

RAILROAD COMMISSION OF TEXAS

OIL AND GAS WELL INFORMATION
OIL WELL USER'S GUIDE

PUBLISHED BY THE
RAILROAD COMMISSION OF TEXAS
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This publication was developed for the general public in response to inquiries concerning the availability of oil and gas well information. If you request assistance in using the manual, your request will be given every consideration.

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Publication Number: WLA0020

I. GENERAL INFORMATION

IDENTIFICATION

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

SYSTEM DESCRIPTION

The primary file of the automated Well System is the WL database. It is an on-line, disk resident file which contains information related to oil wells. The file information is made available to the inquiring public in ascii format.

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

The key representation is as follows:

OIL RECORD

RECORD KEY	SEGMENT NAME	DESCRIPTION
01	WLROOT	Well Root Segment (Oil version)
02	WLOORPCY	Oil Reporting Cycle Segment
03	WLOPRVAL	Oil Previous Allowable Segment
04	WLOFRMLK	Oil Forms Lacking Segment
05	WLOFRMDS	Oil Forms Lacking Description Segment
06	WLOETEX	East Texas Segment
07	WLOETDS	Designated Casing Leakage Well Segment
08	WLOALTF	Oil Allowable Transfers Segment
09	WLOTFWL	Oil Transferred Wells Segment
10	WLPHPROD	Panhandle Gas Production Segment
11	WLPVTYP	Previous Oil Well Types Segment
12	WLPHBAL	Panhandle Gas Balancing Segment
13	WLOW10	Form W-10 Segment
14	WLOPVW10	Form W-10 Previous Segment
15	WLREMARK	Well Remark Segment
16	WLSEAL	Sealed Well Segment
26	WLOUIC	Oil Schedule/UIC Segment
28	WLSB126	Senate Bill 126 (2-Yr Inactive) Segment

PHYSICAL RECORD CHARACTERISTICS

1600 or 6250 BPI, Channel phase encoded

ASCII Character Set

IBM Standard Labels

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

OIL

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Dataset Name: T.WLF103

Record Length: 248

Blocksize: 23,312

II. OIL INFORMATION

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*****
* THIS COPYLIB CREATED BY RXCOMP3 20110901
* WLW700A3
* THIS COPY IS USED FOR THE WELL DATABASE'S
* WELL ROOT SEGMENT (OIL VERSION)
*
* SEGMENT NAME: WLROOT RECORD LENGTH: 116 BYTES
*-----*
* VARIABLE * TYPE * SSA *
* NAME * * NAME *
*-----*
* WL-OIL-ROOT-KEY *KEY * WLROOTKY *
* WL-OIL-INDEX *SECONDARY INDEX * XOGIND *
* WL-OIL-INDEX *SEARCH * WLOGIND *
* WL-OIL-E-TX-DESIGNATED-WL-KEY*SECONDARY INDEX * XETDSCD *
* WL-OIL-E-TX-DESIGNATED-WL-KEY*SEARCH * WLETDSKY *
* WL-OIL-ON-OFF-SCHED-INDICATOR*SEARCH * WLSCHIND *
* WL-OIL-OR-GAS *SEARCH * WLOGCODE *
* WL-OIL-NUMERIC-DISTRICT *SEARCH * WLDIST *
* WL-OIL-LEASE-NUMBER *SEARCH * WLLSENUM *
* WL-OIL-UNIT-NUMBER *SEARCH * WLUNITNO *
* WL-OIL-WELL-NUMBER *SEARCH * WLWELLNO *
* WL-OIL-SUBJECT-TO-14B2-FLAG *SEARCH * WLOG14B2 *
*****

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01 RAILROAD-COMMISSION-TAPE-REC. POS.
02 RRC-TAPE-RECORD-ID PIC X(02). 1
02 WL-OIL-ROOT-SEG-OR.
03 WL-OIL-ROOT-KEY PIC 9(8) VALUE ZEROS. 3
03 WL-OIL-INDEX.
05 WL-OIL-ON-OFF-SCHED-INDICATOR PIC X(1) VALUE 'N'. 11
88 WL-ON-SCHEDULE VALUE 'N'.
88 WL-OFF-SCHEDULE VALUE 'Y'.
05 WL-OIL-OR-GAS PIC X(1) VALUE ZEROS. 12
05 WL-OIL-NUMERIC-DISTRICT PIC 9(2) VALUE ZEROS. 13
05 WL-OIL-LEASE-NUMBER PIC 9(5) VALUE ZEROS. 15
05 WL-OIL-UNIT-NUMBER PIC X(1) VALUE HIGH-VALUES. 20
05 WL-OIL-WELL-NUMBER PIC X(6) VALUE ZEROS. 21
03 WL-OIL-REMOVE-FROM-SCHED-REASN PIC X(2) VALUE ZEROS. 27
88 WL-OIL-NOT-REMOVED VALUE ZEROS.
88 WL-OIL-PLUGGED-ABANDONDED VALUE '01'.
88 WL-OIL-CONVERT-FRESH-WATER VALUE '02'.
88 WL-OIL-TRANSFER VALUE '05'.
88 WL-OIL-WORKOVER VALUE '06'.
88 WL-OIL-RECLASS VALUE '07'.
88 WL-OIL-EXMPT-SWR-DWNHOLE-COMM VALUE '08'.
88 WL-OIL-BUILT-IN-ERROR VALUE '09'.
03 WL-OIL-REMOVE-FROM-SCHED-DATE.
05 WL-OIL-REMOVE-FROM-SCHED-YEAR PIC 9(4) VALUE ZEROS. 29
05 WL-OIL-REMOVE-FROM-SCHED-MONTH PIC 9(2) VALUE ZEROS. 33
05 WL-OIL-REMOVE-FROM-SCHED-DAY PIC 9(2) VALUE ZEROS. 35

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03	WL-OIL-RECLASSIFIED-WELL-POINTER	PIC 9(8)	VALUE ZEROS.	37
03	WL-OIL-PROB-PREVENT-ALLOW-FLAG	PIC X(1)	VALUE 'N'.	45
	88 WL-OIL-NO-PROBS-PREVENT-ALLOW		VALUE 'N'.	
	88 WL-OIL-PROBS-PREVENT-ALLOW		VALUE 'Y'.	
03	FILLER	PIC X(1)	VALUE ZEROS.	46
03	WL-OIL-RESERVOIR	PIC X(5)	VALUE ZEROS.	47
03	WL-OIL-BAY-OR-ESTUARY	PIC X(1)	VALUE 'N'.	52
	88 WL-OIL-NOT-IN-BAY-OR-ESTUARY		VALUE 'N'.	
	88 WL-OIL-IN-BAY-OR-ESTUARY		VALUE 'Y'.	
03	FILLER	PIC X(4)	VALUE ZEROS.	53
03	WL-OIL-W10-EXC-TO-SVY-FLAG	PIC X(1)	VALUE 'N'.	57
	88 WL-OIL-EXC-TO-SVY-GRANTED		VALUE 'Y'.	
	88 WL-OIL-EXC-TO-SVY-NOT-GRANTED		VALUE 'N'.	
03	WL-OIL-ONSHORE-CO-CODE	PIC X(3)	VALUE ZEROS.	58
03	WL-OIL-ORIGINAL-POTENTIAL	PIC +9(5)V9(3)	VALUE ZEROS.	61
			VALUE ZEROS.	
03	FILLER	PIC X(3)	VALUE ZEROS.	70
03	WL-OIL-UNIT-NO	PIC X(1)	VALUE ZEROS.	73
03	WL-OIL-UNIT-VALUE	PIC 9(1)V9(3)	VALUE ZEROS.	74
			VALUE ZEROS.	
	88 NO-UNIT-VALUE		VALUE ZEROS.	
	88 100-PERCENT-UNIT		VALUE 1.000.	
	88 50-PERCENT-UNIT		VALUE 0.500.	
	88 37-AND-HALF-PERCENT-UNIT		VALUE 0.375.	
03	WL-OIL-SURVEY-EFF-DATE.			
	05 WL-OIL-SURVEY-EFF-CENTURY	PIC 9(02)	VALUE ZEROS.	79
	05 WL-OIL-SURVEY-EFF-YEAR	PIC 9(02)	VALUE ZEROS.	81
	05 WL-OIL-SURVEY-EFF-MONTH	PIC 9(02)	VALUE ZEROS.	83
03	WL-OIL-NEW-WB-CONNECT-DATE	PIC 9(08)	VALUE ZEROS.	85
03	FILLER REDEFINES WL-OIL-NEW-WB-CONNECT-DATE.			
	05 WL-OIL-NEW-WB-CONNECT-CCYY.			
	15 WL-OIL-NEW-WB-CONNECT-CC	PIC 9(02).		
	15 WL-OIL-NEW-WB-CONNECT-YEAR	PIC 9(02).		
	05 WL-OIL-NEW-WB-CONNECT-CENTURY REDEFINES			
	WL-OIL-NEW-WB-CONNECT-CCYY	PIC 9(04).		
	05 WL-OIL-NEW-WB-CONNECT-MONTH	PIC 9(02).		
	05 WL-OIL-NEW-WB-CONNECT-DAY	PIC 9(02).		
03	WL-OIL-SUBJECT-TO-14B2-FLAG	PIC X(01)	VALUE 'N'.	93
	88 WL-OIL-SUBJECT-TO-14B2		VALUE 'Y'.	
03	WL-OIL-UIC-VIOLATION-FLAG	PIC X(01)	VALUE 'N'.	94
	88 WL-OIL-UIC-VIOLATION		VALUE 'Y'.	
03	WL-OIL-LEGAL-VIOLATION-FLAG	PIC X(01)	VALUE 'N'.	95
	88 WL-OIL-LEGAL-VIOLATION		VALUE 'Y'.	
03	WL-OIL-EXT-FOR-STATE-PLUG-FLAG	PIC X(01)	VALUE 'N'.	96
03	WL-OIL-CERT-HB-1975-FLAG	PIC X(01)	VALUE ZEROS.	97
	88 WL-OIL-AUTO-CERT-HB-1975		VALUE 'A'.	
	88 WL-OIL-MANUAL-CERT-HB-1975		VALUE 'M'.	
03	WL-OIL-CERT-EFFECTIVE-DATE.			
	05 WL-OIL-CERT-EFFECTIVE-CC	PIC 9(02)	VALUE ZEROS.	98
	05 WL-OIL-CERT-EFFECTIVE-YY	PIC 9(02)	VALUE ZEROS.	100
	05 WL-OIL-CERT-EFFECTIVE-MM	PIC 9(02)	VALUE ZEROS.	102
03	WL-OIL-CERTIFICATION-LTR-DATE.			
	05 WL-OIL-CERTIFICATION-LTR-CC	PIC 9(02)	VALUE ZEROS.	104
	05 WL-OIL-CERTIFICATION-LTR-YY	PIC 9(02)	VALUE ZEROS.	106
	05 WL-OIL-CERTIFICATION-LTR-MM	PIC 9(02)	VALUE ZEROS.	108

05	WL-OIL-CERTIFICATION-LTR-DD	PIC 9(02)	VALUE ZEROS.	110
03	WL-OIL-SHUT-IN-DATE.			
05	WL-OIL-SHUT-IN-CCYY	PIC 9(04)	VALUE ZEROS.	112
05	WL-OIL-SHUT-IN-MM	PIC 9(02)	VALUE ZEROS.	116
03	WL-OIL-PEND-REMOVAL-14B2-FLAG	PIC X(01)	VALUE SPACES.	118
88	WL-OIL-PEND-REMOVAL-14B2		VALUE 'Y'.	
02	RRC-TAPE-FILLER		PIC X(0136).	113

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*****
* WLW700A1 *
* *
*          THIS COPY IS USED FOR THE WELL DATABASE'S *
*          WELL ROOT SEGMENT (OIL VERSION) *
* *
* SEGMENT NAME: WLROOT *
*****

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RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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 Record Description
01 Well Root Segment (Oil Version)

WELL ROOT KEY (WL-OIL-ROOT-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.

OIL WELL ROOT INDEX (WL-OIL-INDEX)

Group item used as an alternate index to this segment.

ON OR OFF SCHEDULE FLAG (WL-OIL-ON-OFF-SCHED-INDICATOR)

This data item indicates whether the well is included on the oil schedule.

 N On schedule
 Y Off schedule

OIL OR GAS FLAG (WL-OIL-OR-GAS)

This data item indicates the well is an oil well.
0 This record is for a oil well

DISTRICT (WL-OIL-NUMERIC-DISTRICT)

This data item identifies the RRC district in which the well 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

OIL LEASE NUMBER (WL-OIL-LEASE-NUMBER)

This data item contains a five-digit number assigned by the RRC to each lease in a field. It is unique within each district.

UNIT NUMBER (WL-OIL-UNIT-NUMBER)

This data item contains an alphabetic or numeric identifier; a numeric identifier usually represents waterflood groupings. If this data item contains high-values, the well is not in a unit.

WELL NUMBER (WL-OIL-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.

REMOVED FROM SCHEDULE CODE (WL-OIL-REMOVED-FROM-SCHED-REASN)

This data item indicates whether the oil well is removed from the oil schedule and, if so, why. The options for this item include:

00	Not removed from the schedule
01	Plugged and abandoned
02	Converted to fresh water well
05	Transferred to another field
06	Worked over to a different field or reservoir
07	Reclassified to a gas well
08	Granted downhole commingling exception
09	Added to schedule in error and was removed

REMOVED FROM SCHEDULE DATE (WL-OIL-REMOVED-FROM-SCHED-DATE)

This data item indicates the date the oil well was removed from schedule. The format is YYYY/MM/DD.

RECLASSED GAS KEY (WL-OIL-RECLASSED-WELL-POINTER)

This data item points to the gas well to which or from which the oil well was reclassified. Contains the Well Database key of the gas well.

PROBLEMS WITH ALLOWABLE FLAG (WL-OIL-PROB-PREVENT-ALLOW-FLAG)

This data item indicates whether a problem associated with this well is severe enough to prevent the calculation of an allowable. If a well has a severe problem, the monthly calculate process bypasses this well, and the proration analyst cannot request an online allowable calculation until the problem is cleared.

N	No problem
Y	Allowable restricted due to problem

OIL RESERVOIR (WL-OIL-RESERVOIR)

This data item contains the reservoir the well was actually completed in.

BAY OR ESTUARY (WL-OIL-BAY-OR-ESTUARY)

This data item indicates whether the well is or is not completed in a bay or an estuary. If so, the well is eligible for an 'AEZ' (Adjacent Estuarine Zone) allowable, which is an average of the onshore and offshore allowables.

N	Well is not in bay or estuary
Y	Well is located in bay or estuary

EXCEPTION TO W-10 SURVEY TEST FLAG (WL-OIL-W10-EXC-TO-SVY-FLAG)

This data item indicates whether or not the well has an exception to filing a W-10 survey.

