



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 05/20/2022
Tracking No.: 267412

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Operator PIONEER NATURAL RES. USA, INC. **Operator** 665748
Operator AMBER MCFADDEN PO BOX 3178 MIDLAND, TX 79702-0000

WELL INFORMATION

API 42-383-41037 **County:** REAGAN
Well No.: 5H **RRC District** 7C
Lease UNIVERSITY 10-17E **Field** SPRABERRY (TREND AREA)
RRC Lease 21597 **Field No.:** 85279200
Location Section: 17, Block: 10, Survey: UL, Abstract: U223
Latitude 31.267029 **Longitud** -101.489032
This well is 5.5 **miles in a** NW **direction from** BIG LAKE,
which is the nearest town in the

FILING INFORMATION

Purpose of Initial Potential
Type of New Well
Well Type: Producing **Completion or Recompletion** 01/17/2022
Type of Permit **Date** **Permit No.**
Permit to Drill, Plug Back, or 08/06/2021 871755
Rule 37 Exception
Fluid Injection
O&G Waste Disposal
Other:

COMPLETION INFORMATION

Spud 09/18/2021 **Date of first production after rig** 01/17/2022
Date plug back, deepening, drilling operation 09/18/2021 **Date plug back, deepening, recompletion, drilling operation** 01/03/2022
Number of producing wells on this lease this field (reservoir) including this 6 **Distance to nearest well in lease & reservoir** 867.0
Total number of acres in 1289.00 **Elevation** 2597 RKB
Total depth TVD 7371 **Total depth MD** 17185
Plug back depth TVD **Plug back depth MD**
Was directional survey made other inclination (Form W- Yes **Rotation time within surface casing Is Cementing Affidavit (Form W-15)** 28.0 Yes
Recompletion or No **Multiple** No
Type(s) of electric or other log(s) Acceptable cased hole logs
Electric Log Other Description:
Location of well, relative to nearest lease of lease on which this well is 488.0 **Feet from the** South **Off Lease :** No
1811.0 **Feet from the** East **Line and**
UNIVERSITY 10-17E **Lease.** **Line of the**

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

Field & Reservoir **Gas ID or Oil Lease** **Well No.** **Prior Service Type**
PACKET: N/A

W2: N/A

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

GAU Groundwater Protection Determination	Depth	650.0	Date	08/09/2021
SWR 13 Exception	Depth	2050.0		

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of	02/13/2022	Production	Gas Lift
Number of hours	24	Choke	
Was swab used during this	No	Oil produced prior to	2660.00
PRODUCTION DURING TEST PERIOD:			
Oil	386.00	Gas	611
Gas - Oil	1582	Flowing Tubing	
Water	2370		
CALCULATED 24-HOUR RATE			
Oil	386.0	Gas	611
Oil Gravity - API - 60.:	40.0	Casing	
Water	2370		

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 - Stage 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	903			C	950	1634.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	6737			TXI & C	1591	4017.9	2982	Calculation
3	Intermediate	9 5/8	12 1/4	6737	2982		TXI & C	715	1646.4	0	Calculation
4	Conventional Production	5 1/2	8 1/2	17169			TXI	2389	4036.0	5210	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		7257	/

PRODUCING/INJECTION/DISPOSAL INTERVAL

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L1 7569	17150.0

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

Was hydraulic fracturing treatment Yes

Is well equipped with a downhole sleeve? No If yes, actuation pressure

Production casing test pressure (PSIG) Actual maximum pressure (PSIG) during hydraulic fracturing 9500 fracturin 9164

Has the hydraulic fracturing fluid disclosure been Yes

<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>	
1	Fracture	SEE FRAC FOCUS	7569	17150

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	2674.0	2704.0	Yes	
QUEEN	Yes	2319.0	2341.0	Yes	
SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY CLEARFORK	Yes	2841.0	2874.0	Yes	
SPRABERRY	Yes	4595.0	4648.0	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, DOES NOT EXIST IN THIS AREA

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 6829'

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2022-05-02 17:52:23.337] EDL=9550 feet, max acres=640, SPRABERRY (TREND AREA) oil well;

take points: 7569-17150 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

Printed	April Maxey	Title:	Regulatory Specialist III
Telephone	(972) 969-1741	Date	05/04/2022



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: 09/24/2021

Date: 04/04/2022

Well Information

District No: 7C

County: REAGAN

Well No: 5H

API No: 38341037

Drilling Permit No: 871755

Lease Name: UNIVERSITY 10-17E

Field Name: SPRABERRY (TREND AREA)

Lease No: N/A

Field No: 85279200

Casing Cementing Data

Type of casing: Surface

Cementing Date : 09/19/2021

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

Depth of drilled hole (ft.): 923

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

No. of centralizers used : 8

Hrs. waiting on cement before drill-out: 12

Top of liner (ft.): N/A

Est. % wash-out or hole enlargement: 20

Setting depth liner (ft.) : N/A

Calculated top of cement (ft.): 0

Setting depth shoe (ft): 903

Was cement circulated to ground surface (or bottom of cellar)

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

outside casing? [Yes]

Multiple parallel strings: No

DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 650 * