



**RAILROAD COMMISSION OF TEXAS**

**Form W-2**

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

Status: Approved  
Date: 02/11/2022  
Tracking No.: 261899

**OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,**

**OPERATOR INFORMATION**

<b>Operator</b>	PIONEER NATURAL RES. USA, INC.	<b>Operator</b>	665748
<b>Operator</b>	AMBER MCFADDEN PO BOX 3178 MIDLAND, TX 79702-0000		

**WELL INFORMATION**

<b>API</b>	42-383-41034	<b>County:</b>	REAGAN
<b>Well No.:</b>	24H	<b>RRC District</b>	7C
<b>Lease</b>	UNIVERSITY "1-32"	<b>Field</b>	SPRABERRY (TREND AREA)
<b>RRC Lease</b>	16296	<b>Field No.:</b>	85279200
<b>Location</b>	Section: 32, Block: 1, Survey: UL, Abstract: U32		
<b>Latitude</b>	31.215159	<b>Longitud</b>	-101.747276
<b>This well is</b>	17.1	<b>miles in a</b>	W
<b>direction from</b>	BIG LAKE,		
<b>which is the nearest town in the</b>			

**FILING INFORMATION**

<b>Purpose of</b>	Initial Potential		
<b>Type of</b>	New Well		
<b>Well Type:</b>	Producing	<b>Completion or Recompletion</b>	12/09/2021
<b>Type of Permit</b>		<b>Date</b>	<b>Permit No.</b>
<b>Permit to Drill, Plug Back, or</b>		08/03/2021	871656
<b>Rule 37 Exception</b>			
<b>Fluid Injection</b>			
<b>O&amp;G Waste Disposal</b>			
<b>Other:</b>			

**COMPLETION INFORMATION**

<b>Spud</b>	08/22/2021	<b>Date of first production after rig</b>	12/09/2021
<b>Date plug back, deepening, drilling operation</b>	08/22/2021	<b>Date plug back, deepening, recompletion, drilling operation</b>	11/20/2021
<b>Number of producing wells on this lease this field (reservoir) including this</b>	17	<b>Distance to nearest well in lease &amp; reservoir</b>	692.0
<b>Total number of acres in</b>	5741.80	<b>Elevation</b>	2791 RKB
<b>Total depth TVD</b>	8427	<b>Total depth MD</b>	18641
<b>Plug back depth TVD</b>		<b>Plug back depth MD</b>	
<b>Was directional survey made other inclination (Form W-</b>	Yes	<b>Rotation time within surface casing Is Cementing Affidavit (Form W-15)</b>	31.2 Yes
<b>Recompletion or</b>	No	<b>Multiple</b>	No
<b>Type(s) of electric or other log(s)</b>	Acceptable cased hole logs		
<b>Electric Log Other Description:</b>			
<b>Location of well, relative to nearest lease of lease on which this well is</b>	298.0 Feet from the	<b>Off Lease :</b>	No
	2687.0 Feet from the	<b>North Line and East Line of the</b>	
		<b>UNIVERSITY 1-32 Lease.</b>	

**FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.**

<b>Field &amp; Reservoir</b>	<b>Gas ID or Oil Lease</b>	<b>Well No.</b>	<b>Prior Service Type</b>
PACKET:	N/A		

W2: N/A

**FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:**

<b>GAU Groundwater Protection Determination</b>	<b>Depth</b>	720.0	<b>Date</b>	08/06/2021
<b>SWR 13 Exception</b>	<b>Depth</b>	2050.0		

**INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION**

<b>Date of</b>	12/16/2021	<b>Production</b>	Gas Lift
<b>Number of hours</b>	24	<b>Choke</b>	
<b>Was swab used during this</b>	No	<b>Oil produced prior to</b>	2750.00
<b>PRODUCTION DURING TEST PERIOD:</b>			
<b>Oil</b>	555.00	<b>Gas</b>	297
<b>Gas - Oil</b>	535	<b>Flowing Tubing</b>	
<b>Water</b>	2373		
<b>CALCULATED 24-HOUR RATE</b>			
<b>Oil</b>	555.0	<b>Gas</b>	297
<b>Oil Gravity - API - 60.:</b>	40.8	<b>Casing</b>	
<b>Water</b>	2373		

**CASING RECORD**

<u>Ro</u>	<u>Type of Casing</u>	<u>Casing Size (in.)</u>	<u>Hole Size</u>	<u>Setting Depth</u>	<u>Multi - Stage</u>	<u>Multi - Tool Stage</u>	<u>Multi - Shoe</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined By</u>
1	Surface	13 3/8	17 1/2	1291				C	1325	2290.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	7804				TXI & C	1814	4631.0	0	Circulated to Surface
3	Conventional Production	5 1/2	8 1/2	18629				TXI	3127	4190.2	7350	Cement Evaluation Log

**LINER RECORD**

<u>Ro</u>	<u>Liner Size</u>	<u>Hole Size</u>	<u>Liner Top</u>	<u>Liner Bottom</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined</u>
N/A									

**TUBING RECORD**

<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8	7848		/

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L1 8429	18610.0

**ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.**

<b>Was hydraulic fracturing treatment</b>	Yes		
<b>Is well equipped with a downhole sleeve?</b>	No		
<b>Production casing test pressure (PSIG) during hydraulic fracturing</b>	9500		
<b>Actual maximum pressure (PSIG) during fracturin</b>	9071		
<b>Has the hydraulic fracturing fluid disclosure been</b>	Yes		
<b>Ro</b>	<b>Type of Operation</b>	<b>Amount and Kind of Material Used</b>	<b>Depth Interval (ft.)</b>

**FORMATION RECORD**

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
GRAYBURG	Yes	3303.0	3332.0	Yes	
QUEEN	Yes	2808.0	2826.0	Yes	
SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY	Yes	3494.0	3527.0	Yes	
CLEARFORK	Yes	5417.0	5491.0	Yes	
SPRABERRY	Yes	6125.0	6205.0	Yes	
STRAWN	No			No	DID NOT ENCOUNTER, WELL IS NOT DEEP ENOUGH
FUSSELMAN	No			No	DID NOT ENCOUNTER, WELL IS NOT DEEP ENOUGH
ELLENBURGER	No			No	DID NOT ENCOUNTER, WELL IS NOT DEEP ENOUGH

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm No

Is the completion being downhole commingled No

**REMARKS**

KOP 7883'

**RRC REMARKS****PUBLIC COMMENTS:**

[RRC Staff 2022-02-10 15:39:09.096] EDL=10150 feet, max acres=680, SPRABERRY (TREND AREA) oil well;  
take points: 8429-18610 feet

**CASING RECORD :****TUBING RECORD:****PRODUCING/INJECTION/DISPOSAL INTERVAL :****ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :****POTENTIAL TEST DATA:****OPERATOR'S CERTIFICATION**

<b>Printed</b>	April Maxey	<b>Title:</b>	Regulatory Specialist II
<b>Telephone</b>	(972) 969-1741	<b>Date</b>	01/25/2022



**RAILROAD COMMISSION OF TEXAS**

Form W-

1701 N. Congress

P.O. Box 12967

Austin, Texas 78701-2967

**CEMENTING REPORT**

**Operator Information**

Operator Name: PIONEER NATURAL RES. USA, INC.      Cementer Name: PERMIAN 5 ENERGY SERVICES,L.L.C.

Operator P-5 No: 665748

Cementer P-5 No: 855743

Address: ATTN WELDON PIERSON 777 HIDDEN RIDGE

Address: PO BOX 52672 MIDLAND TX 79710

IRVING TX 75038

Date: 08/24/2021

Date: 01/21/2022

**Well Information**

District No: 7C

County: REAGAN

Well No: 24H

API No: 38341034

Drilling Permit No: 871656

Lease Name: UNIVERSITY 1-32

Field Name: SPRABERRY (TREND AREA)

Lease No: N/A

Field No: 85279200

**Casing Cementing Data**

Type of casing: Surface

Cementing Date : 08/23/2021

Drilled hole size (in.): 17 1/2

Size of casing in O.D.(in): 13 3/8

Depth of drilled hole (ft.): 1311

Hrs. waiting on cement before drill-out: 12

No. of centralizers used : 10

Est. % wash-out or hole enlargement: 20

Top of liner (ft.): N/A

Calculated top of cement (ft.): 0

Setting depth liner (ft.) : N/A

Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]

Setting depth shoe (ft): 1291

Casing weight (lbs/ft) and grade: 54.5 J55

Multiple parallel strings: No

DV tool not opened: No

**Slurry**

Slurry # 1 \* No. of Sacks: 925 \* Class: C \* Additives: 4% GEL \* Volume (cu. ft.) 1758 \* Height (ft.) 2530

Slurry # 2 \* No. of Sacks: 400 \* Class: C \* Additives: NEAT \* Volume (cu. ft.) 532 \* Height (ft.) 766

**Cementing to Squeeze, Plug Back or Plug and Abandon**

**Remarks**

Cementer Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision and that the cementing data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers cementing data only.

Company Representative: MARCO FLORES

Representative's Title: OPERATIONS

Phone Number: (432) 664-9221

Operator Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report and that data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers all well data.

Operator Representative: April Maxey

Representative's Title: Regulatory Specialist II

Phone Number: (972) 969-1741



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Austin, Texas 78701-2967

**CEMENTING REPORT**

**Operator Information**

Operator Name: PIONEER NATURAL RES. USA, INC.      Cementer Name: SCHLUMBERGER TECHNOLOGY CORP.

Operator P-5 No: 665748      Cementer P-5 No: 754900  
Address: ATTN WELDON PIERSON 777 HIDDEN RIDGE      Address: 300 SCHLUMBERGER DR MD 23 SUGAR LAND TX  
IRVING TX 75038      77478  
Date: 01/21/2022      Date: 01/21/2022

**Well Information**

District No: 7C      County: REAGAN  
Well No: 24H      API No: 38341034      Drilling Permit No: 871656  
Lease Name: UNIVERSITY 1-32      Field Name: SPRABERRY (TREND AREA)

Lease No: N/A      Field No: 85279200

**Casing Cementing Data**

Type of casing: Intermediate      Cementing Date : 09/17/2021  
Drilled hole size (in.): 12 1/4  
Size of casing in O.D.(in): 9 5/8      Depth of drilled hole (ft.): 7820  
Hrs. waiting on cement before drill-out: 12      No. of centralizers used : 53  
Est. % wash-out or hole enlargement: 20      Top of liner (ft.): N/A  
Calculated top of cement (ft.): 0      Setting depth liner (ft.) : N/A  
Was cement circulated to ground surface (or bottom of cellar)      Setting depth shoe (ft): 7804  
outside casing? [Yes]      Casing weight (lbs/ft) and grade: 40 L80-  
IC  
Multiple parallel strings: No      DV tool not opened: No

**Slurry**

Slurry # 1 \* No. of Sacks: 1552 \* Class: TXI \* Additives: Remarks \* Volume (cu. ft.) 4283 \* Height (ft.) 7359  
Slurry # 2 \* No. of Sacks: 262 \* Class: C \* Additives: N/A \* Volume (cu. ft.) 348 \* Height (ft.) 580

**Cementing to Squeeze, Plug Back or Plug and Abandon**

**Remarks**

Cementer Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision and that the cementing data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers cementing data only.

Company Representative: Frank Cervantes  
Phone Number: (432) 242-1888

Representative's Title: FS

Operator Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report and that data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers all well data.

Operator Representative: April Maxey  
Phone Number: (972) 969-1741

Representative's Title: Regulatory Specialist II



**RAILROAD COMMISSION OF TEXAS**

Form W-

1701 N. Congress

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Austin, Texas 78701-2967

**CEMENTING REPORT**

**Operator Information**

Operator Name: PIONEER NATURAL RES. USA, INC.      Cementer Name: SCHLUMBERGER TECHNOLOGY CORP.

Operator P-5 No: 665748      Cementer P-5 No: 754900  
Address: ATTN WELDON PIERSON 777 HIDDEN RIDGE      Address: 300 SCHLUMBERGER DR MD 23 SUGAR LAND TX  
IRVING TX 75038      77478  
Date: 01/21/2022      Date: 09/25/2021

**Well Information**

District No: 7C      County: REAGAN  
Well No: 24H      API No: 38341034      Drilling Permit No: 871656  
Lease Name: UNIVERSITY 1-32      Field Name: SPRABERRY (TREND AREA)

Lease No: N/A      Field No: 85279200

**Casing Cementing Data**

Type of casing: Production      Cementing Date : 09/25/2021  
Drilled hole size (in.): 8 1/2  
Size of casing in O.D.(in): 5 1/2      Depth of drilled hole (ft.): 18641  
Hrs. waiting on cement before drill-out: 12      No. of centralizers used : 81  
Est. % wash-out or hole enlargement: 20      Top of liner (ft.): N/A  
Calculated top of cement (ft.): 7350      Setting depth liner (ft.) : N/A  
Was cement circulated to ground surface (or bottom of cellar)      Setting depth shoe (ft): 18629  
outside casing? [No]      Casing weight (lbs/ft) and grade: 20 P110  
Multiple parallel strings: No      DV tool not opened: Yes

**Slurry**

Slurry # 1 \* No. of Sacks: 3127 \* Class: TXI \* Additives: D065D255D800D049 \* Volume (cu. ft.) 4190.18 \* Height (ft.) 15389.3

**Cementing to Squeeze, Plug Back or Plug and Abandon**

**Remarks**

Cementer Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision and that the cementing data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers cementing data only.

Company Representative: VICTOR CONTRERAS      Representative's Title: FS  
Phone Number: (915) 449-8389

Operator Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report and that data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers all well data.

Operator Representative: April Maxey      Representative's Title: Regulatory Specialist II  
Phone Number: (972) 969-1741

CHRISTI CRADDICK, CHAIRMAN  
WAYNE CHRISTIAN, COMMISSIONER  
JIM WRIGHT, COMMISSIONER



DANNY SORRELLS  
DIRECTOR, OIL AND GAS DIVISION

BILL SPRAGGINS  
DISTRICT DIRECTOR

**RAILROAD COMMISSION OF TEXAS**

**OIL AND GAS DIVISION**

**OPERATOR Name:** PIONEER NATURAL RES. USA, INC.      **RE: Lease:** UNIVERSITY 1-32  
**Address1:** ATTN WELDON PIERSON  
**Address2:** 777 HIDDEN RIDGE      **Well No:** 24H  
**City:** IRVING      **Sec:** 32      **Block:** 1  
**State:** TX      **County:** REAGAN  
**Survey Name:** UL

**SWR13EX Application Number:** 99302      **Drilling Permit No:** 871656

**SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST APPROVED**

The Proposed Casing and Cementing Program submitted for **LEASE** UNIVERSITY 1-32 ;  
**WELL** 24H has been approved by the Railroad Commission of Texas District Office.

- a. A copy of this approved letter must be kept on location during all phases of drilling and/or plugging operations. Once approved, changes CANNOT be made to the Proposed Casing Program on the original application without additional approval from the Railroad Commission of Texas District Office.
- b. Any substantive modifications to the cement program require prior approval from the Railroad Commission of Texas District Office, and may require re-submission of the SWR 13 (Statewide Rule 13) Alternate Surface Casing Application. Contact the Railroad Commission of Texas District Office for more information.
- c. The tail slurry must be sufficient to fill the Zone of Critical Cement as described in Statewide Rule 13(b)(1)(H)(i). In addition, all cement slurries must be mixed on location as described in Application for Alternate Surface Casing Program.
- d. The casing and cement program shall adhere to the following specifications:  
Set 2050 feet of surface casing and circulate cement from the shoe to the ground surface.

IF CEMENT IS NOT CIRCULATED TO THE GROUND SURFACE AS REQUIRED BY THIS EXCEPTION, YOU MUST CONTACT THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE IMMEDIATELY AND FOLLOW THE PROCEDURES SET OUT IN RULE 13(b)(1)(H)(iii) OR AS REQUIRED BY THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE.

You must comply with all other provisions of SWR 13 (Statewide Rule 13) and a representative of the cementing company who performs the cementing job for the protection of usable quality water strata must sign the Form W-15 attesting to the information regarding cementing operations performed; including circulation of cement. (Note: If surface casing is set below the approved depth, this can result in denial of future Statewide Rule 13(b)(1)(H)(i) requests.) A condition of the approved drilling permit requires notification to the Railroad Commission of Texas District Office eight (8) hours prior to the time casing is to be set/cemented in the well. If your exception request was submitted after the subject well has been drilled and completed, the operator may be referred for enforcement action.