N No exception granted
Y An exception has been granted

ONSHORE COUNTY CODE (WL-OIL-ONSHORE-CO-CODE)

This data item contains the onshore county code for offshore wells. Reserved for future use. Currently, this data is stored in the Well Bore and Drilling Permits Databases.

ORIGINAL POTENTIAL (WL-OIL-ORIGINAL-POTENTIAL)

This data item is used in the proration of fields, such as East Texas, which have potential as a part of their allocation formula. It represents the original potential of the well (as opposed to the working potential of the well which is based on current production) and is not changed.

UNIT NUMBER (WL-OIL-UNIT-NO)

This data item contains an alphabetic or numeric unit identifier for wells in the Yates field. If the well is not in a unit this data field will contain zeros.

UNIT VALUE (WL-OIL-UNIT-VALUE)

This data item is used to calculate allowables in the Yates field. The unit value is a productive potential that is proportional to the rest of the units in the Yates field.

Some examples of this value are:

0.000	No unit value
+1.000	100 Percent unit
+0.500	50 Percent unit
+0.375	37 1/2 percent unit

SURVEY EFFECTIVE DATE (WL-OIL-SURVEY-EFF-DATE)

This data item contains the effective date of the current W-10, format is YYYY/MM.

PANHANDLE NEW WB DATE (WL-OIL-NEW-WB-CONNECT-DATE)

This data item is used to calculate allowables in the Panhandle fields. A higher casinghead gas limit is assigned for 12 months if a new well bore is drilled, format is YYYY/MM/DD.

SUBJECT TO RULE 14B2 (WL-OIL-SUBJECT-TO-14B2-FLAG)

This data item indicates inactive wells that are subject to Rule 14(b)(2).

- N Well is not subject
- Y Well is subject to 14(b)(2)

UIC VIOLATION FLAG (WL-OIL-UIC-VIOLATION-FLAG)

This data item indicates injection wells that are also subject to Rule 14(b)(2), but denied the 14(b)(2) due to a UIC violation.

- N Well does not have a UIC violation
- Y Well is an injection well with a UIC violation

LEGAL SECTION FLAG (WL-OIL-LEGAL-VIOLATION-FLAG)

This data item indicates inactive wells that are subject to Rule 14(b)(2), but denied the 14(b)(2) if a legal problem exists.

- N Well does not have a legal problem
- Y Well has a problem and is being handled by the Legal Division.

plug with state funds (WL-OIL-ext-for-state-plug-flag)

This data item indicates inactive wells that are subject to Rule 14(b)(2), and have been extracted to begin process to be plugged using state funds under sb 1103.

- N Well has not been extracted
- Y Well has been extracted, skip well in extract run

SHUT IN DATE (WL-OIL-SHUT-IN DATE)

This data item in ccyyymm format indicates the date the well was set to shut-in status

PENDING REMOVAL FLAG (WL-OIL-PEND-REMOVAL-14B2-FLAG)

This data item indicates if a well which is subject to Rule 14(b)(2), is working off its 14b2 status by becoming an active, producing well. If a well, subject to Rule 14b2 produces for three consecutive months then it will no longer

be subject to Rule 14b2.

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*****
* WLW7001C
* THIS COPY IS USED FOR THE WELL DATABASE'S
* OIL REPORTING CYCLE SEGMENT
*
* ASCII VERSION
*
* ** FOR OUTSIDE SOURCES/ MANUAL ONLY **
* USED TO CALCULATE THE ALLOWABLE FOR THE CYCLE
*
* SEGMENT NAME:  WJORPTCY          RECORD LENGTH: 222 BYTES
* -----
* VARIABLE      |          TYPE          |      SSA
* NAME          |          |          NAME
* -----
* WL-OIL-REPORT-CYCLE-KEY |  KEY          |  WLOCYKY
* -----
*****

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01 RAILROAD-COMMISSION-TAPE-REC.                                POS.
02 RRC-TAPE-RECORD-ID                                          PIC X(02). 1
02 WL-OIL-REPORTING-CYCLE-INFO.
03 WL-OIL-REPORT-CYCLE-DATE  PIC 9(06)          VALUE ZEROS.3
03 WL-OIL-REPORT-CYCLE-KEY  PIC 9(04)          VALUE ZEROS.3
03 WL-OIL-ACRES             PIC +9(5)V9(2)      VALUE ZEROS.9
03 WL-OIL-ACRE-FEET        PIC +9(5)          VALUE ZEROS.16
03 WL-OIL-NET-ACRE-FEET    PIC +9(5)          VALUE ZEROS.21
03 WL-OIL-BHP              PIC +9(5)          VALUE ZEROS.26
03 WL-OIL-WORKING-POTENTIAL PIC +9(5)V9(1)      VALUE ZEROS.31
03 WL-OIL-TOLERANCE-ACRES-FLAG PIC X(1)        VALUE 'N'. 37
88 WL-OIL-TOLERANCE-ACRES  VALUE 'Y'.
03 WL-OIL-EFFECTIVE-DATE.
05 WL-OIL-EFFECTIVE-YEAR   PIC 9(4)          VALUE ZEROS.38
05 WL-OIL-EFFECTIVE-MONTH PIC 9(2)          VALUE ZEROS.42
05 WL-OIL-EFFECTIVE-DAY    PIC 9(2)          VALUE ZEROS.44
03 WL-OIL-ISSUE-DATE.
05 WL-OIL-ISSUE-YEAR       PIC 9(4)          VALUE ZEROS.46
05 WL-OIL-ISSUE-MONTH     PIC 9(2)          VALUE ZEROS.50
05 WL-OIL-ISSUE-DAY       PIC 9(2)          VALUE ZEROS.52
*NOTE: WL-OIL-ALLOWABLE-AMOUNT IS THE DAILY AMOUNT BEFORE
* PRODUCTION FACTOR HAS BEEN APPLIED - SEE NOTE FOR
* WL-OIL-WELL-MONTHLY-ALLOWABLE.
03 WL-OIL-ALLOWABLE-AMOUNT PIC +9(5)          VALUE ZEROS.54
03 WL-GAS-LIMIT            PIC +9(7)          VALUE ZEROS.59
03 WL-GAS-OIL-RATIO        PIC +9(5)          VALUE ZEROS.66
03 WL-OIL-REPORT-CYCLE-REMARK PIC X(30)      VALUE ZEROS.71

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03	WL-ORIGINAL-OIL-IN-PLACE	PIC +9(6)	VALUE ZEROS.	101
03	WL-OIL-ALLOWABLE-CODES-RPT	PIC X(2)	VALUE ZEROS.	107
88	WL-OIL-NO-ALLOWABLE-RPT		VALUE ZEROS.	
88	WL-OIL-WELL-GETS-AN-ALLOWABLE		VALUE	
	'01', '03', '06', '07', '08'.			
88	WL-OIL-PRORATED-RPT		VALUE '01'.	
88	WL-OIL-NOT-PD-BUT-GET-ALLO-RPT		VALUE '03'.	
88	WL-OIL-MARGINAL-RPT		VALUE '06'.	
88	WL-OIL-NEW-DISCOVERY-RPT		VALUE '07'.	
88	WL-OIL-EXEMPT-RPT		VALUE '08'.	
03	WL-OIL-ALLOW-LIMITED-CD-RPT	PIC X(1)	VALUE ZEROS.	109
88	WL-OIL-WELL-NOT-LIMITED-RPT		VALUE ZERO.	
88	WL-OIL-WELL-LIMITED-RPT	VALUE '1' '2' '3' '4' '5'.		
88	WL-OIL-LIMITED-BY-PROD-RPT		VALUE '1'.	
88	WL-OIL-LIMITED-BY-POTE-RPT		VALUE '2'.	
88	WL-OIL-LIMITED-BY-GOR-RPT		VALUE '3'.	
88	WL-OIL-LIMITED-BY-WATER-RPT		VALUE '4'.	
88	WL-OIL-LIMITED-BY-WOR-RPT		VALUE '5'.	
03	WL-OIL-TYPE-WELLS-RPT	PIC X(2)	VALUE ZEROS.	110
88	WL-OIL-PRODUCING-RPT		VALUE 'PR'.	
88	WL-OIL-ABANDONED-RPT		VALUE 'AB'.	
88	WL-OIL-TEMP-ABANDONED-RPT		VALUE 'TA'.	
88	WL-OIL-SHUT-IN-RPT		VALUE 'SH'.	
88	WL-OIL-INJECTION-RPT		VALUE 'IN'.	
88	WL-OIL-LPG-STORAGE-RPT		VALUE 'LP'.	
88	WL-OIL-GAS-STRG-INJECTION-RPT		VALUE 'GJ'.	
88	WL-OIL-GAS-STRG-WITHDRAWAL-RPT		VALUE 'GW'.	
88	WL-OIL-GAS-STRG-SALT-FORM-RPT		VALUE 'GL'.	
88	WL-OIL-WATER-SUPPLY-RPT		VALUE 'WS'.	
88	WL-OIL-GEOTHERMAL-RPT		VALUE 'GT'.	
88	WL-OIL-OBSERVATION-RPT		VALUE 'OB'.	
88	WL-OIL-OTHER-SERVICE-RPT		VALUE 'OS'.	
88	WL-OIL-PARTIAL-PLUG-RPT		VALUE 'PP'.	
88	WL-OIL-SHUT-IN-MULTI-COMPL-RPT		VALUE 'SM'.	
88	WL-OIL-BRINE-MINING-RPT		VALUE 'BM'.	
88	WL-OIL-NO-PRODUCTION-RPT		VALUE 'NP'.	
88	WL-OIL-TERRA-RPT		VALUE 'TE'.	
03	WL-OIL-SAND-THICKNESS	PIC +9(3)	VALUE ZEROS.	112
03	WL-OIL-CO-REG-DEPTH-CODE	PIC 9(1)	VALUE ZEROS.	115
88	WL-OIL-CO-REG-NOT-USED		VALUE ZEROS.	
88	WL-OIL-CO-REG-0-TO-2000		VALUE 1.	
88	WL-OIL-CO-REG-2001-TO-4000		VALUE 2.	
88	WL-OIL-CO-REG-4001-TO-6000		VALUE 3.	
88	WL-OIL-CO-REG-6001-TO-8000		VALUE 4.	
88	WL-OIL-CO-REG-8001-AND-DEEPER		VALUE 5.	
03	WL-OIL-NET-GOR-CODE	PIC X(1)	VALUE ZEROS.	116
88	WL-OIL-NET-GOR-NOT-USED		VALUE ZEROS.	
88	WL-OIL-NET-GOR-RATIO		VALUE '1'.	
88	WL-OIL-NET-GOR-AMOUNT		VALUE '2'.	
88	WL-OIL-NET-GOR-UNLIMITED		VALUE '3'.	

03	WL-OIL-NET-GOR	PIC +9(5)	VALUE ZEROS.117
03	WL-OIL-SPECIAL-ALLOW-CODE	PIC 9(1)	VALUE ZEROS.122
88	WL-OIL-SPECIAL-ALLOW-NONE		VALUE ZEROS.
88	WL-OIL-SPECIAL-SUBJ-TO-FACTOR		VALUE 1.
88	WL-OIL-SPECIAL-ALLOW-DONT-CHG		VALUE 2.
88	WL-OIL-SPECIAL-TOP-ALLOW-PROR		VALUE 3.
88	WL-OIL-SPECIAL-TOP-ALLOW-XMPT		VALUE 4.
03	WL-OIL-SPECIAL-ALLOW-AMT	PIC +9(4)	VALUE ZEROS.123
03	WL-OIL-14B2-CODE	PIC X(1)	VALUE ZEROS.127
88	WL-OIL-14B2-DOES-NOT-EXIST		VALUE ZEROS.
88	WL-OIL-14B2-EXTENSION-EXISTS		VALUE '1'.
88	WL-OIL-14B2-EXTENSION-DENIED		VALUE '4'.
88	WL-OIL-14B2-EXTENSION-H15-VIOL		VALUE '5'.
03	WL-OIL-14B2-DATE.		
05	WL-OIL-14B2-YEAR	PIC 9(4)	VALUE ZEROS.128
05	WL-OIL-14B2-MONTH	PIC 9(2)	VALUE ZEROS.132
03	WL-OIL-WATER-PRODUCTION	PIC +9(4)	VALUE ZEROS.134
03	WL-OIL-FROZEN-POTENTIAL	PIC +9(5)	VALUE ZEROS.138
03	WL-OIL-PRODUCING-METHOD-RPT	PIC X(1)	VALUE ZEROS. 143
88	WL-OIL-VACUUM-RPT		VALUE 'V'.
88	WL-OIL-STEAM-INJECT-RPT		VALUE 'S'.
88	WL-OIL-SEC-HEAT-INJECT-RPT		VALUE 'H'.
88	WL-OIL-FLOWING-RPT		VALUE 'F'.
88	WL-OIL-PUMPING-RPT		VALUE 'P'.
88	WL-OIL-GAS-LIFT-RPT		VALUE 'G'.
88	WL-OIL-SWAB-RPT		VALUE 'B'.
88	WL-OIL-CARBON-DIOXIDE-RPT		VALUE 'C'.
88	WL-OIL-OTHER-PROD-METH-RPT		VALUE 'O'.
03	WL-OIL-OTHER-PROD-METHOD-RPT	PIC X(20)	VALUE ZEROS.144

*

*NOTE: CALCULATE WELL CYCLE ALLOWABLE AS FOLLOWS:

* IF WL-OIL-EXEMPT-RPT

* COMPUTE WL-OIL-WELL-MONTHLY-ALLOWABLE =

* (WL-OIL-ALLOWABLE-AMOUNT * BW-NUMBER-OF-DAYS-ON-SCHED)

* ELSE

* COMPUTE WL-OIL-WELL-MONTHLY-ALLOWABLE =

* (WL-OIL-ALLOWABLE-AMOUNT

* * FL-OIL-PROD-FACTOR * BW-NUMBER-OF-DAYS-ON-SCHED)

*

03	WL-OIL-WELL-MONTHLY-ALLOWABLE	PIC +9(7)	VALUE ZEROS.164
03	WL-OIL-LOWEST-PERFORATION	PIC +9(5)	VALUE ZEROS.171
03	FILLER	PIC X(1)	VALUE ZEROS.176
03	WL-OIL-W10-EXC-TO-TEST-FLAG	PIC X(1)	VALUE ZEROS. 177
88	WL-OIL-W10-TEST-REQUIRED		VALUE ZEROS.
88	WL-OIL-NO-W10-TEST-REQUIRED		VALUE '1'.
88	WL-OIL-NO-CMNGLE-TEST-METER		VALUE '2'.
88	WL-OIL-EXECUTE-SURVEY		VALUE '3'.
88	WL-OIL-PARTIAL-CMNGLE-LEASE		VALUE '4'.
88	WL-OIL-LACT-REGULAR-TEST		VALUE '5'.
88	WL-OIL-LACT-CMNGLE-EXEMPT		VALUE '6'.
88	WL-OIL-ONE-MONTH-DELAY		VALUE '7'.

