

API No. <u>42-003-48666</u> Drilling Permit # <u>882701</u> SWR Exception Case/Docket No. <u>0336304</u> (R37)		<b>RAILROAD COMMISSION OF TEXAS</b> <b>OIL &amp; GAS DIVISION</b> <b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b> <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>				<b>FORM W-1</b> 07/2004 Permit Status: <b>Approved</b>	
1. RRC Operator No. <u>665748</u>		2. Operator's Name (as shown on form P-5, Organization Report) <b>PIONEER NATURAL RES. USA, INC.</b>		3. Operator Address (include street, city, state, zip): <b>AMBER MCFADDEN</b> <b>PO BOX 3178</b> <b>MIDLAND, TX 79702-0000</b>			
4. Lease Name <b>UNIVERSITY 6-48D</b>		5. Well No. <u>104H</u>					
<b>GENERAL INFORMATION</b>							
6. Purpose of filing (mark ALL appropriate boxes): <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter <input type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)							
7. Wellbore Profile (mark ALL appropriate boxes): <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack							
8. Total Depth <u>11172</u>		9. Do you have the right to develop the minerals under any right-of-way ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>							
11. RRC District No. <u>08</u>		12. County <b>ANDREWS</b>		13. Surface Location <input checked="" type="checkbox"/> Land <input type="checkbox"/> Bay/Estuary <input type="checkbox"/> Inland Waterway <input type="checkbox"/> Offshore			
14. This well is to be located <u>18</u> miles in a <u>NE</u> direction from <u>ANDREWS</u> which is the nearest town in the county of the well site.							
15. Section <u>48</u>	16. Block <u>6</u>	17. Survey <u>UL</u>		18. Abstract No. <u>A-</u>	19. Distance to nearest lease line: ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>1280</u>	
21. Lease Perpendiculars: <u>518</u> ft from the <u>SOUTH</u> line and <u>1821</u> ft from the <u>WEST</u> line.							
22. Survey Perpendiculars: <u>518</u> ft from the <u>SOUTH</u> line and <u>1821</u> ft from the <u>WEST</u> line.							
23. Is this a pooled unit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		24. Unitization Docket No:		25. Are you applying for Substandard Acreage Field? <input type="checkbox"/> Yes    (attach Form W-1A) <input checked="" type="checkbox"/> No			
<b>FIELD INFORMATION    List all fields of anticipated completion including Wildcat. List one zone per line.</b>							
26. RRC District No.	27. Field No.	28. Field Name (exactly as shown in RRC records)		29. Well Type	30. Completion Depth	31. Distance to Nearest Well in this Reservoir	
<u>08</u>	<u>85280300</u>	<u>SPRABERRY (TREND AREA)</u>		<u>Oil or Gas Well</u>	<u>11172</u>	<u>495.00</u>	
<b>BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)</b>							
<b>Remarks</b> See W1 Comments attached				<b>Certificate:</b> I certify that information stated in this application is true and complete, to the best of my knowledge. <b>LAURA WALLACE, Regulatory Specialist</b> Name of filer _____ Date submitted <u>Aug 02, 2022</u>			
				Phone <u>(972)9691742</u> E-mail Address (OPTIONAL) <u>laura.wallace@pxd.com</u>			
<b>RRC Use Only</b> Data Validation Time Stamp: <u>Aug 8, 2022 3:36 PM( Current Version )</u>							

Permit Status:	Approved
<i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i>	

**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION**

**Form W-1H** 07/2004  
**Supplemental Horizontal Well Information**

**APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER**

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A certification of the automated data is available in the RRC's Austin office.*

Permit #	882701
Approved Date:	Aug 05, 2022

1. RRC Operator No. 665748	2. Operator's Name (exactly as shown on form P-5, Organization Report) PIONEER NATURAL RES. USA, INC.	3. Lease Name UNIVERSITY 6-48D	4. Well No. 104H
<b>Lateral Drainhole Location Information</b>			
5. Field as shown on Form W-1     SPRABERRY (TREND AREA) (Field # 85280300, RRC District 08)			
6. Section 9	7. Block 7	8. Survey UL	9. Abstract
		10. County of BHL ANDREWS	
11. Terminus Lease Line Perpendiculars 100 ft. from the        SOUTH        line. and        1815 ft. from the        WEST        line			
12. Terminus Survey Line Perpendiculars 100 ft. from the        SOUTH        line. and        1815 ft. from the        WEST        line			
13. Penetration Point Lease Line Perpendiculars 100 ft. from the        NORTH        line. and        1815 ft. from the        WEST        line			

