Section B – Forms Required for Permitting and Drilling a Well

Introduction	2
General Forms Required for Permitting and Drilling a Well	3
Types of Operations	4
What you need to know about the Form W-1 and Forms supporting the Application	5
Form W-1: Permit to Drill, Recomplete, or Re-Enter	6
Form W-1: Page One	6
Form W-1: Page Two	8
Form W-1: Instructions, Page One	11
Form W-1: Instructions, Page Two	13
Form W-1D: Supplemental Directional Well Information	15
Form W-1H: Supplemental Horizontal Well Information	17
Form W-1: Field Addendum Page	19
Form P-12: Certificate of Pooling Authority	21
Form P-16: Acreage Designation	23
Form P-16: Page One	23
Form P-16: Page Two	25
Form P-16: Instructions, Page One	28
Form P-16: Instructions, Page Two	30
Frequently Asked Questions Concerning Drilling a Well	31
SWR 37, 38, 39, and 40	33
SWR 37	33
SWR 38	35
Form W-1A: Substandard Acreage Certification	37
SWR 38 Data	40
SWR 39	41
SWR 40	42
Additional SWR Questions	43
Closing Statements for Drilling Permits	52

Introduction

The following document contains informal guidelines concerning some situations in which new and amended drilling permits are required. These guidelines should not be construed to supersede any Commission orders or statewide rules. Changes or situations not covered in this document should be referred for decision to the Manager of the Drilling Permits Unit, who will coordinate input from all necessary compliance sections in reaching a decision.

If a permit has been granted with restrictions, the responsibility lies with the operator of record to adhere to those restrictions. If the restrictions are no longer applicable, then an amended permit will be required to remove, change, or correct such restrictions before the well is completed and put on schedule. If the restrictions are not removed, changed, or corrected, the well may be in violation, which could lead to *enforcement actions* and/or *severance* of the well or lease by the RRC Well Compliance and Technical Permitting units.

Examples of restrictions that must be removed by permit amendment:

- Non-concurrent production restrictions to resolve between well and or well density exceptions.
- No Perforation Zone (NPZ) restrictions on wells permitted with horizontal profiles.

<u>IMPORTANT</u>: If a well has been **completed**, and the drilling permit has been **validated** and **closed**, it will be necessary in all cases to obtain a new drilling permit (Re-Completion) to perform any operation that involves drilling or perforating a new section of the wellbore. This includes sidetracks that will be completed in the same field. If you feel changes need to be made to a closed out permit you must contact the Well Compliance section to see if an amendment is necessary or if a new permit will be needed. **If the well already has an open drilling permit**, a new drilling permit (non-amendment) will not be required as long as the permit has not expired.

Any application filed after Feb. 1, 2016 will be required to comply with new SWR 3.5 requirements. All applications will be required to have GPS coordinates on the Form W-1 and accompanying plat. Any application filed after Feb. 1, 2016, per SWR 40, must include the Form P-16 with any application filed with a horizontal wellbore profile or in a field designated as an Unconventional Fracture Treated ("UFT") field. As of Feb. 1, 2016, per SWR 86, any plat filed in support of a horizontal well permit must clearly label on the plat the surface location, penetration point, first take point, last take point and terminus location.

General Forms Required for Permitting and Drilling a Well

General forms required prior to commencing operation for the Drilling, Re-Completing, Re-Classing, Re-Entering or requesting a Field Transfer of an Oil, Gas, Service, or Geothermal Resource well.

Check List	Form	Authorization
	P-5	SWR 1 - Before beginning any operations, you must file an organization report showing legal identity (corporation, partnership, etc.), principal officers, and addresses. A form of financial security is required.
	W-1	SWR 3.5, 3.37 & 3.78 — Standard size and Shape Tract: Attach a plat and a check for the appropriate fee based on total depth, payable to the Railroad Commission. Send the original form and fee to Austin. An additional fee is required for statewide rule exceptions.
	W-1A	SWR 3.37, 3.38 & 3.78 – Non-standard size or shape tract: Submit this additional form if your tract is sub-standard or non-standard size or shape under applicable spacing or density rules. A fee is required for rule exceptions.
	W-1D	SWR 3.37, 3.38 & 3.78 – Application for Permit to Drill, Re-Complete, or Re- Enter Supplemental Directional Well Information
	W-1H	SWR 3.37, 3.38 & 3.78 – Application for Permit to Drill, Re-Complete, or Re- Enter Supplemental Horizontal Well Information
	P-12	SWR 3.37 & 3.40 – Pooled Tracts: File with certified plat for each pooled unit.
	P-16	SWR 3.40- Acreage designation sheet required for any well permitted as a horizontal well or in a field classified as a "UFT".
	Н-9	SWR 3.36 – Sour Gas: File in triplicate 30 days prior to drilling if drilling in potential sour gas zones

This forms identified in this checklist can be found on the Railroad Commission of Texas website at: http://www.rrc.state.tx.us/oil-gas/forms/oil-gas-forms-library/oil-gas-forms-in-alphabetical-order/

Types of Operations

- 1. New Drill Any proposed operation where there is currently no established wellbore.
- 2. Re-Completion Any proposed operation where you will be either plugging back or deepening into a new regulatory zone. If you are adding perforations in the same zone but they are deeper than your approved TVD on the original permit, a Re-Completion permit will be needed.
- **3. Re-entry** Any proposed operation where you will be re-entering a wellbore that has been plugged to surface.
- **4. Re-class** A change in classification of a well from oil to gas or gas to oil. Also to change a disposal or injection well to a producer. No actual work is being done to the wellbore (i.e. No new perforations or plugs added to the well).
- **5. Field Transfer** Transferring well completed in one regulatory field into another regulatory field. Must have written authority from Commission geologist to do so. No actual work is being done to the wellbore (i.e. No new perforations or plugs added to the well).
- **6. Amended** Any change made to a previously approved application (new drill, re-completion, reentry, etc.) that has not been closed out with a completion packet.
- 7. Amended as drilled (BHL) Amendment to a permitted vertical well to show actual BHL as determined by RRC engineering dept. A W-1D must be filed with application showing relationship of BHL to survey and lease lines as well as to nearest well in the permitted fields.

What you need to know about the Form W-1 and Forms supporting the Application

- 1. The permit is good for 2 years from the date of original approval. Amending the permit does not extend the life of the permit.
- **2.** Drilling permit fee. With each application or materially amended application, the applicant shall submit to the Commission a **non-refundable** fee as determined by §3.78.
- **3.** If an application is filed with an incorrect type of operation, the fees **may be lost** and you will be required to re-file correctly with **new fees**. If you have any question as to what kind of permit you should be filing, please contact the Drilling Permits Dept. at 512-463-6751.
- 4. A plat is required with all filings. Reference the Plat section on the instruction sheet for the W-1 that describes the plat requirements (see Form W-1 Instructions, Page 2). If the plat that is being filed is supporting a Form P-12 and/or a Statewide Rule Exception, the plat must be certified by a Registered Professional Land Surveyor or by a company representative that will attest to the accuracy of the information presented on the plat.
- 5. At time of filing the application (Form W-1), the Drilling Permit section does not need to see your proration unit drawn around the well on the plat. At this time, we are only interested in the size of the base lease or pooled unit and the calls that describe the well location within the unit and the number of wells in the same fields being applied for on the application. Refer to the instruction sheet for the Form W-1 for more details.
- 6. If the application being filed is for a well in a pooled unit then the Form P-12 must be filled out and signed. A plat must accompany the application that supports the information provided on the P-12. (See Form P-12).
- 7. If applying for a permit where production sharing will occur, use Form P-16 page 2 (see attached Form P-16 Page 2).
- 8. If the application is for a well that is either a directional or horizontal profile, a Form W-1D (see attached Form W-1D) must be filed out for a directional well and a Form W-1H (see attached Form W-1H) for a horizontal. The plat that is filed to support this application must clearly show all information pertinent to the proposed wellbore.
- **9.** The Groundwater Advisory Determination Form to comply with SWR 13 should be filed concurrently with the application to drill with the Groundwater Advisory Unit.

Form W-1: Permit to Drill, Recomplete, or Re-Enter

Form W-1: Page One

Enter if Assigned: API No.: 42-	RAILROAD C OIL AN	FORM W-1 05/2016			
Drilling Permit No.	APPLICATION FOR PERMIT TO DRILL, RECOMPLETE OR RE-ENTER				SEE SWR 3.78 FOR FEE & SURCHARGE SCHEDULE
SWR Exception Case/Docket No.	*				
1. RRC Operator No.:	2. Operator Name (as shown on P-5 Organization	n Report):	3. Operator Addre	ess (include street, city, sta	te, zip):
4. Lease Name:	5. Well	l No.:			
GENERAL INFORMATION					
6. Purpose of Filing (Mark ALL appropri	ate boxes): New Drill Recompletion F	Reclass Fie	ld Transfer 📋 Re	e-enter \square Amended \square	Amended as Drilled (BHL) (Include Form W-1D)
7. Wellbore Profile (Mark ALL appropria 8. If either Directional or Horizontal is	te boxes):	orizontal (Also File	e Form W-1H)	☐ Directional (Also	File Form W-1D)
8a. Is the surface hole location off-leas	se?				
8b. If Horizontal profile is chosen, is th	e penetration point off-lease?	No			
8c. If answer to 8b is yes, choose the	appropriate resolution: Own Offset e accompanied by a due diligence letter explaining		Notice Notice	*Publication (If direct not	ice was not possible)
9. If Applicable:	e accompanied by a due diligence letter explain	ing why you he	ea to publish the h	ouce mstead or relying of	in un ect nouncauon.
Horizontal Wellbore Completion Typ	e: DPSA DAllocation	Stacked Latera	If Stacked Later	ral, provide drilling permit n	umber of record well
10. True Vertical Depth:	11. Do	you have the rig	ht to develop miner	als under any right of way?	☐ Yes ☐ No
SURFACE LOCATION AND ACREAG	E INFORMATION				
12. RRC District No: 13. Co	ounty:	14.	Surface Location:	☐ Land ☐ Bay	//Estuary
15. This well is to be located	miles in a directio	on from		, which i	is the nearest town in the county.
For all Surface Locations provide either	X/Y or Latitude/Longitude coordinates.			4	
DATUMS:			1		
X or Northin	ng:(x	xxxxxx. xx)	Latitude:_		(xx. xxxxxx)
	g:(>	xxxxxx. xx)	Longitude	e:	(-xx. xxxxxx)
□ NAD 83		,		1.	
Zone:					
16. Section: 17. Block:	18. Survey:		19. Abstract No:	20. Distance to nearest lease line:	21. Number of total acres in lease, pooled unit or unitized tract:
22. Additional Location Identifiers: Tow	nship: League: Labo	or:	Porcion:	Share: Tr	act: Lot:

