P-16: An Advanced Discussion

Handout Addendum

Four advanced examples of using the P-16 will be discussed:

- 1) "Cascading" Allocation/PSA acreage assignments.
- 2) "Cascading" acreage using a "page wrap" method.
- 3) "Cascading" acreage using a "grouped per page" method.
- 4) Non-Contiguous Lease acreage (helps with SWR 39).

The P-16s in the following examples are based on actual W-1s submitted and the developments proposed on them; however, the Lease IDs, API Numbers, Lease Names, Tract Names, Tract ID's, and Permit Numbers have been changed to arbitrary values for example purposes.

1) "Cascading" Allocation/PSA acreage assignments.

In this example, we will look at how the P-16 is used to account for an Allocation or PSA well in which some of the wells within the developmental acreage are taking a portion of their acreage assignments from developmental tracts that are not part of the acreage described on the W-1. This is what is called, "Cascading" acreage.

- It is required to account for the tracts that the cascading wells are using for their full acreage assignment.
- This will be done by utilizing the pre-populated column headers in Section VI, and manually adding new column headers to account for the cascading developmental tract assignments.
- What we discuss with this example will create the foundation for the following three examples.

The next page shows the P-16 that will be discussed.

In Section V, only the developmental tracts that are part of the acreage development being proposed on the W-1 should be listed.

• The cascading tracts will NOT be listed in Section V.

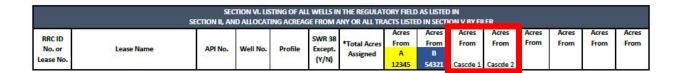
	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
Α	12345	Developmental Tract 1	500.000			
В	54321	Developmental Tract 2	500.000			
С		5-3-2				
D						
E			į.		->	
F					2.5	
G						
Н						
192.53	R	Total Acreage =	1000.000	A	TR (0)	-

- Line A is highlighted in Yellow, and Line B in Blue.
- Each row in Section V, identified by the Letter at the start of each row, will automatically populate in the column headers of Section VI.
- In the image below, each column has been highlighted with the same color as Section V, for each developmental tract.

	-200						Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
RRC ID	The second disease	12200	10.11.1		SWR 38	*Total Acres	From	From	From	From	From	From	From	From
No. or Lease No.	Lease Name	API No.	Well No.	Profile	Except. (Y/N)	Assigned	Α	В						
Lease No.		-			(1/14)	**	12345	54321	Cascde 1	Cascde 2				
12345	Developmental Tract 1		1	Horiz.		80.000	80.000							
12345	Developmental Tract 1		2	Horiz.		80.000	80.000							
12345	Developmental Tract 1		3	Horiz.		80.000	80.000							
12345	Developmental Tract 1		4	Horiz.		80.000	80.000							
54321	Developmental Tract 2		1	Horiz.		80.000		80.000						
54321	Developmental Tract 2		2	Horiz.		80.000		80.000						
54321	Developmental Tract 2		3	Horiz.		80.000		80.000						
56789	Apple		5H	Alloc.		80.000	20.000	20.000		40.000				
98765	Apple		6H	Alloc.		80.000	20.000	20.000		40.000				
34567	Banana		123HR	PSA		80.000	20.000	30.000	30.000					
76543	Banana		987HT	PSA		60.000	30.000	20.000	10.000					
Pending	EXAMPLE ALLOCATION WELL 1		A123BC	Alloc.		80.000	40.000	40.000						
Pending	EXAMPLE ALLOCATION WELL 2		D456EF	AllocSL		0.000	0.000	0.000						

 The two rows highlighted in Red are the two proposed wells that are under review.

Notice the two columns that are not color coded:



- These are the "cascade" tracts (leases, pooled units, undeveloped tracts, or a combination).
- These two columns do NOT have a letter in the headers.
- When the developmental tracts listed in Section V are automatically populated in Section VI, the column headers will show the letter from the Row in Section V and the values from the RRC ID No., Lease No., or Tract ID.
- DO NOT delete or manipulate this letter. It is there as a guide for you to know which column in Section VI references the same row from Section V.
- The columns without letters in the headers have had a lease name identifier manually added.
 - o It is best to use a lease id if this is a base lease.
 - If this is a developmental tract used in other Allocation/PSA developments and does not have any base lease wells completed, then use a short name for it.

Once you have manually added any cascading tract headers, you are ready to enter the acreage assignments for each column.

- The grey total column should show a cumulative assignment equaling at least the minimum required acreage per the field rules for the regulatory field that is being proposed.
- The total column will auto calculate, provided you have entered the well number for each well.

In the image below you will see:

- Four base lease wells for the Yellow tract (all 80 acres).
- Three base lease wells for the Blue tract (all 80 acres).
- Four cascade wells, all four with 80 acre totals.
 - Two are using Cascade Tract 1 ("Cascde 1)
 - Two are using Cascade Tract 2 ("Cascde 2)
 - Cascade was truncated to "Cascde" due to header space.
- The two wells for which W-1s have been submitted.
 - These are the Red rows, each have 80 acres total.

RRC ID			10.11.11	and the second	SWR 38	*Total Acres	Acres From							
No. or Lease No.	Lease Name	API No.	Well No.	Profile	Except. (Y/N)	Assigned	Α	В	100 5 717	144600000		1102100	1.183.111	an com
Lease No.					(1714)	60	12345	54321	Cascde 1	Cascde 2				
12345	Developmental Tract 1		1	Horiz.		80.000	80.000							
12345	Developmental Tract 1		2	Horiz.		80.000	80.000							
12345	Developmental Tract 1		3	Horiz.		80.000	80.000							
12345	Developmental Tract 1		4	Horiz.	ļļ.	80.000	80.000							
54321	Developmental Tract 2		1	Horiz.		80.000		80.000						
54321	Developmental Tract 2		2	Horiz.		80.000		80.000						
54321	Developmental Tract 2		3	Horiz.		80.000		80.000						
56789	Apple		5H	Alloc.		80.000	20.000	20.000		40.000				
98765	Apple		6H	Alloc.		80.000	20.000	20.000		40.000				
34567	Banana		123HR	PSA		80.000	20.000	30.000	30.000					
76543	Banana		987HT	PSA		60.000	30.000	20.000	10.000					
Pending	EXAMPLE ALLOCATION WELL 1		A123BC	Alloc.		80.000	40.000	40.000						
Pending	EXAMPLE ALLOCATION WELL 2		D456EF	AllocSL		0.000	0.000	0.000						

RAILROAD COMMISSION OF TEXAS

Form P-16

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Page 2

Rev. 06/2022

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-drill site tract in the acreage assigned to the well.

	SECTI	ION V. LISTING OF ALL TRACTS CONTRIBUTING ACR LEASE, POOLED UNIT, OR GROUP OF TRACTS I				
	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
Α	12345	Developmental Tract 1	500.000			
В	54321	Developmental Tract 2	500.000			
С						
D						
Е						
F						
G						
Н						
		Total Acreage =	1000.000			

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

uer euge er t	nat operator as snown below.													
						THE REGULAT								
	SE	CTION II, AN	D ALLOCAT	ING ACREAG	SE FROM A	ANY OR ALL TR								
RRC ID					SWR 38		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
No. or	Lease Name	API No.	Well No.	Profile	Except.	*Total Acres	From	From B	From	From	From	From	From	From
Lease No.					(Y/N)	Assigned	A 12345	54321	CI- 1	CI- 2				
12345	Developmental Tract 1		1	Horiz.		80.000	80.000	54321	Cascde 1	Cascde 2				
12345	Developmental Tract 1		2	Horiz.		80.000	80.000							\vdash
12345	Developmental Tract 1		3	Horiz.		80.000	80.000							
12345	Developmental Tract 1		4	Horiz.		80.000	80.000							
54321	Developmental Tract 2		_			80.000	80.000	00.000						
54321	Developmental Tract 2		2	Horiz. Horiz.		80.000		80.000						
54321	Developmental Tract 2		3	Horiz.		80.000		80.000						
56789	•		-	Alloc.		80.000	20.000	80.000		40.000				—
98765	Apple		5H	Alloc.		80.000	20.000	20.000		40.000				\vdash
34567	Apple		6H				20.000	20.000	20.000	40.000				—
	Banana		123HR	PSA		80.000	20.000	30.000	30.000					\vdash
76543	Banana EXAMPLE ALLOCATION WELL 1		987HT	PSA		60.000 80.000	30.000	20.000	10.000					—
Pending			A123BC	Alloc.			40.000	40.000						——
Pending	EXAMPLE ALLOCATION WELL 2		D456EF	AllocSL		0.000	0.000	0.000						—
														—
														
														——
														igwdown
														igwdown
														igsquare
														igsquare
														igsquare
				A. Total A	-	-	450.000	370.000	40.000	80.000				
				otal Assigned		-								
			C. Total	Assigned Ve	rt./Dir. Ad	reage =								

*A revised P-16 is required if increasing the proration acreage on an existing Allocation or PSA well utilizing acreage from a regulatory lease or undeveloped tract not listed in Section V. (refer to instructions)

2) "Cascading" acreage using a "page wrap" method.