Permit Status: **Approved**

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**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION**

**APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER**

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**W-1 Comments**

Permit # **882701**

Approved Date: **Aug 05, 2022**

[ Aug 2, 2022 12:41 PM]: Commission Staff expresses no opinion as to whether a 100% ownership interest in each of the leases alone or in combination with a "production sharing agreement" confers the right to drill across lease/unit lines or whether a pooling agreement is also required. However, until that issue is directly addressed and ruled upon by a Texas court of competent jurisdiction it appears that a 100% interest in each of the leases and a production sharing agreement constitute a sufficient colorable claim to the right to drill a horizontal well as proposed to authorize the removal of the regulatory bar and the issuance of a drilling permit by the Commission, assuming the proposed well is in compliance with all other relevant Commission requirements.

Issuance of the permit is not an endorsement or approval of the applicant's stated method of allocating production proceeds among component leases or units. All production must be reported to the Commission as production from the lease or pooled unit on which the wellhead is located and reported production volume must be determined by actual measurement of hydrocarbon volumes prior to leaving that tract and may not be based on allocation or estimation. Payment of royalties is a contractual matter between the lessor and lessee. Interpreting the leases and determining whether the proposed proceeds allocation comports with the relevant leases is not a matter within Commission jurisdiction but a matter for the parties to the lease and, if necessary, a Texas court of competent jurisdiction.

The foregoing statements are not, and should not be construed as, a final opinion or decision of the Railroad Commission.

**RAILROAD COMMISSION OF TEXAS**  
**OIL & GAS DIVISION**

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER <div align="center">882701</div>	DATE PERMIT ISSUED OR AMENDED <div align="center">Aug 05, 2022</div>	DISTRICT <div align="center">* 08</div>			
API NUMBER <div align="center">42-003-48666</div>	FORM W-1 RECEIVED <div align="center">Aug 02, 2022</div>	COUNTY <div align="center">ANDREWS</div>			
TYPE OF OPERATION <div align="center">NEW DRILL</div>	WELLBORE PROFILE(S) <div align="center">Horizontal</div>	ACRES <div align="center">1280</div>			
OPERATOR <div align="center">                     PIONEER NATURAL RES. USA, INC.                       AMBER MCFADDEN                      PO BOX 3178                      MIDLAND, TX 79702-0000                 </div>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> <div align="center">(432) 684-5581</div>			
LEASE NAME <div align="center">UNIVERSITY 6-48D</div>		WELL NUMBER <div align="center">104H</div>			
LOCATION <div align="center">18 miles NE direction from ANDREWS</div>		TOTAL DEPTH <div align="center">11172</div>			
Section, Block and/or Survey SECTION ⤵ 48                      BLOCK ⤵ 6                      ABSTRACT ⤵ SURVEY ⤵ UL					
DISTANCE TO SURVEY LINES <div align="center">518 ft. SOUTH    1821 ft. WEST</div>		DISTANCE TO NEAREST LEASE LINE <div align="center">ft.</div>			
DISTANCE TO LEASE LINES <div align="center">518 ft. SOUTH    1821 ft. WEST</div>		DISTANCE TO NEAREST WELL ON LEASE <div align="center">See FIELD(s) Below</div>			
FIELD(s) and LIMITATIONS: <div align="center">                     * SEE FIELD DISTRICT FOR REPORTING PURPOSES *                      ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) **                      CASE NO. 0336304                 </div>					
FIELD NAME LEASE NAME		ACRES NEAREST LEASE	DEPTH NEAREST LEASE	WELL # NEAREST WE	DIST -----
** SPRABERRY (TREND AREA) UNIVERSITY 6-48D		1280.00	11,172	104H	08
----- WELLBORE PROFILE(s) FOR FIELD: Horizontal -----					
RESTRICTIONS:    Lateral: TH1 Penetration Point Location Lease Lines:            100.0 F NORTH L 1815.0 F WEST L Terminus Location BH County: ANDREWS Section: 9                      Block: 7                      Abstract: Survey: UL Lease Lines:            100.0 F SOUTH L 1815.0 F WEST L Survey Lines:            100.0 F SOUTH L 1815.0 F WEST L					
' ** ' PRECEDING FIELD NAME INDICATES RULE (R37)					
THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS This well shall be completed and produced in compliance with applicable special field or statewide spacing and density rules. If this well is to be used for brine mining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97.					