This authorization shall expire within five (5) years from the date the Groundwater Protection Determination was issued, or at the expiration of the drilling permit (if the well is not spudded prior to expiration) for the referenced well, whichever occurs first. Furthermore, this authorization supersedes any prior authorizations issued for the referenced well.

This exception is based on information provided when the application was submitted 08/09/2021 .  
If any information has changed, you must contact the appropriate Railroad Commission of Texas District Office, and submit a new application if applicable. If you have questions, please contact the appropriate Oil and Gas District office.

RRC APPROVAL BY: Crystal Denson

DATE: 08/09/2021

BILL SPRAGGINS

DISTRICT DIRECTOR

Tracking No.: 261899

## Instructions

**When to File Form L-1:**

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

**When is Form L-1 NOT required:**

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

**Where to File Form L-1:**

- with the appropriate Commission district office

**Filling out Form L-1:**

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

**Type of log required:**

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

## SECTION I. IDENTIFICATION

Operator Name: PIONEER NATURAL RES. USA, INC.	District No. 7C	Completion Date: 12/09/2021
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 871656	
Lease Name UNIVERSITY "1-32"	Lease/ID No. 16296	Well No. 24H
County REAGAN	API No. 42- 383-41034	

## SECTION II. LOG STATUS (Complete either A or B)

 A. BASIC ELECTRIC LOG NOT RUN

 B. BASIC ELECTRIC LOG RUN. (Select one)

1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).

 4. Log attached to (select one):

 (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: \_\_\_\_\_

 Check here if attached log is being submitted after being held confidential. 
 (b) Form P-7, Application for Discovery Allowable and New Field Designation.

 (c) Form W-4, Application for Multiple Completion:

Lease or ID No(s). \_\_\_\_\_

Well No(s). \_\_\_\_\_

April Maxey

Signature

PIONEER NATURAL RES. USA, INC.

Name (print)

Regulatory Specialist II

Title

(972) 969-1741

Phone

01/24/2022

Date

-FOR RAILROAD COMMISSION USE ONLY-



# RAILROAD COMMISSION OF TEXAS

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

## Acreage Designation

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.

SECTION I. OPERATOR INFORMATION			
Operator Name:	Pioneer Natural Res. USA, Inc.	Operator P-5 No.:	665748
Operator Address:	777 Hidden Ridge, Irving, Texas 75038		

SECTION II. WELL INFORMATION			
District No.:	7C	API No.:	383-41034
Well No.:	24H	Drilling Permit No.:	871656
Lease Name:	University 1-32	RRC ID or Lease No.:	16296
Total Lease Acres:	5741.800	Field Name:	Spraberry (Trend Area)
Proration Acres:	287.090	Field No.:	85279200
Wellbore Profile	Horizontal Well	Is this a UFT field?	Yes
SL Record (Parent) Well Drilling Permit No.:		County:	Reagan

Purpose of Filing:

Drilling Permit Application (Form W-1)

Completion Report (Form G-1/W-2)

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

RRC ID No. or Lease No.	Well No.	Profile	Lease Name	API No.	Acres Assigned	SWR 38 Exempt. (Y/N)	Operator Name and Operator No. (if different from filing operator)
16296	1H	Horiz.	University 1-32	383-38336	287.090	N	
16296	2H	Horiz.	University 1-32	383-38334	287.090	N	
16296	3H	Horiz.	University 1-32	383-38337	287.090	N	
16296	4H	Horiz.	University 1-32	383-37808	287.090	N	
16296	5H	Horiz.	University 1-32	383-37694	287.090	N	
16296	16H	Horiz.	University 1-32	383-37689	287.090	N	
16296	17H	Horiz.	University 1-32	383-38245	287.090	N	
16296	19H	Horiz.	University 1-32	383-37874	287.090	N	
16296	20H	Horiz.	University 1-32	383-37807	287.090	N	
16296	21H	Horiz.	University 1-32	383-38029	287.090	N	
16296	22H	Horiz.	University 1-32	383-37555	287.090	N	
16296	106H	Horiz.	University 1-32	383-40918	287.090	N	
16296	107H	Horiz.	University 1-32	383-40922	287.090	N	
16296	108H	Horiz.	University 1-32	383-40918	287.090	N	
16296	23H	Horiz.	University 1-32	383-41033	287.090	N	