Form W-1: Page Two

If the answ	er to 8a is yes, p	provide two perpe	ndicular survey	line calls instead of	lease line	calls.						
23. Lease	Perpendiculars:		ft. from the			line and		ft. fro	om the		_ line.	
24. Surve	y Perpendiculars	::	ft. from the	e		line an	d	ft. fr	om the		line.	
25. Is this	a pooled unit?	☐ Yes ☐	No 26. Unitiza	ation Docket No:			27. Are y	you applying for S	Substandard Acreage	?	ch Form W	/-1A) □ No
FIELD INF	ORMATION	List all field			ıdina Wild	cat. List one	zone per l	ine. Attach a F	orm W-1 Field Infor	mation Addendum	if you rea	uire more space.
28. RRC District No.	29. Field No.	List dir nois		e (exactly as shown			zone por	31. Well Type	32. Completion Depth	33. Distance to N Well on this lease Reservoir	learest :	34. No. of Wells on this lease in this Reservoir
					4							
										T.		
				W								***************************************
									(8)			
Fields tha	t have been ide	entified as contain	ning hydrogen	sulfide (H ₂ S) on y	our applic	ation must c	omply with	drilling and cor	mpletion requireme s.gov/about-us/orga	nts set forth in Stat	tewide Rul	e (SWR) 3.36. If
you nave	any questions of	concerning Svvr	c 3.36, contact y	our RRC District	Office. Fo	i illiorillatioi	i go to <u>inte</u>	www.iic.lexas	s.gov/about-us/orga	ilization-activities/	irc-iocatio	115/
All nous us	alla must samn	ly to the new St	stawida Bula (S	M/D) 2 12 requires	nonte con	corning the is	colation of	any notontial flo	w zones and zones	with correcive for	mation flui	ide If an avietina
well is be	ing deepened it	may also need	to comply with	SWR 3.13 require	ments. Go	to the RRC	website. h	ttp://www.rrc.te	xas.gov/oil-gas/con	pliance-enforceme	ent/rule-13	-aeoloaic-
		e SWR 3.13 forn					, _					
35. Reque	sts for SWR Exc	eptions:										
If your app	olication requires	an exception to S	SWR 37 lease lir	ne spacing, indicate	how you i	ntend to resol	ve the exce	ption.				
Choose a	Il appropriate res	solutions.		☐ Own Offset	□ Wa	aiver 🗆	Service List	t □ *Publica	ation (If direct notice	was not possible)	☐ Hearin	ng
If your app	olication requires	an exception to S	SWR 37 between	n well spacing, plea	se indicate	how you inte	nd to resolv	ve the exception.	To resolve without a	n exception, provide	9	
Entity For	Density Docket	#		OR list the	wells that v	will be shut-in	and not pro	oduced concurren	ntly with the applied for	or well in the Remark	ks section.	
If you seel	k an exception cl	hoose all appropr	iate resolutions.	☐ Own Offset	☐ Wa	iver 🗆 S	Service List	☐ *Publica	tion (If direct notice	was not possible)	☐ Hearin	ng 🗆 Unaffected
If your app	olication requires	an exception to S	SWR 38 well der	nsity, indicate how	you intend	to resolve the	exception.	To resolve witho	ut an exception, sub	mit a signed Form W	/-1A	
				irrently with the app								
If you seel	k an exception, o	choose all approp	riate resolutions.	Own Offset	□ Wa	aiver \square	Service List	t ∐ Publica	ation (If direct notice	was not possible)	☐ Heari	ng 🗆 Unaffected
				AND DESCRIPTION OF THE PARTY OF	ACCOUNT OF THE PARTY OF		AND DESCRIPTION OF THE PARTY OF	to be a series of the series o	on direct notification	THE RESIDENCE OF THE PARTY OF T	SHIP REPLY SERVICE	uired.
воттомн	OLE LOCATION II	NFORMATION is re	equired for DIREC	TIONAL, HORIZONT	AL AND AN	IENDED AS DE	RILLED PERI	WIT APPLICATION:	S - Attach FORM W-11	or FORM W-1H as a	ppropriate.	
Remarks:									CERTIFICA			
						application,	that this ap	plication was prej	Texas Natural Reso pared by me or unde , and complete to the	r my supervision and	d direction,	
						Name of Re	presentativ	e (Print)	Signature		Date (mm/	dd/yy)
RRC Use	only							[4]				
						Telephone	(AC and nur	mber)		(OPTIONAL – If pro		

Form W-1: Instructions, Page One

FORM W-1 INSTRUCTIONS APPLICATION FOR PERMIT TO DRILL, RECOMPLETE OR RE-ENTER REFERENCE: Statewide Rules 5, 36, 37, 38, 39, 40 and 86

A. COMPLIANCE. In order to file a Form W-1 (APPLICATION FOR PERMIT TO DRILL, RECOMPLETE OR RE-ENTER) you must have a current Form P-5 (Organization Report) and financial assurance on file with the Railroad Commission of Texas (RRC) and be in compliance with all RRC rules and orders. DO NOT BEGIN DRILLING OPERATIONS UNTIL YOU HAVE RECEIVED AUTHORIZATION FROM THE RRC. Operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit of the RRC, or its predecessor or successor agencies. If you wish to deviate from the recommendation given by the Groundwater Advisory Unit you must apply for a Statewide Rule (SWR) 3.13 surface casing exception from the RRC District Office that oversees your area.

B. WHERE AND WHAT TO FILE. File with the RRC in Austin the original Form W-1 application package, which consists of the completed Form W-1, fee payment, plat, completed Forms W-1D, Supplemental Directional Well Information or W-1H, Supplemental Horizontal Well Information as necessary, and other documents as required by Statewide or Field Rules. For fees, make check or money order payable to Railroad Commission of Texas. For information on use of credit cards visit the RRC website at www.rrc.state.tx.us/about-us/resource-center/research/../credit-cards/. The SWR 37/38 exception fee covers one or more exceptions on the same application; if other than a "new drill," provide the original exception case or docket number. Fees are non-refundable or transferrable. The RRC may waive fees if an amended application is filed at the request of RRC. Before you may file computer-generated paper Forms W-1, the RRC must approve the template. You may also electronically file drilling permit applications. For current fees and surcharges visit the RRC website at http://www.rrc.texas.gov/oil-gas/applications-and-permits/fees-surcharges

In the box at the top left-hand corner of the Form W-1, enter, if assigned or as applicable, the API number, permit number (if purpose of filing is for an amendment to an already approved permit), If the API number is not known, in "Operator Remarks" area, provide the original operator, lease, and well identification and date of original completion or plugging.

Items 1-3 should be filled out exactly as it has been filed with the Form P-5.

The LEASE NAME (Item 4.) if it has already been established, should reflect exactly how it is carried on the proration schedule. If this is the first well on a lease the way the name is formatted will be how each subsequent well on the lease should be filed.

WELL NUMBER (Item 5.) must be formatted as follows: You are allowed six spaces, the first space can be either Alpha or Numeric, second, third and fourth spaces are Numeric only and the fifth and six spaces are Alpha only. If there is a dash anywhere in the numeric spaces, the well number will be changed to "0".

GENERAL INFORMATION

PURPOSE OF FILING (Item 6.):

New drill is for a brand new well location.

Recompletion is working over an existing wellbore to complete in a different field/reservoir. Provide the projected—not measured--true vertical depth. For a plugback recompletion, give the depth of the plug setting.

Re-entry is going back into a wellbore that has been plugged to the surface.

Reclassification is changing an existing well originally permitted only as injection/disposal or other service well to an oil or gas producing well or changing an existing well in the Panhandle East or West fields from oil to gas or gas to oil production.

Field Transfer is required when you wish to move an already completed well from one regulatory field to another regulatory field when no work is being done to the existing well. Provide a copy of the Field Transfer approval letter with the application.

Amended should be chosen if you are attempting to change something on a previously approved permit that has not been closed out with a completion report or expired. Operator name, lease name, well number and acreage can be changed at the time of completion.

Amended as-drilled should be chosen if the original permit was filed as a vertical well and due to drilling complications the wellbore was un-intentionally deviated.

You must also submit a Form W-1D to reflect the as-drilled bottom hole location (BHL).

An amended permit requires a new Form W-1 and applicable fees as well as all supporting documentation. Include the original drilling permit number when filling an application for an amended permit.

WELLBORE PROFILE (Item 7.) Choose all profiles that apply for your application. Remember if more than one profile is chosen then a plat must be supplied that supports each wellbore profile. Check "sidetrack" only for New Drills, Recompletions or Re-entries, if applicable. File FORM W-1D, if the proposed well configuration will be directional with one or more bottom hole locations. File FORM W-1H, if the proposed well configuration will be horizontal with one or more terminus locations.

REQUIRED ANSWERS IF DIRECTIONAL OR HORIZONTAL PROFILE IS CHOSEN (Item 8.)

8a. Check appropriate box that describes the location of your surface hole.

8b. If you have chosen a horizontal profile check the appropriate box that describes the location of your penetration point into the permitted formation.

8c. If your answer to 8b is yes choose all the appropriate boxes to describe how you are complying to the requirements concerning off-lease penetration points. SPECIALIZED HORIZONTAL WELLBORE COMPLETION PERMITS (Item 9.) If you are attempting to apply for a PSA, Allocation or Stacked lateral check all boxes that apply. If the application you are filing is for a stacked lateral well please indicate the permit number of the "record" or "parent" well otherwise leave selections blank.

