



**RRC Online Oil and Gas Queries,
Wellbore Query Data**

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Purpose of Document

This document provides the file format and data dictionary for all wellbores that may be listed in the RRC Online Oil & Gas Data Wellbore Query.

Data Set Information

1. Description

This data set provides data related to oil and gas wellbores used in the RRC Online Oil & Gas Data Wellbore Query. The query URL is <http://webapps2.rrc.state.tx.us/EWA/wellboreQueryAction.do>. The Wellbore Query data set provides a way for users to search for wells by district, lease, county, field, operator, drilling permit number, API number, on/off schedule, or well type.

2. Subscription Service Availability

- Monthly – Please contact [Central Records](mailto:digital@rrc.state.tx.us) (e-mail digital@rrc.state.tx.us)

3. Data Set Size

- Large

4. Live Availability of Data

The data may be queried live via

<http://webapps2.rrc.state.tx.us/EWA/wellboreQueryAction.do>

5. Data Analysis Tools

- Data may be viewed using one or more different types of tools. Below is a list of general tools that may be used for data analysis.
 - For small data sets, [spreadsheet software](#) may be used to view the file(s).
 - For small and/or large data sets, [text editors](#) may be used to view the file(s).
- Data may be analyzed using one or more different types of tools.
 - For small and/or large data sets, database software may be used to analyze the file(s).
 - For small data sets, [spreadsheet software](#) may be used to analyze the file(s).

Data Export Information

File Name(s)	• OG_WELLBORE_EWA_YYYY-MM-DD.csv
Export Format	ASCII delimited file
File Delimiter	Comma – Chr(44)
Delivery Format	1. FTP (by subscription via Central Records, digital@rrc.state.tx.us) 2. CD/DVD (upon special request)

	3. SkyDrive Cloud service (upon special request)
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File Description

File Name	File Description
OG_WELLBORE_EWA_YYYY-MM-DD.csv	

Additional Information Regarding the Files

None

File Definitions

File Name	Data Field No.	Data Field Name
OG_WELLBORE_EWA	1	DISTRICT (AKA DISTRICT_CODE)
	2	COUNTY_CODE
	3	API_NO
	4	COUNTY_NAME
	5	OIL_GAS_CODE
	6	LEASE_NAME
	7	FIELD_NUMBER
	8	FIELD_NAME
	9	LEASE_NUMBER
	10	WELL_NO_DISPLAY
	11	OIL_UNIT_NUMBER
	12	OPERATOR_NAME
	13	OPERATOR_NUMBER
	14	WB_WATER_LAND_CODE
	15	MULTI_COMP_FLAG
	16	API_DEPTH
	17	WB_SHUT_IN_DATE
	18	WB_14B2_FLAG
	19	WELL_TYPE_NAME

File Name	Data Field No.	Data Field Name
	20	WL_SHUT_IN_DATE
	21	PLUG_DATE
	22	PLUG_LEASE_NAME
	23	PLUG_OPERATOR_NAME
	24	RECENT_PERMIT
	25	RECENT_PERMIT_LEASE_NAME
	26	RECENT_PERMIT_OPERATOR_NO
	27	ON_SCHEDULE
	28	OG_WELLBORE_EWA_ID
	29	W2-G1_FILED_DATE
	30	W2_G1_DATE
	31	COMPLETION_DATE
	32	W3_FILE_DATE
	33	CREATED_BY
	34	CREATED_DT
	35	MODIFIED_BY
	36	MODIFIED_DT
	37	WELL_NO
	38	P5_RENEWAL_MONTH
	39	P5_RENEWAL_YEAR
	40	P5_ORG_STATUS
	41	CURR_INACT_YRS
	42	CURR_INACT_MOS
	43	WL_14B2_EXT_STATUS
	44	WL_14B2_MECH_INTEG
	45	WL_14B2_PLG_ORD_SF
	46	WL_14B2_POLLUTION
	47	WL_14B2_FLDOPS_HOLD
	48	WL_14B2_H15_PROB
	49	WL_14B2_H15_DELO
	50	WL_14B2_OPER_DELO
	51	WL_14B2_DIST_SFP
	52	WL_14B2_DIST_SF_CLNUP
	53	WL_14B2_DIST_ST_PLG
	54	WL_14B2_GOOD_FAITH

