Section G – Well Status Reports, Multiple Completions, Consolidate or Subdivide Leases, Tests on Inactive Wells More Than 25 Years Old, Plugging Wells

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W-10 Oil Well Status Report

SWR 53 - Status of Well to be Reported

Types

- A) Annual Survey
- B) Retest

When Do You Need to File a Form W-10?

- A) When you receive an annual survey.
- B) When your GOR lowers enough to affect your allowable.
- C) When a non-producing well starts to produce.
- D) When a producing well stops producing.

What is a Form W-10 Not Used For?

- A) To change well number. (File a Form W-2)
- B) To change operator. (File a Form P-4)
- C) To set up a new oil well. (File a Form W-2)
- D) To remove a well from schedule. (File a Form W-3)
- E) To change service well to producer or producer to service. (File a Form W-2)

Questions & Answers Pertaining to Oil Well Status Report

Question Pertains to (Form, Rule, Procedure)	Question	Answer	Contact
W-10	W-10 Where do I file my W-10? File Surveys and R on the RRC Online		Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
W-10	Do I have to file a W-10 on injection wells?	No, the Form H-10 is the appropriate form for an injection well.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
W-10	Can you backdate my survey?	The effective date will not be changed.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
W-10	How do I calculate my gas/oil ratio?	To calculate the GOR on a well, divide the gas production (cubic feet) by the barrels of oil produced.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
W-10	If I am overproducing my allowable, do I need to file a W-10?	W-10 Retests may resolve overproduction issues, contact Well Compliance for guidance.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov

Terms

- A) **Allowable** The amount of oil or gas that may be produced from a well per a unit of time. In Texas this figure is established monthly by the RRC.
- B) **GOR** The abbreviation for gas-oil ratio. This is calculated using the formula, cubic feet of gas divided by barrel of oil.
- C) **Oil Well** Any well, which produces one or more barrels of crude petroleum oil to each one hundred thousand cubic feet of natural gas.
- D) Service Well Any well not used for the purpose of producing hydrocarbons. (i.e., disposal, injection, or brine production)
- E) **Overproduction** Any production of hydrocarbons not covered by an allowable.
- F) **Operator** 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.
- G) **MCF** The abbreviation for one thousand cubic feet of gas.

Outline for W-10 Survey

- A) A listing of wells will be mailed out four months prior to the effective date of survey.
- B) There are six testing months followed by a due month and an effective month.
 - 1) Example:
 - a. Mail Out: 10/22/1996 b.Test Period: 08/1996, 09/1996, 10/1996, 11/1996, 12/1996 & 01/1997 c. Due Date: 02/01/1997
 - d.Effective Date: 03/01/1997
- C) Areas that cause problems
 - Surveys cannot be used as retest file W-10 Retest to adjust allowable. Late filings of a W-10 will cause the loss of an allowable.
 - 2) Well number changes cannot be made on a W-10 survey; file a W-2.
 - 3) A W-10 cannot be used to establish an initial allowable. An Initial Potential W-2 must be filed to establish the initial allowable.
 - 4) Test data
 - a. Oil barrels should be rounded off to nearest one-tenth barrel.
 - b. Water should be rounded off to nearest barrels.
 - c. Gas should be rounded off to nearest MCF.
 - 5) Nonproducing section
 - a. Change from producing to shut-in should be indicated with an X. Plugging operations should begin after 1 year or an extension to SWR 14 (b)(2) applied for.
 - b.If the well has been plugged or worked over and still appears on the W-10, show date plugged or the W/O and indicate if a W-3 has been filed.

Form W-10 Oil Well Status Report

PERATOR NAME AND ADDRESS, including city, state and zip	STATI RAILROAD C		PORT OF TEXAS	Reason For Filing Survey	Operator P-5 O	rganization No.	RRC Dist. No.	W-1 Rev. 7/9 WWW
	P.(nd Gas Divis D. Box 12967 Fexas 78711	7 -2967	Retest	Test Period: Due Date:			
FIELD NAME			F - FLOWING P - PUMPING	of	Effective Date:	WATER		
* LEASE NAME	LEASE NO.	WELL NO.	G - GAS LIFT S - SWABBING	DATE TESTED MO/DAY/YR	OIL PRODUCED (BBL/DAY)	WATER PRODUCED (BBL/DAY)	GAS PRODUCED (MCF/DAY)	SHUT-IN X
					• BBL	- BBL	. MCF	
		*			- BBL	- BBL	. MCF	
					- BBL	- BBL	MCF	
	Well num	er chang	es		• BB	Wells that c	hange from	
	cannot be	made on	Form W-			producing s	tatus to shut	-in
	10, a new					status shoul		- F
	with a lett	er of expl	anation.		• BB	Shut-In colu	mn.	
					• BBL	- BBL	. MCF	
					• BBL	- BBL	- MCF	
					• BBL	- BBL	- MCF	
					• BBL	• BBL	- MCF	
					- BBL	- BBL	- MCF	
					- BBL	- BBL	- MCF	
					• BBL	• BBL	- MCF	
					- BBL	- BBL	- MCF	
					• BBL	• BBL	- MCF	
					• BBL	• BBL	- MCF	
						. BBL	- MCF	1
ERTIFICATION: I declare under penalties prescribed in Texas Natural Resources Co	de, Sec. 91.143, that I am authorized	to make this rep	ort, that this report w	as prepared by me or un				rue, correct, an
mplete to the best of my knowledge.	Title:			Phone:			Date:	

Form W-10 Oil Well Status	s Report INSTRUCTIONS References: Statewide Rules 26, 27, 52, 53					
Purpose of Filing	• • • • • •					
Test Exemption	A producing well that is the only well on an oil lease is exempt from annual testing and will not be included on the pre-printed W-10 survey. NOTE: This exemption does not apply if the well is operating under any field rule or commingling exception that is in conflict with this exemption.					
Conducting the Test	 For a survey, test the well within the test period indicated at the top right of the survey form. The person conducting this test must be qualified by training or experience to make such tests. The test is to be carried out under normal operating conditions, at a stabilized rate. Use gas measurement methods as described in the current Commission publication <i>Gas-Oil Ratio Calculation</i>, or methods of at least equal accuracy. If the well being tested is a top allowable well or a high gas-oil ratio (GOR) well, test production over the applicable allowable or gas limit may need to be made up as overproduction. 					
Reporting The Test Results	 Report oil production in barrels of up to one decimal place, casinghead gas production in whole MCF (thousand cubic feet), and water production in whole barrels. Report casinghead gas volume in MCF measured at or corrected to a base pressure of 14.65 pounds per square inch absolute (psia) and a standard base temperature of 60 degrees Fahrenheit. Report only the formation gas production on gas lift or jetting wells. Formation production is the net production which equals the total gas minus the gas lift gas. Do not report injected gas volumes. 					
Non- Producing Wells	If the well is shut-in, indicate this by placing an X in the shut-in block. If you receive a survey with a non-producing well type, such as "observation," pre-printed on the survey and you are returning the well to production, you are required to also file a Form W-2, <i>Oil Well Potential Test, Completion or Recompletion Report</i> , for the well. If a well printed on the survey has been plugged, a Form W-3 must be filed with the appropriate district office.					
Filing the W-10 Report	A W-10 survey is due in Austin no later than the month indicated at the top right of the survey t form. Field-wide W-10 surveys are due the first day of the month following the end of the test period. File the completed W-10 report (original only) with: RAILROAD COMMISSION OF TEXAS, OIL AND GAS DIVISION, P.O. BOX 12967, AUSTIN, TX 78711-2967					

G-10 Gas Well Status Reports

SWR 53 - Status of Well to be Reported

SWR 28 - Potential and Deliverability of Gas Wells to Be Ascertained and Reported

Types

- A) Semi-Annual Survey
- B) Annual Survey
- C) Retest
- D) Initial Test
- E) Correction to Survey

When Do You Need to File a Form G-10?

- A) When you receive a semi-annual survey.
- B) When you receive an annual survey.
- C) When a nonproducing well, new completion, workover, or reclassification starts to produce.
- D) When a producing well stops producing.
- E) When a producing well's rate of production increases.

What Is a Form G-10 Not Used For?