TRUE VERTICAL DEPTH (Item 10.) Provide the total vertical depth you wish to apply for not the proposed measured depth of the well. If for a recompletion, provide the projected—(not measured)--true vertical depth. If this is a plug-back recompletion, give the depth of the plug setting.

RIGHT TO DEVELOP (Item 11.) Indicate if you have the rights to develop under any right of way that may be located within your lease/unit boundary.

SURFACE LOCATION AND ACREAGE INFORMATION

RRC DISTRICT NO. (Item 12.) Provide the district number associated to the County the surface of the well is located in.

COUNTY (Item 13.) Provide the County Name for where the surface location of the well is being located.

SURFACE LOCATION (Item 14.) Check the appropriate box that best describes the location of the surface hole. GEOGRAPHIC LOCATION OF YOUR WELL (Item 15.) Provide a distance and bearing from the nearest town in the county the well will be located. You must also provide geographic coordinates for the surface location of your well, no matter the purpose of filing. Choose the appropriate Datum and either provide X/Y(Northing/Easting) or Lat/Long coordinates.

LEGAL LOCATION INFORMATION (Items 16.-18. AND 22.) Provide all pertinent legal location information for the tract of land the surface hole will be located.

ABSTRACT NUMBER (Item 19.) If available, provide the abstract number associated to the survey the well is located.

NEAREST LEASE LINE (Item 20.) Provide the distance to the nearest lease line. For pooled units, if there is an unleased/non-pooled interest in a tract of the pooled unit that is nearer than the pooled unit line, give the distance to the nearest point on that unleased/non-pooled tract boundary. Vertical wellbore profile that distance is from the surface location of the well.

Directional wellbore profile that distance is from the bottom hole location of the well.

Horizontal wellbore profile that distance is the nearest point to the lease line from the portion of the well between the first take point through to the last take point. TOTAL NUMBER OF ACRES (Item 21.) Provide the total acreage in the lease, pooled unit or unitized tract you are filing on. Multiple tracts may be pooled together to meet minimum drilling unit acreage requirements. Complete and attach Form P-12, Certificate of Pooling Authority and ensure your plat supports the P-12 and the tract identifiers listed.

LEASE PERPENDICULAR CALLS (Item 23.) Provide 2 non-parallel lease line calls.

SURVEY PERPENDICULAR CALLS (Item 24.) Provide 2 non-parallel survey/section line calls. A county line should not be used to derive a call from unless that county line is actually a boundary to the survey/section.

POOLED UNIT (Item 25.) Is the acreage in Item 21 associated to a pooled unit? If yes you must submit a signed Form P-12.

UNITIZATION (Item 26.) Is the acreage in Item 21 formed by Unitization hearing? If so, provide the Docket number for that hearing.

SUBSTANDARD ACREAGE (Item 27.) If you are applying for a well on substandard acreage and are trying to get a permit approval without having to get a SWR 38 exception, attach a completed and signed Form W-1A, Substandard Acreage Certification.

Form W-1: Instructions, Page Two

FIELD INFORMATION

RRC DISTRICT NO. (Item 28.) Include the district number of the field you wish to complete in. This number may be different from the district number in Item 12. FIELD NO. (Item 29.) Add the field number associated with the field you are applying for. Note that a field may be associated to different districts which will have a different field number. Ensure the correct field number is provided. If you need more room use the Form W-1 Field Information Addendum Page. FIELD NAME (Item 30.) Provide the field name exactly as it is shown on the RRC proration schedule.

WELL TYPE (Item 31.) Use the following codes for Well Type: O = oil; G = gas; B = oil and gas; I = injection/disposal; R = storage; S = service; V = water supply; C = cathodic protection; T = exploratory test (core, stratigraphic, seismic, sulfur, uranium).

COMPLETION DEPTH (Item 32.) Enter the approximate completion depth at which you may complete in each field listed. This depth must be less than or equal to the Total Vertical Depth In Item 10.

DISTANCE TO NEAREST WELL IN RESERVOIR (Item 33.) Required only for wells identified as oil or gas in Item 31 and includes distance to any applied for, permitted location or completed well in the regulatory field being applied for.

NUMBER OF WELLS ON LEASE IN THIS RESERVOIR (Item 34.) Provide the total combined number of oil and gas wells only (include all applied for, permitted locations and completed wells). Do NOT include injection, disposal or other types of service wells.

REQUESTS FOR EXCEPTIONS AND REQUIREMENTS OPERATOR MUST COMPLY WITH

REQUIREMENTS THAT OPERATOR MUST COMPLY WITH IF APPLICABLE TO THE INTENDED OPERATION BEING APPLIED FOR.

REQUESTS FOR SWR EXCEPTIONS (Item 35.) The proposed location must be "regular" in terms of the RRC's spacing (Rule 37 or field rules) and density (Rule 38 or field rules) requirements for each listed field; otherwise, an exception to those requirements must be sought. Answer all questions that apply to this application. With your application remember to include waivers, a service list or supporting information for a request of unaffected status. See below for explanation of regular location and location requiring an exception. Any request for Publication must be accompanied by a Due Diligence letter explaining why you need to publish the notice instead of relying on direct notification. The Service List is still required.

REGULAR locations are in accordance with either (1) statewide spacing minimums – 467' from the nearest lease line and 1,200' from the nearest well (applied for, permitted or completed) on the same lease in the same reservoir and statewide density minimums – 40 acres; (2) spacing and density minimums, (which may vary according to depth) for County Regular Fields (Districts 7B, 9, and McCulloch County), where there are no field rules and the proposed depth is 5,000' or shallower; or (3) spacing and density standards set out in special rules for the field. Field and County Regular rules are available on the Internet at www.rrc.texas.gov.

EXCEPTIONS to minimum standard spacing and density requirements may be requested. The application requires a certified plat with the names of the affected offsets clearly labeled and a list of the names and addresses of the affected parties. a certified plat with the names of the affected offsets clearly labeled and a list of the names and addresses of the affected parties To view SWR 37 and 38, visit the Texas Secretary of State website at

http://texreg.sos.state.tx.us/public/readtac\$ext.ViewTAC?tac_view=3&ti=16&pt=1. Detailed instructions for SWR 37 and 38 exceptions can be found at http://www.rrc.state.tx.us/media/29099/drilling-permits-statewide-rule-37-38-exceptions.pdf

NOTE: If you penetrate a SWR Rule 37 or SWR38 field/reservoir not listed on the application, you will not necessarily be allowed to use the existence of this wellbore as justification for an exception to complete this wellbore in such field/reservoir in the future.

ACREAGE - OTHER

If pooled or unitized through a hearing and the Docket number is noted in Item 24 of Form W-1, no Form P-12 is needed.

Substandard Acreage: Complete and submit a Form W-1A, Substandard Acreage Drilling Unit Certification, with the first and only well on a substandard tract or lease, and when using surplus acreage as a substandard pooled unit.

Contiguous Acres: SWR 39 requires that all acres being assigned to the well from the lease or pooled unit be contiguous. If a SWR 39 exception has already been granted for the subject lease or unit, provide the docket number and issuance date in the box in the upper left-hand corner of the Form W-1.

PLAT. All drilling permit applications must be accompanied by a legible, accurate plat, at a scale of 1" = 1,000' or 1"=2000' and showing at least the lease or pooled unit line nearest the proposed location outlined on the plat using either a heavy line or crosshatching AND the nearest section/survey lines. The plat for the initial well on a lease or pooled unit must be of the entire lease or unit (including all tracts being pooled). The plat for subsequent wells on the pooled unit for which a Form P-12 is required must show the entire pooled unit. If necessary, submit the large area plat at a scale of 1" = 2,000' showing the entire lease.

For all plats the following must be included: the geographic location information, including the Latitude/Longitude or X/Y coordinates in the NAD 27, NAD 83, or WGS 84 coordinate system of the surface location, a labeled scale bar and northerly direction arrow.

For vertical wells, the plat shall include the following:

- (A) the surface location of the proposed drilling site;
- (B) perpendicular lines providing the distance in feet from the two nearest non-parallel survey/section lines to the surface location;
- (C) perpendicular lines providing the distance in feet from the two nearest non-parallel lease lines to the surface location;
- (D) a line providing the distance in feet from the surface location to the nearest point on the lease line, pooled unit line, or unitized tract line. If there is an unleased interest in a tract of the pooled unit that is nearer than the pooled unit line, the nearest point on that unleased tract boundary shall be used. If well is directional the distance is taken from the bottomhole;
- (E) a line providing the distance in feet from the surface location to the nearest oil, gas, or oil and gas well identified by number either applied for, permitted, or completed in the same lease, pooled unit, or unitized tract and in the same field and reservoir. If well is directional the distance is taken from the bottomhole.

For horizontal wells, the plat shall include the following:

- (A) the surface location of the proposed drilling site, penetration point, first take point, last take point, and terminus location;
- (B) perpendicular lines providing the distance in feet from the two nearest non-parallel survey/section lines to the surface location;
- (C) perpendicular lines providing the distance in feet from the two nearest non-parallel lease lines to the surface location; if location is off-lease, then provide the distance in feet from the two nearest non-parallel survey/section lines to the surface location;
- (D) a line providing the distance in feet from the horizontal wellbore between and including the penetration point and the terminus location to the nearest point on the lease line, pooled unit line, or unitized tract line. If there is an unleased interest in a tract of the pooled unit that is nearer than the pooled unit line, the nearest point on that unleased tract boundary shall be indicated. A line providing the distance in feet from the horizontal wellbore between and including the first take point and the last take point to the nearest point on the lease line shall be indicated. If there are multiple leases, pooled units and/or unitized tracts closer to the horizontal course(s) of the drainhole(s) than allowed by the applicable spacing rule, then the operator shall provide the distance in feet from the closest take point to each such tract:
- (E) a line providing the distance in feet from the wellbore from the penetration point through the terminus location to the nearest oil, gas, or oil and gas well identified by number either applied for, permitted, or completed in the same lease, pooled unit, or unitized tract and in the same field and reservoir. A line providing the distance in feet from the wellbore between and including the first take point and the last take point to the nearest oil, gas, or oil and gas well identified by number either applied for, permitted, or completed in the same lease, pooled unit, or unitized tract and in the same field and reservoir;

Plats filed for Pooled Units, SWR 37 and/or SWR38 exceptions must also be certified by the surveyor or someone with the company who has knowledge of information being presented. If plat is filed in support of an exception you must clearly have offsets keyed to the offset listing.