In this example, we will look at how the P-16 is used to account for an Allocation or PSA well in which the cascading acreage is shown using a "page wrap" method.

- There are only 8 columns in Section VI, because there are only 8 rows in Section V.
- The cascading tracts have been shown in Section VI starting after the last developmental tract from Section V and then are continued on Page 2A.
- The additional cascade tracts "wrap" over to Page 2A, like how a "word wrap" might occur for a text document.

The principles on how to fill out Section V, Section VI, and the column headers in Section VI were established in the first example we discussed and will not be discussed for this one.

 We will only discuss the "page wrap" appearance of the cascade tracts.

The next page shows the P-16 that will be discussed.

In Section V, you will see ONLY the developmental tracts that comprise the Allocation development described on the W-1.

There are five tracts:

- A) Tract 1 is Orange.
- B) Tract 2 is Yellow.
- C) Tract 3 is Green.
- D) Tract 4 is Blue.
- E) Tract 5 is Fuchsia.

L	RRC ID No., ease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
A	Tract 1	UL LEASE #111111	160.000	.6		
В	Tract 2	UL LEASE #110011	320.000	6	1	
С	Tract 3	UL LEASE #33444 - 5	80.000	S	1	
D	Tract 4	UL LEASE #33444 - n	80.000	6	1	
E	Tract 5	UL LEASE #110777	160.000	S		
F				2		
G	- 12			8		
н				2	100	
		Total Acreage =	800.000	8		

In Section VI you will see the columns representing each developmental tract highlighted with the same color that each has in Section V.

- The Red line is the proposed well for this W-1.
- The Purple lines are the cascading wells.

10.11		20 00	(0)		1240202		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
RRCID					SWR 38	*Total Acres	From	From	From	From	From	From	From	From
No. or	Lease Name	API No.	Well No.	Profile	Except.	Assigned	A	В		D			increasing.	
Lease No.			50		(Y/N)	3 GROSS 19-1588	Tract 1	Tract 2	Tract 3	Tract 4	Tract 5	105999-S	105999-N	110999
11110	UL RANGERS 12-37 C	003-12345	1WB	Alloc.	N	68.320	5.000		5.000	5.000		26.660	26.660	
11111	UL RANGERS 12-37 D	003-23456	2LS	Alloc.	N	82.120	5.000		5.000	5.000	13.800	26.660	26.660	
11112	UL RANGERS 12-37 B	003-34567	1JM	Alloc.	N	82.160	5.000		5.000	5.000	13.800	26.680	26.680	
11113	UL RANGERS 12-37 E	003-45678	2MS	Alloc.	Υ	80.000	24.160	14.340	10.000	10.000	21.500			
11114	UL RANGERS 12-37 F	003-56789	2WB	Alloc.	Υ	80.460	24.160	12.840	11.000	11.000	21.460		1	
11115	UL RANGERS 12-37 G	003-67891	3LS	Alloc.	Y	81.610	24.160	14.340	11.000	11.000	21.110		1	
11116	UL RANGERS 12-37 H	003-78912	3JM	Alloc.	Y	82.610	24.160	14.340	11.000	11.000	22.110	1	1	
11117	UL RANGERS 12-37 I	003-89123	3WB	Alloc.	Y	83.610	24.160	14.340	11.000	11.000	23.110		1	
11118	UL RANGERS 12-37 J	003-91234	4LS	Alloc.	Y	84.610	24.200	14.300	11.000	11.000	24.110		1	
11119	UL RANGERS 12-1 N	003-98765	5LS	Alloc.	N	34.300		34.300					- 2	
11120	UL RANGERS 12-1 K	003-87654	4MS	Alloc.	N	34.300		34.300				1 3	- 8	
11121	UL RANGERS 12-1 L	003-76543	4WB	Alloc.	N	34.300		34.300				1	- 8	
11122	UL RANGERS 12-1 P	003-65432	6LS	Alloc.	N	34.300		34.300				1	10	
11123	UL RANGERS 12-1 M	003-54321	5JM	Alloc.	N	34.300	*	34.300						
11124	UL RANGERS 12-1 S	003-43219	7LS	Alloc.	Y	32.000		32.000						
11125	UL RANGERS 12-1 R	003-32198	6WB	Alloc.	Y	32.000		32.000			11111	1		
999999	UL ASTROS 5-36	003-21987	1H	Alloc.	N	328.850					5.000	1	- 3	323.850

Because the 7 cascading wells use more tracts than can be shown with the remaining space in Section VI, an additional page has been used.

- Instead of using Page 2A, an additional copy of Page 2 was used.
 - It is important to note that Section V has been cleared on this additional Page 2. This is because the cascade tracts are NOT part of the acreage development described on the W-1 and should be empty.
- This removes the letters from the column headers in Section VI, and the short lease identifiers have been added.

	LISTING OF ALL TRACTS CONTRIBUT EASE, POOLED UNIT, OR GROUP OF T				A SINGLE
RRC ID No Lease No. or To	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
A				9 9	
В				· .	
C					
D					
E				67	
F				ev 5	
G				0	
Н	100		į		
	 Total Acrea	ge =			

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

		SEC SECTION II, AN				THE REGULAT				LER				
RRC ID No. or Lease No.	Lease Name	API No.	Well No.	Profile	SWR 38 Except. (Y/N)	*Total Acres Assigned	Acres From UL 1994	Acres From UL 1998	Acres From	Acres From	Acres From	Acres From	Acres From	Acres From
11119	UL RANGERS 12-1 N	003-98765	5LS	Alloc.	N		22.850	22.850	. S					7
11120	UL RANGERS 12-1 K	003-87654	4MS	Alloc.	N		22.850	22.850	\$5 A					7
11121	UL RANGERS 12-1 L	003-76543	4WB	Alloc.	N		22.850	22.850	(3)	9				2.
11122	UL RANGERS 12-1 P	003-65432	6LS	Alloc.	N		22.850	22.850	1.0	1				
11123	UL RANGERS 12-1 M	003-54321	5JM	Alloc.	N		22.850	22.850	(3)					
11124	UL RANGERS 12-1 S	003-43219	7L5	Alloc.	Y		22.850	22.850	10 00	13				20
11125	UL RANGERS 12-1 R	003-32198	6WB	Alloc.	Y		22.900	22.900	8 8	8				8

- When multiple pages are used, either multiple copies of Page 2, Page 2A, multiple copies of Page 2A, or a combination of each, the form will NOT auto calculate across the additional pages.
- When RRC staff review P-16s such as these, we will add up the acreage assignment totals for each well from page to page.
- Provided each well has a cumulative assignment that is equal to or greater than the minimum required by the field rules, a Rule 38 exception will not be needed.

First Page 2:

11119	UL RANGERS 12-1 N	003-98765	5LS	Alloc.	N	34.300	34.300				
11120	UL RANGERS 12-1 K	003-87654	4MS	Alloc.	N	34.300	34.300		j P	1	
11121	UL RANGERS 12-1 L	003-76543	4WB	Alloc.	N	34.300	34.300		j ×	10	
11122	UL RANGERS 12-1 P	003-65432	6LS	Alloc.	N	34.300	34.300		1 8		
11123	UL RANGERS 12-1 M	003-54321	5JM	Alloc.	N	34.300	34.300		1 8		
11124	UL RANGERS 12-1 S	003-43219	7LS	Alloc.	Y	32.000	32.000		5 8		
11125	UL RANGERS 12-1 R	003-32198	6WB	Alloc.	Y	32.000	32.000	- 11	8		

Second Page 2:

11119	UL RANGERS 12-1 N	003-98765	5LS	Alloc.	N	22.850	22.850		(C) (C)	
11120	UL RANGERS 12-1 K	003-87654	4MS	Alloc.	N	22.850	22.850		(6 e	
11121	UL RANGERS 12-1 L	003-76543	4WB	Alloc.	N	22.850	22.850		86 3	
11122	UL RANGERS 12-1 P	003-65432	6LS	Alloc.	N	22.850	22.850		80 3	
11123	UL RANGERS 12-1 M	003-54321	5JM	Alloc.	N	22.850	22.850		8 3	
11124	UL RANGERS 12-1 S	003-43219	7L5	Alloc.	Y	22.850	22.850		8 8	
11125	UL RANGERS 12-1 R	003-32198	6WB	Alloc.	Y	22.900	22.900		(t) = 35	

- You will notice that in the second image there are no auto calculated totals. This is because the rows were copy/pasted.
- This was done intentionally to show that if you copy/paste, it will override the formulas. This is a Microsoft issue within Excel itself and happens with any copy/paste action when cells have formulas or validations. This is not an issue with the RRC Form.