File Name	Data Field No.	Data Field Name
	55	WL_14B2_WELL_OTHER
	56	SURF_EQP_VIOL
	57	W3X_VIOL
	58	H15_STATUS_CODE
	59	ORIG_COMPLETION_DT

Data Dictionary

The data dictionary provides the description of the data fields in the files. Highlighted fields are not available in the data subscription.

Data Field Name	Data Field Description
API_DEPTH	Total well(bore) depth Maximum depth of a well(bore) (also known as Total Depth in the Oil and Gas W-2/G-1 Record Screen)
API_NO	API (DOES NOT REFER TO American Petroleum Institute) Number – This is the 8 digit API stored by the Railroad Commission. The first three digits represent the county code and the last five digits represent the well. The RRC API number does not include the first 2 digits for the state, 11 and 12 position digits representing the wellbore or the optional extension digits after positions 11 and 12.
COMPLETION_DATE	Most recent date completion forms were completed for an oil or gas well. Forms include either a W-2 or G-1 form.
COUNTY_CODE	Unique id that is assigned to the county in which the well is located. Refer to RRC web for a list of codes; http://www.rrc.state.tx.us/divisions/og/information-data/ogicc.html
COUNTY_NAME	Indicates county in which the well is located. Refer to RRC web for a list of counties: http://www.rrc.state.tx.us/divisions/og/information-data/ogicc.html
CREATED_BY	User who updated this row of data last. Normally, should display “EWA Wellbore Ld” to describe the script which updates this table.
CREATED_DT	Date when row of data last updated from the script
CURR_INACT_MOS	This indicates the number of months the well has been inactive as of the current schedule month.
CURR_INACT_YRS	This indicates the number of years

Data Field Name	Data Field Description
	the well has been inactive as of the current schedule month.
DISTRICT	RRC District number (IN OG_WELLBORE_EWA TABLE, COLUMN NAME IS DISTRICT_CODE)
FIELD_NAME	Field in which the well is located. The field name exactly as shown on the RRC proration schedule. A field name is made up of a word chosen by the operator, the stratigraphic interval name of the formation, and the formation depth at which the field is located, e.g., Johnson Frio 4700. The operator submits to the Commission three field name choices. The Railroad Commission makes the final decision. The first choice is usually the name chosen as the official field name if the name does not already exist or cause conflict.
FIELD_NUMBER	RRC-assigned number for the field. An eight-digit number assigned to a field by the Field Designation section of the Oil and Gas division at the Railroad Commission. The first five digits of the field number are unique to each field. The last three numbers are the reservoir number. The numeric value of the first five digits is associated with the alphabet; as the alphabetic field name ascends, the value of the numbers increases. The three-digit reservoir number doesn't have an alphabetic/numeric relationship. (Note: Wildcat field names and numbers do not have an alpha/numeric relationship of any kind.)
H15_STATUS_CODE	Status of filing of H15 form that documents required test on wellbores that are more than 25 years AND has been inactive one year or more to ensure it poses no potential pollution threat to natural resources including surface and subsurface water, oil and gas.