- A) To change well number. (File a Form G-1)
- B) To change operator. (File a Form P-4)
- C) To remove a well from schedule. (File a Form W-3)
- D) To change service well to producer or producer to service. (File a Form G-1)

Questions & Answers Pertaining to Gas Well Status Report

Question Pertains to (Form, Rule, Procedure)	Question Answer		Contact
G-10	Where do I file my G-10?	File Surveys and Retests on the RRC online system.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
G-10	Do I have to file a G-10 on injection wells?	No, the form H-10 is the appropriate form for an injection well.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
G-10	Can you backdate my survey?	The effective date will not be changed.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
G-10	How do I calculate my gas/oil ratio?	The GOR is no longer required on the G-10. The Commission will calculate it for you.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
G-10	Where and how do I run a G-10 test?	Initial G-10 test is run after well is connected to the sales line. All deliverability (G-10 tests shall be performed by producing the subject well at stabilized rates for a minimum time period of 72 hours. (See SWR 28 for complete instructions.) Additional G-10 retests can be filed by operators at their discretion.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
G-10	Why is my G-10 delinquent?	The annual or semi-annual G-10 survey was not received on time.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
G-10	Do I need to file G-10's on low producing wells?	Wells with a recorded G- 10 test of 100 MCF or less or wells with a test of 250 MCF or less in fields without specific field rules are exempt from any further G-10 testing. (Exception: Wells with a commingling permit will appear on survey.)	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov

Terms

- A) **Survey** Annual or semi-annual filing of well status report that is initiated by the Commission.
- B) **G-10 Test** Well status report filed at operator's discretion or in response to a specific Commission request.
- C) **Daily MCF Gas** Gas measured in final 24 hours of test.
- D) **Deliverability** Volume of gas that the well is capable of producing into the sales line in a 24-hourperiod under normal operating conditions.
- E) Condensate/BBLS Liquid hydrocarbons produced by the gas well in a 24-hour period.
- F) **MCF** Thousand cubic feet.
- G) **API Gravity** Specific gravity measured in degrees on the American Petroleum Institute scale. Ratio between equal volumes of liquid hydrocarbons (condensate) and water.
- H) **SIWH** Stabilized shut-in well head pressure.

Test Requirements on Producing Wells

All producing wells require a daily producing rate, as well as date of test, along with gravities, condensate, water, shut-in pressure, and flowing pressure. **ALL wells** must be pre-flowed 48 hours before running a 24-hour test, for a total of 72 hours.

A condensate volume requires a condensate gravity and vice versa, to avoid an incomplete G-10 allowable. For Commingled wells, a condensate volume left blank or reported as zero can be shown.

Form G-10 Gas Well Status Report

OPERATOR NAME AND ADDRESS including city, state and zip		ELL STATU EPORT		Survey	Operator P-5 Organization No.	RRC Dist No.	G-10 REV. 09/2016
	Oil a P. Austin,	OMMISSION OF TEXAS and Gas Division O. Box 12967 Texas 78711-2967		Retest nitial Test Correction	Test Period : Due Date:		
	Page	of			Effective Date:		
Field Name	RRC IDENT. NO.	DATE TESTED MO/DAY/YEAR	GAS PRODUCED MCF/DAY **	CONDENSATE PRODUCED	WATER PROD BBL/DAY	***SIW PRESSURE	
*Lease Name	WELL NO.	MARK X FOR SHUT-IN WELL	GRAVITY GAS SPEC.	CONDENSATE GRAVITY(API)	X BOTTOMHOL PRESSURE PSI/		
			MCF	BBL	. BBL		
			MCF	BBL	BBL		
			·				
			MCF	BBL	BBL		
			MCF	BBL	BBL		
			·				
			MCF	BBL	BBL		
			·				
			MCF	. BBL	. BBL		
			·				
			MCF	BBL	BBL		
			MCF	BBL	BBL		
CERTIFICATION: I declare under penalties prescribed in Texas Natural Resource	r Code Sec 01 143 that I w	authorized to make this present th	this report was near-ord b		tion and that data and facto state	d barain ara tras correct	omplate to the best of my knowledge
	s c.oue, sec. 71.143, that I an						
Signature:					Phone:	Date:	

** GAS PRODUCTION RATE, IN MCF, IS TO BE REPORTED FOLL-WELL STREAM, INCLUDING CONDENSATE *** PRESSURE FOR THE TEXAS HUGOTON FIELD IS REPORTED IN PSIG AN *X* PREPRINTED ON A SURVEY IN THE BOTTOMHOLE PRESSURE BOX INDICATES A BOTTOMHOLE PRESSURE MUST BE REPORTED FOR THE WELL

Form G-10: G	as Well Status Report INSTRUCTIONS Reference: Statewide Rules 28, 31, 55, 71
Purpose of Filing	File the Form G-10 survey at the direction of the Railroad Commission when the FormG-10 is mailed to you with basic information pre-printed, including testing, filing, and effective dates. The Form G-10 may also be filed at any time to report an initial test, a retest, or to correct information already filed. A Form G-10 must be filed on each new gas well after the well is connected to a sales line in order for an allowable to be assigned.
Conducting the T est	 The person conducting this test must be qualified by training or experience to make such tests. Use gas measurement methods as described in the current Commission publications Gas-Oil Ratio Calculation and Back Pressure Test for Natural Gas Wells, State of Texas, or methods of at least equal accuracy. Perform the test with the same equipment used during normal operations. The test to determine the daily deliverability volume is to be of 72 hours minimum duration; pre-flow the well a minimum of 48 hours to stabilize it at a daily rate not less than 75% of the producing rate observed during the final 24 hours of the test. The average producing rate during that initial minimum 48-hour stabilization period is the average of the producing rates during the two 24-hour component periods. If the well produces condensate, measure dry gas volume and condensate volume during each 24 hours of the overall test period. The reported test rate, that is, the daily deliverability volume you will be reporting on the Form G-10, is the actual production during the final 24 hours of the overall test period. Obtain prior approval from the district office before conducting a test of less than 72-hours duration. Under no circumstance is the deliverability volume. If the well produces full-well stream, conduct and report the test in accordance with Statewide Rule 55(b).
Reporting the Test Results	 Report full-well stream deliverability volume in MCF (thousand cubic feet) measured at a base pressure of 14.65 pounds per square inch absolute (psia) and a standard base temperature of 60° Fahrenheit. To obtain the full-well stream deliverability volume, add the gas equivalent of any condensate produced during the final 24 hours to the dry gas volume metered during the same time period. If the actual gas equivalent of the condensate has not been determined by laboratory analysis, use a value of 1.1 MCF per barrel. For wells producing full-well stream to a plant or central facility, report the calculated condensate production in accordance with Statewide Rule 55(a). Report liquid hydrocarbons or condensate, in barrels of 42 U.S. gallons at 60° Fahrenheit.
Filing the G-10	File the completed G-10 report (original only) with Austin no later than (15) days after the date the test is completed. Field-wide G-10 surveys are due the first day of the month following the end of the test period. File the G-10 with: RAILROAD COMMISSION OF TEXAS, OIL AND GAS DIVISION, P.O. BOX 12967, AUSTIN, TEXAS 78711-2967.
Various	TEST EXEMPTION. An initial deliverability test is required on a well with a deliverability of less than 100 MCF/day. If, however, deliverability and production remain at or less than 100 MCF/day, or, in fields without special field rules, at or less than 250 MCF/day, the well is exempt from further G-10 testing and will not be listed on the Commission computer-generated G-10 surveys. NOTE: this exemption does not apply if the well is operating under any field rule or commingling exception which is in conflict with this exemption.
	BOTTOM HOLE PRESSURE. Report BHP for prorated wells which have BHP as a part of the allocation for mula, in addition to filing Form W-7. Take the BHP during the same test period as the survey.
	SHUT-IN WELLHEAD PRESSURE FOR PRODUCING WELLS. If the 24-hour shut-in wellhead pressure is determined at a time; other than during the deliverability test, report the date the measurement was made in the space directly below the date tested. If a previously determined shut-in pressure from the six-month period prior to the test is not available, record a shut-in pressure from immediately prior to or after the deliverability test in accordance with SWR 28(c) and report only the date tested.
	The operator may estimate the Shut-In Wellhead Pressure (SIWP) by calculation. If this method is used, it must be accompanied by a letter from a professional engineer licensed in accordance with Chapter 1001 of the Texas Occupations Code.
	SHUT-IN WELLS. Report the shut-in pressure, if any, in the SIWH Pressure block and, in the Shut-In block enter an "X" on all shut-in wells.
	FIELD RULES. Operators are to observe all testing and reporting requirements as set out in applicable field rules.

09/16

General Forms Required for Multiple Completion

Checklist

Check List	Form	Authorization
	W-4	SWR 6 – Application for multiple completion.
	W-4A	SWR 6 – Sketch of multiple completion installation.
	W-5	SWR 6 – Packer setting report (for packer/tubing type multiple completions).
	W-15	SWR 6 – Copy of all cementing reports (for tubingless completions).
	W-6	SWR 6 – Communication or packer leakage test. Original communication or packer leakage test pressure recorder charts.

Note: Applications for multiple completion and the required accompanying data is filed with the Engineering unit of the Commission's Technical Permitting section, per SWR 6 (a)

Questions & Answers Pertaining to Multiple Completions

Questions Pertaining to (Form, Rule, Procedure)	Question	Answer	Contact
W-4	Where do I send the completed multiple completion application?	The Engineering Unit of the Technical Permitting Section in Austin.	Engineering Unit 512-463-1126
W-4	Is there a filing fee?	No.	
W-4	Do I send notice to anyone?	Yes. Send a copy of the W-4 to your immediate offset operators. Indicate in item 11(b) on the W-4 the date you sent notice to the offsets.	Engineering Unit 512-463-1126
W-4	What alphabetic codes do I use in item 9(a) on the W- 4?	Use "C" and "T" to designate the upper and lower completions in a single tubing string/packer completion. Use "U" and "L" to designate the upper and lower completions in a two tubing string/packer completion. (Use "U", "M", and "L" for a triple completion). Use "D" and "F" to designate the upper and lower completion in a two tubingless completion. ("D", "F" and "H" for a triple completion.)	Engineering Unit 512-463-1126
W-4A	Do I fill out both sides of W-4A?	No. Only the side that best depicts your completion. Side 1 is used for conventional packer/tubing completions. Side 2 is used for tubingless	Engineering Unit 512-463-1126
W-4A	If none of the sketches on the W-4A matches my completion, can I submit my own sketch?	Yes.	Engineering Unit 512-463-1126
W-5	I have a tubingless completion. Do I still need to submit a W-5?	Only if you have a packer. You should attach a copy of all W-15 cementing reports to the rest of the multiple completion application. The original W-15's will be filed with the W-2 or G-1.	Engineering Unit 512-463-1126
	What if I am experiencing problems with my well and cannot shut in one or both zones to run a communication test?	Contact an Oil & Gas Division Engineering Unit in Austin, Texas for instructions.	Engineering Unit 512-463-1126
W-4	Do I submit an application for multiple completion if one or both are disposal/injection?	Yes.	Engineering Unit 512-463-1126
	Do I need to submit a log with my application?	Yes, with your W-2 or G-1 submit either a log or Form L-1 marked "Confidential"	Engineering Unit 512-463-1126
W-4, W-4A, W-5, W-6 & Packer Leakage Test Charts	If I work one of the completions over to another zone, do I need to file a new multiple completion application?	Yes.	Engineering Unit 512-463-1126
W-6 & Packer Leakage Test Charts	How often must I run a communication test?	Anytime you do any work on the well which disturbs (moves) the packer.	Engineering Unit 512-463-1126

Terms (Multiple Completions)

- 1.) **Tubingless Completion** Two or more strings of tubing or production casing cemented in the hole. The cement between the strings of pipe prevents communication between zones.
- 2.) **Conventional or Packer/Tubing Completion** Multiple completion involving one or more strings of tubing. One or more packers are used to prevent communication between zones.
- 3.) **Communication or Packer Leakage Test** Pressure test conducted to demonstrate that there is no communication between the zones. Instructions for conducting this test are on the back of Form W-6.

Form W-4 Application for Multiple Completion

RAILROAD COMMISSION OF TEXAS OL AND GAS DIVISION

Form W-4 (Rev. 8-27-69)

APPLICATION FOR MULTIPLE COMPLETION

1. Field Name	2. RRC District			
3. Operator	4. County			
5. Lease Name(s) and RRC Lease Numb	6. Well Number			
 Are the reservoirs herein requested to Commission as separate reservoirs as t to this question is "NO". ALL OPERA" 	(type of co the result of prior application		(. If answer
8. Identify one instance (operator, lease, v in this field.	vell number) wherein the	Commission granted a	multiple completion includ	ting these same zones
9. MULTIPLE COMPLETION DATA	DUAL CO	DIFTION		
	1st (Upper) Zone	<u>MPLETION 2nd Zone</u>	3rd Zone	4th Zone
(a) RRC Alphabetic Code Designation (Multiple Well Completion Designation - See Instructions on reverse side.)	Ist (Upper) Zone	2nd Zone	of d Zone	4th Zone
(b) Name of Reservoir (If reservoir name is shown on proration schedule, use that name)				
(c) Type of Production (oil or gas) (If used for injection, state type fluid injected.)				
(d) Depth to Top of Pay Section (ft.)				
(e) Depth to Bottom of Pay Section (ft.)				
(f) Producing Interval(s) (top to bottom)				
 The following supporting evidence is at (a) Electrical Log with tops and bottom (b) Packer Setting Report and/or Ceme (c) Communication or Packer Leakage (d) Sketch of Multiple Completion Insta 	s of producing zones and inting Report e Test (with Recorder Cl	perforated intervals sh	own and marked	
 List below or on an attached sheet AL mailing address. 	L OFFSET OPERATOR	S to the lease on which	h this well is located togeth	her with their correct
(a) Attach Letters of Waiver from Of(b) Furnish each Offset Operator with		form and give date fu	mished.	

(APPLICANTS MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.)

12. Is this a regular location with respect to all zones?

(y es or no)

(yes or no)

13. If the answer to Item 12 is "NO", has a Rule 37 Hearing been held on zones affected by such rule? State the Rule 37 Case Number.

14. Is the fluid produced from any of these zones conducive to corrosion to the extent that any resulting corrosion will damage tubing or casing?

15. Remarks:

I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge.

Date		Signature
Operator		Name of Pers on (type or print)
Street Address or P.O. Box		Title of Person
		Telephone:
City, State	Zip Code	Area Code

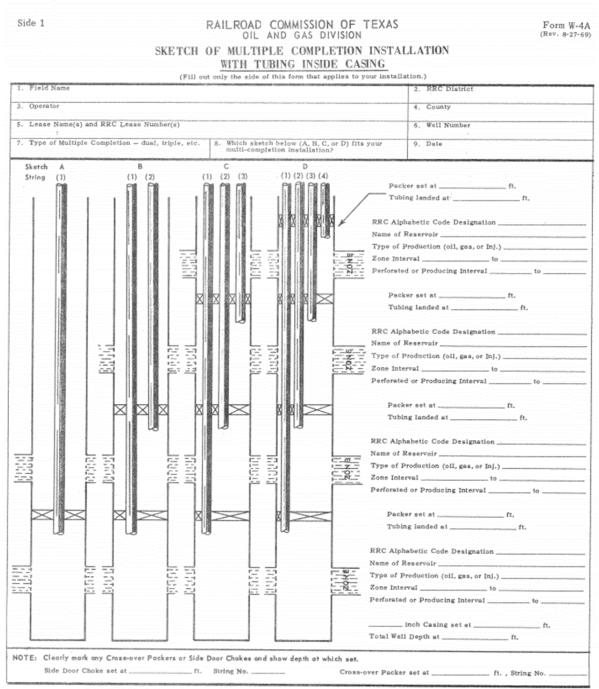
INSTRUCTIONS -

- 1. File the original and one copy of this form in the Railroad Commission District Office with the following REQUIRED ATTACHMENTS:
 - (a) Packer Setting Report (Form W-5) where applicable and/or Cementing Report (Form W-15).
 - (b) Communication or Packer Leakage Test (Form W-6).
 - (c) Sketch of Multiple Completion Installation (Form W-4A).

(d) Letters of Waiver from offset operators, or evidence that notice of the application to multicomplete was given to said operators.

- (e) Electrical Log showing subsurface location of the separate reservoirs claimed.
- The required attachments in (a), (b), and (c) above shall be filed in <u>duplicate</u>.
 This form may be used for a dual, triple, or quadruple completion. If more than four zones are involved, use this form and add an attached sheet.
- 4. If any completion is to be used for injection, separate permission to inject must be obtained from the Commission.
- 5. For Item 9(a), the following Multiple Well Completion Designation shall be used.

RRC ALPHABETIC	FORMERLY USED
CODE DESIGNATION	DESIGNATION
с	c
Т	T
U	UT OR UC
L	LT or LC
М	MT or MC
P	UMT or UMC
Q	LMT or LMC
D	S-1-C, S-1 or W or W-C
Ε	S-1-T or W-T
F	S-2-C, S-2 or X or X-C
G	S-2-T or X-T
Н	S-3-C, S-3 or Y or Y-C
Ι	S-3-T or Y-T
J	S-4-C, S-4 or Z or Z-C
К	S-4-T or Z-T
N	S-5-C or S-5
0	S-5-T



Form W-4A Sketch of Multiple Completion

- INSTRUCTIONS FOR SIDE 1 -

 Fill out only the side of this form that applies to your multiple completion installation. This side may be used for a dual, triple, or quadruple completion. If none of the sketches fits your installation, draw your installation on an attached sheet showing the identical required information.