03	WL-OIL-TEST-DATE.		
	05 WL-OIL-TEST-YEAR	PIC 9(4)	VALUE ZEROS.178
	05 WL-OIL-TEST-MONTH	PIC 9(2)	VALUE ZEROS.182
	05 WL-OIL-TEST-DAY	PIC 9(2)	VALUE ZEROS.184
03	WL-OIL-RETEST-FLAG	PIC X(1)	VALUE 'N'. 186
	88 WL-NOT-A-RETEST		VALUE 'N'.
	88 WL-IS-A-RETEST		VALUE 'Y'.
03	WL-OIL-12-HOUR-POTENTIAL	PIC +9(5)	VALUE ZEROS.187
03	WL-OIL-BONUS-CODE	PIC X(1)	VALUE ZEROS.192
	88 WL-OIL-NO-BONUS		VALUE ZEROS.
	88 WL-OIL-GAS-BONUS		VALUE '1'.
	88 WL-OIL-OIL-BONUS		VALUE '2'.
	88 WL-OIL-INJECTION-ALLOW-BONUS		VALUE '3'.
03	WL-OIL-BONUS-AMOUNT	PIC +9(3)	VALUE ZEROS.193
03	WL-OIL-EB-FLAG	PIC X(01)	VALUE 'Y'. 196
	88 WL-OIL-EB-THIS-WELL		VALUE 'Y'.
	88 WL-OIL-DO-NOT-EB-WELL		VALUE 'N'.
03	WL-OIL-ALLOW-POTE-GOR-CHG-FLAG	PIC X(01)	VALUE ZERO. 197
	88 WL-OIL-NO-CHANGES		VALUE ZERO.
	88 WL-OIL-CHANGES	VALUE '1' '2' '3' '4' '5' '6' '7'.	
	88 WL-OIL-NEW-ALLOWABLE		VALUE '1'.
	88 WL-OIL-NEW-POTENTIAL		VALUE '2'.
	88 WL-OIL-NEW-GOR		VALUE '3'.
	88 WL-OIL-NEW-GOR-POTENTIAL		VALUE '4'.
	88 WL-OIL-NEW-GOR-ALLOWABLE		VALUE '5'.
	88 WL-OIL-NEW-POTE-ALLOWABLE		VALUE '6'.
	88 WL-OIL-NEW-POTE-GOR-ALLOW		VALUE '7'.
03	WL-OIL-CSH-MONTHLY-LIMIT	PIC +9(9)	VALUE ZEROS.198
03	WL-OIL-EB-CHANGE-MONTH-FLAG	PIC 9(01)	VALUE ZERO. 207
	88 WL-OIL-EB-CHANGE-1ST-MONTH		VALUE 1.
	88 WL-OIL-EB-CHANGE-2ND-MONTH		VALUE 2.
	88 WL-OIL-EB-CHANGE-3RD-MONTH		VALUE 3.
03	WL-OIL-WELL-TOP	PIC +9(7)	VALUE ZEROS.208
03	WL-OIL-PANHANDLE-COMP-CODE	PIC X(01)	VALUE ZERO. 215
03	WL-OIL-PANHANDLE-SUB-CODE	PIC X(01)	VALUE ZERO. 216
03	WL-OIL-H15-VIOLATION-FLAG	PIC X(1)	VALUE ZEROS.217
	88 WL-OIL-H15-VIOLATION		VALUE 'Y'.
03	WL-OIL-ALLOCATION-FLAG	PIC X(1)	VALUE 'N'. 218
	88 WL-OIL-ALLOCATION		VALUE 'Y'.
03	FILLER	PIC X(06)	VALUE ZEROS.219
02	RRC-TAPE-FILLER		PIC X(0006). 243

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*****
* WLW700C2
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          OIL REPORTING CYCLE SEGMENT
*
* SEGMENT NAME: WLORPTCY
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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 Record Description
 02 Oil Reporting Cycle Segment

REPORT CYCLE KEY (WL-OIL-REPORT-CYCLE-KEY)

This data item contains the reporting cycle date in YYYY format.

ACRES (WL-OIL-ACRES)

This data item contains the number of acres productive of hydrocarbons and assigned to the well for allowable purposes. The operator files this information on Form P-15.

ACRE FEET (WL-OIL-ACRE-FEET)

This data item contains the number of acre feet productive of hydrocarbons and assigned to the well for allowable purposes. Acre feet is calculated by multiplying the number of acres times sand thickness. The operator files this information on Form P-15.

NET ACRE FEET (WL-OIL-NET-ACRE-FEET)

This data item contains the number of net acre feet productive of hydrocarbons and assigned to the well for allowable purposes. Net acre feet is calculated by multiplying acres times the portion of sand thickness determined to be productive. The operator files this information on Form P-15.

BOTTOM HOLE PRESSURE (WL-OIL-BHP)

This data item contains the bottom hole pressure or pressure at some point in the reservoir (as opposed to surface pressure). The bottom hole pressure can be either measured or calculated. The operator files this information on Form W-2. Some allocation formulas use bottom hole pressure to calculate allowables.

WORKING POTENTIAL (WL-OIL-WORKING-POTENTIAL)

This data item contains the potential of the well used in calculating an oil well's allowable. It may come from a W-2 or W-10 test, or be adjusted up or down to reflect the well's production. It is recorded in barrels per calendar day.

TOLERANCE ACRES FLAG (WL-OIL-TOLERANCE-ACRE-FLAG)

This data item indicates if tolerance acres were added to the number of productive acres.

N No tolerance acres assigned
Y Well has been given tolerance acres

EFFECTIVE DATE (WL-OIL-EFFECTIVE-DATE)

This data item contains the effective date of this allowable, format is YYYY/MM/DD.

ISSUE DATE (WL-OIL-ISSUE-DATE)

This data item contains the issue date of this allowable, format is YYYY/MM/DD.

DAILY OIL ALLOWABLE AMOUNT (WL-OIL-ALLOWABLE-AMOUNT)

This data item contains the daily oil allowable for the well, and does not include any transfer amount. It remains in effect until it is superseded by a supplement or until a new proration schedule is generated. For East Texas this amount could contain the ESWA or TSWA bonus amount. See WLOETEX segment.

GAS LIMIT (WL-GAS-LIMIT)

This data item is the amount of casinghead gas which an oil well may produce on a daily basis.

GAS OIL RATIO (WL-GAS-OIL-RATIO)

This data item contains the gas oil ratio of an oil well in cubic feet per barrel and is used in allowable calculations to determine if the well's production should be penalized. An oil well's production is curtailed if the gas produced is greater than its daily gas limit.

REMARKS (WL-OIL-REPORT-CYCLE-REMARK)

If the allowable contained in this segment is a recalculation for the cycle, this data item contains remarks that are printed on the operator's supplement. A supplement is correspondence notifying the operator of the new allowable for the cycle.

ORIGINAL OIL IN PLACE (WL-ORIGINAL-OIL-IN-PLACE)

This data item contains the amount of oil determined to be in the reservoir at the time of its discovery. The amount is determined at a productive acreage hearing.

The equation used is:

ACRES X THICKNESS X POROSITY X (1 - WATER SATURATION)

FORMATION VALUE FACTOR

OIL ALLOWABLE CODES (WL-OIL-ALLOWABLE-CODES-RPT)

This data item indicates the proration status of the oil well. Options include:

- 00 No allowable
- 01 Prorated allowable
- 03 Not producing but eligible for an allowable
- 06 Marginal allowable
- 07 Discovery allowable
- 08 Exempt allowable

LIMITED ALLOWABLE CODES (WL-OIL-ALLOW-LIMITED-CD-RPT)

This data item indicates the reason why a well's allowable may be limited. The options include:

- 1 Insufficient historical production to warrant an allowable amount for which the well is eligible
- 2 The well's potential
- 3 Excessive gas oil ratio
- 4 The amount of water the well produces
- 5 Excessive water oil ratio (East Texas field only)

TYPE OF OIL WELL (WL-OIL-TYPE-WELLS-RPT)

This data item identifies the category to which the well belongs. See appendix "A" for codes.

SAND THICKNESS (WL-OIL-SAND-THICKNESS)

This data item contains the thickness (in feet) of the producing zone of the well. It may be used for determining a well's allowable.

COUNTY REGULAR DEPTH CODE (WL-OIL-CO-REG-DEPTH-CODE)

This data item is for wells in a county regular field. The allowable is assigned based on the depth code, not the actual depth.

0	Not used
1	0 TO 2,000
2	2,001 TO 4,000
3	4,001 TO 6,000
4	6,001 TO 8,000
5	8,001 AND DEEPER

NET GOR CODE (WL-OIL-NET-GOR-CODE)

This data item is a code which indicates whether a well operates on a net gas oil ratio (or GOR) rule and, if so, what type of rule. If the well operates on the net gas oil ratio rule, it may produce on a special gas oil ratio, or a maximum gas limit.

0	Well not on rule
1	Well on rule with special ratio (I.E., it's greater than the usual 2 MCF)
2	Well on rule with maximum gas limit (I.E., a maximum amount that is assigned)
3	Well on rule with unlimited daily amount (I.E., no limit)

NET GOR AMOUNT (WL-OIL-NET-GOR)

This data item indicates the amount or ratio of the net gas oil ratio.

SPECIAL ALLOWABLE CODE (WL-OIL-SPECIAL-ALLOW-CODE)

This data item indicates whether a special oil allowable is assigned to a well, and if so, what kind of special allowable. A special allowable is assigned for a variety of reasons, but is usually because a well is nearly depleted or is a marginal producer. A special allowable generally makes it easier and more economical for the operator to produce a well.

- 0 None - indicates the well does not have a special allowable.
- 1 Subject to factor (don't change) ('don't change' means that once this is updated, it will not change until this code is removed) - indicates that the special allowable is subject to the production factor and that the allowable will not be changed, regardless of actual production.
- 2 Exempt (don't change) - indicates that the allowable is exempt from production factor and that the allowable will not be changed, regardless of actual production.
- 3 Top allowable prorated - indicates that the allowable is the top allowable for the field, and the field is subject to production factor.
- 4 Top allowable exempt - indicates that the allowable is the top allowable for the field, and the field is exempt from production factor.

SPECIAL ALLOWABLE AMOUNT (WL-OIL-SPECIAL-ALLOW-AMT)

This data contains the actual amount of the allowable for the wells having a special allowable. Wells in the fields with "Z" allocation have top allowables here.

14(B)(2) CODE (WL-OIL-14B2-CODE)

This data item indicates whether the well has an extension to 14(b)(2) and, if so, the status of its extension. Statewide Rule 14(b)(2) requires that all wells be plugged when they are abandoned.

CODE	EXCEPTION	PRINTS ON SCHEDULE AS
0	No extension to SWR 14(b)(2) has been granted	
1	Extension to SWR 14 (b)(2) in effect	EXC 14B
4	Extension to SWR 14 (b)(2) denied	14B DENY
5	Extension to SWR 14 (b)(2) denied due to H-15 violation	

14(B)(2) DATE (WL-OIL-14B2-DATE)

This data item indicates the expiration year and month of a well's extension to Statewide Rule 14(B)(2), format is YYYY/MM.

WATER PRODUCTION (WL-OIL-WATER-PRODUCTION)

This data item indicates the amount of water in barrels produced with oil during a W-2 or W-10 test.

FROZEN POTENTIAL (WL-OIL-FROZEN-POTENTIAL)

This data item is used to calculate allowables in the Yates field.

PRODUCING METHOD (WL-OIL-PRODUCING-METHOD-RPT)

This data item indicates the producing method of the oil well as filed on the W-10 test.

V	Vacuum
S	Steam injection
H	Secondary heat injection
F	Flowing
P	Pumping
G	Gas lift
B	Swabbing
C	Carbon dioxide
O	Other producing method

OTHER PRODUCING METHOD (WL-OIL-OTHER-PROD-METHOD-RPT)

This data item indicates the producing method if the value of WL-OIL-PRODUCING-METHOD is "0" for other.

MONTHLY ALLOWABLE (WL-OIL-WELL-MONTHLY-ALLOWABLE)

This data item contains the cumulative monthly oil allowable for the well.

LOWEST PERFORATION (WL-OIL-WELL-LOWEST-PERFORATION)

This data item contains the deepest perforation of the well casing for the well.

EXCEPTION TO TEST (WL-OIL-W10-EXC-TO-TEST-FLAG)

This data item indicates whether an oil well has an exception to testing annually or semi-annually.

- 0 Regular testing is required
- 1 No W-10 testing is required
- 2 No commingle test is required, metered
- 3 Execute survey only
- 4 Partial commingle lease (oil only)
- 5 Lease allowable custody transfer (LACT)
regular testing is required
- 6 Lease allowable custody transfer (LACT)
exempt from commingle testing
- 7 One month delay allowed (District Offices)

TEST DATE (WL-OIL-TEST-DATE)

This data item indicates the date of the most recent test filed with the Commission in YYYY/MM/DD format. The test may be filed on an annual survey, Form W-2, or Form W-10 retest.

RETEST FLAG (WL-OIL-RETEST-FLAG)

This data item indicates whether the test date above comes from a W-10 retest.

- N Not a retest
- Y This is a retest

12-HOUR POTENTIAL FOR YATES WELL (WL-OIL-12-HOUR-POTENTIAL)

This data item contains the 12-hour potential for wells in the Yates Field. (Wells in the Yates Field are required to test for a 12-hour period, as opposed to the usual 24-hour period.)

BONUS CODE (WL-OIL-BONUS-CODE)

This code indicates whether the well receives a bonus amount.

- 0 Oil no bonus
- 1 Gas bonus
- 2 Oil bonus
- 3 Oil injection allow bonus

BONUS AMOUNT (WL-OIL-BONUS-AMOUNT)

The amount to be added to the allowable as a bonus.

OIL EB FLAG (WL-OIL-EB-FLAG)

This data item indicates if this well's allowable is to be reduced due to production history.

N Do not EB this well
Y EB this well

WELL CHANGE FLAG (WL-OIL-ALLOW-POTE-GOR-CHG-FLAG)

This data item indicates items that have changed that may cause a change to the well allowable.

0 No changes
1 New allowable
2 New potential
3 New GOR
4 New GOR and potential
5 New GOR and allowable
6 New potential and allowable
7 New potential, GOR and allowable

CASINGHEAD GAS LIMIT (WL-OIL-CSH-MONTHLY-LIMIT)

This data item contains the maximum amount of casinghead gas that may be assigned to the well for the month.

EB MONTH FLAG (WL-OIL-EB-CHANGE-MONTH-FLAG)

This data item is used as a counter for the number of months the allowable has been changed by the EB routine.