Data Field Name	Data Field Description
	Status Codes: A – Approved C – Compliant D – Delinquent N – Not Approved P – Approved-Pending W – W3A-Extension U – UIC E – No-Test-Proj-Ext X – W1X Denied
LEASE_NAME	Name of the lease as filed by the operator. The Lease Name is indicated by the RRC proration schedule. It describes specific total lease/pooled unit/unitized acreage established for RRC regulatory purposes such as obtaining drilling permits and filing completion reports. All contiguous lease/pooled unit/unitized acreage must be identified with the exact same lease name. Lease names may contain up to 32 characters. Preferred formatting is for last names to be listed first, for example: Smith, John rather than John Smith.
LEASE_NUMBER	Numeric designation for the lease assigned by the RRC. For an oil well, this will be the lease number. For a gas well, this will be the gas well identification number. ** For permits with no lease number assigned yet, the oil and gas code will be "a". The number is displayed as 000000 on screens and in reports.
MODIFIED_BY	User who updated this row of data last. Normally, should display "EWA Wellbore Ld" to describe the script which updates this table. For reference by RRC
MODIFIED_DT	Date when row of data last updated from the script. For reference by RRC
MULTI_COMP_FLAG	Multi Completion Flag – This wellbore has more than one well completion in the wellbore during the history of the wellbore.

Data Field Name	Data Field Description
OG_WELLBORE_EWA_ID	Unique identifier of each row in this data set
OIL_GAS_CODE	Code designating if the well (specific well completion) is oil or gas.
OIL_UNIT_NUMBER	This item contains the unit number of a multi-well group (unit)
ON_SCHEDULE	Indicates if a well is on or off (the proration) schedule.
OPERATOR_NAME	Name of Operator of record for the well. A person, acting for himself or as an agent for others and designated to the Commission as the one who has the primary responsibility for complying with its rules and regulations in any and all acts subject to the jurisdiction of the RRC.
OPERATOR_NUMBER	A unique six-digit identifier assigned to each operator by the RRC.
ORIG_COMPLETION_DT	This date reflects the oldest well completion date on file according to Commission records, if this date is recorded in the agency database.
P5_ORG_STATUS	The status of the P5 organization. "A" = Active, "D" = Delinquent, "X" = Active-Ext, "H" = Active-Hrg, "I" = Inactive, "R" = Revoked. There are others, but not currently in use.
P5_RENEWAL_MONTH	The month in which the P5 is up for renewal.
P5_RENEWAL_YEAR	The year in which the P5 is up for renewal.
PLUG_DATE	Date well is plugged
PLUG_LEASE_NAME	Name of lease during period well plugged
PLUG_OPERATOR_NAME	Operator (name) during period well plugged
RECENT_PERMIT	Most recent drilling permit number
RECENT_PERMIT_LEASE_NAME	Most recent lease name with the drilling permit
RECENT_PERMIT_OPERATOR_NO	Most recent operator number with the drilling permit
SURF_EQP_VIOL	From the form W-3C record on the mainframe, indicating if an operator has not met requirements related to the removal of surface equipment from the site of an inactive well.

Data Field Name	Data Field Description
	Notes if there are violations related to the W-3C form .
W2-G1_FILED_DATE	Date on which the last W-2/G-1 data was added to the mainframe in the Oil and Gas W-2/G-1 Record screen. (IN TABLE, COLUMN NAME IS FILED_DATE)
W2_G1_DATE	This data item contains the date the W-2 or G-1 was received . The W-2 is the oil well potential test, completion or recompletion report. The G-1 is the gas well back pressure test, completion or recompletion report.
W3X_VIOL	Notes if there are any plugging violations (from the verification of the W-3X form submittal). The W-3X form is Application for an Extension of Deadline for Plugging and Inactive Well.
W3_FILE_DATE	This data item contains the date the W-3 form was filed. The W-3 form , plugging report, document the plugging of the well.
WB_14B2_FLAG	This data item is set when all the completions (a.k.a. wells) in the well(bore) have been shut-in for one year AND the wellbore is subject to the inactive well provisions of Rules 14 & 15.
WB_SHUT_IN_DATE	The year and month the wellbore is no longer producing. A shut in wellbore is capable of producing but is not presently producing. Reasons for a well being shut in may be lack of equipment, market or other.
WB_WATER_LAND_CODE	This code defines the water or land location of the wellbore. Codes may be: O – Offshore B – Bay/Estuary I – Inland Waterway L - Land
WELL_NO	Numeric or alphanumeric designation