Railroad Commission of Texas Oil and Gas Division Application for Permit to Drill, Recomplete or Re-Enter

Form W-1D 07/2004 Supplemental Directional Well Information

1. RRC Operator No.		2. Operator Name (as sho	2. Operator Name (as shown on P5 Organization Report)			4. Well No.
Lateral Drainhole Lo	ocation Informati	on				
5. Field as shown on	Form W-1					
6. Section	7. Block	8. Survey		9. Abstract	.10. County of	BHL
11. Bottom hole Leas	e Line Perpendic	ulars #1ft. from the	line and	ft. from the		line.
12. Bottom hole Surv	ey Line Perpendio	culars ft from the	line and	ft from the	~	line.
13. Field as shown o	n Form W-1					
14. Section	15. Block	16. Survey		17. Abstract	18. County	of BHL
19. Bottom hole Leas	se Line Perpendic	ulars #2		1		*
		ft. from the	line and	ft. from	the	line.
20. Bottom hole Surv	rey Line Perpendio	culars ft from the	line and	ft from	the	line.
21. Field as shown of	on Form W-1					
22. Section	23. Block	24. Survey	,	25. Abstract	26. County of	BHL
27. Bottom hole Leas	se Line Perpendic	ulars #3				
		ft. from the	line and	ft fron	n the	line.
28. Bottom hole Surv	ey Line Perpendi	culars				
		ft from the	line and	ft from	m the	line.

on
)

Railroad Commission of Texas Oil and Gas Division

Application for Permit to Drill, Recomplete or Re-Enter

Form W-1H Rev. 09/2016 Supplemental Horizontal Well Information

RRC Operator No.		2. Operator Nar	Operator Name (as shown on P-5 Organization Report)			3.	Lease Name	4. Well No.
Lateral Drainhole Location	n Information							
5. Field as shown on Form	1 W-1							
6. Section	7. Block		8. Survey		9. Abstract		10. County of BHL	
11. Terminus Lease Line F						,,		-
17 (1 of 10	ft.	from the		_ line and		ft. 1	from the	line.
12. Terminus Survey Line	Perpendiculars							
	ft.	from the		_ line and		ft. 1	from the	line.
13. Last/Lower Perforation Lease Line Perpendiculars								
	ft.	from the		_ line and		ft. f	from the	line.
14. First/Upper Perforation	n Lease Line Perp	endiculars						
	ft.	from the		_ line and _	*	ft. f	from the	line.
15. *Penetration Point Lea	se Line Perpendi	culars					18.	
	ft.	from the		_ line and		ft. f	from the	line.
5. Field as shown on Form	1 W-1							
6. Section	7. Block		8. Survey		9. Abstract		10. County of BHL	
11. Terminus Lease Line	Perpendiculars							
		from the		_ line and _		ft. f	from the	line.
12. Terminus Survey Line	Perpendiculars							
	ft.	from the		_ line and _		ft. f	from the	line.
13 Last/Lower Perforation	Lease Line Perpe	endiculars						
				_ line and _		ft. 1	from the	line.
14. First/Upper Perforation						8		
				_ line and _		ft. 1	from the	line.
15. *Penetration Point Lea	ase Line Perpendi	culars						
	ft.	from the		_ line and _		ft. 1	from the	line.

^{*}If Penetration Point is offlease then instead of lease line perpendiculars, provide survey line perpendiculars.

Form W-1: Field Addendum Page

Railroad Commission of Texas Oil and Gas Division Application for Permit to Drill, Recomplete or Re-Enter

Form W-1 Field Addendum page Rev. 09/2016

Lease Name:	Well No.:

28. RRC District No.	29. Field No.	ADDENDUM List all fields of anticipated completic 30. Field Name (exactly as shown in RRC records)	31: Weil Type	32. Completion Depth	33. Distance to Nearest Well on this Lease in this Reservoir	34. No. of Wells or this Lease in this Reservoir
				*		
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		,				

Form P-12: Certificate of Pooling Authority

RAILROAD COMMISSION OF TEXAS Oil and Gas Division PO Box 12967 Austin, Texas 78711-2967 www.rrc.state.tx.us

CERTIFICATE OF POOLING AUTHORITY

P-12

Revised 05/2001

1. Field Name(s)			2. Lease/ID Number (if assigned)	3. RRC District Number
4. Operator Name	е		5. Operator P-5 Number	6. Well Number
7. Pooled Unit Na	ame		8. API Number	9. Purpose of Filing Drilling Permit (W-1)
10. County		······	11.Total acres in pooled unit	Completion Report
	DESCRIPTION OF	INDIVIDUAL TRACT	S CONTAINED WITHIN THE POO	LED UNIT
TRACT/PLAT	TRACT NAME	6	ACRES IN TRACT (See inst. #7 below)	Indicate Undivided Interests Unleased Non-Pooled
	,			
	.* . \t.	× 1		
	5	3 0		
		-		
	lf .			
foregoing state	r penalties prescribed purs	ation provided by me	3, Texas Natural Resources Code, or under my direction on this Certif	that I am authorized to make the icate of Pooling Authority is true
Title	E-mail (if av	vailable)	Date	Phone
INSTRUCTIONS 1. When two Rule 38(d)(2. The certifie identifier and 3. If within and 4. If the Purpoto all fields 5. If the Purpoto Identify the	S — Reference: Statewide Ru or more tracts are pooled to (3) the operator must file an or ed plat shall designate each tr and associated information liste individual tract, a non-pooled ose of Filing is to obtain a drill requested on Form W-1.	iles 31, 38 and 40 form a unit to obtain a driginal Certificate of Poolir act with an outline and a d on the Certificate. and/or unleased interesting permit, in box #1 list on paperwork, enter the a left of the tract identifier.	illing permit, file completion paperwork	, or reform a pooled unit pursuant to the plat shall correspond to the trac riate box. "All Fields" if the Certificate pertain ompletion.
				Page of

Form P-16: Acreage Designation

Form P-16: Page One



RAILROAD COMMISSION OF TEXAS

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967 Form P-16 Page 1 Rev. 01/2016

Acreage Designation

SECTION I. OPERATOR INFORMATION									
Operator Name:	perator Name: Operator P-5 No.:								
Operator Address:									
SECTION II. WELL INFORMATION									
District Management			SECTION II. WELL				B. Fill		
District No.:				County:		Purpose of Filing:			
Well No.:				API No.:		Drilling Permit Application			
Total Lease Acres:				Drilling Permit No	o.:		(Form W-1)		
Lease Name:				Lease No.:			Completion Report (Form G-1/W-2)		
Field Name:		Field No.:		(FORM G-1/W-2)					
as operator below. F	or all lease	s operated by othe		ed acres shown are re			r each tract for which filer is listed sion records or the filer has been		
SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER									
		H-Horizontal				SWR 38	Operator Name and		
RRC ID No. or	Well	D-Directional	Lease Name	API No.	Acres	Except.	Operator No.		
Lease No.	No.	V-Vertical			Assigned	(Y/N)	(if different from filing operator)		
						, , ,			
			90				45		
					-				
Total Well Count >			< A. Total Assigned Horiz. A		< C. Total A	Assigned Acreage			
			< Total Remaining Horiz.	Acreage		< Total F	Remaining Acreage		
			< B. Total Assigned Vert./Di	r. Acreage					
			< Total Remaining Vert./						
SECTION IV. REMARKS / PURPOSE OF FILING (see instructions)									
Scottost IVI Neininino / Fort Oue of Fleino (See instructions)									
Attach Additional Pages As Needed.									
CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.									
Signature		Name and title (type or print	t) Email (include email address <i>only</i> if you affirmatively consent to its public release)						
Address			City. State. Zip Co	de Tel: A	rea Code	Number	Date: mo. day vr.		

Form P-16: Page Two



RAILROAD COMMISSION OF TEXAS

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967 Form P-16 Page 2

Rev. 01/2016

Acreage Designation

Filer is the owner or lessee of all or an undivided portion of the minerals under each tract listed below and has the legal right to drill on each tract traversed by the well that will have perforations or other take points open in the interval of the applied-for field(s). All tracts listed will actually be traversed by the wellbore or the filer has pooling authority or other contractual authority, such as a production sharing agreement, authorizing inclusion of the non-drillsite tract in the acreage assigned to the well.

SECTION IN LICEUS		TO CONTRIBU	ITING AG	DEACE TO AN	200	DEGLESIATED	DU LOITE DE	VEL OP		THAT IC N	OT A CINICIE
SECTION V. LISTING						CONTRACT FO					DI A SINGLE
RRC ID No. or	Lease N	TO PRODUCE PORT OFFICE PROPERTY AND		ning Lease	ום ל	Allocated	Ending Le	-	Ship in a commercial of the second responsible	DOI GARAGE	Operator No
Lease No.	Lease II	iailic		creage	1.	ease Acreage	Acreag		Operator Name and Operator (if different from filing opera		The second secon
Lease NO.				creage	L	ase Acreage	Acreag	-	th different from filling op		ig operator)
								-+			
			-								
			_					-			
								-			
	-										
Total Allocated Acreage > < Total Lease Acreage					reage						
Filer is the owner or less	ee or has been	authorized by	the owner	or lessee of all	or:	an undivided nort	ion of the mir	neral est:	te under each i	ract for wh	ich filer is listed
as operator below. For											
authorized by the curren	nt operator to ch	ange the assig	ned acreas	ge of that opera	tora	as shown below.					
	SECT	ON VI LICTI	NC OF AL	LANGUEINE	E A	PPLIED FOR FIE	D ON THE C	ADAE AC	DEACE		STAN VALUE OF
						OR THE TRACTS					
	ASTITLE	LASL ON FO	SWR		71	I THE TRACTS	LISTED IN SI	CHOIL	V DI IILLIN	SWR	
	Well	Acres	38	H-Horizonta	· III			Well	Acres	38	H-Horizontal
RRC ID No. or Lease I	No. No.	Assigned	Except.	except. D-Directiona		RRC ID No. or Lease No.		No.	Assigned	Except.	D-Directional
			(Y/N)							(Y/N)	V-Vertical
					- 18						

RRC ID No. or Lease No. | Well No. | Acres Assigned | H-Horizontal D-Directional V-Vertical | V-Vertical | V-Vertical | RRC ID No. or Lease No. | Well No. | Acres Assigned | H-Horizontal D-Directional V-Vertical | V-Vertical |

Form P-16: Instructions, Page One

REVIEW AND BECOME FAMILIAR WITH SWR 37, 38, 40 AND FIELD RULES BEFORE FILING FORM P-16.

GENERAL

PURPOSE OF FILING: Form P-16, *Acreage Determination*, is to be filed for the determination of acreage credit in connection with the filing of a Form W-1, *Application for Permit to Drill, Recomplete, or Re-Enter*, or a Completion Report (Form W-2, *Oil Well Potential Test, Completion or Recompletion Report, and Log*, or Form G-1, *Gas Well Back Pressure Test, Completion or Recompletion Report, and Log*). Operators shall file for each oil or gas well in this lease and field, and shall list the number of acres that are being assigned to each well on the lease or unit.

WHO FILES: Form P-16 shall be filed by an applicant filing for a Form W-1. The form shall also be filed in connection with a Form W-2/Form G-1 or independently to adjust acreage designation for existing leases/wells, by the operator of subject lease as listed on the most current Form P-4, *Producer's Transportation Authority and Certificate of Compliance*, who assumes responsibility for the physical operation, control, and proper plugging of the well listed in Section II of Form P-16 being filed.

WHEN TO FILE: Form P-16 shall be filed in conjunction with each Form W-1 and each Form W-2/Form G-1 for all horizontal wells, and for all wells in designated UFT Fields. Form P-16 may also be filed with each Form W-1 and Form W-2/Form G-1 for any other wells. In addition, Form P-16 may be filed independently when acreage designation updates are necessary to an existing lease.

SECTION I. OPERATOR INFORMATION (REQUIRED)

Operator P-5 No. and Operator Address shall be completed with the filer's information.

SECTION II. WELL INFORMATION (REQUIRED)

When filing Form P-16 in addition to the Form W-1 application or Form(s) W-2/G-1 report, the well information section should be completed with the data that pertains to the specific well for which the permit application or completion report is being filed.

When filing Form P-16 independently to update acreage designation to an existing lease, the well information section can be completed with the data that pertains to any well on subject lease as selected by filer.

If lease acres are being adjusted on a pooled unit, a new Form P-12 and an original certified plat delineating the pooled unit shall be required. Each tract in the certified plat shall be identified with an outline and a tract identifier that corresponds to the tract identifier listed on the Form P-12 as provided for in §3.40(a) & §3.40(a)(1)

SECTION III. LISTING OF ALL WELLS IN THE APPLIED FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED BY FILER

This section should be utilized for wells on a single lease, pooled unit, or unitized tract designated by the RRC or where multiple operators have an agreement to share lease acreage.

Item A and B is required only if field rules have an exception to SWR 40. Item C is required for all other filings. (Submit either A & B, or C.)

- A) Designate total acreage assigned to horizontal wells and total remaining acreage (SWR 40 exception)
- B) Designate total acreage assigned to vertical/directional wells and total remaining acreage (SWR 40 exception)
- C) Total assigned acreage and total remaining acreage

When being filed in conjunction with the **Form W-1**, list all completed and permitted wells. Completed wells should reflect the current assigned proration acreage as reflected on RRC schedule.

When being filed in conjunction with the Form G-1/W-2 list all completed wells reflecting proposed assigned proration acreage.

SECTION IV. REMARKS/ PURPOSE OF FILING (REQUIRED)

When submitting with Form W-1 application or Form(s) W-2/G-1 report or if submitting Form P-16 independently, indicate any information pertaining to the purpose of filing and/or any detailed information to aid in the processing of this form. If Multiple Operators are listed in Section III due to the method of development, please explain the method of development. §3.40(d

Form P-16: Instructions, Page Two

SECTION V. LISTING OF ALL TRACTS CONTRIBUTING ACREAGE TO AN RRC DESIGNATED DRILLSITE DEVELOPMENTAL UNIT THAT IS NOT A SINGLE LEASE, POOLED UNIT, OR GROUP OF TRACTS UNITIZED BY CONTRACT FOR THE PURPOSE OF SECONDARY RECOVERY (IF NOT APPLICABLE SECTION V IS NOT REQUIRED)

Complete this section when total lease acreage is being adjusted from 2 or more tracts in order to create a new RRC Oil lease number or Gas ID number. For Gas leases, use only the most current Gas ID number (a listing of all gas wells within the same lease is not required). List all affected leases, lease names, and beginning acreage as indicated on most recent Form W-1 application or Form(s) VV-2/G-1 report. Acreage being removed from existing leases should be listed in Allocated Lease Acreage. The Beginning Lease Acreage minus the Allocated Lease Acreage should equal the Ending Lease Acreage for each affected lease. In addition, a plat of the lease, unit or property; containing at minimum a new lease outline and lease acres label shall be required.

SECTION VI. LISTING OF ALL WELLS IN THE APPLIED FOR FIELD ON THE SAME ACREAGE AS THE LEASE OR POOLED UNIT DESIGNATED BY FILER

List all wells and assigned proration acreage. This list should include all wells associated with leases in Section V and wells that traverse these tracts. RRC issued Gas ID numbers and Oil lease numbers, well numbers, acreage assignment with a total well count and a total acreage count. Should an RRC ID/Lease number not have been assigned, use the Drilling Permit number associated with the wellbore.

Item A is required data for filings. Item B and C is required only if field rules have an exception to SWR 40. (Submit either A, or B & C.)

- A) Total well count and total assigned acreage
- B) Designate total acreage assigned to horizontal wells (SWR 40 exception)
- C) Designate total acreage assigned to vertical/directional wells (SWR 40 exception)

When being filed in conjunction with the Form W-1, list all completed and permitted wells. Completed wells should reflect the current assigned proration acreage as reflected on RRC schedule.

When being filed in conjunction with the Form G-1/W-2 list all completed wells reflecting proposed assigned proration acreage.

IMPORTANT TERMS

DISTRICT: Indicate the Commission district associated with the RRC identifier listed in Section II.

RRC ID NO OR. LEASE NO.: Indicate the Commission lease or well ID numbers associated with this filing. If no ID has been assigned, provide a drilling permit number.

WELL NO.: Indicate the well number as listed on the Commission proration schedule or drilling permit.

ACRES ASSIGNED: Indicate the number of acres being assigned to a well for acreage designation purposes.

TRACT: Lease, pooled unit, unitized unit, or undeveloped acreage being assigned for production.

Frequently Asked Questions Concerning Drilling a Well

If you have more specific questions concerning filing electronically, go to this link: http://www.rrc.texas.gov/about-us/resource-center/faqs/oil-gas-faqs/faq-drilling-permit-application/
You will find an extensive FAQ sheet concerning electronic filing.

1. How close can I drill to an existing residential structure?

a. The Railroad Commission does not regulate how close a gas well can be drilled to a residential property. However, for a well within the city limits, the city may enact ordinances regarding the proximity to dwellings or other structures. In addition, there is an old law in the Municipal Code, Section 253.005(c), which provides: "A well may not be drilled in the thickly settled part of the municipality or within 200 feet of a private residence." Many mineral leases also include clauses that define how close a well can be drilled to existing structures. Refer to SWR 21 for rules governing the placement of flow tanks located on your lease.

2. What is an API Number?

a. This is a unique, permanent, numeric identifier assigned for identification purposes of a wellbore. It consists of 10 digits; the first 2 digits are the state code, the next 3 digits are the county code, and the last 5 digits are the unique number assigned to identify the wellbore within a county. Any existing wellbore should have an API number assigned by the RRC or by the companies appointed by the American Petroleum Institute to assign these numbers to wells drilled prior to 1966. If you need help researching an old API number you may contact the RRC GIS Mapping Dept. at (512) 463-6851.

3. How can I find out what fields may be in a specific area?

a. If you know the county and abstract number of a particular area you can utilize the Railroad Commission's Public GIS Viewer http://wwwgisp.rrc.texas.gov/GISViewer2/ to navigate to the area. Once the map has been brought up you can use the map tools to identify and pull information on wells in the area such as the field it is completed in. If you need further assistance contact the RRC GIS Mapping Dept. at (512) 463-6851.

4. How many fields can be applied for on one application?

a. There is no limit. List every field that the well may be completed in. No additional fees are required as the application is for one wellbore only. One important reminder though you must remember that you must provide the information asked for on the Form W-1 for questions 31 and 32 for each field that is added to the application.

5. Should I always add the field name of Wildcat to the Form W-1 so that I will not have to re-file the Form W-1 later, in the event of a new field discovery?

a. Yes. List all fields and reservoirs that the proposed wellbore could encounter. The field Wildcat can also be listed. (Keep in mind that all fields listed are subject to specific field or statewide rules).

6. I know the field and reservoirs that I intend to drill, but I am not sure of the current rules. How can I obtain them?

a. To find what the current rules for a field are, call up the Oil & Gas Field Information query on the RRC website using the following link:

http://webapps.rrc.texas.gov/DP/initializeFieldSearchAction.do

Enter the required information into the field query and then choose the field you wish to know about.

7. How many characters are allowed in the Lease Name box?

a. You are allowed 32 characters. If the name is longer than that, you can abbreviate if needed, but are encouraged to adhere to the allotted characters set up by the RRC.

8. Is there a certain way the system accepts well numbers?

a. Yes. The system allows the well number to be formatted a certain way. You are allowed six spaces, the first space can be either Alpha or Numeric, second, third and fourth spaces are Numeric only and the fifth & six spaces are Alpha only. If there is a dash anywhere in the numeric spaces, the dash will be changed to a zero.