0 No change month
1 EB change 1st month
2 EB change 2nd month
3 EB change 3rd month

TOP ALLOWABLE AMOUNT (WL-OIL-WELL-TOP)

The maximum amount of oil allowable that can be assigned to a well in this field.

PANHANDLE COMPLIANCE CODE (WL-OIL-PANHANDLE-COMP-CODE)

This code indicates which guideline was used by a well in the Panhandle fields to gain compliance with field rules.

- 0 No code. No presumption of compliance for this well has been established by a data sheet or computer run.
- 1 The top of perforations is at or below +250 feet (sea level datum).
- 2 The average producing GOR of the most recent 12 consecutive months does not exceed 5000:1
- 3 A test of the isolated 50-foot interval below the top of perforations yields enough oil on stabilized 72-hour test to classify as a statutory oil well.
- 4 The well is located in a structurally anomalous area of high oil.
- 5 The top of the perforations is lower than the base of perforations in any producing gas wells located within a one-mile radius of the subject well.
- 6 The well has produced not more than 20,000 cubic feet of gas per day (24 hours) during the most recent RRC test (either W-2 or W-10) and the average production of the most recent 12 consecutive months is not more than 20,000 cubic feet of gas per day.
- 7 Service well (injection, disposal, etc.) not applicable.
- 8 Producing GOR < 5000:1 (past 12 months, set by the computer).
- 9 14(b)(2) well.
- A Produced less than 20,000 cubic of gas on last W-10 (same as code 6 but set by computer run).
- B Shut-in well (valid compliant code should be set before this well can be produced).
- C Excessive production or ratio. Code 2, 6, 8 or A has been removed.
- D Hearing has been held and well can be programmatically set to a code 8 or A.
- E Well sealed due to Commission action.
- F Lease shut-in to make up casinghead production in excess of 20,000 cubic feet per day per well for 12 months prior to request to bring into compliance.
- N Plugged well on ledger (will drop off after annual ledger).

PANHANDLE COMPLIANCE SUB CODE (WL-OIL-PANHANDLE-SUB-CODE)

This code is a sub code for wells with a compliance code of 6 or A in Panhandle fields.

- P For wells that are producing within guidelines.
- S Well has been shut-in for a period of time due to overproduction of guideline 6.

H-15 VIOLATION FLAG (WL-OIL-H15-VIOLATION-FLAG)

This code is used to indicate if the well is in violation or has failed to file a required H-15 test.

- N No violation
- Y Well has failed H-15 test or is delinquent in filing H-15.

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*****
*          THIS COPYLIB CREATED BY RXCOMP3  20110901          *
* WLW700D1                                                    *
*          THIS COPY IS USED FOR THE WELL DATABASE'S          *
*                   OIL PREVIOUS ALLOWABLE SEGMENT            *
*          *          *          *          *          *          *
* SEGMENT NAME:  WLOPRVAL          RECORD LENGTH: 105 BYTES  *
*-----*
* VARIABLE          *          TYPE          *          SSA          *
* NAME              *          *          *          NAME          *
*-----*
* WL-OIL-PREV-ISSUE-DAY          *          SEARCH FIELD          *          WLOISSDA          *
*****
01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
02  RRC-TAPE-RECORD-ID                                PIC X(02). 1
02  WL-OIL-PREV-ALLOWABLE-INFO-OR.
03  WL-OIL-PREV-EFFECTIVE-DATE.
05  WL-OIL-PREV-EFFECTIVE-YEAR          PIC 9(4)          VALUE ZEROS.3
05  WL-OIL-PREV-EFFECTIVE-MONTH        PIC 9(2)          VALUE ZEROS.7
05  WL-OIL-PREV-EFFECTIVE-DAY          PIC 9(2)          VALUE ZEROS.9
03  WL-OIL-PREV-ISSUE-DATE.
05  WL-OIL-PREV-ISSUE-YEAR          PIC 9(4)          VALUE ZEROS.11
05  WL-OIL-PREV-ISSUE-MONTH          PIC 9(2)          VALUE ZEROS.15
05  WL-OIL-PREV-ISSUE-DAY          PIC 9(2)          VALUE ZEROS.17
03  WL-OIL-PREV-WORK-POTENTIAL          PIC +9(5)V9(1)          VALUE ZEROS. 19
03  FILLER                                PIC X(01)          VALUE ZEROS.26
03  WL-OIL-PREV-ALLOW-AMOUNT          PIC +9(5)          VALUE ZEROS. 27
03  WL-OIL-PREV-GAS-LIMIT          PIC +9(7)          VALUE ZEROS. 33
03  WL-OIL-PREV-GAS-OIL-RATIO          PIC +9(5)          VALUE ZEROS. 41
03  WL-OIL-PREV-REMARKS          PIC X(30)          VALUE ZEROS.47
03  WL-OIL-ALLOWABLE-CODES-PRV          PIC X(2)          VALUE ZEROS.77
88  WL-OIL-NO-ALLOWABLE-PRV          VALUE ZEROS.
88  WL-OIL-PRORATED-PRV          VALUE '01'.
88  WL-OIL-NOT-PD-BUT-GET-ALLO-PRV          VALUE '03'.
88  WL-OIL-MARGINAL-PRV          VALUE '06'.
88  WL-OIL-DISCOVERY-PRV          VALUE '07'.
88  WL-OIL-EXEMPT-PRV          VALUE '08'.

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03	WL-OIL-ALLOW-LIMITED-CD-PRV	PIC X(1)	VALUE ZEROS.	79
88	WL-OIL-LIMITED-BY-PROD-PRV		VALUE '1'.	
88	WL-OIL-LIMITED-BY-POTE-PRV		VALUE '2'.	
88	WL-OIL-LIMITED-BY-GOR-PRV		VALUE '3'.	
88	WL-OIL-LIMITED-BY-WATER-PRV		VALUE '4'.	
88	WL-OIL-LIMITED-BY-WOR-PRV		VALUE '5'.	
03	WL-OIL-TYPE-WELLS-PRV	PIC X(2)	VALUE ZEROS.	80
88	WL-OIL-PRODUCING-PRV		VALUE 'PR'.	
88	WL-OIL-ABANDONED-PRV		VALUE 'AB'.	
88	WL-OIL-TEMP-ABANDONED-PRV		VALUE 'TA'.	
88	WL-OIL-SHUT-IN-PRV		VALUE 'SH'.	
88	WL-OIL-INJECTION-PRV		VALUE 'IN'.	
88	WL-OIL-LPG-STORAGE-PRV		VALUE 'LP'.	
88	WL-OIL-GAS-STRG-INJECTION-PRV		VALUE 'GJ'.	
88	WL-OIL-GAS-STRG-WITHDRAWAL-PRV		VALUE 'GW'.	
88	WL-OIL-GAS-STRG-SALT-FORM-PRV		VALUE 'GL'.	
88	WL-OIL-WATER-SUPPLY-PRV		VALUE 'WS'.	
88	WL-OIL-GEOTHERMAL-PRV		VALUE 'GT'.	
88	WL-OIL-OBSERVATION-PRV		VALUE 'OB'.	
88	WL-OIL-OTHER-SERVICE-PRV		VALUE 'OS'.	
88	WL-OIL-PARTIAL-PLUG-PRV		VALUE 'PP'.	
88	WL-OIL-SHUT-IN-MULTI-COMPL-PRV		VALUE 'SM'.	
88	WL-OIL-BRINE-MINING-PRV		VALUE 'BM'.	
88	WL-OIL-NO-PRODUCTION-PRV		VALUE 'NP'.	
03	WL-OIL-WELL-MONTHLY-ALLOW-PRV	PIC +9(07)	VALUE ZEROS.	82
03	WL-OIL-CSH-MONTHLY-LIMIT-PRV	PIC +9(09)	VALUE ZEROS.	90
03	WL-OIL-14B2-CODE-PRV	PIC X(1)	VALUE ZEROS.	100
88	WL-OIL-14B2-DOES-NOT-EXIST-PRV		VALUE ZERO.	
88	WL-OIL-14B2-EXTENSION-PRV		VALUE '1'.	
88	WL-OIL-14B2-EXTENSN-DENIED-PRV		VALUE '4'.	
03	WL-OIL-ETEX-PRO-MARG-PRV	PIC X(1)	VALUE ZEROS.	101
88	WL-OIL-ETEX-PRORATED-PRV		VALUE 'P', ZEROS.	
88	WL-OIL-ETEX-MARGINAL-PRV		VALUE 'M'.	
03	WL-OIL-ETEX-OIL-TRNS-PRV	PIC 9(2)	VALUE ZEROS.	102
03	WL-OIL-ETEX-GAS-TRNS-PRV	PIC 9(2)	VALUE ZEROS.	104
03	WL-OIL-ALLOCATION-PRV-FLAG	PIC X(1)	VALUE 'N'.	106
88	WL-OIL-ALLOCATION-PRV		VALUE 'Y'.	
03	FILLER	PIC X(1)	VALUE ZEROS.	107
02	RRC-TAPE-FILLER		PIC X(0141).	108

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*****
* WLW700D1
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          OIL PREVIOUS ALLOWABLE SEGMENT
*
* SEGMENT NAME: WLOPRVAL
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
03	Oil Previous Allowable Segment

EFFECTIVE DATE (WL-OIL-PREV-EFFECTIVE-DATE)

This data item contains the effective date of the allowable, the format is YYYY/MM/DD.

ISSUE DATE (WL-OIL-PREV-ISSUE-DATE)

This data item contains the issue date of the allowable, the format is YYYY/MM/DD.

WORKING POTENTIAL (WL-OIL-PREV-WORK-POTENTIAL)

This data item contains the previous working potential of a well used to calculate its allowable. It may come from a W-2 or W-10 test, or be adjusted up or down to reflect the well's production. It is recorded in barrels per calendar day.

DAILY ALLOWABLE AMOUNT (WL-OIL-PREV-ALLOW-AMOUNT)

This data item contains the daily oil allowable for the well, and does not include any transfer amount.

GAS LIMIT (WL-OIL-PREV-GAS-LIMIT)

This data item contains the amount of casinghead gas which an oil well may produce. The amount may be MCF/Day or MCF/Month, as determined by the field in which the well is located.

GAS OIL RATIO (WL-OIL-PREV-GAS-OIL-RATIO)

This data item contains the gas oil ratio of an oil well in cubic feet per barrel, and is used in allowable calculations to determine if the well's production should be penalized. An oil well's production is curtailed if the gas produced is greater than 2000 MCF per barrel of oil.

REMARKS (WL-OIL-PREV-REMARKS)

This data item contains free-form or computer-generated well remarks which appear on the oil supplement mailed to the operator.

ALLOWABLE CODES (WL-OIL-ALLOWABLE-CODES-PRV)

This data item indicates the proration status of the oil well. Options include:

- 00 No allowable
- 01 Prorated allowable
- 03 Not producing but eligible for an allowable
- 06 Marginal allowable
- 07 Discovery allowable
- 08 Exempt allowable

LIMITED ALLOWABLE CODES (WL-OIL-ALLOW-LIMITED-CD-PRV)

This data item indicates the reason why a well's allowable may be limited. The options include:

- 1 Insufficient historical production to warrant an allowable amount for which the well is eligible
- 2 The well's potential
- 3 Excessive gas oil ratio
- 4 The amount of water the well produces
- 5 Excessive water oil ratio (East Texas Field only)

TYPE OF OIL WELL (WL-OIL-TYPE-WELLS-PRV)

This data item identifies the category to which the well belongs. See appendix "A" for codes.

MONTHLY ALLOWABLE (WL-OIL-WELL-MONTHLY-ALLOW-PRV)

This data item is the monthly oil allowable assigned to the well.

MONTHLY CASINGHEAD LIMIT(WL-OIL-CSH-MONTHLY-LIMIT-PRV)

This data item is the monthly casinghead gas limit assigned to the well.

14(B)(2) CODE (WL-OIL-14B2-CODE-PRV)

This code is the 14(b)(2) extension granted to the well.

0	No extension granted
1	Extension granted
4	Extension denied

TYPE OF ALLOWABLE TRANSFERRED (WL-OIL-ETEX-PRO-MARG-PRV)

This code indicates the type of CLAT allowable transferred in the East Texas field only.

P	Prorated allowable
M	Marginal allowable

AMOUNT OF CLAT OIL TRANSFERRED (WL-OIL-ETEX-OIL-TRNS-PRV)

This data item indicates the previous amount of casing leak oil received from another well in the East Texas field only.

AMOUNT OF CLAT GAS TRANSFERRED (WL-OIL-ETEX-GAS-TRNS-PRV)

This data item indicates the previous amount of casing leak gas received from another well in the East Texas field only.

```

*****
* WLW700E1
* THIS COPY IS USED FOR THE WELL DATABASE'S
* OIL FORMS LACKING SEGMENT
*
*
* SEGMENT NAME: WLOFRMLK RECORD LENGTH: 4 BYTES
*
*-----*
* VARIABLE NAME * TYPE * SSA NAME *
*-----*
* WL-OIL-FORM-LACKING * KEY * WLOFRMKY *
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC. POS.
02 RRC-TAPE-RECORD-ID PIC X(02). 1
02 WL-OIL-FORMS-LACKING-SEG.
03 WL-OIL-FORM-LACKING PIC X(4) VALUE ZEROS. 3
88 WL-OIL-NO-FORMS-LACKING VALUE ZEROS.
88 WL-OIL-W-10-LACKING VALUE 'W-10'.
88 WL-OIL-PLAT-LACKING VALUE 'PLAT'.
88 WL-OIL-P-12-LACKING VALUE 'P-12'.
88 WL-OIL-P-1-LACKING VALUE 'P-1 '.
88 WL-OIL-P-5-LACKING VALUE 'P-5 '.
88 WL-OIL-P-4-LACKING VALUE 'P-4 '.
88 WL-OIL-P-15-LACKING VALUE 'P-15'.
88 WL-OIL-LOG-LACKING VALUE 'LOG '.
88 WL-OIL-W-2-LACKING VALUE 'W-2 '.
88 WL-OIL-W-12-LACKING VALUE 'W-12'.
88 WL-OIL-W-15-LACKING VALUE 'W-15'.
88 WL-OIL-L-1-LACKING VALUE 'L-1 '.
88 WL-OIL-R-37-LACKING VALUE 'R-37'.
88 WL-OIL-R-38-LACKING VALUE 'R-38'.
88 WL-OIL-H-10-LACKING VALUE 'H-10'.
88 WL-OIL-H-10-H-LACKING VALUE 'H10H'.
88 WL-OIL-OTHERS-LACKING VALUE 'OTHR'.
02 RRC-TAPE-FILLER PIC X(0242). 7