 If this side of the form is used, two copies of Form W-5, PACKER SETTING REPORT (for each packer set); two copies of Form W-6, COMMUNICATION OR PACKER LEAKAGE TEST; an Electrical Log; and two copies of this form must be filed with the two copies of Form W-4, APPLICATION FOR MULTIPLE COMPLETION, in the RRC District Office. RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION SKETCH OF MULTIPLE COMPLETION INSTALLATION WITH MULTIPLE STRINGS CEMENTED IN PLACE Form W-4A (Rev. 8-27-69)

Field Name		2. RRC District
Operator		4. County
Lease Name(s) and RRC Lease Num	ber(s)	6. Well Number
Type of Multiple Completion - dual,		
Type of autopie Completion - dust,	maple, etc.	8. Date
String (1)	(2) (3) (4)	
{		
2 B		Top of Cement at ft.
(A)		
		RRC Alphabetic Code Designation
		Name of Reservoir
		Type of Production (oil, gas, or Inj.)
		Zone Interval to
		Perforated or Producing Interval to
		inch Casing set at
		RRC Alphabetic Code Designation
		Name of Reservoir
		Type of Production (oil, gas, or Inj.)
N		Zone Interval to
		Perforated or Producing Interval to
(2) 第		inch Casing set at
21 3		
		RRC Alphabetic Code Designation
		Name of Reservoir
		Type of Production (oil, gas, or Inj.)
		Zone Interval to
		Perforated or Producing Interval to
		inch Casing set at
		RRC Alphabetic Code Designation
	The second secon	Name of Reservoir
0 N	A CONTRACT OF A	Type of Production (oil, gas, or Inj.)
		Zone Interval to
{ LB		Perforated or Producing Interval to
		inch Casing set at f
		Total Well Death at
		Total Well Depth at ft.

- INSTRUCTIONS FOR SIDE 2 -

 Fill out only the side of this form that applies to your multiple completion installation. This side may be used for two, three, or four strings cemented in place. If this sketch cannot be adapted for your installation, draw your installation on an attached sheet showing the identical required information.

2. If this side of the form is used, two copies of Form W-15, CEMENTING REPORT; two copies of Form W-6, COMMUNICATION OR PACKER LEAKAGE TEST; an Electrical Log; and two copies of this form must be filed with the two copies of Form W-4, APPLICATION FOR MULTIPLE COMPLETION, in the RRC District Office.

Side 2

Form W-5 Packer Setting Report

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Form W-5 (Rev. 8-27-69)

PACKER SETTING REPORT

1. Field Name	2. RRC District
3. Operator of Well	4. County
5. Lease Name(s) and RRC Lease Number(s)	6. Well Number
7. Make and Type of Packer	8. Depth at which Packer was set (ft.)
9. Depth Measurement in Item 8 furnished by:	10. Date Packer was set
11. Remarks:	
in the annular space between the two strings of pipe where the packer	n Items 1 through 11. The purpose of setting this packer was to effect a seal was set so as to prevent the comming-ling, in the bore of this well, of fluids a stratum above the packer. The make and type packer set was adequate to rings of pipe when it was properly set. This packer was properly set.
	esources Code, that I am authorized to make this report, that this report was and facts stated therein are true, correct, and complete, to the best of my
Date	Signature of Person Making Report
Employer	Name of Person (type or print)
Street Address or P.O. Box	Title of Person
City, State Zip Code	Telephone: Area Code

Form W-15 Cementing Report

		Form W-15 Rev. 08/2014 ter: Fill in shaded areas. or: Fill in other items.							
CEMENTING REPORT									
Operator Name:	OPERATOR INFORMATION Operator Name: Operator P-5 No.:								
Cementer Name:			Cementer P-5 No.:						
1		WELL INFO	ORMATION			-			
District No.:		WELLING	County:						
Well No.:			API No.:	Drill	ing Permi	it No.:			
Lease Name:			Lease No.:						
Field Name:			Field No.:						
		I. CASING CEN	MENTING DATA						
Type of casing:	Conductor Surfa	ce Intermediate	Liner F	roduction					
Drilled hole size (in.):		Depth of drilled hole (f	(t.):	Est. % wash-o	ut or hole	enlargement:			
Size of casing in O.D. (in	de la	Casing weight (lbs/ft) a		No. of central		-			
	to ground surface (or bott		Setting depth shoe (ft.)						
	NO If no for surface cas		Security deput side (ic.)		f liner (ft.	.): liner (ft.):			
Hrs. waiting on cement	before drill-out:	Calculated top of ceme	tot (ft.):	Cementing da	• •				
the marting on centeric			JRRY	concinentation da					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu	i. ft.)	Height (ft.)			
1									
2									
3									
Total									
		II. CASING CEM	MENTING DATA						
Type of casing: Sur	face Intermediate	Production Taper	ed production Mult	i-stage cement s	hoe 🗌	Multiple parallel strings			
Drilled hole size (in.):		Depth of drilled hole (f	ft.):	Est. % wash-o	ut or hole	enlargement:			
Size of casing in O.D. (in	n.):	Casing weight (lbs/ft) a	and grade:	No. of central	izers used	1:			
Tapered string drilled h			Tapered string depth o	f drilled hole (ft.	.)				
Upper:	Lower:		Upper:		Lower:				
Tapered string size of ca Upper:	asing in O.D. (in.) Lower:	Tapered string casing w Upper:	eight(lbs/ft) and grade Lower:	Tapered string Upper:	no. of ce	entralizers used Lower:			
		tom of cellar) outside casi			shoe (ft.)				
Hrs. waiting on cement		Calculated top of ceme	- 1 1	Setting departance (rc).					
ris. warding on centeric	before drin-out.		JRRY	Centenning da					
Slurry No.	No. of Sacks	Class	Additives	Volume (cu	(ft.)	Height (ft.)			
1									
2									
3									
Total									
		III. CASING CE	MENTING DATA						
Type of casing: Sur	face Intermediate			tage cement/DV	/ tool	Multiple parallel strings			
Drilled hole size (in.):		Depth of drilled hole (f	ft.):	Est. % wash-o	ut or hole	enlargement:			
Size of casing in O.D. (in	de la	Casing weight (lbs/ft) a		No. of central					
Tapered string drilled h		casing weight (los/11/4	Tapered string depth o						
Upper:	Lower:		Upper:		Lower:				
	Tapered string size of casing in O.D. (in.) Tapered string casing weight(lbs/ft) and grade Tapered string no. of centralizers used								
	Upper: Lower: Upper: Lower: Upper: Lower: Was cement circulated to ground surface (or bottom of cellar) outside casing? YES NO Setting depth tool (ft.):								
		-		Setting depth					
Hrs. waiting on cement	before drill-out:	Calculated top of ceme		Cementing da	te:				
Shurey No.	No. of Sacks	Class	Additives	Volume (cu	(ft)	Height (ft.)			
Slurry No.	no. or sacks	Cidos	Additives	volume (cu		neight (it.)			
2									
3									
Total									

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
CIBP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Sacks of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)			1			8	
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs/gal)			1			1	
Class/type of cement							
Perforate and squeeze (YES/NO)							

CEMENTER'S CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

Name and title of cementer's representative			Cementing Company			Si	Signature						
Address		City,	State,	Zip Code		Tel: Area Code	Number	-	Date:	mo.	day	yr.	-
OPERATOR'S CERTIFICATE:	I declare under penalties	prescribed	in Sec.	91.143,	Texas N	Natural Resources	Code, that	I am a	autho	rized	to m	ake	this

certification, that I have knowledge of the well data and information presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Typed or printed name of operator's representative		Title			Signature				
Address	City,	State,	Zip Code	Tel: Area Code	Number	Date:	mo.	day	yr.

Instructions for Form W-15, Cementing Report

NOTICE: The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Potential Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

A. What to file: An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.

The Form W+15 should be filed with the Form W+3, Plugging Record, unless the Form W+3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.

- B. How to file: An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (https://webapps.rrc.texas.gov/security/login.do) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12967, Austin, Texas 78711-2967).
- C. Surface casing: An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.

To plug and abandon a well, operators must use only cementers approved by the Commission's Director of Field Operations in accordance with SWR 14 (http://info.sos.state.tx.us/pis/pub/readtacSext.TacPage?sI=R&app=9&p_dir=&p_rloc=&p_ploc=&p_ploc=&pg=1&p_tac=&ti=16&pt=1&ch=3&rl=14). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.

- D. Estimated % wash-out: If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- E. Multi-stage cement: An operator must report the multi-stage cement shoe in II. Casing Cementing Data section by selecting the type of casing and Multi-stage cement shoe. The operator must report the multi-stage cement tool in III. Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- F. Multiple parallel strings: An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- G. Slurry data: If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.

Form W-6 Communication or Packer Leakage Test

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

Form W-6 (Rev. 1-8-70)

1.	COMMUNICATION OR PACKER LEAKAG							2. RRC District					
3.	Operator								4. County				
5.	Lease Name(s) and RRC Lease Number(ame(s) and RRC Lease Number(s) 6. V						6. Wel Number					
zo	NE INFORMATION	1 =	(Upper) Z	one		2nd Zone			3rd Zone			4th Zone	
7.	RRC Alphabetic Code Designation (Multiple Well Completion Designa- tion - See Instructions, reverse side.)												
	Name of Reservoir (If reservoir name is shown on proration schedule, use that name.) Type of Production (oil or gas)												
<i>y</i> .	(If used for injection, state type fluid injected.)												
10.	Producing Interval(s)												
11.	Date & Hour well shut-in prior to testing. (All zones shut-in.)												
12.	Stabilized shut-in pressure prior to producing any zone (psig)												
DA	TA ON PRODUCING COMPLETION			DUAL CON	APLETIO	N							
			Test No. 1			Test No. 2	2		Test No. 3			Test No. 4	Ļ
13.	ZONE PRODUCING (Fill in under each test the appropriate RRC Alpha- betic Code Designation from Item 7.)												
14.	Stabalized shut-in pressure prior to producing this zone. (psig)	Sa	ne as Item	12									
15.	Producing method & choke size (inches)												
16.	Date & Hour completion opened.												
17.	Stabalized flowing pressure while producing (psig)												
18.	Length of time required for stabil- ization of flowing pressure. (hrs.)												
19.	Date & Hour completion shut-in.												
20.	Stabalized shut-in pressure after producing this zone. (psig)												
21.	Time required for obtaining above stabilized shut-in pressure. (hrs.)												
22	Amount of oil produced during test. (bbls.)												
23.	Amount of gas produced during test. (MCF)												
24.	Amount of water produced during test. (bbls.)												
	TA ON SHUT-IN COMPLETION(S) ZONE(S) SHUT-IN (Fill in under each test the appropriate RRC Alpha- betic Code Designation from Item 7.)												
26.	Stabalized shut-in pressure prior to to this test. (psig)	Same as Item 12	Same as Item 12	Same as Item 12									
27.	Minimum shut-in pressure during test. (psig)												
28.	Maximum shut-in pressure during test. (psig)												
29.	Stabalized shut-in pressure at the end of the test. (psig)												
30.	Maximum pressure change of shut- in completion during test. (psig) (+ Increase) or (- Decrease)												

(APPLICANTS MUST COMPLY WITH THE INSTRUCTIONS ON REVERSE SIDE HEREOF.)

-OVER-

31. Was the Commission's District Office	e notified of this test 24 hours prior to	the shut-in of all completions at the start of this test?
32. Remarks :		
	yme or under my supervision a	al Resources Code, that I am authorized to make this report, nd direction, and that data and facts stated therein are true,
Date		S iena ture
Operator		Name of Person (type or print)
Street address or P.O. Box		Title of Person Telephone:
City, State	Zip Code	Area Code

- INSTRUCTIONS -

- 1. This form may be used for a dual, triple, or quadruple completion.
- 2. The original and one copy of this form shall be filed with the Railroad Commission District Office.
- 3. The Commission's District Office shall be notified 24 hours prior to conducting this Communication or Packer Leakage Test.
- 4. After allowing all zones to build up and stabilize, the general procedure for the Communication or Packer Leakage Test involves testing <u>each zone</u> by (a) a draw-down producing test (one zone producing and all other zones shut-in) followed by (b) a build-up test after producing that zone (all zones shut-in).
- 5. Prior to beginning the test, <u>all zones</u> shall be shut-in a sufficient length of time to allow wellhead pressures to become stabilized and for a minimum of 2 hours thereafter. Under shut-in conditions, stabilization may be considered attained when the rate of pressure build-up does not exceed one pound per 30 minute period. If all the zones shut-in will not stabilize in 24 hours, the zones do not have to remain shut-in longer than the 24 hour period, and thus the operator may proceed.
- 6. If a zone is on gas lift, the gas lift supply valve should be closed except during lifting or producing operations.
- During any test, the rate of production for the zone being produced shall not be less than the anticipated calendar day allowable for an oil well and shall not be less than the anticipated maximum daily withdrawal for a gas well.
- 8. For Test No. 1, the well shall be produced in one zone with the other zone(s) shut-in until the producing wellhead pressure has become stabilized and for a minimum of 2 hours thereafter. Under flowing conditions, the pressure may be considered stabilized when it does not vary more than 0.1% of the original shut-in well head pressure during a 15 minute interval. For a producing zone which will not stabilize in 24 hours, the zone does not have to be produced any longer than 24 hours trying to reach stabilization.
- 9. Following <u>each test</u>, all <u>zones</u> shall be shut-in until wellhead pressures have become stabilized and for a minimum of 2 hours thereafter. If all the zones shut-in will not stabilize in 24 hours, the zones do not have to remain shut-in longer than the 24 hour period, and thus the operator may proceed.
- 10. For the next test, produce one zone that has not already been produced, with the other zone(s) shut-in.
- 11. For triple or more completions, repeat Instructions 9 and 10 until all zones have been tested.
- 12. All pressures shall be measured with recording gauges. <u>The maximum capacity of the pressure recording gauge should not be more than twice the expected shut-in pressure</u>. The original charts shall be submitted along with this form. The accuracy of the recording gauges should be checked periodically during the tests with a dead weight test gauge.
- 13. For Items 7, 13, and 25, the following Multiple Well Completion Designation shall be used.

RRC ALPHABETIC CODE DESIGNATION	FOR MERLY USED DESIGNATION
L	
· · · · · · · · · · · · · · · · · · ·	

RAILROAD COMMISSION REPRESENTATIVE: The undersigned Commission Representative has witnessed and/or checked the foregoing test.

Signature of Commission Representative

P-6 Request for Permission to Consolidate/Subdivide Leases

SWR 80 - Additional Forms Requested

Checklist

- A) Form P-6
- B) Form P-4
- C) Before Plat
- D) After Plat

When to File

- A) When two or more developed leases or parts thereof are consolidated into an existing lease(s) or a newly created lease.
- B) When a developed lease(s) is divided into two or more Leases.

When Not to File

- A) When undeveloped acreage is to be divided from an Existing lease(s).
- B) When Proposed consolidated lease will have two or more Operators of record.
- C) When leases to be consolidated are not contiguous.
- D) If leases being consolidated or subdivided are in different regulatory fields.

Questions & Answers Pertaining to P-6 Request for Permission to Consolidate/Subdivide Leases

Question Pertains to (Form, Rule, Procedure)	Question	Answer	Contact
P-6	We are going to drill a new well on the lease that we are subdividing. Do we include this well in the subdivision?	The only wells that are included in a subdivision or consolidation are the wells that are on the proration schedule at the time of subdivision or consolidation.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
P-6	Can I make this effective back when the well(s) were first drilled?	We want a consolidation or subdivision effective the first day of a current month.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
P-6	P-6 Do the before and after plats have to be the same scale?		Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
P-6	Does the previous P-6 operator have to sign the P-4?		Well Compliance 512-469-6975 prorationunit@rrc.texas.gov
P-6	Do we have to change the well number?	If two existing leases are to be consolidated and the lease receiving the new well(s) has not had a well with your well number, you do not have to change the well number. If the receiving lease has ever had a well with your well number, then it will have to be changed.	Well Compliance 512-469-6975 prorationunit@rrc.texas.gov

Terms

- A) Lease The tract of land included in the proration units of a well(s).
- B) **Operator of Record** The operator that appears in the Commission records to be responsible for a lease.
- C) **Contiguous** Two or more tracts of land that are touching at any point, regardless of the size of contact.