9. On the Form W-1 wherever a depth is asked for should I put the Total Vertical Depth or the Measured Depth?

a. For any depth asked for on the W-1 you should be using the Total Vertical Depth (TVD). If you are re-completing a well and plugging back then the (TVD) at which the Cast Iron Bridge Plug (CIBP) was set will be the new effective depth of the well. If you have any questions call the Drilling Permit Dept. at (512) 463-6751.

10. Items 31 and 32 on the Form W-1 ask for the distance to the nearest well, and for the number of wells, on this lease and in this reservoir. What should I put on the W-1?

a. The nearest well (Item 31) will be that well which is nearest and is completed, permitted, or applied for on the lease you are permitting in and the field you are applying for. This information must be provided for each field that is on the application. The number of wells (Item 32) will be any well that has been completed, permitted, or applied for on the lease in the field you are applying for. This information must be provided for every field you are applying for.

11. Can I change the name of my wells on a lease/pooled unit, once productions has been established on it?

a. Once a lease/pooled unit has established production on it, the name for all wells that are producing out of the same field on the lease must have the same lease/unit name. If you establish production in a different regulatory field then the name that the wells are carried under can be changed at that time. If you have questions concerning this refer to SWR 40:

<u>Texas Administrative Code, Title 16, Part 1, Chapter 3, Rule 40</u>

SWR 37, 38, 39, and 40

I have filed a W-1 application and I need an exception to either SWR 37, 38, 39, or 40. What do these rules mean, and what do I need to file?

SWR 37

Minimum Lease Line Spacing Exception:

- Each field being applied for, has rules that govern how close the well can be drilled to an external lease line boundary, or to a tract within a pooled unit that is not 100% leased.
- The wellbore profile is important in determining if an exception is required.
 - (i) On a vertical well; an exception will be determined by the distance of the well to the nearest lease line, or the distance to the nearest tract with unleased acreage in a pooled unit.
 - (ii) On a standard horizontal well; an exception will be determined by the distance to the nearest lease line or the distance to the nearest tract with unleased acreage in a pooled unit, from the first take point, through and including, the last take point on the proposed horizontal wellbore.
 - (iii) On a horizontal wellbore proposed in a field that has approved dual lease line spacing language, an exception will be determined by evaluating two separate spacing distances. There will be an approved heel and toe distance from a lease line that must be met, as well as a perpendicular distance to a lease line from the first take point through and including the last take point, on the proposed horizontal wellbore.
- For any field that is in violation of the minimum lease line spacing requirements an exception will need to be applied for.
- The SWR exception fee will be required, along with any other appropriate application fees.
- The plat submitted with the application must be certified by a Registered Professional Land Surveyor (RPLS), or by someone who represents the company and can attest to the validity of the information presented on the plat.
- The plat must show all affected parties for tracts which are closer to the well than either one-half of the prescribed minimum between well spacing distance, or the minimum leasing line spacing distance; whichever is greater. These parties include:
 - (i) The designated operator.
 - (ii) All lessees of record for tracts that have no designated operator.
 - (iii) All owners of record of un-leased mineral interests.
- For any tract that is affected, which is not controlled by the filer, one (or more)of the following must be filed:
 - (i) A list of the mailing addresses of all affected parties. A 21-day notice will be sent to those parties, giving them the opportunity to protest the issuance of an exception to SWR 37.
 - (ii) Signed waivers from the affected parties.
 - (iii) If either (i) or (ii) cannot be provided, then the RRC will provide you with a set of instructions and a notice, that must be published for 4 consecutive weeks in a paper of general circulation that covers the area where the well is being proposed.

• If no protests have been received by the end of the required notification or publication time period, then the application will be approved for the exception to SWR 37.

Minimum Between Well Spacing Exception:

- Each field being applied for has rules that govern how close the well can be drilled to another well located on the same lease, and in the same field that is being applied for.
- The wellbore profile is important in determining if an exception is required.
 - (i) On a vertical/directional well, an exception will be determined by the distance of the Bottom Hole location of the well, to the nearest well in the applied for field.
 - (ii) On a horizontal well, an exception will be determined by the distance to the nearest well in the applied for field, from the first take point, through and including, the last take point on the proposed horizontal wellbore.
- For any field that is in violation of the minimum between well spacing requirements an exception will need to be applied for.
- The SWR exception fee will be required, along with any other appropriate application fees.
- The plat submitted with the application must be certified by a Registered Professional Land Surveyor (RPLS), or by someone who represents the company and can attest to the validity of the information presented on the plat.
- The plat must show all affected parties for each adjacent tract to your lease/pooled unit, and in each tract which
 is closer to the well than either one-half of the prescribed minimum between well spacing distance, or the
 minimum leasing line spacing distance; whichever is greater. These parties can include:
 - (i) The designated operator.
 - (ii) All lessees of record for tracts that have no designated operator.
 - (iii) All owners of record of un-leased mineral interests.
- For any tract that is affected, which is not controlled by the filer, one (or more) of the following must be filed:
 - (i) A list of the mailing addresses of all affected parties; a 21-day notice will be sent to those parties giving them the opportunity to protest the issuance of an exception to SWR 37.
 - (ii) Signed waivers from the affected parties.
 - (iii) If either (i) or (ii) cannot be provided, then the RRC will provide you with a set of instructions and a notice, that must be published for 4 consecutive weeks in a paper of general circulation that covers the area where the well is being proposed.
- If no protests have been received by the end of the required notification or publication time period, then the application will be approved for the exception to SWR 37.

For further information regarding SWR 37, use the following link and view Rule 3.37:

Texas Administrative Code, Title 16, Part 1, Chapter 3, Rule 3.37

SWR 38

Well Densities:

- Each field has a required minimum acreage needed to develop a well.
- The type of field you are applying for can determine if an exception is required.
 - (i) Fields classified as Unconventional Fracture Treated (UFT) are able to develop both horizontal and vertical wells independently from each other, because by rule, the same acreage can be assigned to both horizontal and vertical wells. An exception will be needed if there is not sufficient acreage to assign to the proposed well based on its profile (horizontal or vertical).
 - (ii) If your field is not a UFT field, but has had special rules approved that allow for the separate acreage assignment between vertical and horizontal wells, an exception will be needed if there is not sufficient acreage to assign to the proposed well based on its profile (horizontal or vertical).
- If there is insufficient acreage within your lease/pooled unit to develop the well, an exception to SWR 38 will be needed.
- The SWR exception fee, or W-1A fee, will be required, along with any other appropriate application fees.
- If this is the first well on the lease, you may submit a filled-out Form W-1A (See attached Form W-1A) that gives the date that the lease or drill site tract of a pooled unit or unitized tract, took its present size and shape. If the date the tract took its present size and shape is prior to the most current field rules governing the field being applied for, then the exception to SWR 38 will not be needed. If it took its size and shape after the current field rules, then the exception will be needed and the following must be submitted.
- If you have surplus acreage, which is less acreage than the smallest amount established for standard or optional drilling units, available in your lease/pooled unit, you may be able to use a W-1A to drill and assign that acreage without getting an exception to SWR 38. In order to develop to final density, an application to drill a well for oil, gas, or geothermal resource on a drilling unit composed of surplus acreage (commonly referred to as the "tolerance well"), may be granted as regular, when the operator seeking such permit certifies to The Commission in a prescribed form, the necessary data to show that such permit is needed to develop a lease, pooled unit, or unitized tract to final density, and only in the following circumstances:
 - (i) When the amount of surplus acreage equals or exceeds the maximum amount provided for tolerance acreage by special or county regular rules for the field, provided that this paragraph does not apply for a lease, pooled unit, or unitized tract that is completely developed with optional units and the special or county regular rules for the field do not have tolerance provisions expressly made applicable to optional proration units; or
 - (ii) If the special or county regular rules for the field do not have a tolerance provision expressly made applicable to optional proration units, when the amount of surplus acreage equals or exceeds one-half of the smallest amount established for an optional drilling unit; or
 - (iii) If the applicable rules for the field do not have a tolerance provision for the standard drilling or proration unit, when the amount of surplus acreage equals or exceeds one-half the amount prescribed for the standard unit.
- The plat submitted with the application must be certified by a Registered Professional Land Surveyor (RPLS), or by someone who represents the company and can attest to the validity of the information presented on the plat.

- The plat must show all affected parties for each adjacent tract to your lease/pooled unit, and each tract which is closer to the well than either one-half the prescribed minimum between-well spacing distance, or the minimum lease line spacing distance, whichever is greater. (For fields that have been classified as UFT, or have had special rules approved concerning SWR 38 notification, a reduced area of notification may be applicable).
- These parties can include:
 - (i) The designated operator.
 - (ii) All lessees of record for tracts that have no designated operator.
 - (iii) All owners of record of un-leased mineral interests.
- For any tract that is affected, which is not controlled by the filer, one or more of the following must be filed:
 - (i) A list of the mailing addresses of all affected parties. A 21-day notice will be sent to those parties giving them the opportunity to protest the issuance of an exception to SWR 38.
 - (ii) Signed waivers from the affected parties.
 - (iii) If either (i) or (ii) cannot be provided, then the RRC will provide you with a set of instructions and a notice, that must be published for 4 consecutive weeks in a paper of general circulation that covers the area where the well is being proposed.
- Also accompanying the application, there are certain requirements that must be filed for the RRC technical
 examiners to review before the exception can be granted (See attached SWR 38 Data). Certain fields classified
 as UFT, or that have had special rules approved, may not require the submission of the data summarized on the
 attached SWR 38 Data sheet.
- If no protests were received, and the technical examiners have reviewed your submitted data and agree with your calculations, then the permit will be approved. If the data does not support granting an exception to SWR 38, the application may be denied by the RRC technical examiners.

