

RAILROAD COMMISSION OF TEXAS

OIL AND GAS SCHEDULE SNAPSHOT MASTER TAPE

MAGNETIC TAPE 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 schedule 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 Schedule Snapshot
Master Tape

By: Railroad Commission of Texas

System Name: Oil and Gas Schedule Snapshot

Computer: IBM 2003-116

SYSTEM DESCRIPTION

The Schedule Snapshot data base assists the Oil and Gas Division in tracking wells that are on schedule for a specific month. It keeps all the identifying information for a well in the following order: district, field, cycle, operator, lease, and well number.

The keys to the Schedule Snapshot data base records can be found in the first two bytes of each record.

The key representation is as follows:

Schedule Snapshot Master Tape File

RECORD KEY	SEGMENT NAME	DESCRIPTION
01	SSROOT	District and field root segment
02	SSCYCLE	Cycle segment
03	SSOPER	Operator name and number segment
04	SSLEASE	Lease segment
05	SSWELL	Well segment

SCHEDULE SNAPSHOT DATA BASE HIERARCHY

```
*****
* SSROOT *
* KEY=01 *
*****
  ]
  ] *****
***** *
* SSCYCLE* *
* KEY=02 *
*****
  ]
  ] *****
***** *
* SSOPER * *
* KEY=03 *
*****
  ]
  ] *****
***** *
* SSLEASE* *
* KEY=04 *
*****
  ]
  ] *****
***** *
* SSWELL * *
* KEY=05 *
*****
```


PHYSICAL TAPE CHARACTERISTICS

1600 BPI, channel phase encoded, EBCDIC

IBM Standard Labels

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

The master file tape is identified by the following internal
dataset name and has the listed attributes:

Dataset Name:	T.SSF991
Record Length:	40
Blocking Factor	819
Block Size:	32,760

II. FILE INFORMATION

```

*****
*
*           THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
*           DATA BASE'S ROOT SEGMENT
*
*
* SEGMENT NAME:  SSROOT                TOTAL LENGTH:  10 BYTES
*-----*
* VARIABLE          ]          TYPE          ]  SSA          *
* NAME              ]          ]          NAME          *
*-----*
* SSROOT-KEY        ]          KEY           ]  SSROOTKY     *
* SS-DISTRICT       ]          SEARCH        ]  SSDIST        *
* SS-FIELD-NUMBER   ]          SEARCH        ]  SSFLDNUM      *
*-----*
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC.                POSITION
02 RRC-TAPE-RECORD-ID                          PIC X(02).  1
02 SCHEDULE-SNAPSHOT-ROOT.
05 SSROOT-KEY.
    10 SS-DISTRICT                             PIC 9(02)  VALUE ZEROS.  3
    10 SS-FIELD-NUMBER                         PIC 9(08)  VALUE ZEROS.  5
02 RRC-TAPE-FILLER                             PIC X(0028). 13

```

```

*****
* SSW700A1
*
*           THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
*           DATA BASE'S ROOT SEGMENT
*
* SEGMENT NAME: SSROOT
*****

```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) schedule snapshot'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	Tape Record Description
01	Schedule Snapshot Root Segment

SSROOT-KEY

This data item contains the district and field number for each well that is on schedule.

SS-DISTRICT

This data item is the numeric RRC district where the field is located.

SS-FIELD-NUMBER

This data item is the field number to which all of the subordinate information applies.

```

*****
*
*           THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
*           DATA BASE'S CYCLE SEGMENT
*
*
* SEGMENT NAME:  SSCYCLE                TOTAL LENGTH:  4 BYTES
*-----*
* VARIABLE          ]          TYPE          ]  SSA
* NAME              ]          ]          NAME
*-----*
* SS-CYCLE-KEY     ]          KEY           ]  SSCYCKEY
*-----*
*****

```

```

01  RAILROAD-COMMISSION-TAPE-REC.                POSITION
02  RRC-TAPE-RECORD-ID                          PIC X(02). 1
02  SCHEDULE-SNAPSHOT-CYCLE-SEG.
05  SS-CYCLE-KEY                                PIC 9(04)  VALUE ZEROS. 3
02  RRC-TAPE-FILLER                             PIC X(0034). 7

```

```

*****
* SSW700B1 *
* *
* THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT *
* DATA BASE'S CYCLE SEGMENT *
* *
* SEGMENT NAME: SSCYCLE *
*****

```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) schedule snapshot'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	Tape Record Description
02	Schedule Snapshot Cycle Segment

SSCYCLE-KEY

This data item contains the cycle date for the period that the subordinate information applied to the field. It is in YYMM format.

```

*****
*
*           THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
*           DATA BASE'S OPERATOR SEGMENT
*
*
* SEGMENT NAME:  SSOPER                TOTAL LENGTH:  38 BYTES
*-----*
* VARIABLE          ]          TYPE          ]  SSA          *
* NAME              ]                      ]  NAME          *
*-----*
* SS-OPERATOR-KEY   ]          KEY           ]  SSOPRKEY        *
* SS-OPERATOR-NAME  ]          SEARCH        ]  SSOPRNUM        *
* SS-OPERATOR-NUMBER ]          SEARCH        ]  SSOPRNUM        *
*-----*
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC.                POSITION
02 RRC-TAPE-RECORD-ID                          PIC X(02).  1
02 SCHEDULE-SNAPSHOT-OPERATOR-SEG.
05 SS-OPERATOR-KEY.
    10 SS-OPERATOR-NAME          PIC X(32)  VALUE SPACES.  3
    10 SS-OPERATOR-NUMBER        PIC 9(06)  VALUE ZEROS.   35

```

```

*****
* SSW700C1
*
*          THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
*          DATA BASE'S OPERATOR SEGMENT
*
* SEGMENT NAME: SSOPER
*****

```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) schedule snapshot'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	Tape Record Description
03	Schedule Snapshot Operator Segment

SS-OPERATOR-KEY

This data item contains the name and number for the operator of following lease(s) and well(s) for a particular cycle period in the field.