**RAILROAD COMMISSION OF TEXAS**  
**OIL & GAS DIVISION**

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER <div style="text-align: right;">882701</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: center;">Aug 05, 2022</div>	DISTRICT <div style="text-align: center;">* 08</div>
API NUMBER <div style="text-align: right;">42-003-48666</div>	FORM W-1 RECEIVED <div style="text-align: center;">Aug 02, 2022</div>	COUNTY <div style="text-align: center;">ANDREWS</div>
TYPE OF OPERATION <div style="text-align: center;">NEW DRILL</div>	WELLBORE PROFILE(S) <div style="text-align: center;">Horizontal</div>	ACRES <div style="text-align: center;">1280</div>
OPERATOR <div style="text-align: right;">665748</div> <div style="text-align: center;">PIONEER NATURAL RES. USA, INC.</div> <div style="text-align: center;">AMBER MCFADDEN PO BOX 3178 MIDLAND, TX 79702-0000</div>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> <div style="text-align: center;">(432) 684-5581</div>
LEASE NAME <div style="text-align: center;">UNIVERSITY 6-48D</div>		WELL NUMBER <div style="text-align: center;">104H</div>
LOCATION <div style="text-align: center;">18 miles NE direction from ANDREWS</div>		TOTAL DEPTH <div style="text-align: center;">11172</div>
Section, Block and/or Survey <div style="display: flex; justify-content: space-between;"> <div>SECTION ◀ 48</div> <div>BLOCK ◀ 6</div> <div>ABSTRACT ◀</div> </div> <div style="display: flex; justify-content: space-between;"> <div>SURVEY ◀ UL</div> <div></div> <div></div> </div>		
DISTANCE TO SURVEY LINES <div style="text-align: center;">518 ft. SOUTH    1821 ft. WEST</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">ft.</div>
DISTANCE TO LEASE LINES <div style="text-align: center;">518 ft. SOUTH    1821 ft. WEST</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: center;">See FIELD(s) Below</div>
FIELD(s) and LIMITATIONS: <div style="text-align: center;">                     * SEE FIELD DISTRICT FOR REPORTING PURPOSES *                      ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) **                      CASE NO. 0336304                 </div>		
<div style="display: flex; justify-content: space-between;"> <div>                     FIELD NAME                      LEASE NAME                 </div> <div>                     ACRES                      NEAREST LEASE                 </div> <div>                     DEPTH                      NEAREST WE                 </div> <div>                     WELL #                      NEAREST WE                 </div> <div>                     DIST                 </div> </div> <p>This well must comply to the new SWR 3.13 requirements concerning the isolation of any potential flow zones and zones with corrosive formation fluids. See approved permit for those formations that have been identified for the county in which you are drilling the well in.</p>		

**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION  
SWR #13 Formation Data**

**ANDREWS (003) County**

Formation	Remarks	Geological Order	Effective Date
YATES		1	02/09/2020
SEVEN RIVERS		2	02/09/2020
QUEEN		3	02/09/2020
GRAYBURG		4	02/09/2020
SAN ANDRES	CO2 flood, high flows, H2S, corrosive	5	02/09/2020
HOLT		6	02/09/2020
GLORIETA		7	02/09/2020
CLEARFORK		8	02/09/2020
TUBB		9	02/09/2020
PERMIAN DETRITAL		10	02/09/2020
LEON		11	02/09/2020
WICHITA ALBANY		12	02/09/2020
SPRABERRY		13	02/09/2020
DEAN		14	02/09/2020
WOLFCAMP		15	02/09/2020
CANYON		16	02/09/2020
PENNSYLVANIAN		17	02/09/2020
STRAWN		18	02/09/2020
DEVONIAN		19	02/09/2020
SILURIAN		20	02/09/2020
FUSSELMAN		21	02/09/2020
MCKEE		22	02/09/2020
ELLENBURGER		23	02/09/2020
PRECAMBRIAN (UNDIFFERENTIATED)		24	02/09/2020