Form P-16

RAILROAD COMMISSION OF TEXAS



1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

Page 2 Rev. 06/2022

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-drill site tract in the acreage assigned to the well.

	SECTI	ION V. LISTING OF ALL TRACTS CONTRIBUTING ACR LEASE, POOLED UNIT, OR GROUP OF TRACTS I				
	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
Α	Tract 1	UL LEASE #111111	160.000			
В	Tract 2	UL LEASE #110011	320.000			
С	Tract 3	UL LEASE #33444 - S	80.000			
D	Tract 4	UL LEASE #33444 - n	80.000			
Е	Tract 5	UL LEASE #110777	160.000			
F						
G						
Н						
		Total Acreage =	800.000			

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below

acreage of t	hat operator as shown below.													
						THE REGULAT								
		SECTION II, AN	D ALLOCAT	ING ACREAC	GE FROM A	NY OR ALL TR					Δ	•		
RRC ID					SWR 38	*	Acres From	Acres						
No. or	Lease Name	API No.	Well No.	Profile	Except.	*Total Acres	A	B	C	D	E	From	From	From
Lease No.					(Y/N)	Assigned	Tract 1	Tract 2	Tract 3	Tract 4	Tract 5	105999-S	105999-N	110999
11110	UL RANGERS 12-37 C	003-12345	1WB	Alloc.	N	68.320	5.000	Truct 2	5.000	5.000		26.660	26.660	110333
11111	UL RANGERS 12-37 D	003-23456	2LS	Alloc.	N	82.120	5.000		5.000	5.000	13.800	26.660	26.660	
11112	UL RANGERS 12-37 B	003-34567	1JM	Alloc.	N	82.160	5.000		5.000	5.000	13.800	26.680	26.680	
11113	UL RANGERS 12-37 E	003-45678	2MS	Alloc.	Υ	80.000	24.160	14.340	10.000	10.000	21.500			
11114	UL RANGERS 12-37 F	003-56789	2WB	Alloc.	Υ	80.460	24.160	12.840	11.000	11.000	21.460			
11115	UL RANGERS 12-37 G	003-67891	3LS	Alloc.	Υ	81.610	24.160	14.340	11.000	11.000	21.110			
11116	UL RANGERS 12-37 H	003-78912	3JM	Alloc.	Υ	82.610	24.160	14.340	11.000	11.000	22.110			
11117	UL RANGERS 12-37 I	003-89123	3WB	Alloc.	Υ	83.610	24.160	14.340	11.000	11.000	23.110			
11118	UL RANGERS 12-37 J	003-91234	4LS	Alloc.	Υ	84.610	24.200	14.300	11.000	11.000	24.110			
11119	UL RANGERS 12-1 N	003-98765	5LS	Alloc.	N	34.300		34.300						
11120	UL RANGERS 12-1 K	003-87654	4MS	Alloc.	N	34.300		34.300						
11121	UL RANGERS 12-1 L	003-76543	4WB	Alloc.	N	34.300		34.300						
11122	UL RANGERS 12-1 P	003-65432	6LS	Alloc.	N	34.300		34.300						
11123	UL RANGERS 12-1 M	003-54321	5JM	Alloc.	N	34.300		34.300						
11124	UL RANGERS 12-1 S	003-43219	7LS	Alloc.	Υ	32.000		32.000						
11125	UL RANGERS 12-1 R	003-32198	6WB	Alloc.	Υ	32.000		32.000						
999999	UL ASTROS 5-36	003-21987	1H	Alloc.	N	328.850					5.000			323.850
		-	-	A. Total A	ssigned Ac	reage =	160.000	320.000	80.000	80.000	166.000	80.000	80.000	323.850
			B. To	otal Assigne	d Horiz. Ac	reage =	160.000	320.000	80.000	80.000	166.000	80.000	80.000	323.850

C. Total Assigned Vert./Dir. Acreage

0.000 0.000 0.000 0.000 0.000 0.000 0.000

^{*}A revised P-16 is required if increasing the proration acreage on an existing Allocation or PSA well utilizing acreage from a regulatory lease or undeveloped tract not listed in Section V. (refer to instructions)

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RAILROAD COMMISSION OF TEXAS

Form P-16

1701 N. Congress
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Austin, Texas 78701-2967

Page 2
Rev. 06/2022

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-drill site tract in the acreage assigned to the well.

	SECT	ION V. LISTING OF ALL TRACTS CONTRIBUTING ACR LEASE, POOLED UNIT, OR GROUP OF TRACTS I				
	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
Α						
В						
С						
D						
Е						
F						
G						
Н						
	·	Total Acreage =				_

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

acreage of t	hat operator as shown below.													
		SEC	TION VI. LIS	TING OF AL	L WELLS IN	THE REGULAT	TORY FIELD	AS LISTED	IN					
	\$	ECTION II, AN	D ALLOCAT	ING ACREAG	GE FROM A	NY OR ALL TR	ACTS LISTE	D IN SECTION	ON V BY FI	LER				
RRC ID No. or Lease No.	Lease Name	API No.	Well No.	Profile	SWR 38 Except. (Y/N)	*Total Acres Assigned	Acres From UL 1994	Acres From UL 1998	Acres From	Acres From	Acres From	Acres From	Acres From	Acres From
11119	UL RANGERS 12-1 N	003-98765	5LS	Alloc.	N		22.850	22.850						
11120	UL RANGERS 12-1 K	003-87654	4MS	Alloc.	N		22.850	22.850						
11121	UL RANGERS 12-1 L	003-76543	4WB	Alloc.	N		22.850	22.850						
11122	UL RANGERS 12-1 P	003-65432	6LS	Alloc.	N		22.850	22.850						
11123	UL RANGERS 12-1 M	003-54321	5JM	Alloc.	N		22.850	22.850						
11124	UL RANGERS 12-1 S	003-43219	7LS	Alloc.	Υ		22.850	22.850						
11125	UL RANGERS 12-1 R	003-32198	6WB	Alloc.	Υ		22.900	22.900						
														igsquare
			ļ											
		+												\vdash
		+												\vdash
														\vdash
			1	A. Total A	ssianed As	70270 -	160.000	160.000						
			рт	A. Total As otal Assigned	-	•	160.000	160.000						
				Assigned Ve		•	160.000 0.000	160.000						
			C. rotar	Assigned Ve	rt./Dir. AC	reage =	0.000	0.000						

*A revised P-16 is required if increasing the proration acreage on an existing Allocation or PSA well utilizing acreage from a regulatory lease or undeveloped tract not listed in Section V. (refer to instructions)

3) "Cascading" acreage: "grouped per page" method.

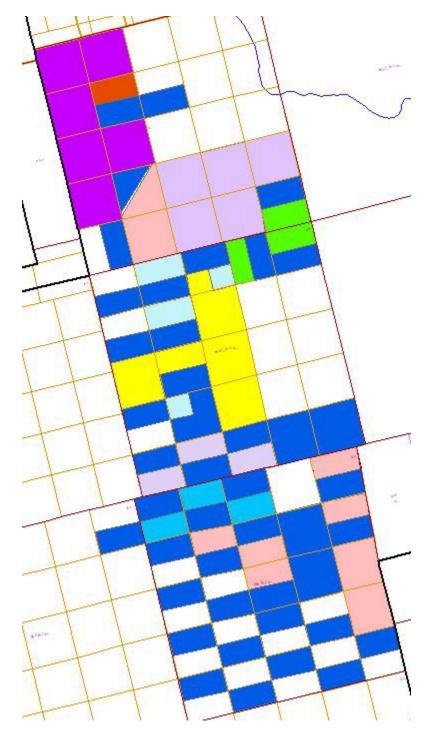
In this example, we will look at how the P-16 is used to account for an Allocation or PSA well in which the cascading acreage is shown using a "grouped per page" method.

- Some cascading situations are so complex that there are many developmental setups that need to be reported due to the use of one or more shared tracts between many wells.
- It is possible to group each developmental setup per page.
- For this example, only one Page 2 is used.
- There are several copies of Page 2A that are being used to show the cascade groups of wells.
- The column headers from Section V will carry over to Page 2A; therefore, each copy of Page 2A will show the two developmental tracts already prepopulated.
- Each copy of Page 2A then has the cascade tracts manually entered in the column headers.

The next page shows a plat that we will use for this concept.

The subsequent page after that will show the full P-16.

TEX RANCH LEASE AREA



The above image shows multiple leases that an Allocation and/or PSA well could be permitted through. This can create a complicated and multi-faceted cascading effect.

There are only two developmental tracts for this particular allocation development, and they are shown in Section V.

- A) Tex Ranch is Yellow
- B) Tex Ranch A is Blue

	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No (if different from filing operator)
Α	Tex Ranch	Tex Ranch	3040.000			
В	Tex Ranch A	Tex Ranch A	3680.400	11	1	
С				3	1	
D	8.					
E	8.			8		
F.	>		39	9	7 5	
G	2		39	9	9	
Н	8		3	8	1	
156	32	Total Acreage =	6720.400			

- Eight allocation wells are being proposed and submitted at the same time.
- Two of them only use the developmental tracts from Section V.
- The remaining six use one additional cascade tract that is not used by any other cascade group.
- Therefore, all 8 wells, and the single cascade tract are shown in Section VI.

		SECTION II, AN				THE REGULAT				ER				
RRC ID	Lance Williams				SWR 38	*Total Acres	Acres From							
No. or Lease No.	Lease Name	API No.	Well No.	Profile	Except. (Y/N)	Assigned	A rex	B rex	Tex 2023					353050-360
Pending	Tex Champ 249J	Pending	101 HD	Alloc.	N	80.000	40.000	40.000						
Pending	Tex Champ 249J	Pending	102 HD	AllocSL	N	0.000	0.000	0.000						
Pending	Tex Champ 249L	Pending	103HR	Alloc.	N	80.000	20.000	40.000	20.000					
Pending	Tex Champ 249LL	Pending	104HC	Alloc.	N	80.000	20.000	40.000	20.000				20	
Pending	Tex Champ 249LL	Pending	105HG	AllocSL	N	0.000	0.000	0.000	0.000					
Pending	Tex Champ 249LL	Pending	106HE	AllocSL	N	0.000	0.000	0.000	0.000					
Pending	Tex Champ 249M	Pending	107HD	Alloc.	N	80.000	20.000	40.000	20.000				83 - 23	
Pending	Tex Champ 249M	Pending	108HL	AllocSL	N	0.000	0.000	0.000	0.000				83 - 23	

Instead of using 5 additional copies of Page 2 and having a very large number of cascade tract added across those pages, copies of Page 2A are being used so that the two developmental tracts shown in Section V are already populated in the headers for Section VI.

- This allows for all the developmental setups that share either one of, or both developmental tracts from Section V, to be shown on individual pages.
- This eliminates a situation in which multiple wells are listed on multiple pages, which can result in double (or triple) counting of that well.

RRC ID				952	SWR 38	*Total	Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
No. or Lease No.	Lease Name	API No.	Well No.	Profile	Except. (Y/N)	Acres Assigned	A	B	Tex 5	Tex 2	UT7			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
12345	TDL 9138	123-11111	1HE	Alloc.	N	53.60	23.600		10.000	8.000	12.000		1	Ē.
12345	TDL 9138	123-11112	2HC	AllocSL	N	0.00	0.000		0.000	0.000	0.000			
51234	TDL 942F	123-11113	1701HC	Alloc.	N	120.00	90.000		10.000	8.000	12.000	8 8	- 1	
51234	TDL 942F	123-11114	1702HG	AllocSL	N	0.00	0.000		0.000	0.000	0.000			
51234	TDL 942F	123-11115	1703HE	AllocSL	N	0.00	0.000		0.000	0.000	0.000	8 48	-	
52345	TDL 942G	123-11116	1704HD	Alloc.	N	126.40	96.400		10.000	8.000	12.000	8 - 18		
53456	TDL 942X	123-11117	1705HG	Alloc.	N	220.00	90.000		10.000	8.000	112.000			
53456	TDL 942X	123-11118	1706HC	AllocSL	N	0.00	0.000	2	0.000	0.000	0.000	1 8	1 3	-
53456	TDL 942X	123-11119	1707HD	AllocSL	N	0.00	0.000		0.000	0.000	0.000			

The wells in the above image all have the same developmental setup, and thus the same tracts.

- They are not listed in any other developmental setup group, or on any other page.
- The three additional cascade tracts are not used with any other developmental setup group, or on any other page.
- The only common tracts shown are A and B.
- These wells are only using Tract A, which is from Section V.

Here are two additional developmental setup groups, each using their own copy of Page 2A.

		SECTION VI SECTION II, ANI				LS IN THE RE				ER				
RRC ID				75	SWR 38	*Total	Acres From	Acres						
No. or Lease No.	Lease Name	API No.	Well No.	Profile	Except. (Y/N)	Acres Assigned	A	B	TDL 800	UT1	HOU320	DAL 1		
12345	ASTROS 813U	123-22222	11HD	Alloc.	N	131.00	10.000		56.000		33.000	32.000	1	Ē.
12345	ASTROS 813U	123-22223	12HF	AllocSL	N	0.00	0.000		0.000		0.000	0.000		
12345	ASTROS 813U	123-22224	13HC	AllocSL	N	0.00	0.000	- 1	0.000	9 9	0.000	0.000	- 1	
12345	ASTROS 813U	123-22225	14HE	AllocSL	N	0.00	0.000		0.000		0.000	0.000		
23456	estros 813t	123-22226	7HD	Alloc.	N	243.99	40.000		147.740	19.250	5.000	32.000	-	
23456	astros 813t	123-22227	SHE	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000	- 3	
23456	astros 813t	123-22228	9HF	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
23456	astros 813t	123-22229	10HE	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000	- 3	Š.
34567	ASTROS 813S	123-22230	3HF	Alloc.	N	243.98	40.000		147.740	19.240	5.000	32.000		
34567	ASTROS 813S	123-22231	4HE	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000	2	è.
34567	ASTROS 813S	123-22232	5HF	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
34567	ASTROS 813S	123-22233	6HC	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
45678	astros 813r	123-22234	2HD	Alloc.	N	212.83	68.000		100.000	12.830		32.000		

- In the above developmental group, there are three stacked lateral sets, and one standalone well. All the wells are using Tract A from Section V, and then there are four cascade tracts among them.
- One stacked set uses three of the cascade tracts, along with the standalone well, and the other two stacked sets use four cascade tracts.

		SECTION VI		ED). LISTING ING ACREAG						ER				
RRCID					SWR 38	*Total	Acres From							
No. or Lease No.	Lease Name	API No.	Well No.	Profile	Except. (Y/N)	Acres Assigned	A rex	B IEX	DK198	KD891	DAK023	KAD320	AUS North	
98765	Nolan Ryan 842A	123-33333	1501H	Alloc.	N	175.45		77.780	8.870	44.400	44.400	8		
87654	Nolan Ryan 842B	123-33334	1501M	Alloc.	N	131.52		68.000	, 111		53.520	10.000		
76543	Nolan Ryan 842C	123-33335	1502H	Alloc.	N	160.52		67.000		3 - 3	53.520	40.000		
65432	UT 942F	123-44444	1HE	Alloc.	N	188.71		80.000		8		3 8	108.710	
65432	UT 942F	123-44445	2HC	AllocSL	N	0.00		0.000					0.000	
65432	UT 942F	123-44446	3HF	AllocSL	N	0.00		0.000		8 8		8	0.000	1
65432	UT 942F	123-44447	4HD	AllocSL	N	0.00		0.000					0.000	
54321	UT 942G	123-44448	SHE	Alloc.	N	183.71		75.000		()		()	108.710	
54321	UT 942G	123-44449	6HC	AllocSL	N	0.00		0.000					0.000	

- A similar scenario exists in the next image, directly above, except these wells are using Tract B from Section V.
- No cascade tracts shown in either of the above two groups are used in any other group or shown on any other page.

The last two pages of groups only account for the base lease wells that exist within each of the developmental tracts listed in Section V.

