

API No. 42-003-48491		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. A certification of the automated data is available in the RRC's Austin office.</i>				FORM W-1 07/2004			
Drilling Permit # 875278 SWR Exception Case/Docket No. 0332743 (R37)						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 7-20D		5. Well No. 4H							
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 11174		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 18.4 miles in a NE direction from ANDREWS which is the nearest town in the county of the well site.									
15. Section 6		16. Block 7	17. Survey UL		18. Abstract No. A-	19. Distance to nearest lease line: ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 1599.9	
21. Lease Perpendiculars: 188 ft from the NORTH line and 1719 ft from the EAST line.									
22. Survey Perpendiculars: 188 ft from the NORTH line and 1719 ft from the EAST 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	32. Number of Wells on this lease in this Reservoir	
08	85280300	SPRABERRY (TREND AREA)			Oil or Gas Well	11174	1.00	4	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)									
Remarks See W1 Comments attached					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 Dec 13, 2021				
					E-mail Address (OPTIONAL) laura.wallace@pxd.com				
RRC Use Only Data Validation Time Stamp: Jan 12, 2022 9:00 AM(Current Version)					(972)9691742 Phone				

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 #	875278
Approved Date:	Jan 11, 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 7-20D	4. Well No. 4H
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 SPRABERRY (TREND AREA) (Field # 85280300, RRC District 08)			
6. Section 20	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 1220 ft. from the EAST line			
12. Terminus Survey Line Perpendiculars 100 ft. from the SOUTH line. and 1220 ft. from the EAST line			
13. Penetration Point Lease Line Perpendiculars 100 ft. from the NORTH line. and 1220 ft. from the EAST line			

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.*

W-1 Comments

Permit #	875278
Approved Date:	Jan 11, 2022

[Dec 13, 2021 1:18 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.; [RRC STAFF Dec 20, 2021 10:11 AM]: B

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 875278	DATE PERMIT ISSUED OR AMENDED Jan 11, 2022	DISTRICT * 08	
API NUMBER 42-003-48491	FORM W-1 RECEIVED Dec 13, 2021	COUNTY ANDREWS	
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 1599.9	
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 7-20D		WELL NUMBER 4H	
LOCATION 18.4 miles NE direction from ANDREWS		TOTAL DEPTH 11174	
Section, Block and/or Survey SECTION 6 BLOCK 7 ABSTRACT SURVEY UL			
DISTANCE TO SURVEY LINES 188 ft. NORTH 1719 ft. EAST		DISTANCE TO NEAREST LEASE LINE ft.	
DISTANCE TO LEASE LINES 188 ft. NORTH 1719 ft. EAST		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> <p style="text-align: center;">** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(A) **</p> <p style="text-align: center;">CASE NO. 0332743</p>			
FIELD NAME LEASE NAME -----		ACRES NEAREST LEASE -----	DEPTH NEAREST LEASE -----
** SPRABERRY (TREND AREA) UNIVERSITY 7-20D -----		1599.90	11,174
			4H 1
----- WELLBORE PROFILE(s) FOR FIELD: Horizontal -----			
RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 100.0 F NORTH L 1220.0 F EAST L Terminus Location BH County: ANDREWS Section: 20 Block: 7 Abstract: Survey: UL Lease Lines: 100.0 F SOUTH L 1220.0 F EAST L Survey Lines: 100.0 F SOUTH L 1220.0 F EAST 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;">875278</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: center;">Jan 11, 2022</div>	DISTRICT <div style="text-align: center;">* 08</div>										
API NUMBER <div style="text-align: right;">42-003-48491</div>	FORM W-1 RECEIVED <div style="text-align: center;">Dec 13, 2021</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;">1599.9</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. District Office Telephone No: <div style="text-align: center;">(432) 684-5581</div>										
LEASE NAME <div style="text-align: center;">UNIVERSITY 7-20D</div>		WELL NUMBER <div style="text-align: center;">4H</div>										
LOCATION <div style="text-align: center;">18.4 miles NE direction from ANDREWS</div>		TOTAL DEPTH <div style="text-align: center;">11174</div>										
Section, Block and/or Survey SECTION 6 BLOCK 7 ABSTRACT SURVEY UL												
DISTANCE TO SURVEY LINES <div style="text-align: center;">188 ft. NORTH 1719 ft. EAST</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">ft.</div>										
DISTANCE TO LEASE LINES <div style="text-align: center;">188 ft. NORTH 1719 ft. EAST</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)(A) ** CASE NO. 0332743 </div>												
<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">FIELD NAME</td> <td style="width: 10%;">ACRES</td> <td style="width: 10%;">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**