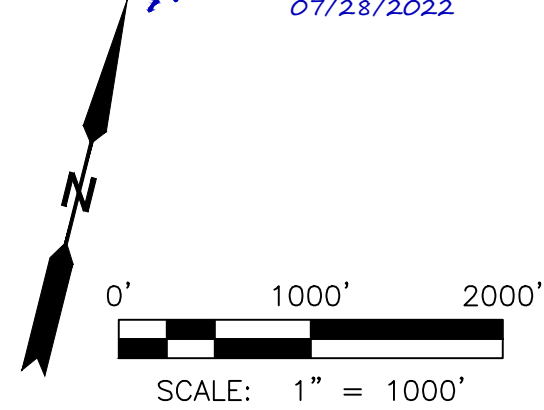
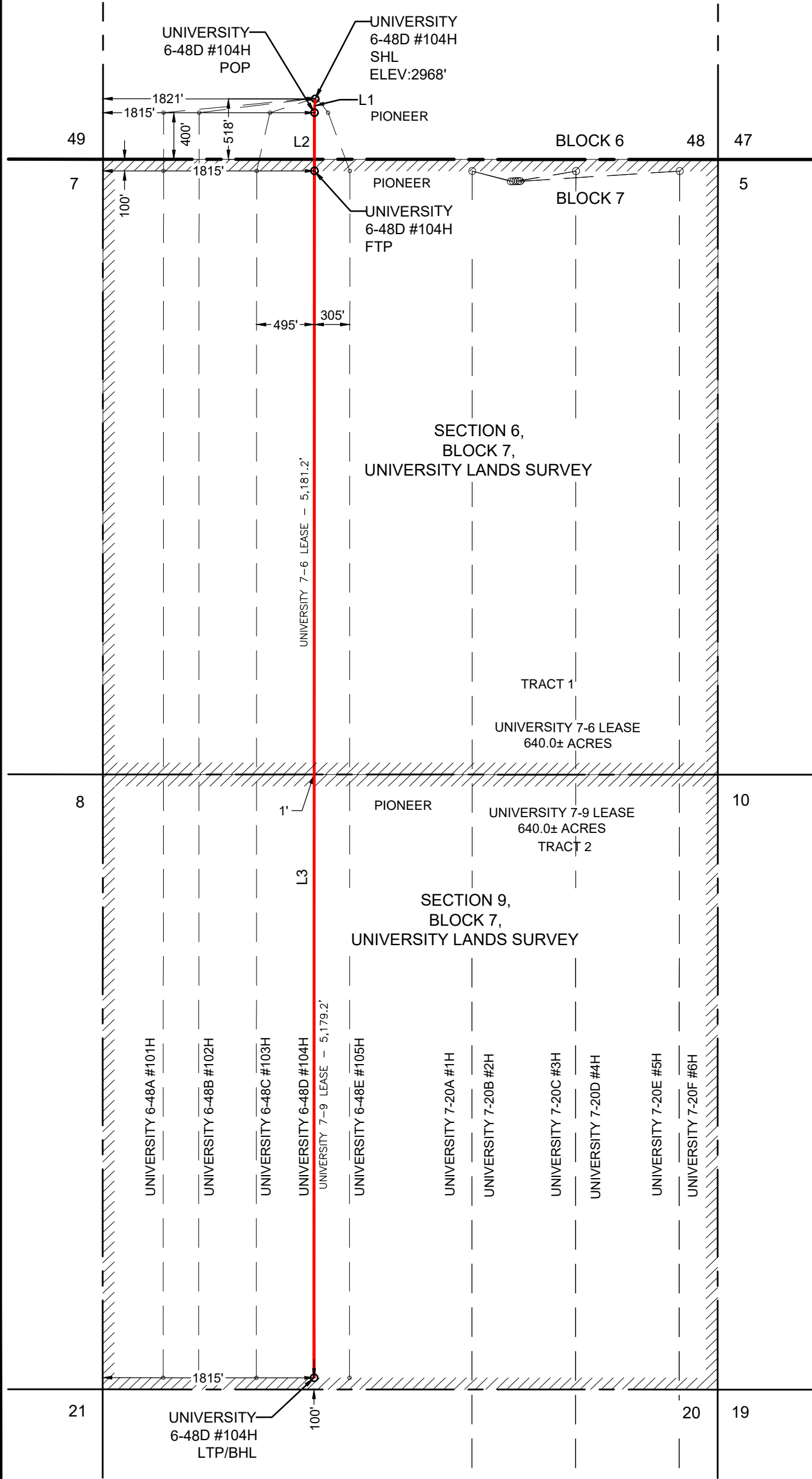
The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. The listing order of the Formation information reflects the general stratigraphic order and relative geologic age. This is a dynamic list subject to updates and revisions. It is the operator's responsibility to make sure that at the time of spudding the well the most current list is being referenced. Refer to the RRC website at the following address for the most recent information.  
<http://www.rrc.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

UNIVERSITY 6-48D #104H	EASTING (X) (NAD 27)	NORTHING (Y) (NAD 27)	LATITUDE (NAD 27)	LONGITUDE (NAD 27)	SECTION LINE		SECTION LINE		LEASE LINE		LEASE LINE		SECTION
					FOOTAGE	FNL/FSL	FOOTAGE	FEL\FWL	FOOTAGE	FNL/FSL	FOOTAGE	FEL\FWL	
SURFACE HOLE LOCATION (SHL)	1403673.5	1009251.5	32.427178	-102.265566	518'	FSL	1821'	FWL	518'	FSL	1821'	FWL	48
POINT OF PENETRATION (POP)	1403696.1	1009135.8	32.426861	-102.265486	400'	FSL	1815'	FWL	400'	FSL	1815'	FWL	48
FIRST TAKE POINT (FTP)	1403818.1	1008650.5	32.425534	-102.265063	100'	FNL	1815'	FWL	100'	FNL	1815'	FWL	6
LAST TAKE POINT/BOTTOM HOLE LOCATION (LTP/BHL)	1406343.4	998602.5	32.398045	-102.256320	100'	FSL	1815'	FWL	100'	FSL	1815'	FWL	9

LINE	BEARING	DISTANCE
L1	S 11°04'18" E	117.9'
L2	S 14°06'28" E	500.4'
L3	S 14°06'28" E	10,360.4'
	TOTAL	10,978.7'



*Hunter Wade Wills*  
07/28/2022



NOTE: WELL IS LOCATED APPROXIMATELY 18 MILES NORTHEAST OF ANDREWS, ANDREWS COUNTY, TEXAS

3300 NORTH A STREET, BUILDING 2, SUITE 120  
MIDLAND, TX 79705-5471  
TEL (432) 253-3255  
TBPELS SURVEYING FIRM #10193998

DATE: 6/30/2022  
BY: K. RIOS  
AVO: 047474.066

**LEGEND**

- SECTION LINE
- BLOCK/TOWNSHIP LINE
- LEASE LINE
- SUBJECT LATERAL
- AS-DRILLED LATERAL
- PERMITTED LATERAL
- PROPOSED LATERAL
- PROPOSED WELL
- EXISTING WELL

**NOTES:**

- THE BASIS OF BEARING OF THE SURVEY IS THE TEXAS COORDINATE SYSTEM, NORTH AMERICAN DATUM 1927 (NAD 27), CENTRAL ZONE (4203).
- ALL TEXAS STATE PLANE COORDINATES AND GEOGRAPHIC COORDINATES SHOWN HEREON ARE NAD 27 GRID COORDINATES AS COMPUTED BY CORPSCON VERSION 6.0.1. ALL GEOGRAPHIC COORDINATES SHOWN HEREON WERE CONVERTED USING CORPSCON VERSION 6.0.1. UNLESS OTHERWISE NOTED, ALL DISTANCES SHOWN HEREON ARE GRID DISTANCES AND THEY CAN BE CONVERTED TO SURFACE WHEN MULTIPLIED WITH A "SURFACE ADJUSTMENT FACTOR" OF 1.000188348, AS CALCULATED BY CORPSCON.
- ELEVATIONS SHOWN HEREON ARE NAVD88 AS DERIVED BY GPS.
- THIS EXHIBIT IS FOR TEXAS RAILROAD COMMISSION WELL PERMITTING PURPOSES ONLY. BOUNDARY LINES AND ACREAGE SHOWN HEREON REFLECT THE SURVEYORS PROFESSIONAL OPINION OF MINERAL RIGHTS AS DETERMINED FROM CLIENT-PROVIDED OIL AND GAS MINERAL LEASE DOCUMENTATION. THE INFORMATION DEPICTED HEREON SHALL NOT BE USED IN THE CONVEYANCE OF FEE TITLE TO REAL PROPERTY.
- ALL MEASUREMENTS TO LEASE, UNIT, AND SURVEY LINES ARE PERPENDICULAR TO SAID LINES.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.

**PIONEER NATURAL RESOURCES  
USA, INC.**

**PERMIT PLAT**

UNIVERSITY 6-48D #104H

UNIVERSITY 7-6 - 640.0± ACRES  
UNIVERSITY 7-9 - 640.0± ACRES  
TOTAL TRACT: 1,280.0± ACRES  
(SURFACE AREA)

LOCATED IN:  
SECTION 48, BLOCK 6,  
SECTION 6, BLOCK 7,  
SECTION 9, BLOCK 7,  
UNIVERSITY LANDS SURVEY,  
ANDREWS COUNTY, TEXAS