numeric amount has a positive value and represents the number
of barrels of condensate disposed of in the above manner, except
for Code 10 amounts which may be negative (see above).

```
     ***************************************************************
     * LDW700F1                                                    *
     *      THIS COPY IS USED FOR THE HISTORICAL LEDGER DATABASE   *
     *            GAS BALANCING PERIOD SEGMENT                     *
     *                                                             *
     *                                                             *
     * SEGMENT NAME:  LDGSTAT          RECORD LENGTH: 20 BYTES     *
     *-------------------------------------------------------------*
     * VARIABLE                   *      TYPE      *   SSA         *
     * NAME                       *                *   NAME        *
     *-------------------------------------------------------------*
     *  NO KEY                    *                *               *
     ***************************************************************
      01  RAILROAD-COMMISSION-TAPE-REC.                        POS.
          02  RRC-TAPE-RECORD-ID                      PIC X(02). 1
          02  LD-GAS-BALANCING-PERIOD-INFO.
              05  LD-GAS-BALANCING-PERIOD-STATUS PIC S9(09) COMP-3    3
                                                 VALUE ZEROS.
              05  LD-GAS-CANCELLED-UNDERAGE      PIC S9(09) COMP-3    8
                                                 VALUE ZEROS.
              05  LD-GAS-OFF-FILE-BAL-PER-STATUS PIC S9(09) COMP-3   13
                                                 VALUE ZEROS.
              05  LD-GAS-OFF-FILE-CUM-OVERAGE    PIC S9(09) COMP-3   18
                                                 VALUE ZEROS.
          02  RRC-TAPE-FILLER                        PIC X(0138). 23
```

```
******************************************************************
* LDW700F1                                                       *
*                                                                *
*      THIS COPY IS USED FOR THE HISTORICAL LEDGER DATA BASE     *
*                 GAS BALANCING PERIOD SEGMENT                   *
*                                                                *
* SEGMENT NAME:  LDGSTAT                                         *
******************************************************************
```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC)
Historical Ledger 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   Gas Balancing Period Segment

LD-GAS-BALANCING-PERIOD-STATUS

This numeric value is the amount of gas underage, a negative
amount, or the amount of gas overage, a positive amount,
accumulated since the last balancing period status date.

LD-GAS-CANCELLED-UNDERAGE

This numeric value is the amount of gas underage from the previous
balancing period that was not used during this balancing period
(the balancing period that this segment represents).

Note: Gas balancing requires the ability to know what was once on
      the GAS REPORTING CYCLE segment, the GAS BALANCING PERIOD
      segment, and the GAS REINSTATED UNDERAGE segment. The
      oldest cycle segment data is significant because it contains
      the gas balancing information that is needed. The segment
      is rolled off or removed at the end of each cycle. The "off
      file" data items that follow represent the data item values
      as of just before the oldest cycle segment on the database.

LD-GAS-OFF-FILE-BAL-PER-STATUS

The "off file" balancing period status is the equivalent of the
LD-GAS-BALANCING-PERIOD-STATUS figure above, but it represents the
status as of the most recent balancing period status date that is
not on file.

```
--------------------------
LD-GAS-OFF-FILE-CUM-OVERAGE
--------------------------
```
The cumulative overage is a numeric amount that is maintained on
the GAS REPORTING CYCLE segment. The "off file" cumulative
overage represents the overage accumulated up to and not including
the oldest cycle on the database.

```
****************************************************************
* LDW700G1                                                     *
*        THIS COPY IS USED FOR THE LEDGER DATABASE             *
*              LEDGER OIL LEASE CYCLE DATA SEGMENT             *
*                                                              *
*                                                              *
* SEGMENT NAME: LDOLDATA          RECORD LENGTH: 90 BYTES      *
*--------------------------------------------------------------*
* VARIABLE                  *        TYPE       *    SSA       *
* NAME                      *                   *    NAME      *
*--------------------------------------------------------------*
* LDOLDATA-CYCLE-KEY        *   KEY             *  LDOCYCKY    *
* LDOLDATA-OPERATOR-NUMBER  *   SEARCH          *  LDOPRNUM    *
* LDOLDATA-FIELD-NUMBER     *   SEARCH          *  LDOFLNUM    *
* LDOLDATA-O-FIELD-TYPE-CODE*   SEARCH          *  LDOFLTYP    *
*-------------------------------------------------------------- *
****************************************************************
  01   RAILROAD-COMMISSION-TAPE-REC.                               POS.
       02  RRC-TAPE-RECORD-ID                        PIC X(02). 1
       02  LDOLDATA-LEASE-CYCLE-DATA.
           05 LDOLDATA-CYCLE-KEY            PIC 9(04)   VALUE ZEROS. 3
           05 LDOLDATA-OPERATOR-NUMBER      PIC 9(06)   VALUE ZEROS. 7
           05 LDOLDATA-FIELD-NUMBER.
              07 LDOLDATA-FL-FIELD-NO       PIC 9(05)   VALUE ZEROS. 13
              07 LDOLDATA-FIELD-RESERVOIR-NO PIC 9(03)  VALUE ZEROS. 18
           05 LDOLDATA-OIL-TYPE-FIELD-CODE  PIC X(01)   VALUE SPACES. 21
           05 LDOLDATA-P1-FILED-FLAG        PIC X(01)   VALUE SPACES. 22
              88 LDOLDATA-P1-FILED                      VALUE 'Y'.
           05 LDOLDATA-CORRECTED-P1-FLAG    PIC X(01)   VALUE SPACES. 23
              88 LDOLDATA-CORRECTED-P1-FILED            VALUE 'Y'.
           05 LDOLDATA-FLOW-WELLS           PIC 9(03)   VALUE ZEROS. 24
           05 LDOLDATA-OTHER-WELLS          PIC 9(03)   VALUE ZEROS. 27
           05 LDOLDATA-COMMINGLED-FLAG      PIC X(01)   VALUE SPACES. 30
           05 LDOLDATA-ALLOWABLE            PIC S9(09)              31
                                            COMP-3      VALUE ZEROS.
           05 LDOLDATA-OIL-PRODUCTION       PIC S9(09)              36
                                            COMP-3      VALUE ZEROS.
           05 LDOLDATA-OIL-ENDING-BALANCE   PIC S9(09)              41
                                            COMP-3      VALUE ZEROS.
           05 LDOLDATA-OIL-PRESENT-STATUS   PIC S9(09)              46
                                            COMP-3      VALUE ZEROS.
           05 LDOLDATA-OIL-MOVABLE-BALANCE  PIC S9(09)              51
                                            COMP-3      VALUE ZEROS.
           05 LDOLDATA-CSGHD-LIMIT          PIC S9(09)              56
                                            COMP-3      VALUE ZEROS.
           05 LDOLDATA-CSGHD-PRODUCTION     PIC S9(09)              61
                                            COMP-3      VALUE ZEROS.
           05 LDOLDATA-CSGHD-LIFT           PIC S9(09)              66
                                            COMP-3      VALUE ZEROS.
           05 LDOLDATA-CSGHD-STATUS         PIC S9(09)              71
                                            COMP-3      VALUE ZEROS.
           05 FILLER                        PIC X(17)   VALUE ZEROS. 76
       02   RRC-TAPE-FILLER                             PIC X(0068). 93
```

```
*******************************************************************
* LDW700G1                                                        *
*                                                                 *
*     THIS COPY IS USED FOR THE HISTORICAL LEDGER DATA BASE'S     *
*                  OIL LEASE CYCLE DATA                           *
*                                                                 *
* SEGMENT NAME: LDOLDATA                                          *
*******************************************************************
```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC)
Historical Ledger 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    Oil Lease Cycle Data Segment
```

LDOLDATA-CYCLE-KEY

This numeric value represents the period of time (in MMYY format)
for which the following information applies. The oldest date on
the database is January 1993 which is Cycle Key 9927. Subtracting
1 from the cycle key adds a month to the Date. 9926 = Feb 1993; etc.

LDOLDATA-OPERATOR-NUMBER

A six digit number representing the operator of the well for this
particular cycle date.

LDOLDATA-FIELD-NUMBER

An eight digit number identifying the Field in which this well was
in for this particular cycle date.

LDOLDATA-TYPE-FIELD-CODE

This data item represents a classification given to oil
fields. This information is derived from the Field system.

```
    FL-REGULAR                          VALUE 'R'.
    FL-NPX                              VALUE 'N'.
    FL-RESERVOIR-MER                    VALUE 'M'.
    FL-INACTIVE                         VALUE 'I'.
    FL-SALT-DOME                        VALUE 'S'.
    FL-COUNTY-REGULAR-FIELD             VALUE 'C'.
```

```
----------------------
LDOLDATA-P1-FILED-FLAG
----------------------


This data item indicates whether or not a report was filed for
a cycle before the cycle rolled off the 24 month production data
base. This field is updated when a Form P1 is subsequently filed.
     N    No Form P1 filed
     Y    Yes Form P1 filed



--------------------------
LDOLDATA-CORRECTED-P1-FLAG
--------------------------
This data item indicates whether or not a report was filed for
a cycle after the cycle rolled off the 24 month production data
base.
     N    No Historical corrected report
     Y    Corrected Historical report



-------------------
LDOLDATA-FLOW-WELLS
-------------------


This data item is count a of flowing wells that were associated
with this lease, for a particular cycle, at the time this cycle
rolled off the 24 month production data base. This data item is
never updated on the Historical Ledger data base. A Flowing well
is a well that is producing (PR), with a flowing (F) method.


--------------------
LDOLDATA-OTHER-WELLS
--------------------


This data item is count a of flowing wells that were associated
with this lease, for a particular cycle, at the time this cycle
rolled off the 24 month production data base. This data item is
never updated on the Historical Ledger data base. Other wells
are wells that are producing (PR), with a method other than
flowing.


-----------------------
LDOLDATA-COMMINGLED-FLAG
-----------------------


This data item indicates whether the lease has an active
commingled permit to commingle liquids. This information is
derived from P4 and Commingled system data.
```

```
------------------
LDOLDATA-ALLOWABLE
------------------
This data item contains the sum of all oil well allowables for all
wells on the lease for the cycle.


-----------------------
LDOLDATA-OIL-PRODUCTION
-----------------------
This data item contains the barrels of oil produced from an oil
lease as reported by the operator on a production report.


--------------------------
LDOLDATA-OIL-ENDING-BALANCE
--------------------------
Amount of oil in storage on the lease at the end of the month
as reported by the operator on a production report.


--------------------------
LDOLDATA-OIL-PRESENT-STATUS
--------------------------
This data item contains the lease's cumulative amount of oil
overproduction through the last reported production.


-----------------------------
LDOLDATA-OIL-MOVABLE BALANCE
-----------------------------
Indicates the cumulative net amount of oil in storage which may be
legally moved off the lease for this cycle. (see LDROOT-OIL-
MOVABLE-BALANCE)  The amount of oil which is legal is determined
as follows:


    (A)  - The lease is overproduced -


         If the lease production is greater than the lease
         allowable, the lease is considered overproduced (see
         LDOLDATA-OIL-PRESENT-STATUS).  Until the overproduction
         is made up (goes to zero), the moveable balance will
         be the cumulative net result of the end of month closing
         stock for the most current production report minus
         the cumulative overproduction.  A negative amount
         indicates the lease is in violation of statewide rules.


    (B)  - The lease is not overproduced -


         The moveable balance will be the same figure as the end
         of month closing stock for the most current production
         report.


--------------------
LDOLDATA-CSGHD-LIMIT
--------------------
This data item contains the sum of all casinghead gas limits for
all wells on the lease for the cycle.
```

```
-------------------------
LDOLDATA-CSGHD-PRODUCTION
-------------------------
This data item contains the MCF of casinghead gas produced from an
oil lease as reported by the operator on a production report.


-------------------
LDOLDATA-CSGHD-LIFT
-------------------
This data item contains the amount of gas lift gas injected into
an oil lease.  The practice of injecting produced gas into the
bottom of the well is called gas lift.  Since the injected gas
will be "re-produced" along with the oil being produced from the
well, the amount of injected gas is subtracted from total
produced gas for an accurate gas production figure.  The disposition
amount will therefore be equal to the gas produced plus the gas
lift injected.


---------------------
LDOLDATA-CSGHD-STATUS
---------------------
This data item contains the lease's cumulative amount of casing-
head gas overproduction through the last reported production.
```

```
***************************************************************
* LDW700H1                                                    *
*         THIS COPY IS USED FOR THE LEDGER DATABASE           *
*          OIL DISPOSITION AND STOCK ADJUSTMENT SEGMENT       *
*                                                             *
*                                                             *
* SEGMENT NAME: LDOILDSP        RECORD LENGTH:  7 BYTES       *
*-------------------------------------------------------------*
* VARIABLE                      *        TYPE       *  SSA     *
* NAME                          *                   *  NAME    *
*-------------------------------------------------------------*
* LDG-OIL-DISPOSITION-CODE  *   KEY              *  LDODSPKY   *
*------------------------------------------------------------- *
*  NOTE:                                                       *
*     STOCK ADJUSTMENT MAY BE A NEGATIVE AMOUNT.               *
***************************************************************
  01  RAILROAD-COMMISSION-TAPE-REC.                              POS.
      02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
      02  LDG-OIL-DISPOSITION-SEG.
          03  LDG-OIL-DISPOSITION-CODE     PIC 99     VALUE ZEROS.   3
              88  LDG-OIL-DISP-PIPELINE               VALUE ZERO.
              88  LDG-OIL-DISP-TRUCK                  VALUE 1.
              88  LDG-OIL-DISP-TANK-OR-BARGE          VALUE 2.
              88  LDG-OIL-DISP-TANK-CLEANING-NET      VALUE 3.
              88  LDG-OIL-DISP-CIRCULATING-OIL        VALUE 4.
              88  LDG-OIL-DISP-LOST                   VALUE 5.
              88  LDG-OIL-DISP-TANK-CLEANING-BSW      VALUE 6.
              88  LDG-OIL-DISP-OTHER                  VALUE 7.
              88  LDG-OIL-DISP-SKIM-OIL               VALUE 8.
              88  LDG-OIL-DISP-SCRUBBER-OIL           VALUE 9.
              88  LDG-OIL-STOCK-ADJUSTMENT            VALUE 10.
              88  LDG-OIL-CMG-STOCK-ADJUSTMENT        VALUE 11.
              88  LDG-OIL-DISP-NO-CODE                VALUE 99.
          03  LDG-OIL-DISPOSITION-AMOUNT    PIC S9(09) COMP-3       5
                                                       VALUE ZEROS.
      02  RRC-TAPE-FILLER                              PIC X(0151). 10
```

