

API No. <u>42-003-48472</u> Drilling Permit # <u>872972</u> SWR Exception Case/Docket No. _____		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <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>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. 665748		2. Operator's Name (as shown on form P-5, Organization Report) PIONEER NATURAL RES. USA, INC.		3. Operator Address (include street, city, state, zip): AMBER MCFADDEN PO BOX 3178 MIDLAND, TX 79702-0000			
4. Lease Name UNIVERSITY 7-43		5. Well No. 7H					
GENERAL INFORMATION							
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 11095		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			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. 08		12. County ANDREWS		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>17</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 35		16. Block 7		17. Survey UL		18. Abstract No. A-U210	
				19. Distance to nearest lease line: ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 6538	
21. Lease Perpendiculars: <u>10555</u> ft from the <u>NORTH</u> line and <u>2204</u> ft from the <u>WEST</u> line. 22. Survey Perpendiculars: <u>36</u> ft from the <u>SOUTH</u> line and <u>2204</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			
FIELD INFORMATION List all fields of anticipated completion including Wildcat. List one zone per line.							
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	
08	85280300	SPRABERRY (TREND AREA)		Oil or Gas Well	11095	195.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks 				Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. LAURA WALLACE, Regulatory Supervisor Name of filer _____ Date submitted Sep 21, 2021			
				(972)9691742 laura.wallace@pxd.com Phone E-mail Address (OPTIONAL)			
RRC Use Only Data Validation Time Stamp: Sep 24, 2021 9:52 AM(Current Version)							

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

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

*This facsimile W-1 was generated electronically from data submitted to the RRC.
A certification of the automated data is available in the RRC's Austin office.*

Permit #	872972
Approved Date:	Sep 23, 2021

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 7-43	4. Well No. 7H
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 SPRABERRY (TREND AREA) (Field # 85280300, RRC District 08)			
6. Section 43	7. Block 7	8. Survey UL	9. Abstract U218
10. County of BHL ANDREWS			
11. Terminus Lease Line Perpendiculars 100 ft. from the SOUTH line. and 2830 ft. from the WEST line			
12. Terminus Survey Line Perpendiculars 100 ft. from the SOUTH line. and 2558 ft. from the EAST line			
13. Penetration Point Lease Line Perpendiculars 10531 ft. from the SOUTH line. and 2830 ft. from the WEST line			

**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 872972	DATE PERMIT ISSUED OR AMENDED Sep 23, 2021	DISTRICT * 08	
API NUMBER 42-003-48472	FORM W-1 RECEIVED Sep 21, 2021	COUNTY ANDREWS	
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 6538	
OPERATOR PIONEER NATURAL RES. USA, INC. AMBER MCFADDEN PO BOX 3178 MIDLAND, TX 79702-0000		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (432) 684-5581	
LEASE NAME UNIVERSITY 7-43		WELL NUMBER 7H	
LOCATION 17 miles NE direction from ANDREWS		TOTAL DEPTH 11095	
Section, Block and/or Survey SECTION ◀ 35 BLOCK ◀ 7 ABSTRACT ◀ U210 SURVEY ◀ UL			
DISTANCE TO SURVEY LINES 36 ft. SOUTH 2204 ft. WEST		DISTANCE TO NEAREST LEASE LINE ft.	
DISTANCE TO LEASE LINES 10555 ft. NORTH 2204 ft. WEST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below	
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>			
FIELD NAME LEASE NAME		ACRES NEAREST LEASE	DEPTH NEAREST LEASE
SPRABERRY (TREND AREA) UNIVERSITY 7-43		6538.00	11,095
WELLBORE PROFILE(s) FOR FIELD: Horizontal		7H	08
RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 10531.0 F SOUTH L 2830.0 F WEST L Terminus Location BH County: ANDREWS Section: 43 Block: 7 Abstract: U218 Survey: UL Lease Lines: 100.0 F SOUTH L 2830.0 F WEST L Survey Lines: 100.0 F SOUTH L 2558.0 F EAST L			
<p align="center">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</p> <p>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.</p>			

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 872972	DATE PERMIT ISSUED OR AMENDED Sep 23, 2021	DISTRICT * 08										
API NUMBER 42-003-48472	FORM W-1 RECEIVED Sep 21, 2021	COUNTY ANDREWS										
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 6538										
OPERATOR PIONEER NATURAL RES. USA, INC. AMBER MCFADDEN PO BOX 3178 MIDLAND, TX 79702-0000		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (432) 684-5581										
LEASE NAME UNIVERSITY 7-43		WELL NUMBER 7H										
LOCATION 17 miles NE direction from ANDREWS		TOTAL DEPTH 11095										
Section, Block and/or Survey SECTION ◀ 35 BLOCK ◀ 7 ABSTRACT ◀ U210 SURVEY ◀ UL												
DISTANCE TO SURVEY LINES 36 ft. SOUTH 2204 ft. WEST		DISTANCE TO NEAREST LEASE LINE ft.										
DISTANCE TO LEASE LINES 10555 ft. NORTH 2204 ft. WEST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below										
FIELD(s) and LIMITATIONS: <p style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>												
<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">FIELD NAME</td> <td style="width: 15%;">ACRES</td> <td style="width: 15%;">DEPTH</td> <td style="width: 10%;">WELL #</td> <td style="width: 10%;">DIST</td> </tr> <tr> <td>LEASE NAME</td> <td>NEAREST LEASE</td> <td></td> <td>NEAREST WE</td> <td></td> </tr> </table> <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>			FIELD NAME	ACRES	DEPTH	WELL #	DIST	LEASE NAME	NEAREST LEASE		NEAREST WE	
FIELD NAME	ACRES	DEPTH	WELL #	DIST								
LEASE NAME	NEAREST LEASE		NEAREST WE									

**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>

**GROUNDWATER PROTECTION DETERMINATION**

Form GW-2

Groundwater Advisory Unit

Date Issued:	04 December 2019	GAU Number:	266145
---------------------	------------------	--------------------	--------

Attention:	PIONEER NATURAL RES. USA, ATTN WELDON PIERSON IRVING, TX 75039	API Number:	00341996
Operator No.:	665748	County:	ANDREWS
		Lease Name:	University 7-43
		Lease Number:	40532
		Well Number:	8
		Total Vertical Depth:	11492
		Latitude:	32.364224
		Longitude:	-102.262403
		Datum:	NAD27

Purpose:	Plug and Abandon (P&A)
Location:	Survey-UL; Abstract-U210; Block-7; Section-35

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Railroad Commission of Texas recommends:

Water-bearing strata from the land surface to a depth of 300 feet and the zone, which is estimated to occur from 1350 to 1750 feet must be protected.

This recommendation is applicable for all wells drilled in this Survey-UL; Block-7; Section-35.

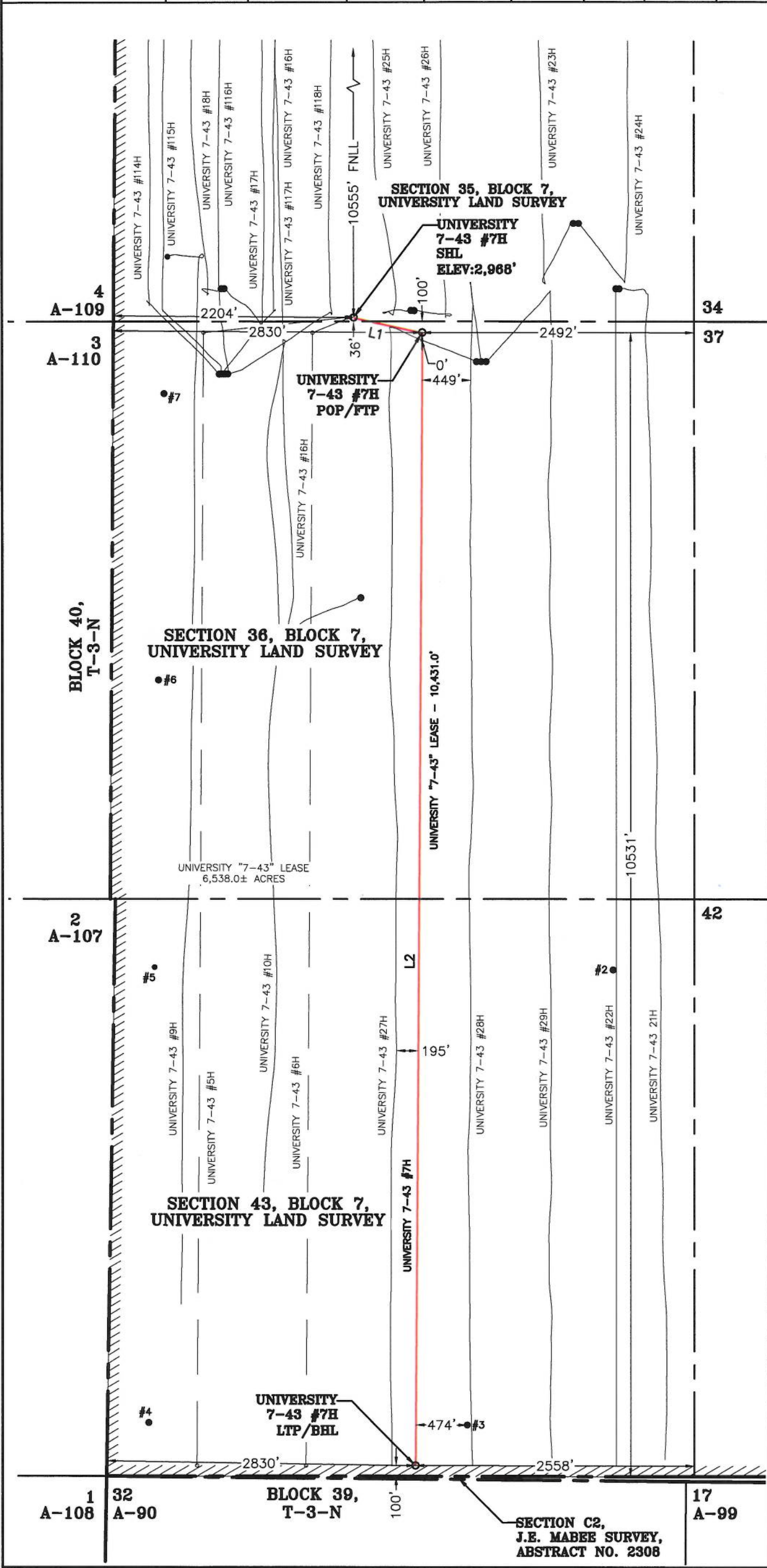
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.