Form P-6 Request for Permission to Consolidate/Subdivide Leases

)il and Gas Division O Box 12967 sustin TX 78711-2967		E OIL LEASE(S)	P-6
ww.rrc.texas.gov	READ INSTR	UCTIONS ON BAC	Ж	WWW-1
 Receiving Operator name, exactly as shown 	on P-5 Organization Report	2. Operator P-5 no.	 RRC district no County 	. 5. Purpose of Filing: Consolidation Subdivision
 Operator address including city, state, and z 	ip code	7. Field name exactly	as shown on proration	n schedule
8. Are any of the leases being subdivided or co	nsolidated currently overproduced or	in violation of statewide n	ules? (check one)	No Yes
. Lease to be subdivided or leases to be con LEASE NAME	olidated. List lease names and wel			ssion Oil Proration Schedule. BERS (e.g.: 1, 2, 3-U, 3-L, 4,etc.
(1)				
(2)				
(3)				
10. Lease(s) resulting from subdivision or af number changes, give both old and new LEASE NAME		change, show the number	er under "old".	RS ; API NUMBER 42-
(1)				
(2)				
(3)				
11. Is the ownership, working interest, and the				Yes (See instruction D)
 Is the acreage listed for the resulting leases DPERATOR CERTIFICATION: I certify that apervision and direction, and that the data and 	t I am authorized to make this reques	t, that it was prepared by n		Reviewer's initials:
ignature		Date		
Name (print or type)		Title		
hone number (with area code)		E-mail address (optional)		

Instructions

Form P-6: Request for Permission to Subdivide or Consolidate Oil Lease(s)

- Reference: Statewide Rule 26, Separating Devices, Tanks, and Surface Commingling of Oil; Statewide Rule 27, Gas to Be Measured and Surface Commingling of Gas; Statewide Rule 38, Well Densities; and Statewide Rule 39, Proration and Drilling Units – Contiguity of Acreage and Exception Thereto.
 - A. When to Use the P-6. A P-6 must be used when subdividing an oil lease into two or more oil leases or consolidating two or more oil leases into one or more oil leases.
 - B. Where and What to File. File the P-6 and plats (original and four copies) with the Railroad Commission in Austin. The P-6 and plats are filed along with the original Form P-4(s), Certificate of Compliance and Transportation Authority (rev. 05/02).
 - C. Listing Leases/Wells and Filing Form P-4. SINGLE OPERATOR subdivisions or consolidations. If an operator is subdividing a lease into other leases for which it also is the operator, or if an operator is consolidating leases into a lease or leases for which it is also the operator, the Form P-6 must be completed in entirety and filed by the operator. If more space is required in Item 9 or 10, attach a listing in the same format. A Form P-4 must also be filed for the lease or leases that result from the subdivision or consolidation.

OPERATOR CHANGE subdivisions or consolidations. If an operator is subdividing a well or wells on a lease to a different operator, or if two different operators operate leases that are being consolidated, a Form P-4 and sufficient financial assurance under Rule 78 must be filed for each lease involving transfer of operator. Both the previous operator and the receiving operator must sign the P-4, the purpose of filing must be indicated (subdivision or consolidation), and the wells that are to be included in the leases that result from the subdivision or consolidation listed on a Form P-6. The Form P-6 must be completed in its entirety and filed by the operator of the resulting leases. If more space is required in Item 9 or 10, attach a listing in the same format.

- D. Statement of Ownership. Indicate if the ownership, working interest, and the royalty interest for the leases listed in Items 9 or 10 that are being subdivided or consolidated are identical as to both the identity of the interest owners and as to the percentage of interest, by checking "yes" or "no" in Item 11. If the ownership is <u>not</u> identical, Commission legal staff will review the application and you will be required to show how the correlative rights of all interest owners will be protected.
- E. Plats. Two plats are to be filed with the P-6 one showing the boundaries of the lease(s) before and one showing the boundaries of the lease(s) after the subdivision or consolidation. Indicate lease and proration unit boundaries by heavy or dotted lines; do not shade entire leases or proration units. Identify and label by well number every well within the unit(s); on "before plat", use well numbers identical to those shown on the Commission Oil Proration Schedule. If there are field rules with acreage in the allocation formula, identify and label the proration acreage for each well.

Plats are to be drawn to scale; 1"=1000' or 1"=2000' is preferred but 1"=1200' is acceptable. Each plat is to have the following information printed on it: operator name, field name, direction of north, scale used, certification by survey company or operator that the plat is true and correct, a legend, legal location (survey, section, block name, county and abstract), whether the plat represents the "before" or the "after", and total acreage in lease(s).

F. Acreage. In Item 12, indicate if the lease acreage listed in Item 10 is contiguous for each lease by checking "yes" or "no". If the acreage from the resulting leases is not contiguous, further commission staff review will be required and a Rule 39 exception may be necessary. Acreage totals in Item 9 must equal acreage totals in Item 10.

H-15 Test on an Inactive Well More than 25 Years Old

Questions & Answers Pertaining to Test on an Inactive Well More than 25 Years Old

Questions Pertaining to (Form, Rule, Procedure)	Questions	Answer	Contact
SWR 14(B)(3) "Plugging"	Do I have to test my wells that are 25 or more years old, and inactive one year or more?	Pursuant to Statewide Rule 14(b)(3), the answer is yes. Testing is required to ensure that the wellbore does not pose a threat of pollution to natural resources including surface and subsurface water, oil and gas.	Field Ops (512) 463-6912
SWR 14(B)(3)	What type of test should be performed?	An annual fluid level test must indicate adequate separation between the base of usable-quality water at the location of the wellbore and the static level (top) of the fluid in the wellbore. As an alternative to the annual fluid level test, a mechanical integrity test (MIT) may be performed. If the MIT is successful, the well does not have to be tested for H-15 purposes for up to five years. A mechanical integrity test that has been conducted successfully within the preceding five years where the results are on file with the Commission may be acceptable. Contact the appropriate District Office at least 48 hours prior to conducting any H-15 test.	Field Ops (512) 463-6912
Form H-15 "Test on an Inactive Well More than 25 Years Old"	What determines the age of the wellbore.	The age of the well is based on the date that the well was originally drilled (spudded). If that is not known, the date of the initial completion (even if plugged) of the wellbore is used.	Field Ops (512) 463-6912
Procedure	How do I know which wells need testing?	You are ultimately responsible for identifying wells that need testing and testing them in a timely manner. Effective January 2008, the test schedules are mailed out monthly, and will be based on the testing schedule for the assigned field. The start of testing will coincide with the annual surveys (G10/W10) scheduled for each field and will allow 90 days to complete testing.	Field Ops (512) 463-6912
Procedure	If the wellbore fails the test, who do I notify?	The appropriate Commission District Office should be notified of any failed test. At that time instructions will be given on how to bring the wellbore into compliance. Compliance may be achieved by plugging the well or repairing the well to successfully pass an H-15 test.	Appropriate District Office
Form H-15 "Test on an Inactive Well More than 25 Years Old"	Can I just send a letter telling the Commission I tested a well?	No. The test must be reported on Commission Form H-15. The H-15 report is to be filed with the Commission within the 30 days after the test is conducted.	Field Ops (512) 463-6912
Form H-15	Where do I file the Form H-15 Report?	File a Fluid Level H-15 Test Report with the Commission's Field Operations Austin Office. File a Mechanical Integrity Test H-15 (original and one copy) with the Commission's District Office. The MIT must be reviewed and approved by the appropriate District Office.	Appropriate District Office
Procedure	According to our records, one of the wells in the Commission list of wells due for testing is less than 25 years old. What should I do?	Complete all identifying areas of the Form H-15, attach a copy of the supporting documentation such as a copy of the W-2, G-1 or well card and mail it to the Commission's Austin office. A review of the records will determine if the well requires or is exempt from testing.	Field Ops (512) 463-6912
Procedure	Am I eligible to receive an extension to file my test?	Yes, you may be eligible for a limited extension, 30 days initially. Extension requests must be filed in writing with the Commission's Field Ops Austin Office.	Field Ops (512) 463-6912