For further information regarding SWR 38, use the following link:

Texas Administrative Code, Title 16, Part 1, Chapter 3, Rule 3.38

Form W-1A: Substandard Acreage	Certification

RAILROAD COMMISSION OF TEXAS Oil and Gas Division PO Box 12967 Austin, Texas 78711-2967 www.rrc.state.tx.us

SUBSTANDARD ACREAGE CERTIFICATION

W-1A

Revised 05/2001

1. Operator Name	2. Operator P-5 Number	Operator P-5 Number RRC District Number	
4. Lease, Pooled Unit or Unitized Tract Name	5. Lease/ID Number (if as	5. Lease/ID Number (if assigned) 6. Purpose of Filing	
7. Total Acres in Lease, Pooled Unit or Unitized Tract	8. Well Number	8. Well Number	
9. County	10. API Number		
11. Field 1	RRC use only Disc. Date	Rules Eff. Date	Rules Amd. Date
12. Field 2	Disc. Date	Rules Eff. Date	Rules Amd. Date
13. Field 3	Disc. Date	Rules Eff Date	Rules Amd. Date
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CERTIFICATION FOR AN OPERATOR SEEKING A PER SUBSTANDARD ACREAGE AS DEFINED BY	RMIT ON A LEASE, POOLED UNIT C Y EITHER STATEWIDE RULE 38 OR	R UNITIZED TRACT	WHICH CONTAINS RULES.
SUBSTANDARD ACREAGE AS DEFINED BY	r either statewide rule 38 or	BY SPECIAL FIELD	and shape on
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- 1. File this form as an attachment to the Form W-1 when the subject acreage is substandard for a permit to drill, deepen, plugback, or reenter in any or all applied for fields if the property took its present size and shape prior to the attachment of applicable Commission density regulations. If the described property took its present size and shape subsequent to the adoption of those regulations, a SWR 38 exception may be required.
- 2. Provide the date the lease or unitized tract was formed in paragraph A above.

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Railroad Commission of Texas Oil and Gas Division – Permitting Services

GEOLOGICAL AND ENGINEERING DATA REQUIRED FOR STATEWIDE RULE 38 ADMINISTRATIVE EXCEPTIONS

Applicants for exceptions to Statewide Rule 38 density provisions are required to submit the following engineering and geological information for each applied-for field in support of the request when seeking administrative approval.

FOR ALL APPLICATIONS:

- 1. Area map showing mineral ownership of offsetting wells, offsetting leases, and unleased tracts.
- 2. Cross sections(s), indicating continuity or discontinuity of reservoir.
- 3. Structure map, and/or isopach map, indicating limits of reservoir (if relevant).
- 4. Recoverable reserve calculations for subject lease, pooled unit, or unitized tract, with supporting data.
- 5. Cumulative production from wells on subject lease, pooled unit, or unitized tract, that have ever produced from each applied for field.
- 6. Estimate of remaining recoverable reserves from existing wells on subject lease, pooled unit, or unitized tract, with supporting data.

WHEN THE REQUESTED EXCEPTION IS TO PREVENT WASTE:

- 7. Items 1 through 6, as listed above.
- 8. Estimate of remaining recoverable reserves from offset wells affecting subject lease, pooled unit, or unitized tract, with supporting data.
- 9. Cumulative production from offset wells affecting subject lease, pooled unit, or unitized tract.
- 10. Amount of recoverable reserves which will not be recovered by wells on, or affecting, the subject lease, pooled unit, or unitized tract.

Other relevant information may be required to evaluate the request. If any of the above required data cannot be submitted, the applicant must include a written explanation.

SWR 39

Proration and Drilling Units: Contiguity of Acreage and Exception Thereto

- Proration and Drilling Units established for individual wells drilled, or to be drilled, shall consist of acreage which is contiguous.
- A lease need not be made up of contiguous acreage.
- If a lease is non-contiguous, a plat may be requested to show the acreage of each non-contiguous tract, as well as an acreage designation list for wells completed in each tract to prove compliance to this rule.
- An exception to the contiguous acreage provision may be granted at the operator's request, if acreage that is to be included in the proration or drilling unit is separated by a long narrow right-of-way tract.
- If there is insufficient contiguous acreage that satisfies the acreage requirements on the fields being applied for, and the acreage is not separated by a long narrow right-of-way, then the applicant must request a hearing to gain an exception to SWR 39. Contact the Drilling Permit Department at 512-463-6751, if you have any questions concerning requesting a hearing.

For further information regarding SWR 39, use the following link:

Texas Administrative Code, Title 16, Part 1, Chapter 3, Rule 3.39

SWR 40

Assignment of Acreage to Pooled Development, and Proration Units

- An operator may pool acreage in accordance with appropriate contractual authority and applicable field rules, to
 create a drilling unit or proration unit, by filing a certified plat delineating the pooled unit and a Certificate of
 Pooling Authority (Form P-12).
- A certified plat that shows the outline and identifier of each tract that corresponds to the tract identifier supplied on the Form P-12.
- For each tract listed on the Form P-12, the operator shall state the number of acres contained within the tract, and this should be supported by information provided on the certified plat. If an individual tract contains a non-pooled and/or un-leased interest, the Form P-12 must be marked to reflect this.
- The operator shall state on the Form P-12, the total number of acres in the pooled unit which equals the sum of
 all acres in each individual tract that is fully or partially leased. If there is a tract within the pooled unit where
 no interest is leased, then the acreage of that tract cannot be used in calculating the total acreage of unit. The
 certified plat must support the total acreage.
- The non-pooled undivided interest holder retains his development rights in his basic tract, and should such rights be exercised, authority to develop the basic tract be approved by the Commission, and a well completed as a producer thereon, then the entire interest in the basic tract must be allocated to said well, and any interest insofar as it is pooled with another tract, must be assigned to the well on the basic tract for allocation purposes. Splitting of undivided interest in a basic tract between two or more wells on two or more tracts is not acceptable.
- Acreage assigned to a well for drilling and development, or for allocation of allowable, shall not be assigned to
 any other well or wells projected to or completed in the same reservoir; such duplicate assignment of acreage is
 not acceptable, provided, however, that this limitation shall not prevent the reformation of development or
 proration units so long as no duplicate assignment of acreage occurs, and further, that such reformation does
 not violate other conservation regulations.
- For every proposed horizontal wellbore, or any well applied for in a field classified as UFT (Unconventional Fracture Treated), a Form P-16 must be submitted with the drilling permit and completion report.

For further information regarding SWR 40, use the following link:

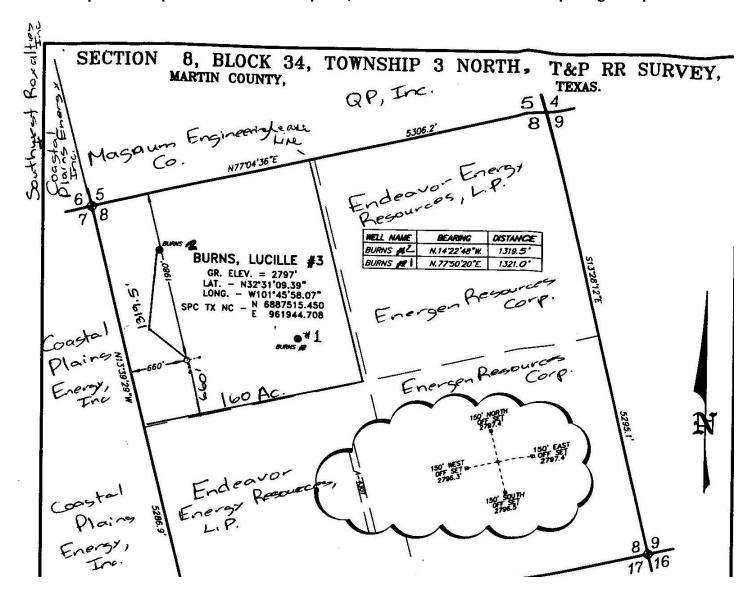
Texas Administrative Code, Title 16, Part 1, Chapter 3, Rule 3.40

Additional SWR Questions

If you still have any remaining questions concerning the SWR exceptions that have just been covered, then the following additional FAQ's may answer those questions. If not, then you may call the Drilling Permits Department at 512-463-6751, and ask to speak to a staff member who processes applications involving these SWR exceptions.

- 1. How do I figure out who I need to notice when seeking an exception to SWR 37 Between Well or SWR 38?
 - **a.** If you are seeking an exception to SWR 38, or a SWR 37 Between Well spacing exception, then you are required to notice all affected mineral offsets that bound your lease acreage. See the following example:

Proper offset plat for SWR 38 exception, and SWR 37 Between Well spacing exception:

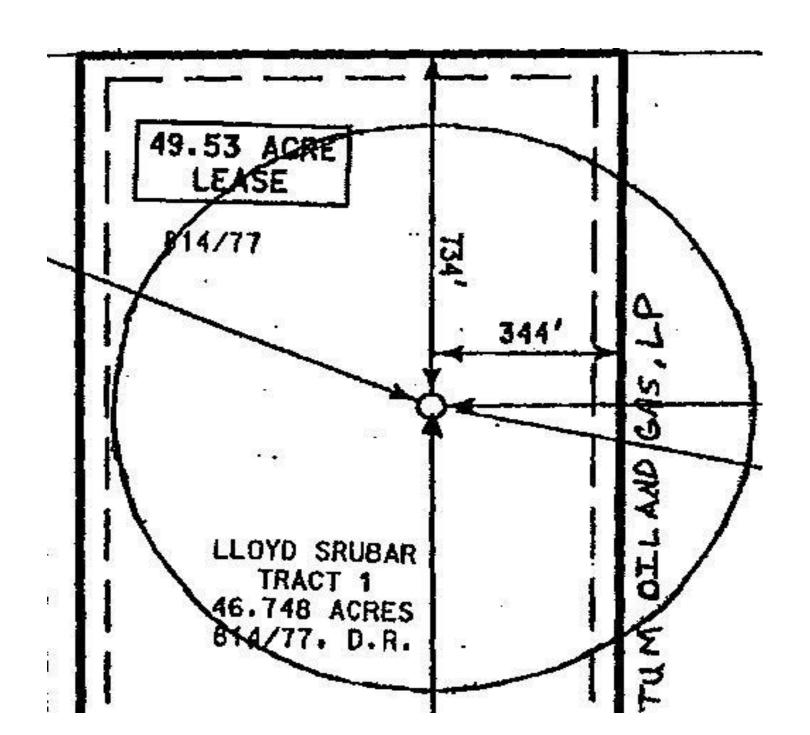


2. How do I figure out who I need to notice, when seeking an exception to SWR 37 Lease Line Exception?

- **a.** If you are seeking an exception to a SWR 37 lease line exception, then you need to notice any mineral offset that is located within the **greater** of the following two distances:
 - (i) The lease line distance as stated in the field rules.
 - (ii) Half of the between well distance as stated in the field rules.