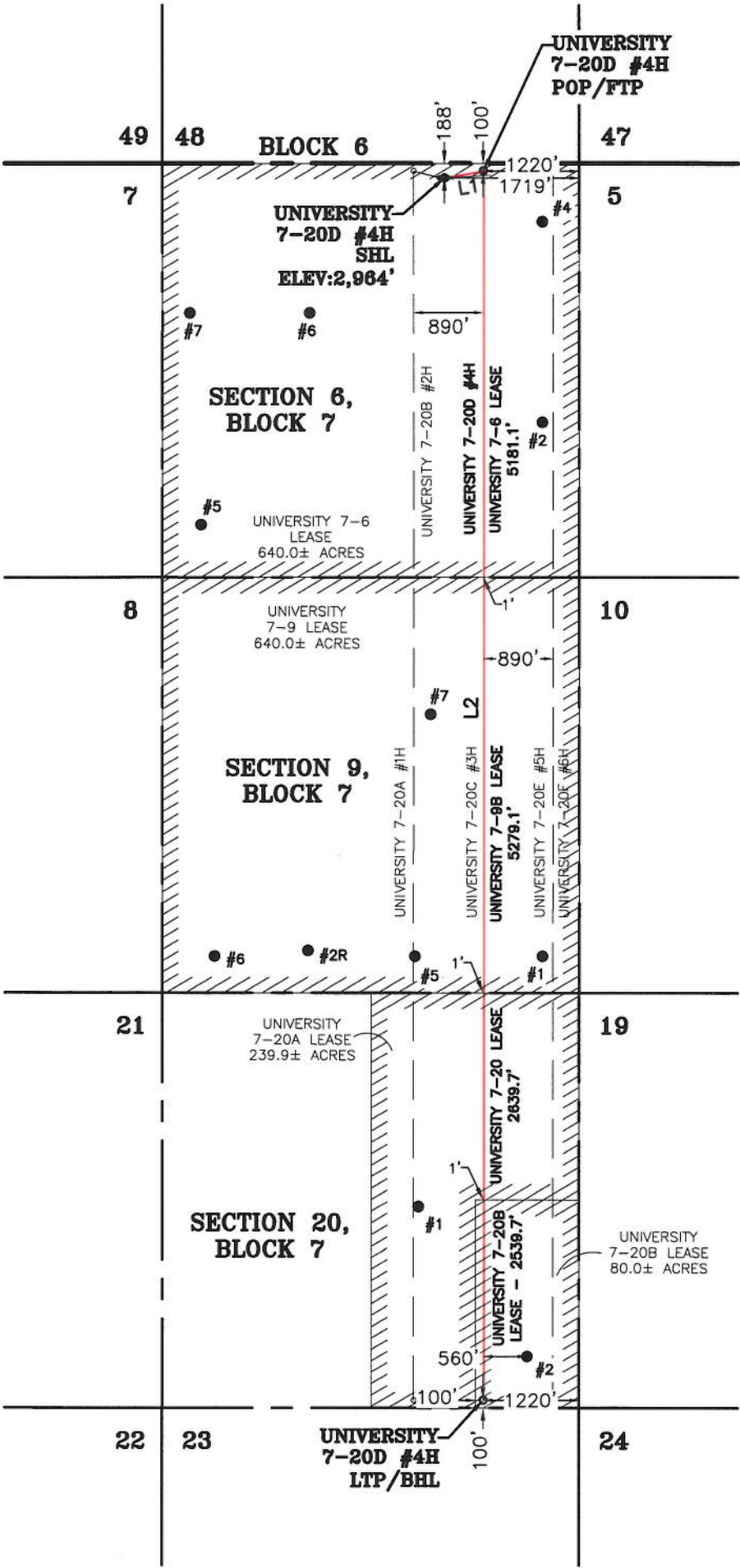
ANDREWS (003) County

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

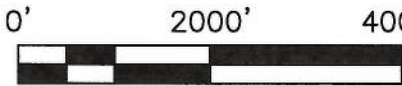
The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. The listing order of the Formation information reflects the general stratigraphic order and relative geologic age. This is a dynamic list subject to updates and revisions. It is the operator's 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>

UNIVERSITY 7-20D #4H	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)	1405533.8	1008990.8	32.426551	-102.259525	188'	FNL	1719'	FEL	188'	FNL	1719'	FEL	6
POINT OF PENETRATION/FIRST TAKE POINT (POP/FTP)	1405996.7	1009197.5	32.427141	-102.258036	100'	FNL	1220'	FEL	100'	FNL	1220'	FEL	6
LAST TAKE POINT/BOTTOM HOLE LOCATION (LTP/BHL)	1409809.0	994029.6	32.385644	-102.244842	100'	FSL	1220'	FEL	100'	FSL	1220'	FEL	20

LINE	BEARING	DISTANCE
L1	N 65°56'48" E	506.96'
L2	S 14°06'31" E	15639.63'
TOTAL		16146.59'



Hunter Wade Wills
11-10-2021



SCALE: 1" = 2000'

NOTE: WELL IS LOCATED APPROXIMATELY 18.4 MILES NORTHEAST OF ANDREWS, ANDREWS COUNTY, TEXAS



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

DATE: 11/10/2021
BY: K. NYRKKANEN
AVO: 39678.793

- 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 7-20D #4H

UNIVERSITY 7-6 - 640.0± ACRES
UNIVERSITY 7-9 - 640.0± ACRES
UNIVERSITY 7-20A - 239.9± ACRES
UNIVERSITY 7-20B - 80.0± ACRES
TOTAL TRACT: 1,599.9± ACRES
(SURFACE AREA)

LOCATED IN:
SECTION 6, BLOCK 7,
SECTION 9, BLOCK 7,
SECTION 20, BLOCK 7,
UNIVERSITY LAND SURVEY,
ANDREWS COUNTY, TEXAS