A. Total Assigned Horiz. Acreage = 4306.350 Total Remaining Horiz. Acreage = 1435.450 B. Total Assigned Vert./Dir. Acreage = 0.000 Total Remaining Vert./Dir. Acreage = 5741.800	C. Total Assigned Acreage = <span style="border: 1px solid black; display: inline-block; width: 50px; height: 15px;"></span> Total Remaining Acreage = <span style="border: 1px solid black; display: inline-block; width: 50px; height: 15px;"></span>
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**SECTION IV. REMARKS - REQUIRED FOR PSA AND CO-DEVELOPMENT (refer to instructions)**

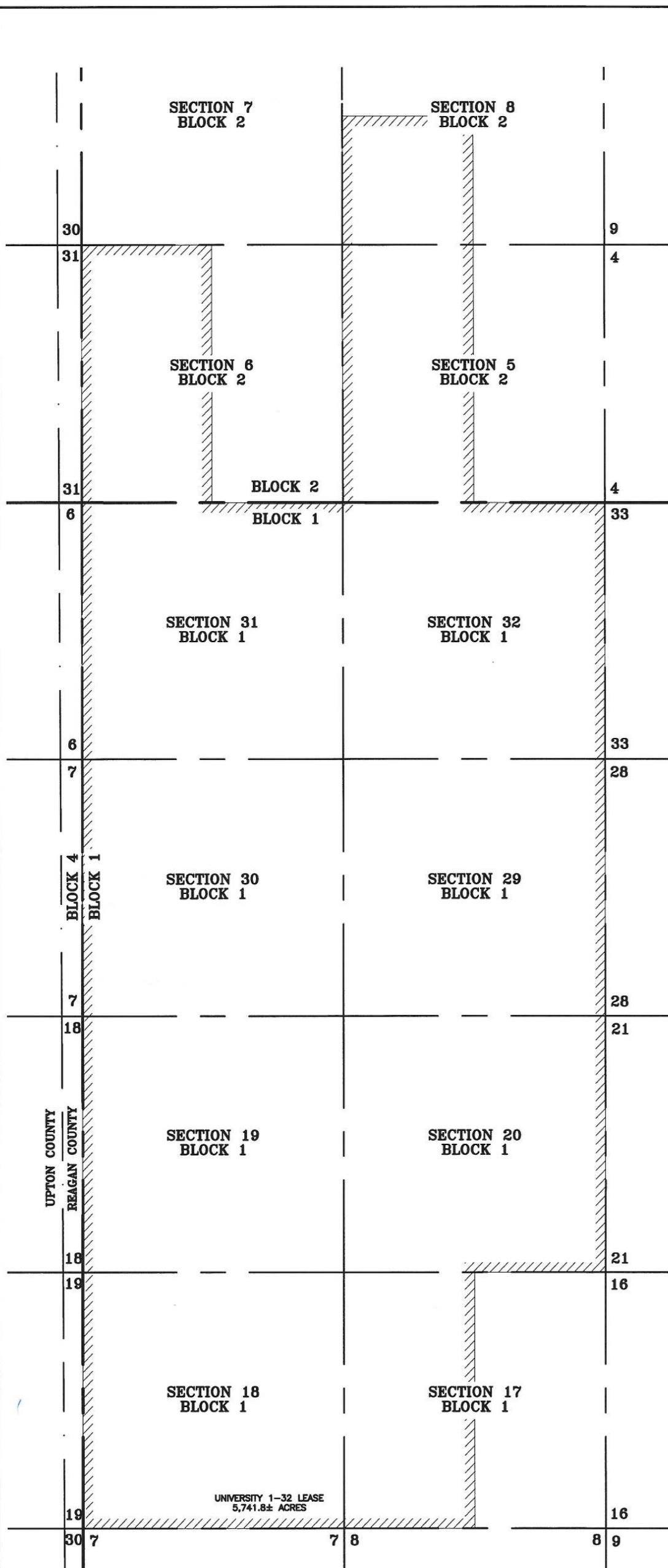
Attach Additional Pages As Needed.  No additional pages  Additional Pages: 1 (No. of additional pages)