```

```

*****
* WLW700E1
*
*           THIS COPY IS USED FOR THE WELL DATABASE'S
*           OIL FORMS LACKING SEGMENT
*
* SEGMENT NAME: WLOFRMLK
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
04	Oil Forms Lacking Segment

FORMS LACKING (WL-OIL-FORM-LACKING)

This data item indicates forms which need to be filed by the operator in order for an oil well to receive an allowable.

W-10	FORM W-10 LACKING
PLAT	PLAT LACKING
P-12	FORM P-12 LACKING
P-1	FORM P-1 LACKING
P-5	FORM P-5 LACKING
P-4	FORM P-4 LACKING
P-15	FORM P-15 LACKING
LOG	ELECTRICAL LOG LACKING
W-2	FORM W-2 LACKING
W-12	FORM W-12 LACKING
W-15	FORM W-15 LACKING
L-1	FORM L-1 LACKING
R-37	EXCEPTION TO RULE 37
R-38	EXCEPTION TO RULE 38
OTHR	OTHER FORM(S) LACKING

```

*****
* WLW700F1
* THIS COPY IS USED FOR THE WELL DATABASE'S
* OIL FORM LACKING DESCRIPTION SEGMENT
*
*
* SEGMENT NAME: WLOFRMDS 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 WL-OIL-FORM-LACK-DESCRIPTION.
03 WL-OIL-FORMS-DESCRIPTION PIC X(20) VALUE ZEROS. 3
02 RRC-TAPE-FILLER PIC X(0226). 23

```

```

*****
* WLW700F1 *
* *
*          THIS COPY IS USED FOR THE WELL DATABASE'S *
*          OIL FORM LACKING DESCRIPTION SEGMENT *
* *
* SEGMENT NAME: WLOFRMDS *
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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 Record Description
05 Oil Forms Lacking Description Segment

DESCRIPTION OF FORMS LACKING (WL-OIL-FORMS-DESCRIPTION)

This data item identifies which forms need to be filed by the operator in order for an oil well to receive an allowable. It is used only when WL-OIL-FORM-LACKING in segment WLOFRMLK is valued at 'OTHR'.

```

*****
* WLW700G1
* THIS COPY IS USED FOR THE WELL DATABASE'S
* EAST TEXAS SEGMENT
*
*
* SEGMENT NAME: WLOETEX RECORD LENGTH: 75 BYTES
*-----*
* VARIABLE * TYPE * SSA *
* NAME * NAME *
*-----*
* NO KEY NON RECURRING * *
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC. POS.
02 RRC-TAPE-RECORD-ID PIC X(02). 1
02 WL-EAST-TEX-OIL-WELL-TRANSFERS.
03 WL-OIL-ESWA-BONUS-AMT PIC 9(2) VALUE ZEROS.3
03 WL-OIL-TSWA-BONUS-AMT PIC 9(2) VALUE ZEROS.5
03 WL-OIL-WELL-IS-CLAT-FLAG PIC X(1) VALUE 'N'. 7
88 WL-OIL-WELL-IS-NOT-CLAT VALUE 'N'.
88 WL-OIL-WELL-IS-CASING-LEAKAGE VALUE 'C'.
03 WL-OIL-WELL-IS-DESIGNATED-FLAG PIC X(1) VALUE 'N'. 8
88 WL-OIL-WELL-IS-NOT-DESIGNATED VALUE 'N'.
88 WL-OIL-WELL-IS-DESIGNATED VALUE 'D'.
03 WL-OIL-WELL-IS-KEY-WELL-FLAG PIC X(1) VALUE 'N'. 9
88 WL-OIL-WELL-IS-NOT-KEY-WELL VALUE 'N'.
88 WL-OIL-WELL-IS-KEY-WELL VALUE 'Y'.
03 WL-OIL-WELL-CLAT-REMARKS PIC X(50) VALUE ZEROS.10
03 WL-OIL-WATER-OIL-RATIO-EXC-FLG PIC X(1) VALUE 'N'. 60
88 WL-OIL-WOR-EXCEPT-NOT-GRANTED VALUE 'N'.
88 WL-OIL-WOR-EXCEPT-GRANTED VALUE 'Y'.
03 WL-OIL-WATER-WELL-SHUT-DOWN PIC X(1) VALUE 'N'. 61
88 WL-OIL-WELL-IS-NOT-WWSD VALUE 'N'.
88 WL-OIL-WELL-IS-WWSD VALUE 'Y'.
03 WL-OIL-CLAT-REMOVAL-DATE.
05 WL-OIL-CLAT-REMOVAL-YEAR PIC 9(4) VALUE ZEROS.62
05 WL-OIL-CLAT-REMOVAL-MONTH PIC 9(2) VALUE ZEROS.66
05 WL-OIL-CLAT-REMOVAL-DAY PIC 9(2) VALUE ZEROS.68
03 WL-OIL-CLAT-PLUGGED-OUT-AMT PIC 9(3) VALUE ZEROS.70
03 WL-OIL-CLAT-PLUGGED-OUT-CODE PIC X(1) VALUE ZEROS.73
88 WL-CLAT-PLUG-AMT-IS-PRORATED VALUE 'P'.
88 WL-CLAT-PLUG-AMT-IS-MARGINAL VALUE 'M'.
03 FILLER PIC X(4) VALUE ZEROS.74
02 RRC-TAPE-FILLER PIC X(0171). 78

```

```

*****
* WLW700G1 *
* * *
* THIS COPY IS USED FOR THE WELL DATABASE'S *
* EAST TEXAS SEGMENT *
* * *
* SEGMENT NAME: WLOETEX *
*****

```

This segment is specific to wells in the East Texas oil field in district 6E.

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
06	East Texas Segment

EARNED SALT WATER ALLOWABLE (WL-OIL-ESWA-BONUS-AMT)

This data item contains the bonus oil allowable distributed to wells on a lease because one of the wells is re-injecting saltwater back into the Woodbine sands from which it was produced. The purpose of the allowable credit is to encourage the repressuring of the East Texas Reservoir. Generally, one barrel of oil is allowed to be produced for every 115 barrels of saltwater re-injected into the productive zone.

TRANSFERRED SALT WATER ALLOWABLE (WL-OIL-TSWA-BONUS-AMT)

This data item, like the earned saltwater allowable, contains a bonus oil allowable for re-injecting saltwater back into the Woodbine sands from which it was produced. A transferred saltwater allowable is different in that the allowable credit is distributed to wells on a lease other than the lease where the saltwater is injected.

1

CASING LEAK ALLOWABLE TRANSFER FLAG (WL-OIL-WELL-IS-CLAT-FLAG)

This data item indicates whether a well with a leak in its surface or production casing was plugged and its allowable transferred to another well located either on the same lease or another lease. The purpose of the allowable transfer is to encourage an operator to plug what may otherwise pollute a nearby fresh water zone.

N Well is not a casing leakage well
C Well is a casing leakage well

DESIGNATOR WELL FLAG (WL-OIL-WELL-IS-DESIGNATED-FLAG)

This data item indicates whether a well is one of up to four wells nearest to a casing leak well. A designator well is used in the calculations to determine the amount of allowable transfer for a casing leak well.

N Well is not a designated well
D Well is a designated well

KEY WELL FLAG (WL-OIL-WELL-IS-KEY-WELL-FLAG)

This data item indicates whether the well is shut-in but capable of producing. Typically it is a pumping well used for geological surveying, and assigned an allowable by the RRC. The key well is used in periodic tests to determine the pressure in the reservoir.

N This is not a key well
Y A key well

CASING LEAK ALLOWABLE TRANSFER REMARKS (WL-OIL-WELL-CLAT-REMARKS)

This item contains free-form remarks about a plugged, casing leakage allowable transfer well.

WATER-OIL RATIO EXCEPTION FLAG (WL-OIL-WATER-OIL-RATIO-EXC-FLG)

This data item indicates whether the well has an exception to the water oil ratio rule in the East Texas field. This rule limits a well to producing 15 barrels of saltwater for each barrel of oil of top allowable; since the lowest top allowable for any well in the field is 20 bbls/day, a well may produce 300 barrels of water a day without penalty.

N No exception granted
Y WOR exception granted

WATER WELL SHUT-DOWN (WL-OIL-WATER-WELL-SHUT-DOWN)

This data item indicates whether or not the well is shut-in because the most recent test shows water production of 100 barrels/day or more. If the well is shut-in its allowable is produced by other wells on the same lease.

N Not shut-in
Y Shut-in

REMOVAL DATE OF CASING LEAK ALLOWABLE TRANSFER
(WL-OIL-CLAT-REMOVAL-DATE)

This data item indicates when the casing leakage authority transfer is removed, the format is YYYY/MM/DD.

ALLOWABLE WHEN WELL WAS PLUGGED (WL-OIL-CLAT-PLUGGED-OUT-AMT)

This data item contains the allowable amount in effect at the time the well was plugged due to a casing leak.

TYPE ALLOWABLE WHEN PLUGGED (WL-OIL-CLAT-PLUGGED-OUT-CODE)

This code indicates the type of allowable assigned at the time the well was plugged due to a casing leak.

P Prorated allowable
M Marginal allowable

```

*****
* WLW700H1
* THIS COPY IS USED FOR THE WELL DATABASE'S
* WELLS WHICH ARE CONSIDERED DESIGNATED WELLS FOR A
* CASING LEAKAGE WELL
*
* THE PARENT SEGMENT TO THIS SEGMENT IS WLOETEX.
* THIS SEGMENT IS RECURRING (SHOULD NOT RECUR > 4 TIMES).
* THIS IS USED WHEN WL-OIL-WELL-CLAT-OR-DESIGNATED FLAG IN
* WLOETEX = "C" FOR WL-OIL-WELL-IS-CASING-LEAKAGE.
*
* SEGMENT NAME: WLOETDS RECORD LENGTH: 20 BYTES
* -----
* VARIABLE * SSA
* NAME * TYPE * NAME
* -----
* WL-OIL-E-TX-DESIGNATED-WL-KEY* SECONDARY INDEX * XETDSCD
* * * (WLS702)
* WL-OIL-E-TX-DESIGNATED-WL-KEY* SEARCH FIELD * WLETDSKY
* NOTE: SET UP AS NON-UNIQUE SO THIS WELL CAN BE A DESIGNATE
* FOR MORE THAN 1 CLAT WELL.
* TARGET SEGMENT IS WLROOT OF THE CLAT WELL CONTAINING
* THIS WELL AS A DESIGNATED WELL.)
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC. POS.
02 RRC-TAPE-RECORD-ID PIC X(02). 1
02 WL-OIL-E-TX-DESIGNATED-WL-SEG.
03 WL-OIL-E-TX-DESIGNATED-WL-KEY PIC 9(8) VALUE ZEROS.3
03 FILLER PIC X(12) VALUE ZEROS.11
02 RRC-TAPE-FILLER PIC X(0226). 23

```

```

*****
* WLW700H1 *
* *
*          THIS COPY IS USED FOR THE WELL DATABASE'S *
*          DESIGNATED WELLS FOR A CASING LEAKAGE WELL SEGMENT *
* *
* SEGMENT NAME: WLOETDS *
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
07	Designed Casing Leakage Well Segment

EAST TEXAS DESIGNATED WELL KEY (WL-OIL-E-TX-DESIGNATED-WL-KEY)

This data item indicates the designated wells assigned by a hearing to the CLAT well to determine the amount of casing leakage transfer assigned to the well. This data item is used when WL-OIL-WELL-IS-CLAT-FLAG in segment WLOETEX is set to 'C'. The key points to the well segment key, see WL-OIL-ROOT-KEY.

```

*****
*           THIS COPYLIB CREATED BY RXCOMP3   20110901
* WLW700I1
*           THIS COPY IS USED FOR THE WELL DATABASE'S
*           OIL ALLOWABLE TRANSFERS SEGMENT
*
* THIS SEGMENT IS NON-RECURRING.
*
* NOTE:  THE WL-OIL-TRANSFER-FROM-TO DATA ITEM IS READ AS
*        FOLLOWS:
*        THIS WELLROOT IS "SENDING TRANSFERS TO" THE
*        WELLS LISTED IN THE CHILD SEGMENT WLOTFWL.
*                <<OR>>
*        THIS WELLROOT IS "RECEIVING TRANSFERS FROM" THE
*        WELLS LISTED IN THE CHILD SEGMENT WLOTFWL.
*
*        WHEN A TRANSFER SITUATION EXISTS, THE TRANSFER
*        SEGMENTS OF BOTH WELLS INVOLVED "POINT" TO EACH
*        OTHER MEANING, BOTH WELLROOTS STATE THE WELL(S)
*        THEY ARE SENDING OR RECEIVING FROM.
*
* SEGMENT NAME:  WLOALTF                RECORD LENGTH:  21 BYTES
*-----*
* VARIABLE          *                TYPE          *      SSA      *
* NAME              *                *          *      NAME      *
*-----*
* NO KEY            *                *          *
*****

```

```

01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
    02  RRC-TAPE-RECORD-ID                                      PIC X(02).  1
    02  WL-OIL-ALLOWABLE-TRANSFERS-OR.
        03  WL-OIL-TRANSFER-FROM-TO                PIC X(1)    VALUE ZEROS.3
            88  WL-OIL-SENDING-TRANSFER-TO          VALUE 'T'.
            88  WL-OIL-RECEIVING-TRANSFER-FROM      VALUE 'F'.
        03  WL-OIL-MAX-CAN-RECV                    PIC +9(4)   VALUE ZEROS.4
        03  WL-OIL-TOTAL-ACTUAL-TRANSFER           PIC  9(4)   VALUE ZEROS.9
        03  WL-GAS-TOTAL-ACTUAL-TRANSFER           PIC  9(4)   VALUE ZEROS.13
        03  WL-OIL-ACTUAL-TRANSFER-TYPE            PIC  X(1)   VALUE ZEROS.17
            88  WL-OIL-ACTUAL-TYPE-IS-PRORATED      VALUE 'P'.
            88  WL-OIL-ACTUAL-TYPE-IS-MARGINAL      VALUE 'M'.
        03  FILLER                                  PIC X(06)   VALUE ZEROS.18
    02  RRC-TAPE-FILLER                                      PIC X(0225). 24

```

```

*****
* WLW700I1 *
* *
* THIS COPY IS USED FOR THE WELL DATABASE'S *
* OIL ALLOWABLE TRANSFERS SEGMENT *
* *
* SEGMENT NAME: WLOALTF *
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
08	Oil Allowable Transfers Segment

NOTE: The WL-OIL-TRANSFER-FROM-TO data item is read as follows:

This wellroot is "sending transfers to" the wells listed in the child segment WLOTFWL.

<<OR>>

This wellroot is "receiving transfers from" the wells listed in the child segment WLOTFWL.

When a transfer situation exists, the transfer segments of both wells involved "point" to each other i.e., both well roots state the well(s) they are sending or receiving from.