Form H-15 Test on an Inactive Well More than 25 Years Old

RAILROAD COMMISSION OF TEXAS Oil and Gas Division

TEST ON AN INACTIVE WELL MORE THAN 25 YEARS OLD

H-15 Rev. 8/93

20 11	AKS OLD	
1. OPERATOR NAME exactly as on P-5, Organization Report	2. OPERATOR P-5 NO.	3. RRC DISTRICT NO.
 OPERATOR ADDRESS including city, state, and zip code 	5. FIELD NAME exactly as on Proration Sc	hedule
	6. LEASE NAME exactly as on Proration S	chedule
7. HISTORICAL WELLBORE DATE Month / Dav / Year Drilling (spud) Earliest completion date of date in wellbore (if wellbore drilling date unknown)	8. OIL LEASE OR GASID NO.	9. WELL NO.
10. DATE TESTPERFORMED 11. BASE OF DEEPEST USABLE- QUALITY WATER (subsurface)	12. COUNTY	13. APINO. 42-
 14. TYPE OF TEST. Complete either A or B. A. Annual Fluid LevelTest Top of fluid in we llbore: (give total depth of wellbore if no fluid is encountered) Determined by: sonic survey wireline visual (to be used only when the top of fluid is visible from surface) other: specify Performed by: (name of individual and company) 15. OPERATOR REMARKS 	 B. Mechanical Integrity Test. Type of mechanical integrity test performance of the source of the sourc	ermed (check one):
	well - perpendicular surface location from tw feet from feet from	on earest survey lines: line and line.
Signa ture	Name (print or type)	()
Title	Date	Phone
Austin RRC	Use Only	District
Pending: Data forwarded to District for review.		Not Approved schanic al integrity test approved ears (from date performed)
	review date	

Form H-15: Tes Wei	t on an Inactive Il Over 15 Years Old	Reference: Statewide Rule 14(b)(2)
1. Testing Requirements	A wellbore that is 25 or more years old that has been inactive one year potential pollution threat to natural resources including surface and subs level test must indicate an adequate separation between the base of the d the wellbore and the top of the fluid on the wellbore.	surface water, oil, and gas. An annual fluid
	You may choose to perform a mechanical integrity test instead of the flui no other test is required for up to five years. A mechanical integrity test the preceding five years where the results are on file with the Commission	t that has been conducted successfully within
	NOTE: Beginning January 1, 1997, a wellbore that is 25 or more years to undergo the mechanical integrity test.	old and inactive 10 or more years is required
2. MULTIPLE COMPLETIONS	The wellbore, rather than any individual completion, is subject to the S The age of the oldest completion, even if plugged, determines if testing report for a wellbore is necessary. In completing the H-15, show the c 6, 8, and 9 list all associated field and lease names, oil lease/gas ID and we	g is required. Only one test and one H-15 common API number in Item 13; in Items 5,
3. COMMISSION LISTING & DISCREPANCIES	You are responsible for testing and reporting test results in a timely n Statewide Rule $14(b)(2)$ test provisions. However, to assist you, the Cd wells due for testing by the following June 1. If the information in you the appropriate area of the H-15, list both the information from the list wellbore date discrepancies only if the difference is more than one year; a well cards, etc.). If there are differences in API, lease, and/or well id 16 with location information. If you did not test the wellbore because or has gone back on production, is an active injection well, etc.) or change areas (Items $1 - 9$, 12, 13), attach supporting documentation (W-3, W-2) the Commission in Austin. Use Item 15 as needed for explanation.	ommission in mid-Summer mails a listing of ur records differs from that on the listing, in ting and from your files. Indicate historical ttach substantiating documentation (W-2/G-1, lentification information, also complete Item f a change of status (the wellbore is plugged, of operator, complete the H-15 identification
4. Prior notification and Approval	For any test other than a fluid level test, contact the appropriate district o testing approval. The district office will advise of test standards and a results.	
5. FILING THE	The H-15 report is to be filed with the Commission within 30 days after the	e test is conducted.
H-15 Report	FLUID LEVEL TEST H-15: File the H-15 (original only, no attachments reporting the results of a fluid level test with the RAILROAD COMMISSI BOX 12967, Austin, Texas 78711-2967.	
	MECHANICAL INTEGRITY TEST H-15: File the H-15 (original and on attachments as directed by the district office and as mentioned in No. 3, integrity test with the appropriate district office. If the H-15 is based on a copy of the originally filed Form H-5, DISPOSAL/INJECTION WELL PRE	above)s reporting the results of a mechanical prior mechanical integrity test results, attach
6. WATER Depth	Item 11. Give the base of the deepest usable quality water at the location must have been made by the Texas Water Commission (Surface Casin Texas 78711-3087) within the five years preceding the test.	
7. Schedule for Initial Testing	An inactive well that fit the test requirement criteria June 1, 1992 is to below) based upon its age. A well that becomes both inactive and 25 σ tested within one year of the time it becomes both inactive and 25 σ more	or more years old after June 1, 1992 is to be
	Initial Test Deadline for Wells Inactive One	or more Years

Initial Test Deadline for Wells Inactive One or more Years and 25 or more Years Old ON OR BEFORE JUNE 1, 1992

Age of	Deadline for Filing
Wellbore	Initial Test Report
45 or more years old	June 1, 1993
35 or more years old but less than 45	June 1, 1994
25 or more years old but less than 35	June 1, 1995

rev. 8/93

W-3 Plugging Record

Checklist

A) Form W-3A

SWR 14 – Notification of intention to plug any well shall be given to the Commission prior to plugging. (File with District Office.)

B) Form W-3

SWR 14 – A plugging report shall be filed in duplicate within 30 days after plugging operations are complete.

C) Form W-15

SWR 14 – A cementing report made by the company cementing the well shall be attached or made part of the plugging report.

If Plugging a Dry Hole:

D) Form L-1 and/or Log

Authorization: SWR 16 – If a basic electric log was run on the well, a copy must be attached accompanied by a L-1, or a request for a delayed filing must be made on the L-1 Form.

If Applying to Condition an Abandoned Well for Fresh Water Production:

E) Form P-13

Authorization: SWR 14 – The landowner may file an application to condition an abandoned well for fresh water production.

Questions & Answers Pertaining to Plugging Record

Question Pertains to (Form, Rule, Procedure)	Question	Answer	Contact
W-3A	Where do I send the Form W-3A?	File with the appropriate District Office. The District Office must approve the Form W-3A prior to commencing plugging operations. File one copy only.	Appropriate RRC District Office
W-3A	If you acquire an abandoned well and are plugging it, but do not know any information about the wellbore, how do you complete the W-3?	Contact the appropriate District Office for guidance. You may also research the RRC's online query system to obtain well information.	Appropriate RRC District Office
W-3 (SWR 14)	What plugging requirements must I meet when plugging a well?	Contact the appropriate District Office for specific plugging requirements. General plugging requirements are described in Statewide Rule 14.	Appropriate RRC District Office
W-3	Does a W-3 have to be filed when plugging back a well from one reservoir to another?	No. A W-3 is filed only when a well is plugged. Include the plug back information on the W-2 or G-1 completion forms.	Appropriate RRC District Office

Terms

- A) **Dry Hole** Any well that does not produce oil or gas in commercial quantities.
- B) Log A systematic recording of data used to ascertain downhole information about a well.
- C) **Plug** Any object or device, commonly cement, that services to block a hole or passageway (as a cement plug in a borehole).
- D) Plug and Abandon (P & A) To place a cement plug or plugs in a wellbore during abandonment.
- E) **Plugback** To cement off a lower section of perforated casing. To prevent the migration of fluids up hole.
- F) **Service Well** A well used for some purpose other than the production of oil or gas. (. e.g, testing tools, cathodic protection, seismic equipment test, etc.)

Type or print only Operato			ivision ug and	Abandon	reverse	Form W-3A Rev 1/1/8 (02/00 WWW- e side.
1. Operator's Name and Address	(Exactly as shown on Form P-5,	Organization Repo	art)	3. RRC District No.	4. Coun	ty of Well Site
				5. API No. 42-		6. Drilling Permit No.
2. RRC Operator Number		7. Rule 37 Case N	lo.	8. Oil Lease No. or Gas Well ID No.	9). Well No.
10. Field Name (Exactly as shown of	on RRC records)	11. Leas	e Name			
	Block No-Surv				A	bstract No. A-
Distance (in miles) and direct 13. Type of well 1. oil 3. disposal 5. 2. gas 4. injection	tion from a nearby town in this other (specify) Enter appropriate no. in bo			completion Multiple		15. Total depth
16. Usable-quality water strata (as depth of		ater Resources) or		feet: and from		to feet
 If there are wells in this area If there are wells into which 	a which are producing from or h h salt water is being or has been	ave produced from	n a shallow		of zone	
18. Casing record (list all casing in Size Depth set @ set @ set @ Pres / Depth Set @ Depth Set @ Set @ Depth Depth Depth Set @ Depth Set @ Set @ Set @ Set @ Set @ Depth Depth Set @ Set	Cernent hole size (sacks)	(feet)	Tem Surv C C C C C C C C C C C C C C C C C C C	cy Calculated	Cer Bd L [[[[[]]]]]]]]]]]]]]	gallon mud.) ret (top & bottom)
						Mo. Day Yr.
Typed or printed name of operator Telephone: Area Code Number	's representative / Date: Mo. Day	/ Yr. Signa	f person			
	ing. Day					
	DDC	District Office	Action			

For W-3A Notice of Intention to Plug and Abandon

Instructions to Form W-3A, Notice of Intention to Plug

A. What to file. An original and three copies of the completed Form W-3A. The operator must also file with this form a current letter from the Texas Natural Resource Conservation Commission (Surface Casing MC-151), P.O. Box 13087, Austin, Texas 78711, stating the depth to which usablequality water strata occur in the area of the well.