This determination is based on information provided when the application was submitted on 11/27/2019. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

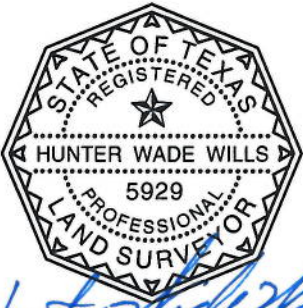
Groundwater Advisory Unit, Oil and Gas Division

Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov
Rev. 02/2014

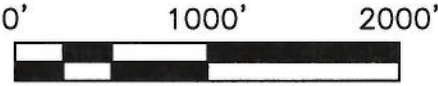
UNIVERSITY 7-43 #7H	EASTING (X) (NAD 27)	NORTHING (Y) (NAD 27)	LATITUDE (NAD 27)	LONGITUDE (NAD 27)	SECTION LINE		SECTION LINE		LEASE LINE		LEASE LINE		SECTION
					FOOTAGE	FNL/FSL	FOOTAGE	FEL\FWL	FOOTAGE	FNL/FSL	FOOTAGE	FEL\FWL	
SURFACE HOLE LOCATION (SHL)	1405443.6	981946.7	32.352235	-102.258300	36'	FSL	2204'	FWL	10555'	FNL	2204'	FWL	35
POINT OF PENETRATION/FIRST TAKE POINT (POP/FTP)	1406082.8	981967.1	32.352322	-102.256232	100'	FNL	2492'	FEL	10531'	FSL	2830'	FWL	36
LAST TAKE POINT/BOTTOM HOLE LOCATION (LTP/BHL)	1408562.0	971835.1	32.324598	-102.247643	100'	FSL	2558'	FEL	100'	FSL	2830'	FWL	43



LINE	BEARING	DISTANCE
L1	N 88°10'09" E	639.51'
L2	S 13°44'59" E	10430.96'
TOTAL		11070.47'



Hunter Wade Wills
DA-20-2021



SCALE: 1" = 1000'

NOTE: WELL IS LOCATED APPROXIMATELY 17 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: 9/9/2021
BY: K. NYRKKANEN
AVO: 39678.739

LEGEND

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

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 7-43 #7H

UNIVERSITY "7-43" LEASE - 6,538.0± ACRES
TOTAL TRACT: 6,538.0± ACRES
(SURFACE AREA)

LOCATED IN:
SECTION 35, SECTION 36 & SECTION 43,
BLOCK 7, UNIVERSITY LAND SURVEY,
ANDREWS COUNTY, TEXAS