RRCID					SWR 38	*Total	Acres	Acres From	Acres	Acres	Acres From	Acres	Acres	Acres
No. or Lease No.	Lease Name	API No.	Well No.	Profile	Except. (Y/N)	Acres Assigned	A rex	B						
11111	Tex Ranch	123-32145	1	Horiz.	N	80.00	80.000		()	8 3		§ 5		5
11111	Tex Ranch	123-32146	2	Horiz.	N	80.00	80.000							
11111	Tex Ranch	123-32147	3	Horiz.	N	80.00	80.000					8		
11111	Tex Ranch	123-32148	4	Horiz.	N	80.00	80.000			.y				
11111	Tex Ranch	123-32149	5	Horiz.	N	80.00	80.000		8	275		3 - 3		
11111	Tex Ranch	123-32140	6	Horiz.	N	80.00	80.000			3 1		3 3		
11111	Tex Ranch	123-32141	7	SL	N	0.00	0.000		1					
11111	Tex Ranch	123-32142	8	SL	N	0.00	0.000		9	8		8 8		
11111	Tex Ranch	123-32143	9	SL	N	0.00	0.000							

Above are the base lease wells from Tract A only.

		SECTION VI SECTION II, ANI				LS IN THE RE				LER				
RRC ID No. or Lease No.	Lease Name	API No.	Well No.	Profile	SWR 38 Except. (Y/N)	*Total Acres Assigned	Acres From A IEX	Acres From B	Acres From	Acres From	Acres From	Acres From	Acres From	Acres From
33333	Tex Ranch A	123-45678	11	Horiz.	N	80.00	-	80.000	3					
33355	Tex Ranch A	123-45677	22	SL	N	0.00		0.000						
33333	Tex Ranch A	123-45676	33	SL	N	0.00		0.000	8	23 (9 8		
33333	Tex Ranch A	123-45675	44	Horiz.	N	80.00		80.000						
55555	Tex Ranch A	123-45674	55	Horiz.	N	80.00	i i	80.000	. 6	8		3 8		
33333	Tex Ranch A	123-45673	66	Horiz.	N	80.00		80.000	· - 8	3 - 1		3 3		
33355	Tex Ranch A	123-45672	77	Horiz.	N	80.00		80.000	- 20	2		~ ~		
55555	Tex Ranch A	123-45671	88	Horiz.	N	80.00		80.000	9 9	£ 1		8 8		
33333	Tex Ranch A	123-45670	99	Horiz.	N	80.00		80.000						

Above are the base lease wells from Tract B only.

Showing developmental groups on separate pages has benefits:

- It makes identifying well count more efficient; there are no wells listed more than once.
- It gives you a good picture of the acreage assignments without having to cross over pages.
- It allows the full acreage assignment for a well to be seen on one page without having to add the totals from other pages.

TO MISSION OF THE PROPERTY OF

RAILROAD COMMISSION OF TEXAS

Form P-16

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Page 2

Rev. 06/2022

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-drill site tract in the acreage assigned to the well.

	SECTI	ION V. LISTING OF ALL TRACTS CONTRIBUTING ACR LEASE, POOLED UNIT, OR GROUP OF TRACTS I				
	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
Α	Tex Ranch	Tex Ranch	3040.000			
В	Tex Ranch A	Tex Ranch A	3680.400			
С						
D						
Е						
F						
G						
Н						
		Total Acreage =	6720.400			

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

acreage of t	that operator as shown below.													
		SEC	TION VI. LIS	TING OF ALI	L WELLS IN	THE REGULAT	ORY FIELD	AS LISTED	IN					
	9	ECTION II, AN	D ALLOCAT	ING ACREAG	SE FROM A	NY OR ALL TR	ACTS LISTE	D IN SECTION	ON V BY FII	.ER				
RRC ID					SWR 38		Acres	Acres	Acres	Acres	Acres	Acres	Acres	Acres
No. or	Lease Name	API No.	Well No.	Profile	Except.	*Total Acres	From A	From	From	From	From	From	From	From
Lease No.					(Y/N)	Assigned	iex	B	Tex 2023					
Pending	Tex Champ 249J	Pending	101 HD	Alloc.	N	80.000	40.000	40.000						
Pending	Tex Champ 249J	Pending	102 HD	AllocSL	N	0.000	0.000	0.000						
Pending	Tex Champ 249L	Pending	103HR	Alloc.	N	80.000	20.000	40.000	20.000					
Pending	Tex Champ 249LL	Pending	104HC	Alloc.	N	80.000	20.000	40.000	20.000					
Pending	Tex Champ 249LL	Pending	105HG	AllocSL	N	0.000	0.000	0.000	0.000					
Pending	Tex Champ 249LL	Pending	106HE	AllocSL	N	0.000	0.000	0.000	0.000					
Pending	Tex Champ 249M	Pending	107HD	Alloc.	N	80.000	20.000	40.000	20.000					
Pending	Tex Champ 249M	Pending	108HL	AllocSL	N	0.000	0.000	0.000	0.000					
				A. Total As	-	-	100.000	160.000	60.000					
				otal Assigned		-	100.000	160.000	60.000					
			C. Total	Assigned Ve	rt./Dir. Ac	reage =	0.000	0.000	0.000					

*A revised P-16 is required if increasing the proration acreage on an existing Allocation or PSA well utilizing acreage from a regulatory lease or undeveloped tract not listed in Section V. (refer to instructions)

THE STORY OF THE S

RAILROAD COMMISSION OF TEXAS

Form P-16 Attachment Page 2A

Rev. 06/2022

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Acreage Designation

RRC ID No. or Lease No. 12345 12345 51234 51234 51234 52345 53456 53456 53456	TDL 913B TDL 913B TDL 912F TDL 942F TDL 942F TDL 942F TDL 942C TDL 942X TDL 942X TDL 942X	API No. 123-11111 123-11112 123-11113 123-11114 123-11115 123-11116 123-11117 123-11118 123-11119	Well No. 1HE 2HC 1701HC 1702HG 1703HE 1704HD 1705HG 1706HC 1707HD	Alloc. AllocSL AllocSL AllocSL AllocSL AllocSL AllocSL Alloc. AllocSL AllocSL	SWR 38 Except. (Y/N) N N N N N N N N N N N N	*Total Acres Assigned 53.60 0.00 120.00 0.00 0.00	Acres From A 1EA 23.600 0.000 90.000 0.000 0.000	Acres From B	Acres From Tex 5 10.000 0.000 10.000 0.000 0.000	Acres From Tex 2 8.000 0.000 8.000 0.000 0.000	Acres From UT 7 12.000 0.000 12.000 0.000 0.000	Acres From	Acres From	Acres From
12345 12345 51234 51234 51234 51234 52345 53456 53456	TDL 913B TDL 942F TDL 942F TDL 942F TDL 942G TDL 942X TDL 942X	123-11112 123-11113 123-11114 123-11115 123-11116 123-11117 123-11118	2HC 1701HC 1702HG 1703HE 1704HD 1705HG 1706HC	AllocSL AllocSL AllocSL AllocSL Alloc. Alloc. Alloc. Alloc.	N N N N N	53.60 0.00 120.00 0.00 0.00 126.40	23.600 0.000 90.000 0.000 0.000	Parada A	10.000 0.000 10.000 0.000	8.000 0.000 8.000 0.000	12.000 0.000 12.000 0.000			
12345 51234 51234 51234 52345 53456 53456	TDL 913B TDL 942F TDL 942F TDL 942F TDL 942G TDL 942X TDL 942X	123-11112 123-11113 123-11114 123-11115 123-11116 123-11117 123-11118	2HC 1701HC 1702HG 1703HE 1704HD 1705HG 1706HC	AllocSL AllocSL AllocSL AllocSL Alloc. Alloc. Alloc. Alloc.	N N N N N	0.00 120.00 0.00 0.00 126.40	0.000 90.000 0.000 0.000		0.000 10.000 0.000	0.000 8.000 0.000	0.000 12.000 0.000			
51234 51234 51234 52345 53456 53456	TDL 942F TDL 942F TDL 942F TDL 942G TDL 942X TDL 942X	123-11113 123-11114 123-11115 123-11116 123-11117 123-11118	1701HC 1702HG 1703HE 1704HD 1705HG 1706HC	AllocSL AllocSL Alloc. Alloc. Alloc.	N N N N	120.00 0.00 0.00 126.40	90.000 0.000 0.000		10.000	8.000 0.000	12.000 0.000			
51234 51234 52345 53456 53456	TDL 942F TDL 942F TDL 942G TDL 942X TDL 942X	123-11114 123-11115 123-11116 123-11117 123-11118	1702HG 1703HE 1704HD 1705HG 1706HC	AllocSL Alloc. Alloc. Alloc. AllocSL	N N N	0.00 0.00 126.40	0.000		0.000	0.000	0.000			
51234 52345 53456 53456	TDL 942F TDL 942G TDL 942X TDL 942X	123-11115 123-11116 123-11117 123-11118	1703HE 1704HD 1705HG 1706HC	AllocSL Alloc. Alloc. AllocSL	N N N	0.00 126.40	0.000							
52345 53456 53456	TDL 942G TDL 942X TDL 942X	123-11116 123-11117 123-11118	1704HD 1705HG 1706HC	Alloc. AllocSL	N N	126.40			0.000	0.000	0.000			
53456 53456	TDL 942X TDL 942X	123-11117 123-11118	1705HG 1706HC	AllocSL	N									
53456	TDL 942X	123-11118	1706HC	AllocSL			96.400		10.000	8.000	12.000			
					N	220.00	90.000		10.000	8.000	112.000			
53456	TDL 942X	123-11119	1707HD	AllocSL		0.00	0.000		0.000	0.000	0.000			
					N	0.00	0.000		0.000	0.000	0.000			
-														
														
														-
$\overline{}$														
														
$\overline{}$														
														†
		•	<u> </u>	A. Total	Assigned Acr	eage =	300.000	0.000	40.000	32.000	148.000			
			В.	Total Assign	ed Horiz. Acr	eage =	300.000	0.000	40.000	32.000	148.000			

THE STORY OF THE S

RAILROAD COMMISSION OF TEXAS

Form P-16 Attachment Page 2A

Rev. 06/2022

1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Acreage Designation

					OF ALL WEL									
	S	ECTION II, AN	DALLOCAT	ING ACREAG	E FROM ANY	OR ALL TR								
RRC ID					SWR 38	*Total	Acres	Acres	Acres	Acres	Acres From	Acres	Acres	Acres
No. or	Lease Name	API No.	Well No.	Profile	Except.	Acres	From A	From B	From TDL	From	FIOIII	From DAL	From	From
Lease No.					(Y/N)	Assigned	i ex	IEX	800	UT 1	HOU320	1		
12345	ASTROS 813U	123-22222	11HD	Alloc.	N	131.00	10.000	Danah A	56.000	011	33.000	32.000		
12345	ASTROS 813U	123-22223	12HF	AllocSL	N	0.00	0.000		0.000		0.000	0.000		
12345	ASTROS 813U	123-22224	13HC	AllocSL	N	0.00	0.000		0.000		0.000	0.000		
12345	ASTROS 813U	123-22225	14HE	AllocSL	N	0.00	0.000		0.000		0.000	0.000		
23456	astros 813t	123-22226	7HD	Alloc.	N	243.99	40.000		147.740	19.250	5.000	32.000		
23456	astros 813t	123-22227	8HE	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
23456	astros 813t	123-22228	9HF	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
23456	astros 813t	123-22229	10HE	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
34567	ASTROS 813S	123-22230	3HF	Alloc.	N	243.98	40.000		147.740	19.240	5.000	32.000		
34567	ASTROS 813S	123-22231	4HE	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
34567	ASTROS 813S	123-22232	5HF	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
34567	ASTROS 813S	123-22233	6HC	AllocSL	N	0.00	0.000		0.000	0.000	0.000	0.000		
45678	astros 813r	123-22234	2HD	Alloc.	N	212.83	68.000		100.000	12.830		32.000		
		1	ļ											
		1	ļ											
					Assigned Acr	-	158.000	0.000	451.480	51.320	43.000	128.000		
				_	ed Horiz. Acr	-	158.000	0.000	451.480	51.320	43.000	128.000		
			C. Tota	al Assigned \	/ert./Dir. Acr	eage =	0.000	0.000	0.000	0.000	0.000	0.000		

CON MISSION

RAILROAD COMMISSION OF TEXAS

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1701 N. Congress
P.O. Box 12967
Austin, Texas 78701-2967

Acreage Designation

		SECTION V SECTION II, AN			OF ALL WEL E FROM ANY					LER				
RRC ID No. or Lease No.	Lease Name	API No.	Well No.	Profile	SWR 38 Except. (Y/N)	*Total Acres Assigned	Acres From A	Acres From B	Acres From DK198	Acres From KD891	Acres From DAK023	Acres From KAD320	Acres From AUS North	Acre Fron
98765	Nolan Ryan 842A	123-33333	1501H	Alloc.	N	175.45	Donah	77.780	8.870	44.400	44.400			
87654	Nolan Ryan 842B	123-33334	1501M	Alloc.	N	131.52		68.000	0.070	111100	53.520	10.000		
76543	Nolan Ryan 842C	123-33335	1502H	Alloc.	N	160.52		67.000			53.520	40.000		
65432	UT 942F	123-44444	1HE	Alloc.	N	188.71		80.000				10.000	108.710	
65432	UT 942F	123-44445	2HC	AllocSL	N	0.00		0.000			 		0.000	
65432	UT 942F	123-44446	3HF	AllocSL	N	0.00		0.000					0.000	
65432	UT 942F	123-44447	4HD	AllocSL	N	0.00		0.000					0.000	
54321	UT 942G	123-44448	5HE	Alloc.	N	183.71		75.000					108.710	
	UT 942G					0.00								
54321	01 9420	123-44449	6HC	AllocSL	N	0.00		0.000					0.000	
							0.000	367.780	0.070	44.400	151.440	FO 200	217 420	
			-		Assigned Acr ed Horiz. Acr		0.000		8.870	44.400		50.000	217.420	
				-	ea ногız. Асı /ert./Dir. Асı	-	0.000	367.780 0.000	8.870 0.000	44.400 0.000	151.440 0.000	50.000 0.000	217.420 0.000	

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RAILROAD COMMISSION OF TEXAS

Form P-16 Attachment Page 2A Rev. 06/2022

1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

Acreage Designation

a production	sharing agreement, authorizing inclu	sion of the no	n-drill site ti	ract in the ac	reage assign	ed to the w	ell.							
	•	SECTION V SECTION II, AN			OF ALL WEL E FROM ANY					LER				
RRC ID No. or Lease No.	Lease Name	API No.	Well No.	Profile	SWR 38 Except. (Y/N)	*Total Acres Assigned	Acres From A	Acres From B	Acres From	Acres From	Acres From	Acres From	Acres From	Acres From
11111	Tex Ranch	123-32145	1	Horiz.	N	80.00	80.000	Donah A						
11111	Tex Ranch	123-32146	2	Horiz.	N	80.00	80.000							
11111	Tex Ranch	123-32147	3	Horiz.	N	80.00	80.000							
11111	Tex Ranch	123-32148	4	Horiz.	N	80.00	80.000							
11111	Tex Ranch	123-32149	5	Horiz.	N	80.00	80.000							
11111	Tex Ranch	123-32140	6	Horiz.	N	80.00	80.000							
11111	Tex Ranch	123-32141	7	SL	N	0.00	0.000							
11111	Tex Ranch	123-32142	8	SL	N	0.00	0.000							
11111	Tex Ranch	123-32143	9	SL	N	0.00	0.000							
														-
-														<u> </u>
+									1		-		1	
		·		A. Total	Assigned Acr	eage =	480.000	0.000						
			В.	Total Assign	ed Horiz. Acr	eage =	480.000	0.000						
			C. Tota	al Assigned \	/ert./Dir. Acr	eage =	0.000	0.000						

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RAILROAD COMMISSION OF TEXAS

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Austin, Texas 78701-2967

Acreage Designation

RRC ID No. or Lease No. 55555 55555 55555	Lease Name Tex Ranch A	API No.		ING ACREAG			ACTS LISTE Acres	Acres	ON V BY FIL Acres	.ER Acres	Acres	Acres	Acres	Acres		
No. or Lease No. 55555 55555 55555 55555	Tex Ranch A	API No.	RRC ID SWR 38 *Total From From From From From From From From													
55555 55555 55555			Well No.	Profile	Except. (Y/N)	*Total Acres Assigned	From A	From B	From	From	From	From	From			
55555 55555		123-45678	11	Horiz.	N	80.00	Hanah	80.000								
55555	Tex Ranch A	123-45677	22	SL	N	0.00		0.000								
	Tex Ranch A	123-45676	33	SL	N	0.00		0.000								
	Tex Ranch A	123-45675	44	Horiz.	N	80.00		80.000								
55555	Tex Ranch A	123-45674	55	Horiz.	N	80.00		80.000								
55555	Tex Ranch A	123-45673	66	Horiz.	N	80.00		80.000								
55555	Tex Ranch A	123-45672	77	Horiz.	N	80.00		80.000								
55555	Tex Ranch A	123-45671	88	Horiz.	N	80.00		80.000								
55555	Tex Ranch A	123-45670	99	Horiz.	N	80.00		80.000								
-+														-		
																
														<u> </u>		
														-		
														 		
														<u> </u>		
					Assigned Acr		0.000	560.000								
			В.	Total Assign	ed Horiz. Acr	eage =	0.000	560.000								

4) Non-Contiguous Lease acreage (helps with SWR 39).