B. Where to file. The appropriate Commission District Office for the county in which the well is located. Operators must file this form at least FIVE days before they intend to begin plugging operations. The District Director may approve, modify, or reject the operator's plugging proposal as outlined on this form. IMPORTANT: If Form W-3A is approved, the operator must give at least a FOUR-HOUR notice to the District Director before proceeding to plug the well as outlined.

C. Notice requirement. Before plugging any well, the operator must give notice to the surface owner of the well-site tract, or to the resident if the owner is absent, and to the operators of all offset producing leases.

D. Expiration. When approved, the plugging proposal described on Form W-3A will be valid for **six** months. The expiration date appears on the front of this form.

E. Plugging record. Within 30 days after plugging operations are completed, the operator must file in the appropriate District Office a completed and verified Plugging Record, **Form W-3**. The cementer of the well must complete and sign the cementing report on Form W-3 or file a separate **Form W-15** and attach this report to the plugging record.

F. Plugging requirements. Operators must comply with the general plugging requirements in section (d) and the specific technical requirements in section (e) through (k) of Statewide Rule 14. Consult Statewide Rule 14; proper plugging is the operator's responsibility.

02/00

Form W-3 Plugging Record

APT No. (if available) 42. 1. ERC Dutrid 42. FILE IN DUPLICATE WITH DISTRICT OFFICE OF DISTRICT IN WHICH WELL IS LOCATED WITHIN THIRTY DAYS AFTER PLUGGING 4. BRC Lass or Number 2. FILD NAME (a per RRC roads) 3. Lass Num 5. Well Number 6. OPERATOR 6. OPERATOR 9. Viel Number 7. ADDRESS 6. Any subsequent W-1's filed in same of: 10. Coasty 7. ADDRESS 6. Any subsequent W-1's filed in same of: 11. Date Duiling: 8. Loads of well, relative to scared lase boundaries for from ince of the 9. SECTEDN, BLOCK and SURVEY 9. Distance and direction from seared town in this coasty 13. Date Duiling: 16. Type Well (n), pas, Total Depth If multiple completion list all field names and oil lase or gas id no. 's Git D's Git O's Well \$? 19. Type, met of coast on list and time of Plugging Inter of the Inter of the Inter of the Inter of the 19. Type, met of coast on list and time of Plugging Inter of the of the Inter of the Inter of the of the Inter of the of the 19. Start of Hale on Plug (II) Inter of the of the 10. Start of Hale on Plug (II) Inter of the of	FORM W-3 Rev. 12/92 (99)
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FROM TO FROM TO I have knowledge that the cementing operations, as reflected by the information found on this form, were performed as indicated by such information. * Designates items to be completed by Cementing Company. Items not so designated shall be completed by operator.	
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I have knowledge that the cementing operations, as reflected by the information found on this form, were performed as indicated by such information. * Designates items to be completed by Cementing Company. Items not so designated shall be completed by operator.	
Signature of Cementer or Authorized Representative Name of Cementing Company	
CERTIFICATE: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best knowledge.	
REPRESENTATIVE OF COMPANY TITLE DATE A/C	NUMBER

 Was well filled w according to the r Railroad Commis 		□Yes □No	32. How was mud applied?		33. Mud V	Veight LBS/GAL
4. Total Depth	Other Fresh Water 7	Zones by T.D.W.R.	35. Have all abandoned wells of	on this lease been plugged according to	R R C Rules?	Yes No
	TOP	BOTTOM	36. If No, Explain			
Depth of Deepest						
Fresh Water						
7. Name and addres	s of cementing or service	e company who mixed	I and pumped cement plugs in thi	is well	Date RRC District O	office notified of pluggin
8. Name(s) and adda	ress(es) of surface owner	s of well site				
9. Was notice given	before plugging to the a	bove?				
ILL IN BELOW FO	R DRY HOLES ONLY	r				
). For dry holes, thi	s form must be accompa	nied by either a drille	r's, electric, radioactivity, or acou	stical/sonic log or such log must be rele	eased to a commercial log se	avice.
	-	_				
	Log Attached		Log released to		Date	
Type Logs:	Driller's		Electric	Radioactivity		Acoustical / Sonic
Date FORM P.8	(Special Clearance) filed					
	sduced prior to plugging		bbls *			
R R C USE ON	Dil Production Report) fo LY	e month this oil was	roduced			
Nearest fiel	ы					
EMARKS						

Form P-13 Application of Landowner to Condition an Abandoned Well for Fresh Water Production

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION	TO CON	PLICATION OF LAND NDITION AN ABANDO FRESH WATER PROI	NED WELL	FORM P-13 EFF 10/04
 Field Name (as per RRC Records or Wildc 	at):		2. Field No.:	3. RRC District No.:
Operator Name (as shown on P-5):			5. Operator P-5 No.:	6. County:
7. Lease Name:		8. RRC Lease/Gas ID No.:	 API No.: 42- 	10. Well No.:
11. Location (Section, Block, and Survey):		l		
12. If the Operator has changed within the last				tor:
13. If the well has been worked over, provide t	he former Field name	(and reservoir name) and num	ber:	
14. Is this an Abandoned Producer or a Dry H	ole? 🗆 YES 🗆 N	ATTACH casing and cemer	the Operator did not file c nt data for casings penetra	
15. Type of Electric or other Log run:		16. Completion date of the w		
 Proposed Plug-Back Depth of well for frest production (ft): 	h water	18. Base of Usable Quality Water (ft.):	19. Date of TCEQ I	
20. FOR COMPLETION BY LANDOWNER:	Information concernin	a aroundwater conservation dis	TCEQ File No.: SC stricts may be found at ww	
I have permitted the well as a water w				
I have registered the water well with the state of the				
□ The				
There is no groundwater conservation				
to constitute a menace to any oil, gas, or fresh Under §89.011, Tex. Nat. Res. Code, the duty Commission requirements up to the base of u quality water production operations; and the la conservation district, if applicable. The authority to complete this well in the man	to properly plug the v sable quality water str indowner has register	vell ends only when the well ha atum; the Commission has app ed the well with, or has obtaine	s been properly plugged in roved the application to c d a permit for the well fron	ondition the well for usable n, the groundwater
		CERTIFICATION		
I declare under penalties prescribed in §91.1 under my supervision and direction, and that o	43, Tex. Nat. Res. Co late and facts stated t	ode, that I am authorized to ma	ake this report, that this re molete, to the best of my l	eport was prepared by me or
LANDOWNER		nerein ale trae, correct, and co	OPERATOR	nomeuge.
Date:		Date:		
Signature of Landowner:		Signature of Operator		
Name of Landowner:		Authorized Represent Name of Person and		
(type or print)		(type or print)		
Street Address or P. O. Box:		Street Address or P. C). Box:	
City, State, Zip Code: Telephone ()		City, State, Zip Code: Telephone ()		
	EU	ING INSTRUCTIONS		
1. The completed original of this form must b			SEE the back of this for	m.
 Form P-13 showing the recording data, alo Commission District Office, along with a co 				
 After plugging back the well, the Operators (Plugging Record), in the appropriate Com 			P-13 with the original and	d one copy of Form W-3
RAILROAD COMMISSION APPROVAL			DATE OF APPROVAL	:
	(Signature of	RRC Representative)		
DISTRIBUTION: The Commission will mail a copy of the appro- Ground Water Conservation District, if applica				

COUNTY OF		
	BEFORE M	E, the acknowledged authority, on this day personally appeare
		, referred to
		attached hereto, and being by me duly sworn acknowledged to
	that he or she executed said	d instrument for the purposes and consideration therein express
		Notary Public in and for
		County, Te
		Ounty, re
Recorded this	day of	·································
		Clerk
	FOR US	E OF COUNTY CLERK
		E OF COUNTY CLERK