SS-OPERATOR-NAME

This data item contains the name of the operator.

SS-OPERATOR-NUMBER

This data item contains the number of the operator.


```

*****
*
*           THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
*           DATA BASE'S LEASE SEGMENT
*
*
* SEGMENT NAME:  SSLEASE                TOTAL LENGTH:  9 BYTES
*-----*
* VARIABLE      ]          TYPE          ]   SSA      *
* NAME          ]          ]             ]   NAME      *
*-----*
* SSLEASE-KEY   ]          KEY           ]   SSLSEKEY  *
* SS-LEASE-OIL-OR-GAS-CODE ] SECONDARY INDEX ] XSSOORG    *
* SS-LEASE-OIL-OR-GAS-CODE ]          SEARCH ] SSOGCODE   *
* SS-LEASE-DISTRICT ]          SEARCH     ] SSLSEDST   *
* SS-LEASE-NUMBER-OR-GAS-ID ]          SEARCH ] SSLSEID    *
*-----*
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC.                                POSITION
02 RRC-TAPE-RECORD-ID                                         PIC X(02). 1
02 SCHEDULE-SNAPSHOT-LEASE-SEG.
05 SSLEASE-KEY.
    10 SS-LEASE-OIL-OR-GAS-CODE PIC X(01) VALUE SPACE. 3
    10 SS-LEASE-DISTRICT       PIC 9(02) VALUE ZEROS. 4
    10 SS-LEASE-NUMBER-OR-GAS-ID PIC 9(06) VALUE ZEROS. 6
02 RRC-TAPE-FILLER                                           PIC X(0029). 12

```

```

*****
* SSW700D1
*
* THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
* DATA BASE'S LEASE SEGMENT
*
* SEGMENT NAME: SSLEASE
*****

```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) schedule snapshot'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	Tape Record Description
04	Schedule Snapshot Lease Segment

SSLEASE-KEY

This data item contains the oil or gas code, district, and lease or gas identification number of a well.

SS-LEASE-OIL-OR-GAS-CODE

This data item indicates whether the lease is a gas or oil lease: "O" for oil, "G" for gas.

SS-LEASE-DISTRICT

This data item is the numeric RRC district where the lease is located.

SS-LEASE-NUMBER-OR-GAS-ID

This data item is gas identification number or oil lease number to the gas/oil lease.

```

*****
*
*           THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
*           DATA BASE'S WELL SEGMENT
*
*
* SEGMENT NAME:  SSWELL                TOTAL LENGTH:  15 BYTES
*-----*
* VARIABLE          ]          TYPE          ]  SSA          *
* NAME              ]                      ]  NAME          *
*-----*
* SSWELL-KEY        ]  KEY                  ]  SSWELKEY         *
* SS-WELL-UNIT-IDENTIFIER ]  SEARCH          ]  SSUNITID         *
* SS-WELL-NUMBER    ]  SEARCH              ]  SSWELLNO         *
* SS-WELL-DATABASE-ROOT-KEY ]  SECONDARY INDEX ]  XSSWLKEY         *
* SS-WELL-DATABASE-ROOT-KEY ]  SEARCH        ]  SSWLRTKY         *
*-----*
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC.                                POSITION
02 RRC-TAPE-RECORD-ID                                         PIC X(02).  1
02 SCHEDULE-SNAPSHOT-WELL-SEG.
05 SSWELL-KEY.
    10 SS-WELL-UNIT-IDENTIFIER PIC X(01) VALUE HIGH-VALUES.  1
    10 SS-WELL-NUMBER          PIC X(06) VALUE SPACE.         2
05 SS-WELL-DATABASE-ROOT-KEY PIC 9(08) VALUE ZEROS.          8
02 RRC-TAPE-FILLER                                               PIC X(0023). 18

```

```

*****
* SSW700E1
*
*           THIS COPY IS USED FOR THE SCHEDULE SNAPSHOT
*           DATA BASE'S WELL SEGMENT
*
* SEGMENT NAME: SSWELL
*****

```

RRC-TAPE-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) schedule snapshot'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	Tape Record Description
05	Schedule Snapshot Well Segment

SSWELL-KEY

This data item contains the unit identifier and well number of each well on a particular lease.

SS-WELL-UNIT-IDENTIFIER

This data item contains the oil well unit identifier or high-values for wells not in a unit.

SS-WELL-NUMBER

This data item contains the well number assigned to the well.

SS-WELL-DATABASE-ROOT-KEY

This data item contains the well data base key for this well.

III. APPENDIX A

DISTRICT CONVERSION TABLE

Railroad Commission Numeric District	District
01	01
02	02
03	03
04	04
05	05
06	06
07	6E
08	7B
09	7C
10	08
11	8A
12	8B
13	09
14	10