TRANSFERING TO OR FROM INDICATOR (WL-OIL-TRANSFER-FROM-TO)

This data item indicates whether a well is sending a transfer amount to another well or receiving a transfer amount from another well.

- T Transfer allowable to this well
- F transfer allowable from this well

MAXIMUM TRANSFER (WL-OIL-MAX-CAN-RECV)

This data item contains the maximum daily allowable amount a well can receive through transfer from another well in excess of its regular allowable.

TOTAL OIL AMOUNT TRANSFERRED (WL-OIL-TOTAL-ACTUAL-TRANSFER)

This data item contains the total actual oil allowable transferred from this well to the receiving wells.

TOTAL GAS AMOUNT TRANSFERRED (WL-GAS-TOTAL-ACTUAL-TRANSFER)

This data item contains the total actual gas limit transferred from this well to the receiving wells.

TYPE OIL ALLOWABLE TRANSFERED (WL-OIL-ACTUAL-TRANSFER-TYPE)

This code indicates the type of allowable transferred.

P Prorated allowable
M Marginal allowable

```

*****
*           THIS COPYLIB CREATED BY RXCOMP3  20110901
* WLW700J1
*           THIS COPY IS USED FOR THE WELL DATABASE'S
*           OIL TRANSFERRED WELLS SEGMENT
*
* SEGMENT NAME:  WLOTFWL           RECORD LENGTH:  32 BYTES
*-----*
* VARIABLE      *           TYPE           *           SSA           *
* NAME          *           *           *           NAME           *
*-----*
* WL-OIL-TRANSFERS-KEY *           KEY           *           WLOTFKY           *
*****
01 RAILROAD-COMMISSION-TAPE-REC.                                POS.
   02 RRC-TAPE-RECORD-ID                                       PIC X(02).  1
   02 WL-OIL-WELL-TRANSFERS-OR.
     03 WL-OIL-TRANSFERS-KEY.
       05 WL-OIL-WELL-TRANSFERRED   PIC 9(08)   VALUE ZEROS.3
       05 WL-OIL-TRANSFER-TYPE     PIC X(1)    VALUE ZEROS.11
       88 WL-OIL-TRANSFER-PRORATED  VALUE '1'.
       88 WL-OIL-TRANSFER-EXEMPT   VALUE '2'.
     03 WL-OIL-OIL-TRANSFER        PIC +9(4)   VALUE ZEROS.12
     03 WL-OIL-GAS-TRANSFER        PIC +9(4)   VALUE ZEROS.17
     03 FILLER                     PIC X(13)   VALUE ZEROS.22
   02 RRC-TAPE-FILLER                                           PIC X(0214). 35

```

```

*****
* WLW700J1 *
* * *
* THIS COPY IS USED FOR THE WELL DATABASE'S *
* OIL TRANSFERRED WELLS SEGMENT *
* * *
* SEGMENT NAME: WLOTFWL *
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
09	Oil Transferred Wells Segment

OIL WELL TRANSFER KEY (WL-OIL-TRANSFERS-KEY)

This group data item contains a key which includes the wellroot key and the type of allowable transferred.

WELLROOT KEY OF TRANSFER WELL (WL-OIL-WELL-TRANSFERRED)

This data item contains the wellroot to or from which a transfer amount is moved. (See WL-OIL-ROOT-KEY)

OIL WELL TRANSFER TYPE (WL-OIL-TRANSFER-TYPE)

This data item indicates the type of allowable transferred. Exempt is referred to as marginal in District 6E.

- 1 Prorated
- 2 Exempt

OIL TRANSFER AMOUNT (WL-OIL-OIL-TRANSFER)

This data item contains the daily amount of oil transferred to or from a well. This amount is not included in the regular oil allowable.

PRORATED GAS TRANSFER (WL-OIL-GAS-TRANSFER)

This data item contains the daily amount of casinghead gas transferred to or from a well.

```

*****
*           THIS COPYLIB CREATED BY RXCOMP3  20110901           *
*                                                                 *
*           THIS COPY IS USED FOR THE WELL DATABASE'S           *
*           PANHANDLE GAS PRODUCTION                             *
*                                                                 *
* THIS SEGMENT IS NON-RECURRING.                                *
*                                                                 *
* SEGMENT NAME:  WLPHPROD                                     LENGTH:  68 BYTES  *
*****
01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
    02  RRC-TAPE-RECORD-ID                                     PIC X(02).  1
    02  WL-PANHANDLE-GAS-PRODUCTION-OR.
        03  WL-OIL-CASINGHEAD-GAS-AMOUNT   PIC +9(09)          3
                                                VALUE ZEROS.
        03  WL-OIL-CASINGHEAD-GAS-PERCENT  PIC 9(3)V9(5)       13
                                                VALUE ZEROS.
        03  FILLER                           PIC X(50)          VALUE ZEROS.21
    02  RRC-TAPE-FILLER                                     PIC X(0178).  71

```

```

*****
* WLW700M1 *
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S *
*          PANHANDLE GAS PRODUCTION *
*
* SEGMENT NAME: WLPHPROD *
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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 Record Description
10 Panhandle Gas Production Segment

CASINGHEAD GAS AMOUNT (WL-OIL-CASINGHEAD-GAS-AMOUNT)

This numeric value is the amount of casinghead gas underage, a negative amount, or the amount of casinghead gas overage, a positive amount, accumulated this cycle. A value of zero means the well produced little or no casinghead gas.

CASINGHEAD GAS PERCENTAGE (WL-OIL-CASINGHEAD-GAS-PERCENT)

6

This numeric value is the percent of the wells portion of the total casinghead gas produced from the lease for this cycle. This percent is created by dividing the producing wells daily casinghead gas from the effective test by the total daily casinghead gas for the lease. the total daily casinghead gas for the lease is created by adding all the daily casinghead gas from the effective W-10 for every producing well on the lease for this cycle.

```

*****
* WLW700K2
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          PREVIOUS OIL WELL TYPES
*
* SEGMENT NAME:  WLOPV TYP          RECORD LENGTH:  2  BYTES
*-----*
* VARIABLE          *          TYPE          *          SSA          *
* NAME              *          *          *          NAME          *
*-----*
* NO KEY              *          *          *
*****
01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
    02  RRC-TAPE-RECORD-ID                                     PIC X(02). 1
    02  WL-PREVIOUS-WELL-TYPE-SEG.
        03  WL-PREV-WELL-TYPE                                PIC X(2)    VALUE ZEROS. 1
            88  WL-PREV-PRODUCING                          VALUE 'PR'.
            88  WL-PREV-ABANDONED                          VALUE 'AB'.
            88  WL-PREV-TEMP-ABANDONED                     VALUE 'TA'.
            88  WL-PREV-SHUT-IN                             VALUE 'SH'.
            88  WL-PREV-INJECTION                           VALUE 'IN'.
            88  WL-PREV-LPG-STORAGE                         VALUE 'LP'.
            88  WL-PREV-GAS-STRG-INJECTION                  VALUE 'GJ'.
            88  WL-PREV-GAS-STRG-WITHDRAWAL                 VALUE 'GW'.
            88  WL-PREV-GAS-STRG-SALT-FORM                  VALUE 'GL'.
            88  WL-PREV-WATER-SUPPLY                        VALUE 'WS'.
            88  WL-PREV-OIL-GEOTHERMAL                     VALUE 'GT'.
            88  WL-PREV-OBSERVATION                         VALUE 'OB'.
            88  WL-PREV-BRINE-MINING                       VALUE 'BM'.
            88  WL-PREV-TERRA                              VALUE 'TE'.
    02  RRC-TAPE-FILLER                                     PIC X(0244). 5

```

```

*****
* WLW700K1 *
* *
*          THIS COPY IS USED FOR THE WELL DATABASE'S *
*          PREVIOUS OIL WELL TYPES SEGMENT *
* *
* SEGMENT NAME: WLOPV TYP *
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
11	Previous Oil Well Types Segment

TYPE WELL (WL-PREV-WELL-TYPE)

This data item identifies the category to which the well has ever belonged. See appendix "A" for codes.

```

*****
*
*           THIS COPY IS USED FOR THE WELL DATABASE'S
*           PANHANDLE GAS BALANCING
*
* THIS SEGMENT IS NON-RECURRING.
*
* SEGMENT NAME:  WLPHBAL                      LENGTH:  50 BYTES
*****
01  RAILROAD-COMMISSION-TAPE-REC.                POS.
    02  RRC-TAPE-RECORD-ID                       PIC X(02).  1
    02  WL-PANHANDLE-GAS-BALANCING.
        03  WL-WELL-LOST-COMPL-2-8-FLAG          PIC X(1)    VALUE SPACE.3
           88  WL-WELL-LOST-COMPL-2-8           VALUE 'Y'.
        03  WL-LOST-COMPL-2-8-DATE.
           05  WL-LOST-COMPL-2-8-YEAR           PIC 9(4)    VALUE ZEROS.4
           05  WL-LOST-COMPL-2-8-MONTH         PIC 9(2)    VALUE ZEROS.8
           05  WL-LOST-COMPL-2-8-DAY           PIC 9(2)    VALUE ZEROS.10
        03  FILLER                               PIC X(41)   VALUE ZEROS.12
    02  RRC-TAPE-FILLER                          PIC X(0196). 53

```

```

*****
* WLW700N1 *
* *
*          THIS COPY IS USED FOR THE WELL DATABASE'S *
*          PANHANDLE GAS BALANCING *
* *
* SEGMENT NAME: WLPHBAL *
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
12	Panhandle Gas Balancing Segment

(WL-WELL-LOST-COMPL-2-8-FLAG) 1

This data item contains a flag to indicate that the well previously was compliant under guideline #2 or computer generated #8 of the panhandle order and has lost compliance because the at one time the leases average GOR for a 12 month period was greater than 5000 MCF.

(WL-LOST-COMPL-2-8-DATE)

This data item identifies the date the well lost compliance guideline #2 or computer generated guideline #8.

```

*****
*           THIS COPYLIB CREATED BY RXCOMP3   20110901
* WLW700L6
*
*           THIS COPY IS USED FOR THE WELL DATABASE'S
*           FORM W-10 SEGMENT
*
* W10 CYCLE KEY IS NON-UNIQUE, BUT WL-W10-DAY-KEY IS
* WL-W10-DAY-KEY = 99 - WL-W10-EFF-DAY (SO ALL W-10'S WILL BE
* IN ASCENDING ORDER BY KEY (DESCENDING BY DATE)).
*
* SEGMENT NAME:   WLOW10           RECORD LENGTH: 115 BYTES
* -----
* VARIABLE          *           TYPE          *           SSA          *
* NAME              *           *           *           NAME          *
* -----
* WL-W10-KEY        *   KEY           *   WLOW10KY          *
* WL-W10-TEST-DATE *   SEARCH          *   WLOTSTDT          *
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC.                                POS.
02 RRC-TAPE-RECORD-ID                                         PIC X(02). 1
02 WL-W10-INFORMATION-SEGMENT-OR.
03 WL-W10-KEY.
05 WL-W10-CYCLE-KEY          PIC 9(4)          VALUE ZEROS.3
05 WL-W10-DAY-KEY           PIC 9(2)          VALUE ZEROS.7
03 WL-W10-EFF-DATE.
05 WL-W10-EFF-YEAR          PIC 9(4)          VALUE ZEROS.9
05 WL-W10-EFF-MONTH        PIC 9(2)          VALUE ZEROS.13
05 WL-W10-EFF-DAY          PIC 9(2)          VALUE ZEROS.15
03 WL-W10-TYPE-STATUS-FLAG PIC X(1)          VALUE 'I'. 17
88 WL-W10-INITIAL-TEST     VALUE 'I'.
88 WL-W10-RETEST           VALUE 'R'.
88 WL-W10-SURVEY           VALUE 'S'.
88 WL-W10-W2               VALUE 'W'.
88 WL-W10-DUMMY            VALUE 'D'.
03 WL-W10-PRODUCING-METHOD PIC X(1)          VALUE ZEROS.18
88 WL-W10-VACUUM-RPT       VALUE 'V'.
88 WL-W10-STEAM-INJECTION-RPT VALUE 'S'.
88 WL-W10-SEC-HEAT-INJECT-RPT VALUE 'H'.
88 WL-W10-FLOWING-RPT     VALUE 'F'.
88 WL-W10-PUMPING-RPT     VALUE 'P'.
88 WL-W10-GAS-LIFT-RPT    VALUE 'G'.
88 WL-W10-SWAB-RPT        VALUE 'B'.
88 WL-W10-CARBON-DIOXIDE-RPT VALUE 'C'.
88 WL-W10-OTHER-PROD-METH-RPT VALUE 'O'.