Data Field Name	Data Field Description
	for the well
WELL_NO_DISPLAY	Numeric or alphanumeric designation for the well with spaces as submitted by operator
WELL_TYPE_NAME	Current type of well. Type of well may be: <ol style="list-style-type: none"> 1. ABANDONED 2. BRINE MINING 3. DOMESTIC USE WELL 4. GAS STRG-INJECTION 5. GAS STRG-SALT FORMATION 6. GAS STRG-WITHDRAWAL 7. GEOTHERMAL WELL 8. INJECTION 9. LPG STORAGE 10. NO PRODUCTION 11. NOT ELIGIBLE FOR ALLOWABLE 12. OBSERVATION 13. OTHER TYPE SERVICE 14. PARTIAL PLUG 15. PROD FACTOR WELL 16. PRODUCING 17. SEALED 18. SHUT IN 19. SHUT IN – MULTI- COMPLETIONS 20. SWR-10-WELL 21. TEMP ABANDONED 22. TRAINING 23. WATER SUPPLY
WL_14B2_DIST_SFP	A Rule 14 (B) (2) violation (district hold SFP) that would cause an extension request to be denied.
WL_14B2_DIST_SF_CLNUP	A Rule 14 (B) (2) violation (district SF Cleanup) that would cause an extension request to be denied.
WL_14B2_DIST_ST_PLG	A Rule 14 (B) (2) violation (District state plug) that would cause an extension request to be denied.
WL_14B2_EXT_STATUS	Status of a Rule 14 (B) (2) Extension
WL_14B2_FLDOPS_HOLD	A Rule 14 (B) (2) violation (field operations hold) that would cause an extension request to be denied.
WL_14B2_GOOD_FAITH	A Rule 14 (B) (2) violation (Good Faith violation) that would cause an extension request to be denied.
WL_14B2_H15_DELO	A Rule 14 (B) (2) violation (H15 not filed) that would cause an extension request to be denied.

Data Field Name	Data Field Description
WL_14B2_H15_PROB	A Rule 14 (B) (2) violation (H15 filing problem) that would cause an extension request to be denied.
WL_14B2_MECH_INTEG	A Rule 14 (B) (2) violation (mechanical integrity violation) that would cause an extension request to be denied.
WL_14B2_OPER_DELO	A Rule 14 (B) (2) violation (Operator Delinquent violation) that would cause an extension request to be denied.
WL_14B2_PLG_ORD_SF	A Rule 14 (B) (2) violation (plug order SF Hold violation) that would cause an extension request to be denied.
WL_14B2_POLLUTION	A Rule 14 (B) (2) violation (pollution violation) that would cause an extension request to be denied.
WL_14B2_WELL_OTHER	A Rule 14 (B) (2) violation (Well Other Flag) that would cause an extension request to be denied.
WL_SHUT_IN_DATE	The year and month the well is no longer producing. A shut in well is capable of producing but is not presently producing. Reasons for a well being shut in may be lack of equipment, market or other.

Terms

- **Completion** the activities and methods of preparing a well for the production of oil and gas or for other purposes, such as injection; the method by which one or more flow paths for hydrocarbons are established between the reservoir and the surface. There may be multiple completions in a single hole. A completion is also known as the well for the Railroad Commission. The completion is the perforation in a wellbore to allow flow of hydrocarbons.
- **Well** the hole made by the drilling bit, which can be open, cased, or both. Also called borehole, hole, or wellbore. For Railroad Commission purposes, a well is a completion or the perforation in a wellbore to allow flow of hydrocarbons.
- **Wellbore** a borehole; the hole drilled by the bit. A wellbore may have casing in it or it may be open (uncased); or part of it may be cased, and part of it may be open. Also called a borehole or hole.