In this example, we will look at how the P-16 can be used to account for how much acreage as well is assigned from one or more non-contiguous sections of a non-contiguous lease, which can help identify SWR 39 situations.

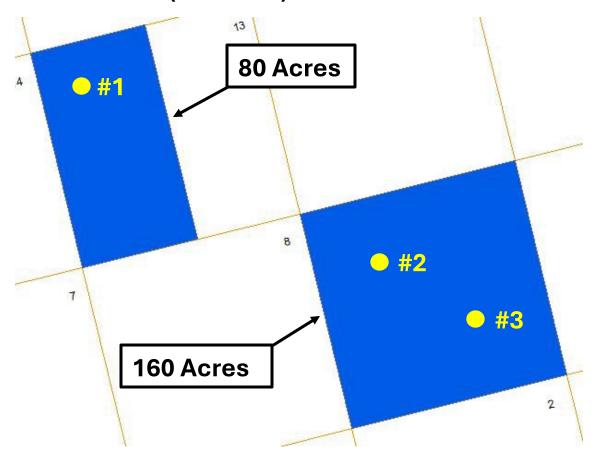
- A well that exists within a non-contiguous lease can only take acreage from the non-contiguous section of the non-contiguous lease that the well exists within.
- It is important to account for ONLY the acreage that is coming from the non-contiguous section, not the total overall lease acreage.
- Using the P-16 to break down the various non-contiguous assignments can help with a standard non-contiguous lease, and especially if multiple allocation or psa wells are using various sections of the non-contiguous lease.

The next pages show:

- 1) A quick explanation of SWR 39.
- GIS screenshot of a complicated allocation development that includes a non-contiguous lease.
- 3) A P-16 concept using Page 2 only.
- 4) A proposed non-contiguous lease acreage plat.

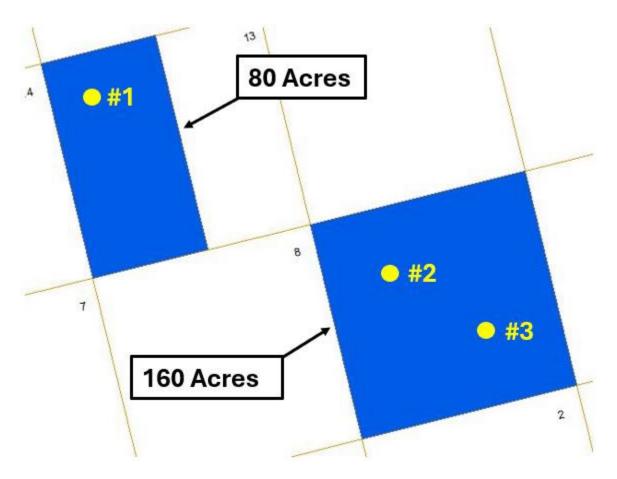
We will use all four for this part of the discussion.

A brief (and basic) overview of SWR 39



If the field rules require 80 acres per well:

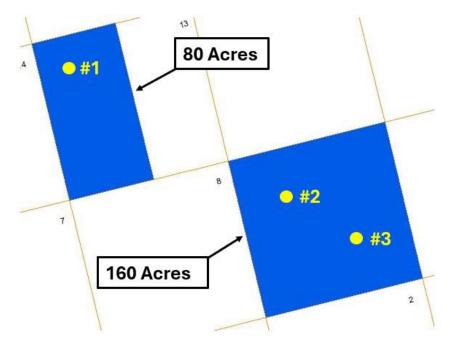
- If well #1 is permitted, and then another well is permitted in the same non-contiguous section, Rule 39 is triggered.
- If well #2 and #3 are permitted and another well is permitted in the same non-contiguous section, Rule 39 is triggered.
- If all three wells are permitted as shown in the image, a fourth well may be permitted in either of the noncontiguous sections and only Rule 38 will be triggered.



Acreage in a non-contiguous section must be used before permitting another well in a non-contiguous section that is already fully used.

- If well #3 is the only well that has been permitted, then well #2 could be permitted in either tract.
- If well #2 is permitted in the same tract as well #3, then well #1 can only be permitted in the other tract.
- Two wells in an 80-acre field will max out a 160-acre tract.
- However, there is still a tract that has not been used and a Rule 39 exception would be triggered if a third well was attempted in the 160-acre tract.

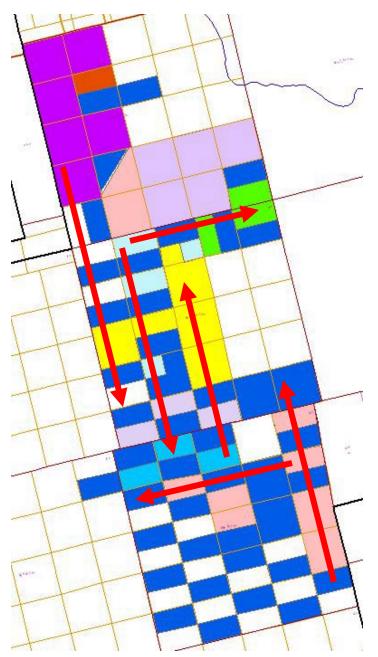
In the example that we will see on the next pages, an allocation/psa well has a potential to run through multiple non-contiguous tracts of a non-contiguous lease.



If an allocation/psa well was going through the 160-acre tract in the image above, then we know that whatever the acreage assignment is on the P-16, it came from that tract.

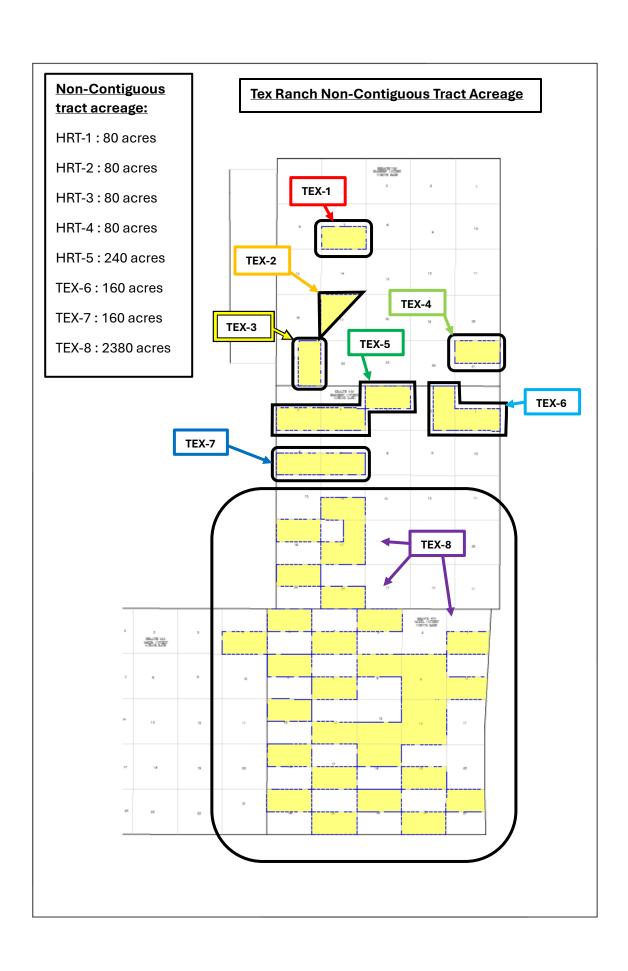
However, if an allocation/psa well is going through multiple non-contiguous tracts, then we don't know how many acres come from each tract of the non-contiguous section, we just know that the stated amount comes from the overall lease.

- This blind spot is problematic with respect to SWR 39.
- The P-16 can be used as a tool to show how many acres are being assigned from multiple non-contiguous tracts if an allocation/psa well is going through multiple ones.



There are four non-contiguous tracts in the image to the left. An allocation and/or psa well could run through more than one of the non-contiguous sections at the same time, for each.

- 1) The Dark Blue lease: There are several areas in the northern portion of this map where a North to South oriented wellbore could pass through more than one non-contiguous section.
- 2) The Neon Green lease: A West to East oriented wellbore could pass through both noncontiguous sections at the same time.
- 3) The Pale Blue lease: A North to South oriented wellbore could pass through more than one non-contiguous section.
- 4) The Salmon lease (in the south):
 Both a North to South and/or
 West to East oriented wellbore
 could pass through more than
 one non-contiguous section
 simultaneously.
- The Red arrows in the image above represent the various wellbore paths that would run through multiple non-contiguous tracts of the four non-contiguous leases that exist in this image.
- Some of the example wellbores pass through multiple non-contiguous leases, and multiple non-contiguous tracts within those leases, at the same time.
- Accounting for how many acres that are assigned to the example wells, from the multiple non-contiguous tracts, can be very difficult; yet, if used creatively, the P-16 can be a good tool to account for this information.