**CERTIFICATION:** I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

<u>April Maxey</u> Signature	<u>April Maxey</u> Name and title (type or print)	<u>april.maxey@pxd.com</u> Email <small>(include email address only if you affirmatively consent to its public release)</small>
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777 Hidden Ridge Address	Irving City,	Texas State,	75038 Zip Code	972.969.1741 Tel:	Area Code	Number	7.13.21 Date:	mo. day yr.
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*Hunter Wade Wills*  
10/12/2020



SCALE: 1" = 2000'

NOTE: LEASE IS LOCATED APPROXIMATELY 18 MILES WEST OF BIG LAKE, REAGAN COUNTY, TEXAS



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

DATE: 10/9/2020  
BY: J. GONZALEZ  
AVO: 39678.360

**LEGEND**

- SECTION LINE
- BLOCK/TOWNSHIP/SURVEY 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 1.000021800, 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.**

**LEASE PLAT**

UNIVERSITY 1-32 LEASE  
TOTAL: 5,741.8± ACRES (SURFACE AREA)

LOCATED IN:  
SECTIONS 5, 6 & 8,  
BLOCK 2,  
&  
SECTIONS 17, 18, 19, 20,  
29, 30, 31 & 32,  
BLOCK 1,  
UNIVERSITY LAND SURVEY,  
REAGAN COUNTY, TEXAS

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

<b>Date Issued:</b>	06 August 2021	<b>GAU Number:</b>	312007
<b>Attention:</b>	PIONEER NATURAL RES. USA, ATTN WELDON PIERSON IRVING, TX 75038	<b>API Number:</b>	
<b>Operator No.:</b>	665748	<b>County:</b>	REAGAN
		<b>Lease Name:</b>	University 1-32
		<b>Lease Number:</b>	
		<b>Well Number:</b>	23H
		<b>Total Vertical:</b>	9466
		<b>Latitude:</b>	31.215228
		<b>Longitude:</b>	-101.747225
		<b>Datum:</b>	NAD27

**Purpose:** New Production Well  
**Location:** Survey-UL; Abstract-U32; Block-1; Section-32

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

The interval from the land surface to 20 feet below the base of the Cretaceous-age beds must be protected. The base of the Cretaceous is estimated to occur at a depth of 700 feet.

This recommendation is applicable for all wells drilled in Section 32 of Block 1 in Abstract U32 of Reagan County.

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 08/02/2021. 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

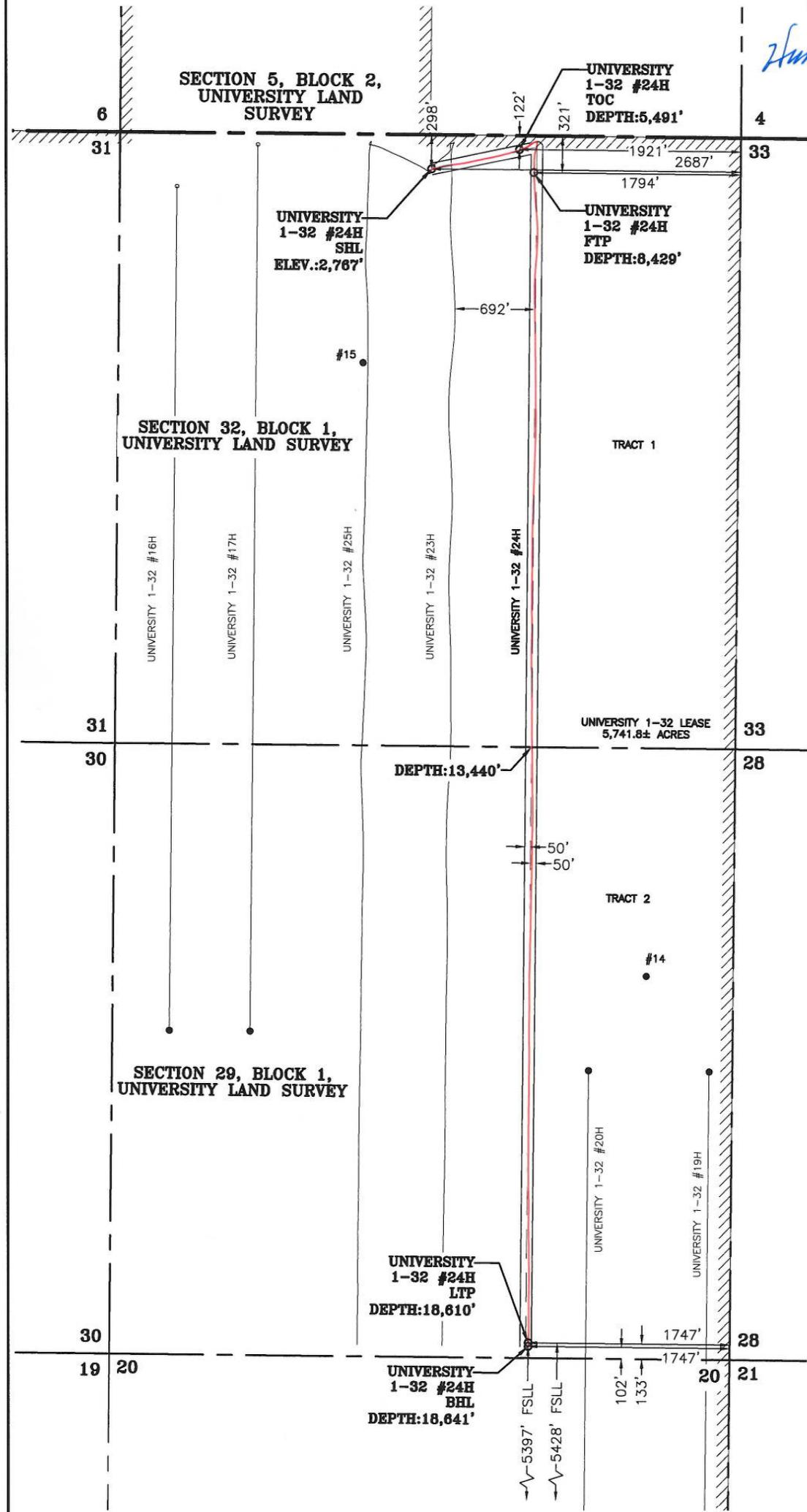
Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.  
 Rev. 02/2014