```
******************************************************************
* LDW700H1                                                       *
*                                                                *
*      THIS COPY IS USED FOR THE HISTORICAL LEDGER DATABASE's    *
*      OIL DISPOSITION AND STOCK ADJUSTMENT SEGMENT              *
*                                                                *
* SEGMENT NAME:  LDOILDSP                                        *
******************************************************************
```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC)
Historical Ledger 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   Oil Disposition & Stock Adjustment Segment

LDG-OIL-DISPOSITION-CODE

This data item is a code used as an audit device. It serves to
identify in detail how oil production is disposed of.   These codes
and their associated volumes are used as a tracking mechanism.

    0   Pipeline (LDG-OIL-DISP-PIPELINE)
         The direct removal of oil by an authorized pipeline
         gatherer. The volume is compared to that shown by the
         transporter on Form T-1, Page 2.

    1   Truck (LDG-OIL-DISP-TRUCK)
         The direct removal of oil by an authorized truck
         gatherer. The volume is compared to that shown by the
         transporter on Form T-1, Page 2.

    2   Tank Car or Barge (LDG-OIL-DISP-TANK-OR-BARGE)
         The direct removal of oil by an authorized tank car or
         barge gatherer. The volume is compared to that shown
         by the transporter on Form T-1, Page 2.

    3   Oil Tank Cleaning (LDG-OIL-DISP-TANK-CLEANING-NET)
         An adjustment to and/or lease use of production
         already measured by the operator. Specifically, net
         oil is a volume that results from a tank cleaning.
         The volume is compared to that shown by the
         authorized cleaner on Form P-9.

4   Circulating Oil (LDG-OIL-DISP-CIRCULATING-OIL)
    Original movement off the lease. The operator of the
    well has measured and released the stated volume to the
    operator of another well for use as frac liquid on the
    second lease. The operator of the first well must also
    file an explanatory letter.

5   Lost (LDG-OIL-DISP-LOST)
    Any loss of liquid hydrocarbons due to a spill. When
    there is a spill of any volume with a resulting loss
    of 5 or more barrels of oil, or when the spill affects
    a body of water, a Form H-8 must also be filed. This
    is oil which has already been measured as production
    by the producing operator and so will only be shown as
    a disposition.

6   Sedimentation (LDG-OIL-DISP-TANK-CLEANING-BSW)
    It indicates an adjustment to and/or lease use of
    production already measured by the well operator.
    Specifically, BS&W (basic sediment and water) is a
    volume that results from a tank cleaning. The volume
    is compared to that shown by the authorized cleaner on
    Form P-9.

7   Other (LDG-OIL-DISP-OTHER)
    A catch-all involving stock adjustments, water
    bleed-off, lease use, road oil, and theft. The
    material has already been measured as production by the
    producing operator and so will only be shown as a
    disposition; therefore, there is no allocation back to
    the lease.

8   Skim Oil (LDG-OIL-DISP-SKIM-OIL)
    Accounts for indirect disposition of production as
    measured by others (i.e., by allocation). It relates
    to production that has not been measured by the
    producer because it left the lease entrained in
    saltwater going to a saltwater gathering system. Since
    there is no way of knowing what volume of liquid
    hydrocarbons came from a particular producing property,
    liquid hydrocarbons above a specified tolerance level
    are allocated back to producing properties in
    proportion to the amount of saltwater that came from
    that property. The volume is compared to that shown on
    Form P-18.

9   Scrubber Oil (LDG-OIL-DISP-SCRUBBER-OIL)
    Accounts for indirect disposition of production as
    measured by others (i.e., by allocation). It relates
    to production that has not been measured by the
    producer because it left the lease entrained in
    casinghead gas going to a gas processing plant. Since
    there is no way of knowing what volume of liquid
    hydrocarbons came from a particular producing property,
    liquid hydrocarbons above a specified tolerance level
    are allocated back to producing properties in
    proportion to the amount of casinghead gas that came
    from that property. The volume is compared to that
    shown on Form R-3.

10 Stock Adjustment (LDG-OIL-STOCK-ADJUSTMENT)
    Code used by A.D.P. only to adjust stock on hand.
    Because of the formula used to calculate stock on hand
    each month, a negative amount in LDG-OIL-DISP-AMT
    indicates adding stock on hand to the oil lease, while
    a positive amount indicates subtracting stock on hand.
    This code is commonly used for lease consolidations,
    subdivisions, etc.

99 No Code (LDG-OIL-DISP-NO-CODE)
    Indicates that an amount was reported without a
    disposition code.

LDG-OIL-DISPOSITION-AMOUNT

This numeric amount has a positive value and represents the number
of barrels of oil disposed of in the above manner, except for Code
10 amounts which may be negative (see above).

```
****************************************************************
* LDW700I1                                                     *
*        THIS COPY IS USED FOR THE LEDGER DATABASE             *
*             OIL CASINGHEAD DISPOSITION SEGMENT               *
*                                                              *
*                                                              *
* SEGMENT NAME:  LDOCSHDS        RECORD LENGTH:  7 BYTES       *
*--------------------------------------------------------------*
* VARIABLE                      *      TYPE       *  SSA       *
* NAME                          *                 *  NAME      *
*--------------------------------------------------------------*
* LDG-CSH-DISPOSITION-CODE  *   KEY            *  LDOCSHKY     *
****************************************************************
  01  RAILROAD-COMMISSION-TAPE-REC.                            POS.
      02  RRC-TAPE-RECORD-ID                    PIC X(02).  1
      02  LDG-CSH-DISPOSITION-SEG.
          03  LDG-CSH-DISPOSITION-CODE    PIC 99     VALUE ZEROS.  3
              88  LDG-CSH-DISP-LEASE-FUEL-SYSTEM    VALUE 1.
              88  LDG-CSH-DISP-TRANSMISSION-LINE    VALUE 2.
              88  LDG-CSH-DISP-PROCESSING-PLANT     VALUE 3.
              88  LDG-CSH-DISP-VENTED-OR-FLARED     VALUE 4.
              88  LDG-CSH-DISP-GAS-LIFT             VALUE 5.
              88  LDG-CSH-DISP-REPRESSURE           VALUE 6.
              88  LDG-CSH-DISP-CARBON-BLACK         VALUE 7.
              88  LDG-CSH-DISP-UNDERGRND-STORAGE    VALUE 8.
              88  LDG-CSH-DISP-NO-CODE              VALUE 99.
          03  LDG-CSH-DISPOSITION-AMOUNT    PIC S9(09)  COMP-3       5
                                                        VALUE ZEROS.
      02  RRC-TAPE-FILLER                          PIC X(0151). 10
```

```
*****************************************************************
* LDW700I1                                                      *
*                                                               *
*       THIS COPY IS USED FOR THE HISTORICAL LEDGER DATA BASE'S *
*            OIL CASINGHEAD GAS DISPOSITION SEGMENT             *
*                                                               *
* SEGMENT NAME: LDOCSHDS                                        *
*****************************************************************
```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC)
Historical Ledger 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   Oil Casinghead Disposition Segment

LDG-CSH-DISPOSITION-CODE

This data item is an audit device, serving to identify in detail
how casinghead gas production is disposed of. These codes and their
associated volumes are used as a tracking mechanism.

    1   Lease and Field Fuel Systems (LDG-CSH-DISP-LS-FUEL)
            It indicates casinghead gas used, sold, or given to
            others for field operations, lease drilling fuel,
            compressor fuel, etc.

    2   Transmission Line (LDG-CSH-DISP-TRANSMISSION-LINE)
            It indicates casinghead gas used for
            industrial purposes, irrigation or refinery fuel, etc.,
            as well as gas delivered to transmission lines.

    3   Processing Plant (LDG-CSH-DISP-PROCESSING-PLANT)
            It indicates casinghead gas delivered to a gas
            processing plant or facility, as reported on Form R-3.

    4   Vented or Flared (LDG-CSH-DISP-VENTED-OR-FLARED)
            It indicates the lease volume of casinghead gas vented
            or flared.

    5   Gas Lift (LDG-CSH-DISP-GAS-LIFT)
            It indicates the volume of gas used, given, or sold for
            gas lift. It does not include gas delivered to pressure
            maintenance or processing plants, even though the gas
            may be utilized for gas lift.

6   Repressure & Pressure Maint. (LDG-CSH-DISP-REPRESSURE)
        It indicates the gas delivered to a system that does not
        extract hydrocarbon liquids. A pressure maintenance
        plant or system that recovers liquid hydrocarbons
        reports as a gas processing plant on Form R-3.

    7   Carbon Black (LDG-CSH-DISP-CARBON-BLACK)
        It indicates only the gas delivered to a gas carbon
        black plant.

    8   Underground Storage (LDG-CSH-DISP-UNDERGRND-STORAGE)
        It indicates only the volume of gas actually delivered
        into the storage reservoir.

   99   No Code (LDG-CSH-DISP-NO-CODE)
        It indicates that an amount was reported without a
        disposition code.

LDG-CSH-DISPOSITION-AMOUNT

This data item contains the MCF of casinghead gas distributed, as
indicated by its corresponding casinghead gas disposition code.

III. APPENDIX A

GAS ALLOWABLE CODES

A brief description of the allowables is given in this appendix.
The allowable codes given below are not necessarily the allowable codes
that will print on the Proration Schedule; these codes are simply
a way to store the type of allowable in the system (and may not print
on the schedule at all).

blank	Producing With No Exceptions or Limitations, Top Allowable
A	Plugged well
C	Cycling (Allow Zero)
D	Disposal well
H	Shut-in
#	Restricted to 100% of the Daily Production Test (DPT)
I	Injection Well (allowable is zero)
J	Temporarily Abandoned (T.A.)
K	Shut-in well (exception to 14(b)(2) well)
L	Limited to highest daily production last 12 months; underage may not be accumulated
N	Special Allowable granted by administrative action
*	Up to twice average production prior six months (no limit)
O	Delinquent G-10 (Gas Well Status Report)
R	Deliverability + overage (supplement only) & word allowables
S	Special Allowable granted by Commission action (hearing),
T	Incomplete G-10
@	Limited to top production
U	Limited to highest daily production last 12 months; underage may be accumulated
W	Withheld pending receipt of forms
X	Exempt (Salvage)
Z	Not eligible for allowable
%	Plugged and abandoned condensate on hand
>	Delinquent P-2 (Producer's Monthly Report of Gas Wells)