- The plat on the previous page is a non-contiguous lease that we are calling the "Tex Ranch" lease.
- There are eight non-contiguous sections, each with a color-coded label.
- When you have a non-contiguous lease, it is required to show the total acreage of each non-contiguous section using either a chart (as seen in the previous image), or acreage labels within the map section of the plat.

Below is an image of Page 2 of the P-16, being used creatively to show the breakdown of the acreage assignments to wells from each non-contiguous tract.

Section V and Section VI are color coded to match the tracts from the plat shown on the previous page.

	RRC ID No., ease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No (if different from filing operator)
A	TEX-1	TEX-1	80.000	1000		
В	TEX-2	TEX-2	80.000	\$	10.	
c	TEX-3	TEX-3	80.000			
D	TEX-4	TEX-4	80.000		1 18	
E	TEX-5	TEX-5	240.000	<u> </u>		
F	TEX-6	TEX-6	160.000			
G	TEX-7	TEX-7	160.000			
н	TEX-8	TEX-8	2380.000			
22	- Hills	Total Acreage	3260.000			a management of the control of the c

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

		SEC SECTION II, AN				THE REGULAT	S. M. SPERMAN			LER				
RRC ID	-2007/04/2007	Ce 1	- VA 822	727 2	SWR 38	*Total Acres	Acres From	Acre:						
No. or Lease No.	Lease Name	API No.	Well No.	Profile	Except. (Y/N)	Assigned	A	В	С	D		F	G	н
Lease No.		eg III			(1/N)	15,550	TEX-1	TEX-2	TEX-3	TEX-4	TEX-5	TEX-6	TEX-7	TEX-
12345	Allocation Well 1	123-45678	1	Alloc.	N	25.000	20.000	5.000						
23456	Allocation Well 2	123-45677	2	Alloc.	N	30.000	20.000	10.000	3 8		ĺ			
34567	Allocation Well 3	123-45679	3	Alloc.	N	55.000	20.000	5.000	30.000					
45678	Allocation Well 4	123-45674	4	Alloc.	N	60.000				20.000		40.000		
56789	Allocation Well 5	123-45675	3	Alloc.	N	70.000					20.000		10.000	40.00
67891	Allocation Well 6	123-45672	6	AllocSL	N	0.000					0.000		0.000	0.00

The six wells listed are taking acreage from more than one non-contiguous tract, within this non-contiguous lease.

le	RRC ID No., ase No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No (if different from filing operator)
A	TEX-1	TEX-1	80.000	700		*****
В	TEX-2	TEX-2	80.000			
С	TEX-3	TEX-3	80.000			
D	TEX-4	TEX-4	80.000	12		
E	TEX-5	TEX-5	240.000			
F	TEX-6	TEX-6	160.000			
G	TEX-7	TEX-7	160.000			
н	TEX-8	TEX-B	2380.000	1		
188-	- In Dr	Total Acreage =	3260.000			

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acres of that operator as shown below.

		SEC	TION VI. LIS	TING OF AL	L WELLS IN	THE REGULAT	TORY FIELD	AS LISTED	IN					
		SECTION II, AN	D ALLOCAT	ING ACREA	GE FROM A	ANY OR ALL TR	ACTS LISTE	D IN SECTION	ON V BY FIL	LER				
RRC ID		API No.			SWR 38	*Total Acres	Acres From							
No. or Lease No.	Lease Name	API No.	Well No.	Profile	(Y/N)	Assigned	A TEX-1	B TEX-2	C TEX-3	D TEX-4	E TEX-5	F TEX-6	G TEX-7	H TEX-8
12345	Allocation Well 1	123-45678	1	Alloc.	N	25.000	20.000	5.000						
23456	Allocation Well 2	123-45677	2	Alloc.	N	30.000	20.000	10.000	8		į.			
34567	Allocation Well 3	123-45679	3	Alloc.	N	55.000	20.000	5.000	30,000		e.		_	
43678	Allocation Well 4	123-45674	4	Alloc.	N	60.000				20.000		40.000		
56789	Allocation Well 5	123-45675	5	Alloc.	N	70.000	4 7				20.000		10.000	40.000
67891	Allocation Well 6	123-45672	6	AllocSL	N	0.000					0.000		0.000	0.000

If we look at Allocation Well 3 for example (third row):

- It has a 55-acre assignment from the Tex Ranch Lease.
- The 55-acre assignment comes from 3 non-contiguous sections of the Tex Ranch lease.
- However, on the actual P-16 for the well, you would only see 55 acres and would not know how much comes from each non-contiguous section.
- Using this method, we can see that 20 acres comes from TEX-1, 5 acres from TEX-2, and 30 acres from TEX-3.
- Knowing that each is 80 acres total, we know how many acres are left to assign from each.
- This can help identify if there is any danger of a Rule 39 situation arising, which would need a hearing to resolve.

Form P-16

RAILROAD COMMISSION OF TEXAS



1701 N. Congress P.O. Box 12967 Austin, Texas 78701-2967

Page 2

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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-drill site tract in the acreage assigned to the well.

	SECTI	ON V. LISTING OF ALL TRACTS CONTRIBUTING ACR LEASE, POOLED UNIT, OR GROUP OF TRACTS (
	RRC ID No., Lease No. or Tract ID	Lease Name	Beginning Lease Acres	Ownership Interval (Upper)	Ownership Interval (Lower)	Operator Name and Operator No. (if different from filing operator)
Α	TEX-1	TEX-1	80.000			
В	TEX-2	TEX-2	80.000			
С	TEX-3	TEX-3	80.000			
D	TEX-4	TEX-4	80.000			
Е	TEX-5	TEX-5	240.000			
F	TEX-6	TEX-6	160.000			
G	TEX-7	TEX-7	160.000			
Н	TEX-8	TEX-8	2380.000			
		Total Acreage =	3260.000			

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

						THE REGULAT				rn.				
RRC ID No. or Lease No.	Lease Name	API No.	Well No.	Profile	SWR 38 Except. (Y/N)	*Total Acres Assigned	Acres From A TEX-1	Acres From B TEX-2	Acres From C TEX-3	Acres From D	Acres From E TEX-5	Acres From F TEX-6	Acres From G TEX-7	Acres From H TEX-8
12345	Allocation Well 1	123-45678	1	Alloc.	N	25.000	20.000	5.000						
23456	Allocation Well 2	123-45677	2	Alloc.	N	30.000	20.000	10.000						
34567	Allocation Well 3	123-45679	3	Alloc.	N	55.000	20.000	5.000	30.000					
45678	Allocation Well 4	123-45674	4	Alloc.	N	60.000				20.000		40.000		
56789	Allocation Well 5	123-45675	5	Alloc.	N	70.000					20.000		10.000	40.000
67891	Allocation Well 6	123-45672	6	AllocSL	N	0.000					0.000		0.000	0.000
A. Total Assigned Acreage = B. Total Assigned Horiz. Acreage =							60.000	20.000	30.000 30.000	20.000	20.000	40.000 40.000	10.000 10.000	40.000 40.000

C. Total Assigned Vert./Dir. Acreage = *A revised P-16 is required if increasing the proration acreage on an existing Allocation or PSA well utilizing acreage from a regulatory lease or undeveloped tract not listed in Section V. (refer to instructions)

0.000 0.000 0.000 0.000 0.000 0.000

0.000

0.000

If you were in a situation in which you needed to utilize the P-16 in such a manner, then you would follow these points:

- Only Page 2 of the P-16 would be used.
- The file name for the attachment would be clear and obvious: "TEX Ranch Non-Contiguous Acreage P-16."
- It would be attached as a P-16 classification.
- A comment would be added on the Well P-16, directing attention to the Non-Contiguous P-16.
- A Non-Contiguous Plat would be attached showing the total acreage of the full lease, along with the individual acreage totals for each non-contiguous section.
- A comment would be added on the W-1 itself directing attention to the Non-Contiguous Plat and supplemental Non-Contiguous acreage P-16.

We hope the topics discussed in this advanced guide are helpful for your difficult permitting situations, that they have provided ideas on how to creatively use the P-16 as a tool to provide supplemental acreage information, and they have sparked ideas on how to be more efficient with your P-16s.

Please use the contact information for the Drilling Permits team to reach out for any questions.

Thank you.