Whichever distance is greatest, you should draw a radius around the well using that distance. Wherever the radius circle falls out of your lease, or overlaps un-leased or partially un-leased tracts, you will show those mineral offsets on your plat. See the following example:

Proper offset plat for a SWR 37 Lease Line exception; also satisfies a SWR 38 exception with special approved notification requirements:



3. What is meant by mineral offset?

- a) When the term "mineral offset" is mentioned in Statewide Rule language, it is referring to the individuals who own or control the development of the minerals on any given tract that is affected. Those individuals may be any of the following:
 - (i) The designated operator.
 - (ii) All lessees of record for tracts that have no designated operator.
 - (iii) All owners of record of un-leased mineral interests.

In order to find this information, you may be required to do title work at the county, where the minerals are located, to find out who the owners of record are, on tracts that are un-leased.

4. What is a waiver and how long is a waiver good for?

a) There is no official form that the RRC provides for use in acquiring a waiver. The letter that is generated by the operator, requesting the waiver, shall provide specific information pertaining to the application. The waiver letter should be addressed to the appropriate operator and have a place where the representative can sign and date the waiver if they choose to do so. In the body of the waiver, you should explain what type exception, field rule, or Statewide Rule you are applying for, and the basic information of your application; such as location, regulatory field, and the exception or rule provision the waiver is needed for. The RRC will only accept a waiver that was signed and dated within 6 months of the filing date of the original W1 application which carries the SWR exception that the waiver was initially granted for. (See the following image for an example of an acceptable waiver for a SWR 37 or 38 Exception).

TYPICAL FORMAT OF WAIVER REQUEST

< APPLICANT NAME ON COMPANY LETTERHEAD>

<NAME OF OFFSET> <ADDRESS OF OFFSET>

RE: < TYPE OF EXCEPTION AND NAME OF WELL SEEKING EXCEPTION>

BODY OF LETTER SHOULD INCLUDE A) TYPE OF OPERATION B) FIELD RULES C) WHY THE EXCEPTION IS NEEDED D) LOCATION OF WELL (IF COPY OF PLAT IS NOT PROVIDED.

SIGNATURE OF REPRESENTATIVE OF APPLICANT

WAIVER STATEMENT AND AREA FOR OFFSET TO SIGN AND DATE

5. How can I claim an "unaffected" resolution to my SWR exception?

- (i) For a SWR 37 Lease Line exception, in order to claim an "unaffected" resolution, the affected tracts would need to be in another state (i.e. Oklahoma, New Mexico or Louisiana), or another country (i.e. Mexico).
- (ii) For a SWR 37 Between Well and/or SWR 38 exception, an "unaffected" resolution, for geological reasons, would require you to provide copies of logs, structure maps, and any other supporting information that would allow for RRC staff Geologists to make a determination on the "unaffected" resolution.
- (iii) If applying for an "unaffected" resolution, due to a large or irregularly shaped lease; provide a plat with a one mile radius drawn around the well location, and all offsets clearly labeled on the plat. Along with this plat, provide a letter describing who the offsets are, and why it is being requested that they are deemed "unaffected".

A note must accompany the application requesting the Commission approve the request for unaffected status based on one of the 3 scenarios above.

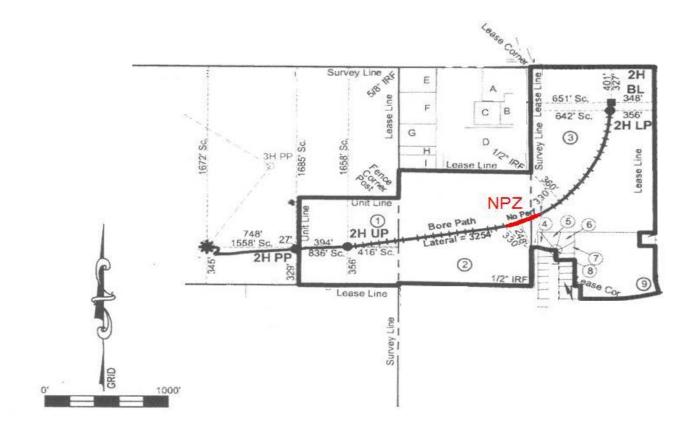
6. Is there any way to resolve a SWR exception without having to pay the exception fee or go through any of the resolutions for that exception?

- a) There are ways you can resolve a SWR exception that do not require the fee or resolution material:
 - (i) For SWR 37 Between Well exceptions; if you have a large lease/pooled unit, you may go to hearing to get an Entity For Density (EFD) approval on the lease/pooled unit. This EFD would allow for wells to be drilled closer to each other than the stated well spacing rule allows for the field you are completing in. Contact the Office of General Counsel at (512) 463-6848 to inquire what steps you would need to take to apply for the EFD.
 - (ii) Non-Concurrent Production; by taking a non-concurrent production code, you can resolve a SWR 37 between well and SWR 38 exception. You must provide the lease name and well # of the well, or wells, that you will not produce concurrently from.

By taking the Non-Concurrent Production code before you file completions for the permitted well, you will have to submit Well Record Only W-2's or G-1's that state the well, whose lease name and well # you provided on the Form W-1, are being shut-in. Once this is done, you can file the completions on the new well. If, at any time, you wish to produce all wells concurrently, then you will have to amend the permit to get the exception that is needed. If the amendment is granted with the exception to the SWR, then you can file Well Record Only W-2's or G-1's that put the wells back on schedule. If you have any questions as to what you need to submit on your completion paperwork to bring your wells back on schedule, contact your Well Compliance Analyst at (512) 463-6838.

- 7. What are the implications of using a Non Perforation Zone (NPZ) designation to resolve a potential SWR 37 exception for a horizontal well?
 - a) By using a NPZ, you are stating that there will be no perforations placed within the wellbore, where a NPZ has been identified on the plat approved with the W-1 application. A restriction will be placed on the permit, and if the permit is not amended to remove the NPZ's by either obtaining the SWR 37 exception or showing any previously un-leased tracts are now under lease, then you may be subject to enforcement actions if completions are filed showing that the portion of the wellbore in question has been perforated.

If you are using a NPZ to negate a SWR 37, the plat submitted must clearly have the NPZ identified along the wellbore path (distances covered by the NPZ(s) must be shown). The NPZ(s) must cover any portion of the wellbore that is less than the distance allowed by the field rules to an external lease line, or tract in a pooled unit that is not 100% under lease. This applies to any standard field rule spacing, and any special field rules that allow for dual lease line spacing (heel and toe). See example below.



(SL)	*
(PP)	0
(UP)	0
(LP)	•
(BL)	100
	Sc.
	+++
	(PP) (UP) (LP)

No-Perforation-Zone (NPZ) example

- 8. Based on revisions to SWR 86, all fields can have off-lease penetration points in any field a horizontal well is applied for. How do I apply for a horizontal wellbore in which I want to be able to penetrate the formation I wish to produce from, on a tract outside my lease/unit?
 - a. When applying for an off-lease penetration point, you must clearly indicate on your plat who the operator, lessee, or unleased mineral owner is for the location of the penetration point. Next, on your application, you will answer "Yes," to the question; "Is my penetration point off-lease?" On the field details page of the W-1 application, you will have to tell us how you will resolve this request. The resolutions are similar to those of a SWR 37. If you are your own offset, or have obtained signed waivers, you can submit the application immediately. If you need to send a notice to any affected party, you must wait 21 days from the date that the last notice is delivered, before you submit your application. (This is the date that the recipient receives the notice, not the date that it is created, or placed in the mail). If you are unable to locate any affected party, then you will have to publish a notice in a local paper, for four consecutive weeks. You will have to include the notice and publisher's affidavit, showing the dates that the publication was run, when the W-1 application is submitted. If you receive a protest, and you cannot resolve the matters, you can request a hearing when you submit your W-1 application. Remember, that all notifications, and/or publications, must first be completed before you submit your application. If you submit your application prior to any notification or publication having run its course, you will be required to withdraw the application if you receive a protest and you wish to amend the filing.

9. How do I permit a horizontal well?

a. The first thing that must be identified is if there are any special field rules approved for your field(s). If special field rules exist, there will be specific lease line spacing requirements approved for the field. These rules will be what are termed as, "Dual Lease Line Spacing." Under these special rules, there will be a specific distance along the axis of the wellbore, from the first or last take point to the lease line, that the well must meet (this is also referred to as, "heel and toe" spacing); as well as a specific perpendicular distance from the wellbore to any lease line. You must remember that the online system will not be able to determine if a SWR 37 Exception is required in these situations. This is what is considered, "manual review." You must evaluate your wellbore profile, based on the field rules for your applied for field(s), and determine if a spacing exception is required. If an exception is required, you will have to manually flag the application for the exception, and provide a resolution for the exception. If your field does not have special field rules, then your well (from the first take point, through and including the last take point), must meet the minimum lease line distance as stated in your field rules. Any horizontal well that is applied for, must include a Form P-16 as part of the application.

Closing Statements for Drilling Permits

Please remember that once an application is filed, and if it is not filed correctly, you may lose your fees and be required to re-file the application. If you have any questions concerning your application and how you need to file it, please contact the Drilling Permits department at (512) 463-6751.

The guidelines, as presented, are based on the current rules and procedures in place at the time of the creation of this document. As rules and procedures are constantly being amended or changed, you should contact the Drilling Permits department to verify if information being presented by this document is still current.

In most cases, having an approved GW-2 is not necessary to have when filing a drilling permit. However, if you are going to be drilling a well that falls under SWR 99 (Cathodic Protection Wells) or SWR 100 (Seismic and Core Holes), an approved GW-2 must accompany your permit application. Wells that fall under these rules are first reviewed by Field Operations personnel, and part of their review includes the GW-2.