```

03	WL-W10-PROD-METH-OTHER-RPT	PIC X(20)	VALUE ZEROS.19
03	WL-W10-TEST-DATE.		
	05 WL-W10-TEST-YEAR	PIC 9(4)	VALUE ZEROS.39
	05 WL-W10-TEST-MONTH	PIC 9(2)	VALUE ZEROS.43
	05 WL-W10-TEST-DAY	PIC 9(2)	VALUE ZEROS.45
03	WL-W10-DAILY-OIL	PIC +9(5)V9(1)	47 VALUE ZEROS.
03	WL-W10-DAILY-WATER	PIC +9(4)	VALUE ZEROS.54
03	WL-W10-DAILY-GAS	PIC +9(7)	VALUE ZEROS.59
03	WL-W10-GAS-OIL-RATIO	PIC +9(5)	VALUE ZEROS.67
03	WL-W10-SIWH-PRESSURE	PIC +9(6)	VALUE ZEROS.73
03	WL-W10-SIWH-DATE.		
	05 WL-W10-SIWH-YEAR	PIC 9(4)	VALUE ZEROS.80
	05 WL-W10-SIWH-MONTH	PIC 9(2)	VALUE ZEROS.84
03	FILLER	PIC X(6)	VALUE ZEROS.86
03	WL-W10-TYPE-WELL-FLAG	PIC X(2)	VALUE ZEROS.92
	88 WL-W10-INJECTION		VALUE 'IN'.
	88 WL-W10-ABANDONED		VALUE 'AB'.
	88 WL-W10-TEMP-ABANDONED		VALUE 'TA'.
	88 WL-W10-SHUT-IN		VALUE 'SH'.
	88 WL-W10-LPG-STORAGE		VALUE 'LP'.
	88 WL-W10-GAS-STRG-INJECTION		VALUE 'GJ'.
	88 WL-W10-GAS-STRG-WITHDRAWAL		VALUE 'GW'.
	88 WL-W10-GAS-STRG-SALT-FORM		VALUE 'GL'.
	88 WL-W10-WATER-SUPPLY		VALUE 'WS'.
	88 WL-W10-GEOTHERMAL		VALUE 'GT'.
	88 WL-W10-OBSERVATION		VALUE 'OB'.
	88 WL-W10-OTHER-SERVICE		VALUE 'OS'.
	88 WL-W10-PARTIAL-PLUG		VALUE 'PP'.
	88 WL-W10-SHUT-IN-MULTI-COMPL		VALUE 'SM'.
	88 WL-W10-BRINE-MINING		VALUE 'BM'.
03	FILLER	PIC X(6)	VALUE ZEROS.94
03	WL-W10-ISSUE-DATE.		
	05 WL-W10-ISSUE-YEAR	PIC 9(4)	VALUE ZEROS.100
	05 WL-W10-ISSUE-MONTH	PIC 9(2)	VALUE ZEROS.104
	05 WL-W10-ISSUE-DAY	PIC 9(2)	VALUE ZEROS.106
03	WL-W10-SURVEY-COUNTED-FLAG	PIC X(1)	VALUE ZEROS.108
	88 WL-W10-SURVEY-COUNTED		VALUE 'Y'.
03	WL-W10-FILED-EDI-FLAG	PIC X(1)	VALUE 'N'. 109
	88 WL-W10-FILED-EDI		VALUE 'Y'.
03	WL-W10-ALLOCATION-FLAG	PIC X(1)	VALUE 'N'. 110
	88 WL-W10-ALLOCATION		VALUE 'Y'.
03	WL-W10-2YR-SURVEY-COUNTED-FLAG	PIC X(1)	VALUE ZEROS.111
	88 WL-W10-2YR-SURVEY-COUNTED		VALUE 'Y'.
03	FILLER	PIC X(6)	VALUE ZEROS.112
02	RRC-TAPE-FILLER		PIC X(0131). 118

```

*****
* WLW700L1
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          FORM W-10 SEGMENT
*
* SEGMENT NAME: WLOW10
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
13	Form W-10 Segment

W-10 KEY (WL-W10-KEY)

This group data item contains a key which includes the cycle key and the calculated day key.

W-10 CYCLE KEY (WL-W10-CYCLE-KEY)

This data item contains the reporting cycle date when the W-10 test becomes effective in YYYY format.

W-10 DAY KEY (WL-W10-DAY-KEY)

This data item identifies the ascending order the W-10 tests become effective.

EFFECTIVE DATE (WL-W10-EFF-DATE)

This data item identifies the date that the W-10 test was made effective. Its format is YYYY/MM/DD.

RETEST FLAG (WL-W10-TYPE-STATUS-FLAG)

This data item indicates the type of W-10 test that is represented by this record.

I Initial test
R Retest
S Survey
W Form W2
D Dummy (used to initialize RRC database)

PRODUCING METHOD (WL-W10-PRODUCING-METHOD)

This data item indicates the producing method of the oil well as filed on the W-10 test.

V Vacuum
S Steam injection
H Secondary heat injection
F Flowing
P Pumping
G Gas lift
B Swabbing
C Carbon dioxide
O Other producing method

OTHER PRODUCING METHOD (WL-W10-PROD-METH-OTHER-RPT)

This data item indicates the producing method if the value of WL-OIL-PRODUCING-METHOD is "O" for other.

TEST DATE (WL-W10-TEST-DATE)

This data item indicates the date of the last test filed. It is stored in the format YYYY/MM/DD.

DAILY OIL (WL-W10-DAILY-OIL)

This data item contains the daily oil potential for the well as reported on the Form W-10.

DAILY WATER (WL-W10-DAILY-WATER)

This data item contains the number of barrels of water produced by the well as reported on the Form W-10.

DAILY GAS (WL-W10-DAILY-GAS)

This data item contains the amount of daily gas produced during the well potential test as submitted on the Form W-10.

GAS OIL RATIO (WL-W10-GAS-OIL-RATIO)

This data item contains the gas oil ratio of the well in cubic feet per barrel. It is used in all allowable calculations to determine if the well's production should be penalized. An oil well's production will be curtailed if the gas produced is greater than 2000 MCF of gas per barrel of oil.

SHUT-IN PRESSURE (WL-W10-SIWH-PRESSURE)

This data item indicates the amount of pressure recorded for shut-in wells. This data item is currently not used.

SHUT-IN WELLHEAD PRESSURE DATE (WL-W10-SIWH-DATE)

This data item contains the date the well was shut-in. The format is YYYY/MM.

TYPE WELL FLAG (WL-W10-TYPE-WELL-FLAG)

This data item contains a two-digit code for type of well if not producing. See Appendix "A" for codes.

PROCESSED DATE (WL-W10-ISSUE-DATE)

This data item contains the date the oil well status report (W-10) was processed. The format is YYYY/MM/DD.

```

*****
*          THIS COPYLIB CREATED BY RXCOMP3   20110901
* WLW700Q4
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          FORM W-10 PREVIOUS SEGMENT
*
* SEGMENT NAME:  WLOPVW10          RECORD LENGTH: 115 BYTES
*-----*
* VARIABLE          *          TYPE          *          SSA          *
* NAME              *          *          *          NAME          *
*-----*
*****
01 RAILROAD-COMMISSION-TAPE-REC.                                POS.
02 RRC-TAPE-RECORD-ID                                          PIC X(02). 1
02 WL-W10-PREV-INFO-SEGMENT-OR.
03 WL-W10-KEY-PREV.
05 WL-W10-CYCLE-KEY-PREV   PIC 9(4)          VALUE ZEROS.3
05 WL-W10-DAY-KEY-PREV    PIC 9(2)          VALUE ZEROS.7
03 WL-W10-EFF-DATE-PREV.
05 WL-W10-EFF-YEAR-PREV   PIC 9(4)          VALUE ZEROS.9
05 WL-W10-EFF-MONTH-PREV  PIC 9(2)          VALUE ZEROS.13
05 WL-W10-EFF-DAY-PREV    PIC 9(2)          VALUE ZEROS.15
03 WL-W10-TYPE-STATUS-FLAG-PREV PIC X(1)      VALUE 'I'. 17
88 WL-W10-INITIAL-TEST-PREV          VALUE 'I'.
88 WL-W10-RETEST-PREV                VALUE 'R'.
88 WL-W10-SURVEY-PREV                VALUE 'S'.
88 WL-W10-W2-PREV                    VALUE 'W'.
88 WL-W10-DUMMY-PREV                 VALUE 'D'.
03 WL-W10-PRODUCING-METHOD-PREV PIC X(1)      VALUE ZEROS.18
88 WL-W10-VACUUM-RPT-PREV            VALUE 'V'.
88 WL-W10-STEAM-INJ-RPT-PREV         VALUE 'S'.
88 WL-W10-SEC-HEAT-INJ-RPT-PREV     VALUE 'H'.
88 WL-W10-FLOWING-RPT-PREV           VALUE 'F'.
88 WL-W10-PUMPING-RPT-PREV           VALUE 'P'.
88 WL-W10-SWAB-RPT-PREV              VALUE 'B'.
88 WL-W10-GAS-LIFT-RPT-PREV          VALUE 'G'.
88 WL-W10-CARBON-DIOXIDE-RPT-PREV    VALUE 'C'.
88 WL-W10-OTHER-PRD-METH-RPT-PREV    VALUE 'O'.

```

03	WL-W10-PRD-METH-OTHER-RPT-PREV	PIC X(20)	VALUE ZEROS.19
03	WL-W10-TEST-DATE-PREV.		
05	WL-W10-TEST-YEAR-PREV	PIC 9(4)	VALUE ZEROS.39
05	WL-W10-TEST-MONTH-PREV	PIC 9(2)	VALUE ZEROS.43
05	WL-W10-TEST-DAY-PREV	PIC 9(2)	VALUE ZEROS.45
03	WL-W10-DAILY-OIL-PREV	PIC +9(5)V9(1)	47 VALUE ZEROS.
03	WL-W10-DAILY-WATER-PREV	PIC +9(4)	VALUE ZEROS.54
03	WL-W10-DAILY-GAS-PREV	PIC +9(7)	VALUE ZEROS.59
03	WL-W10-GAS-OIL-RATIO-PREV	PIC +9(5)	VALUE ZEROS.67
03	WL-W10-SIWH-PRESSURE-PREV	PIC +9(6)	VALUE ZEROS.73
03	WL-W10-SIWH-DATE-PREV.		
05	WL-W10-SIWH-YEAR-PREV	PIC 9(4)	VALUE ZEROS.80
05	WL-W10-SIWH-MONTH-PREV	PIC 9(2)	VALUE ZEROS.84
03	FILLER	PIC X(6)	VALUE ZEROS.86
03	WL-W10-TYPE-WELL-FLAG-PREV	PIC X(2)	VALUE ZEROS.92
88	WL-W10-INJECTION-PREV		VALUE 'IN'.
88	WL-W10-ABANDONED-PREV		VALUE 'AB'.
88	WL-W10-TEMP-ABANDONED-PREV		VALUE 'TA'.
88	WL-W10-SHUT-IN-PREV		VALUE 'SH'.
88	WL-W10-LPG-STORAGE-PREV		VALUE 'LP'.
88	WL-W10-GAS-STRG-INJECTION-PREV		VALUE 'GJ'.
88	WL-W10-GAS-STRG-WITHDRAWAL-PREV		VALUE 'GW'.
88	WL-W10-GAS-STRG-SALT-FORM-PREV		VALUE 'GL'.
88	WL-W10-WATER-SUPPLY-PREV		VALUE 'WS'.
88	WL-W10-GEOTHERMAL-PREV		VALUE 'GT'.
88	WL-W10-OBSERVATION-PREV		VALUE 'OB'.
88	WL-W10-OTHER-SERVICE-PREV		VALUE 'OS'.
88	WL-W10-PARTIAL-PLUG-PREV		VALUE 'PP'.
88	WL-W10-SHUTIN-MULTI-COMPL-PREV		VALUE 'SM'.
88	WL-W10-BRINE-MINING-PREV		VALUE 'BM'.
03	FILLER	PIC X(6)	VALUE ZEROS.94
03	WL-W10-ISSUE-DATE-PREV.		
05	WL-W10-ISSUE-YEAR-PREV	PIC 9(4)	VALUE ZEROS.100
05	WL-W10-ISSUE-MONTH-PREV	PIC 9(2)	VALUE ZEROS.104
05	WL-W10-ISSUE-DAY-PREV	PIC 9(2)	VALUE ZEROS.106
03	WL-W10-FILING-EDI-PREV-FLAG	PIC X(01)	VALUE ZEROS.108
88	WL-W10-FILING-EDI-PREV		VALUE 'Y'.
03	FILLER	PIC X(09)	VALUE ZEROS.109
02	RRC-TAPE-FILLER		PIC X(0131). 118

```

*****
* WLW700Q1 *
* *
* THIS COPY IS USED FOR THE WELL DATABASE'S *
* PREVIOUS OIL WELL STATUS REPORT (FORM W-10) SEGMENT *
* *
* SEGMENT NAME: WLOPVW10 *
*****

```

Note: This segment is used to hold W-10s that have the same effective date as the W-10 found in the WLOW10 segment. For an explanation of data fields see the WLOW10 segment.

W-10 KEY (WL-W10-KEY-PREV)

This group data item contains a key which includes the cycle key and the calculated day key.

W-10 CYCLE KEY (WL-W10-CYCLE-KEY-PREV)

This data item contains the reporting cycle date when the W-10 test became effective in YYYY format.

W-10 DAY KEY (WL-W10-DAY-KEY-PREV)

This data item identifies the ascending order the W-10 test became effective.

EFFECTIVE DATE (WL-W10-EFF-DATE-PREV)

This data item identifies the date that the W-10 test became effective. Its format is YYYY/MM/DD.

RETEST FLAG (WL-W10-TYPE-STATUS-FLAG-PREV)

This data item indicates the type of W-10 test that was represented by this record.

I Initial test
R Retest
S Survey
W Form W2
D Dummy (used to initialize RRC database)

PRODUCING METHOD (WL-W10-PRODUCING-METHOD-PREV)

This data item indicates the producing method of the oil well as filed on the W-10 test.

V Vacuum
S Steam injection
H Secondary heat injection
F Flowing
P Pumping
B Swabbing
G Gas lift
C Carbon dioxide
O Other producing method

OTHER PRODUCING METHOD (WL-W10-PROD-METH-OTHER-RPT-PREV)

This data item indicates the producing method if the value of WL-OIL-PRODUCING-METHOD-PREV is "O" for other.

TEST DATE (WL-W10-TEST-DATE-PREV)

This data item indicates the date the well was tested. It is stored in the format YYYY/MM/DD.

DAILY OIL (WL-W10-DAILY-OIL-PREV)

This data item contains the daily oil potential for the well as reported on the Form W-10.

DAILY WATER (WL-W10-DAILY-WATER-PREV)

This data item contains the number of barrels of water produced by the well as reported on the Form W-10.

DAILY GAS (WL-W10-DAILY-GAS-PREV)

This data item contains the amount of daily gas produced during the well potential test as submitted on the Form W-10.

GAS OIL RATIO (WL-W10-GAS-OIL-RATIO-PREV)

This data item contains the gas oil ratio of the well in cubic feet per barrel.

SHUT-IN PRESSURE (WL-W10-SIWH-PRESSURE-PREV)

This data item indicates the amount of pressure recorded for shut-in wells. This data item is currently not used.

SHUT-IN WELLHEAD PRESSURE DATE (WL-W10-SIWH-DATE-PREV)

This data item contains the date the well was shut-in. The format is YYYY/MM.

TYPE WELL FLAG (WL-W10-TYPE-WELL-FLAG)

This data item contains a two-digit code for type of well if the well is not a producing well. See Appendix "A" for codes.

PROCESSED DATE (WL-W10-ISSUE-DATE-PREV)

This data item contains the date the Form W-10 was processed. The format is YYYY/MM/DD.

FILED ELECTRONICALLY(WL-W10-FILING-EDI-PREV-FLAG)

This data item indicates if the Form W-10 was filed electronically. A value of 'Y' indicates filed electronically.

```

*****
* WLW70001
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          WELL REMARKS SEGMENT
*
*
* SEGMENT NAME:  WLREMARK          RECORD LENGTH:  90 BYTES
*-----*
* VARIABLE          *          TYPE          *          SSA          *
* NAME              *          *          *          NAME          *
*-----*
*  WL-REMARK-KEY    *          KEY          *          WLREMKY      *
*****
01  RAILROAD-COMMISSION-TAPE-REC.                                POS.
    02  RRC-TAPE-RECORD-ID                                     PIC X(02).  1
    02  WL-WELL-REMARKS.
        03  WL-REMARK-KEY                                     PIC 9(03)    VALUE ZEROS.3
        03  WL-WELL-REMARK-DATE.
            05  WL-REMARK-YEAR                             PIC 9(04)    VALUE ZEROS.6
            05  WL-REMARK-MON                             PIC 9(02)    VALUE ZEROS.10
            05  WL-REMARK-DAY                             PIC 9(02)    VALUE ZEROS.12
        03  WL-REMARK-TEXT                                  PIC X(66)    VALUE ZEROS.14
        03  WL-WELL-PRINT-ON-LEDGER-FLAG                   PIC X(01)    VALUE 'N'.
            88  WL-PRINT-ON-LEDGER                          VALUE 'Y'.
        03  FILLER                                          PIC X(12)    VALUE ZEROS.80
    02  RRC-TAPE-FILLER                                     PIC X(0156). 93

```

```

*****
* WLW70001
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          WELL REMARKS SEGMENT
*
* SEGMENT NAME:  WLREMARK
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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 Record Description
15 Well Remarks Segment

REMARKS KEY (WL-REMARK-KEY)

This data item contains the remark number. Remarks are stored in ascending order by this number.