UNIVERSITY 1-32 #24H	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)	1558013.8	565973.1	31.215159	-101.747277	298'	FNL	2687'	FEL	298'	FNL	2687'	FEL	32
TOP OF CLEARFORK (TOC)	1558783.1	566132.6	31.215625	-101.744822	122'	FNL	1921'	FEL	122'	FNL	1921'	FEL	32
FIRST TAKE POINT (FTP)	1558905.5	565930.8	31.215074	-101.744423	321'	FNL	1794'	FEL	321'	FNL	1794'	FEL	32
LAST TAKE POINT (LTP)	1558745.4	555783.1	31.187170	-101.744523	133'	FSL	1747'	FEL	5428'	FSL	1747'	FEL	29
BOTTOM HOLE LOCATION (BHL)	1558745.0	555752.1	31.187084	-101.744523	102'	FSL	1747'	FEL	5397'	FSL	1747'	FEL	29

UNIVERSITY 1-32 #24H	LENGTH
Tract 1	5011'
Tract 2	5170'
<b>TOTAL PRODUCTIVE LATERAL LENGTH</b>	<b>10181'</b>



*Hunter Wade Wills*  
12-14-2021



NOTE: WELL IS LOCATED APPROXIMATELY 17.1 MILES WEST OF BIG LAKE, REAGAN COUNTY, TEXAS

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

DATE: 12/7/2021  
 BY: K. RIOS  
 AVO: 39678.752

**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).
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- ALL MEASUREMENTS TO LEASE, UNIT, AND SURVEY LINES ARE PERPENDICULAR TO SAID LINES.
- THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT.
- THE AS-DRILLED DATA USED TO DEPICT THE WELL BORE PATH WAS PROVIDED BY OTHERS. NO WARRANTY IS EITHER EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE INFORMATION HEREIN.

**PIONEER NATURAL RESOURCES USA, INC.**

**FINAL AS-DRILLED PLAT**

UNIVERSITY 1-32 #24H

UNIVERSITY 1-32 LEASE-5,741.8± ACRES  
 TOTAL TRACT: 5,741.8± ACRES  
 (SURFACE AREA)

**LOCATED IN:**

SECTIONS 29 & 32, BLOCK 1,  
 UNIVERSITY LAND SURVEY,  
 REAGAN COUNTY, TEXAS