REMARK DATE (WL-WELL-REMARK-DATE)

This data item contains the date a remark is generated, either free-hand or automatically as a result of other updates, in the format YYYY/MM/DD.

REMARK TEXT (WL-REMARK-TEXT)

This data item is the text of the remarks pertaining to a well.

PRINT ON LEDGER (WL-WELL-PRINT-ON-LEDGER-FLAG)

This data item indicates whether the remarks are to be printed on the ledger or not.

 N Will not print on ledger
 Y Will print on the oil ledger

```

*****
* WLW700P1
* THIS COPY IS USED FOR THE WELL DATABASE'S
* SEALED SEGMENT
*
*
* SEGMENT NAME: WLSEAL RECORD LENGTH: 35 BYTES
*-----*
* VARIABLE * TYPE * SSA *
* NAME * * NAME *
*-----*
* NO KEY * * *
*****
01 RAILROAD-COMMISSION-TAPE-REC. POS.
02 RRC-TAPE-RECORD-ID PIC X(02). 1
02 WL-OIL-GAS-SEALED-SEGMENT.
03 WL-SEALED-EFFECTIVE-DATE.
05 WL-SEALED-EFFECTIVE-CENTURY PIC 9(2) VALUE ZEROS. 3
05 WL-SEALED-EFFECTIVE-YEAR PIC 9(2) VALUE ZEROS. 5
05 WL-SEALED-EFFECTIVE-MONTH PIC 9(2) VALUE ZEROS. 7
03 WL-SEALED-REASON PIC X(2) VALUE ZEROS. 9
88 SEALED-FOR-XXXXXX VALUE ' '.
88 SEALED-FOR-DELINQ-PROD-RPT VALUE '01'.
88 SEALED-FOR-DISCREPANT-PROD VALUE '02'.
88 SEALED-FOR-NO-OIL-BUT-CSG-PROD VALUE '03'.
88 SEALED-FOR-NO-GAS-BUT-CON-PROD VALUE '04'.
88 SEALED-FOR-LIQUID-OVERPROD VALUE '05'.
88 SEALED-FOR-GAS-OVERPROD VALUE '06'.
88 SEALED-FOR-DELINQ-FORMS-PROR VALUE '07'.
88 SEALED-FOR-PROD-NOT-EQUAL-GATH VALUE '08'.
88 SEALED-FOR-DELINQ-H-10 VALUE '09'.
88 SEALED-FOR-DELINQ-H-5 VALUE '10'.
88 SEALED-FOR-FAIL-PROOF-AUTHORTY VALUE '11'.
88 SEALED-FOR-COMP-OPER-VIOLATION VALUE '12'.
88 SEALED-FOR-RULE-VIOLATIONS VALUE '13'.
88 SEALED-PRIOR-TO-CONVERSION VALUE '99'.
03 WL-SEALED-ISSUE-DATE.
05 WL-SEALED-ISSUE-YEAR PIC 9(4) VALUE ZEROS. 11
05 WL-SEALED-ISSUE-MONTH PIC 9(2) VALUE ZEROS. 15
05 WL-SEALED-ISSUE-DAY PIC 9(2) VALUE ZEROS. 17

```

03	WL-SEALED-ISSUED-BY	PIC X(2)	VALUE ZEROS.	19
	88 SEALED-BY-PRODUCTION-CLERK		VALUE 'PC'.	
	88 SEALED-BY-PRORATION-ANALYST		VALUE 'PA'.	
	88 SEALED-BY-FIELD-OPERATIONS		VALUE 'FO'.	
	88 SEALED-BY-COMMINGLE-AUDIT		VALUE 'CA'.	
	88 SEALED-BY-LEGAL-ENFORCEMENT		VALUE 'LE'.	
03	WL-SEAL-REMOVED-DATE.			
	05 WL-SEAL-REMOVED-YEAR	PIC 9(4)	VALUE ZEROS.	21
	05 WL-SEAL-REMOVED-MONTH	PIC 9(2)	VALUE ZEROS.	25
	05 WL-SEAL-REMOVED-DAY	PIC 9(2)	VALUE ZEROS.	27
03	FILLER	PIC X(09)	VALUE ZEROS.	29
02	RRC-TAPE-FILLER		PIC X(0211).	38

```

*****
* WLW700P1
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          WELL SEALED SEGMENT
*
* SEGMENT NAME: WLSEAL
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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 Record Description
13 Sealed Well Segment

CYCLE WHEN SEAL IS EFFECTIVE (WL-SEALED-EFFECTIVE-CYCLE)

This data item contains the date the seal order was to be effective. The format is YYYY/MM.

REASON FOR SEAL (WL-SEALED-REASON)

This data item indicates the reason the seal was placed on the well.

- 00 No reason is known
- 01 Delinquent production report
- 02 Discrepancies on production report
- 03 Reported casinghead gas but no oil
- 04 Reported condensate but no gas well gas
- 05 For liquid overproduction
- 06 For gas overproduction
- 07 For delinquent forms
- 08 Condensate amount produced does not match amount gathered
- 09 For delinquent H-10 form
- 10 For delinquent H-5 form
- 11 Failure to prove authority
- 12 Operator violations
- 13 Rule violations
- 99 Was sealed prior to database conversion, reason not known

DATE SEAL ISSUED (WL-SEALED-ISSUE-DATE)

This data item contains the date the seal was issued by the RRC.
The format is YYYY/MM/DD.

UNIT ISSUING SEAL (WL-SEALED-ISSUED-BY)

This data item indicates the section of the RRC that issued the seal.

PC	Production
PA	Proration
FO	Field operations
CA	Commingle audit
LE	Legal enforcement

DATE SEAL REMOVED (WL-SEAL-REMOVED-DATE)

This data item contains the date the seal was removed from the well. The format is YYYY/MM/DD.

```

*****
* WLW701E1
*
* THIS COPY IS USED FOR THE WELL DATABASE'S
* SENATE BILL 126 SEGMENT
*
* SEGMENT NAME: WLSB126 RECORD LENGTH: 25 BYTES
*
* *NON-RECURRING SEGMENT*
*****

```

```

01 RAILROAD-COMMISSION-TAPE-REC. POS.
02 RRC-TAPE-RECORD-ID PIC X(02). 1
02 WL-SB126-SEGMENT.
05 WL-SB126-CERT-FLAG PIC X(1) VALUE ZEROS. 3
88 WL-SB126-AUTO-CERT VALUE 'A'.
88 WL-SB126-MANUAL-CERT VALUE 'M'.
05 WL-SB126-CERT-EFFECT-DATE.
10 WL-SB126-CERT-EFFECT-CC PIC 9(2) VALUE ZEROS. 4
10 WL-SB126-CERT-EFFECT-YY PIC 9(2) VALUE ZEROS. 6
10 WL-SB126-CERT-EFFECT-MM PIC 9(2) VALUE ZEROS. 8
05 WL-SB126-CERT-LTR-DATE.
10 WL-SB126-CERT-LTR-CC PIC 9(2) VALUE ZEROS. 10
10 WL-SB126-CERT-LTR-YY PIC 9(2) VALUE ZEROS. 12
10 WL-SB126-CERT-LTR-MM PIC 9(2) VALUE ZEROS. 14
10 WL-SB126-CERT-LTR-DD PIC 9(2) VALUE ZEROS. 16
05 WL-SB126-TURNAROUND-LTR-DATE.
10 WL-SB126-TURNAROUND-LTR-CC PIC 9(2) VALUE ZEROS. 18
10 WL-SB126-TURNAROUND-LTR-YY PIC 9(2) VALUE ZEROS. 20
10 WL-SB126-TURNAROUND-LTR-MM PIC 9(2) VALUE ZEROS. 22
10 WL-SB126-TURNAROUND-LTR-DD PIC 9(2) VALUE ZEROS. 24
05 FILLER PIC X(2) VALUE ZEROS. 26
02 RRC-TAPE-FILLER PIC X(0221). 28

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*****
* WLW701E1
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          SENATE BILL 126 (2-YR INACTIVE) SEGMENT
*
* SEGMENT NAME: WLSB126
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
Value	Record Description
28	Senate Bill 126 Segment

CERTIFICATION FOR SENATE BILL 126 (WL-SB126-CERT-FLAG)

This data item indicates if this well has been certified for Senate Bill 126, and if so, how.

A	Automatically Certified
M	Manually Certified
0	Not Certified

CERTIFICATION EFFECTIVE DATE (WL-SB126-CERT-EFFECT-DATE)

This data item indicates the date that a well is certified to receive a tax credit under Senate Bill 126.
(Format: CCYYMM)

CERTIFICATION LETTER DATE (WL-SB126-CERT-LTR-DATE)

This data item indicates the date that a letter was sent to an operator notifying him that a tax credit can be given for a particular wells production.
(Format: CCYYMMDD)

TURNAROUND LETTER DATE (WL-SB126-TURNAROUND-LTR-DATE)

This data item indicates the date that a turnaround letter was sent to an operator notifying him that a tax credit can be given for a particular wells production if certification is requested by the operator.

(Format: CCYYMMDD)

```

*****
* WLW701B1
* THIS COPY IS USED FOR THE WELL DATABASE'S
* UIC OIL SCHEDULE SEGMENT
*
* SEGMENT NAME: WLOUIC RECORD LENGTH: 50 BYTES
*-----*
* VARIABLE * TYPE * SSA *
* NAME * * NAME *
*-----*
* NON-RECURRING SEGMENT
*****
01 RAILROAD-COMMISSION-TAPE-REC. POS.
02 RRC-TAPE-RECORD-ID PIC X(02). 1
02 WL-UIC-OIL-SCHEDULE-SEGMENT.
05 WL-OIL-UIC-CONTROL-NUMBER PIC 9(9) VALUE ZEROS. 3
05 WL-OIL-H-10-REQUIRED-FLAG PIC X(1) VALUE 'H'. 12
88 WL-OIL-H-10-REQUIRED VALUE 'H' 'Y'.
88 WL-OIL-H-10-H-REQUIRED VALUE 'Z'.
88 WL-OIL-W-10-REQUIRED VALUE 'W' 'N'.
05 WL-OIL-UIC-STATUS-DATE.
10 WL-OIL-UIC-4-DIGIT-YEAR.
15 WL-OIL-UIC-STATUS-CENTURY PIC 9(2) VALUE ZEROS. 13
15 WL-OIL-UIC-STATUS-YEAR PIC 9(2) VALUE ZEROS. 15
10 WL-OIL-UIC-STATUS-MONTH PIC 9(2) VALUE ZEROS. 17
10 WL-OIL-UIC-STATUS-DAY PIC 9(2) VALUE ZEROS. 19
05 WL-OIL-PREV-H-10-STATUS PIC X(1) VALUE SPACE. 21
05 WL-OIL-ROLL-SEGMENT-FLAG PIC X(1) VALUE 'Y'. 22
88 WL-OIL-ROLL-SEGMENT VALUE 'Y'.
05 FILLER PIC X(30) VALUE ZERO. 23
02 RRC-TAPE-FILLER PIC X(0196). 53

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*****
* WLW701B1
*
*          THIS COPY IS USED FOR THE WELL DATABASE'S
*          UIC OIL SCHEDULE SEGMENT
*
* SEGMENT NAME:  WLOUIC
*****

```

RRC-RECORD-ID

This two-digit number indicates the Railroad Commission (RRC) well database 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	Record Description
Value	Record Description
26	Oil Schedule/UIC Segment

UIC CONTROL NUMBER (WL-OIL-UIC-CONTROL-NUMBER)

This data item is the primary key to UIC database. It points to the UIC permit for a particular well.

SURVEY REQUIRED FLAG (WL-OIL-H-10-REQUIRED-FLAG)

Flag indicating which annual survey the well is required to file.

H or Y	- H-10	is required
Z	- H-10H	is required
W or N	- W-10	is required

OIL STATUS DATE (WL-OIL-UIC-STATUS-DATE)

This data item is not currently used.

PREVIOUS H-10 STATUS (WL-OIL-PREV-H-10-STATUS)

This data item is not currently used.

SEGMENT ROLL FLAG (WL-OIL-ROLL-SEGMENT-FLAG)

This data item indicates whether the WLOUIC segment will be included with the current month when the Railroad Commission "rolls" the next month onto its well database.

IV. APPENDIX A
TYPES OF OIL WELLS

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 (allowable is zero).
D	Disposal well.
H	Shut-in with pressure.
#	Restricted to 100% of the daily production test (DPT).
I	Injection well (allowable is zero).
J	Temporarily Abandoned (T.A.).
K	Shut-in well (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).
>	Delinquent H-10.
\$	Delinquent H-10H.

This code identifies the category to which the well belongs.

PR Producing oil well.
AB Plugged and abandoned well.
TA Temporarily abandoned well: a shut-in well that may or may not have pressure, and may or may not be used in the future. An operator has an RRC pre-determined amount of time to use or plug a well, however, with a 14(b)(2) extension the operator can extend the time period before making a decision and taking the appropriate action.
SH Oil well shut-in.
IN Injection Well.
LP LPG storage well: a well that is used for bulk storage of liquid petroleum products.
GJ Gas storage injection well: a well that is used for bulk storage of natural gas.
GW Gas storage withdrawal well: a well that is withdrawing natural gas that had previously been stored.
GL Underground Storage in Salt Formations: a well that is used for storage of liquid hydrocarbons or natural gas in a salt formation.
WS Water supply well: a well that supplies water for use in secondary or enhanced recovery.
GT Geothermal well: a well used to produce hot water, not related to oil production.
OB Observation well: a non-producing well that is used to observe pressure or other reservoir conditions.
OS Other service well: a service well not defined above.
PP Partially plugged well.
SM Shut-in side of a multiple completion.
BM Brine mining: a well that produces brine to recover dissolved components, not related to oil production.
NP Production reports have been filed indicating no production.
LU Lease use well: a well designated for some type of lease operation.
DW Domestic well: a fresh water well used to supply potable water for the land owner.
DI Disposal Well.
AI Air Injection.
GI Gas Injection.
WI Water Injection.
ST Steam Injection.
CO CO2 Injection.
GS Gas Storage.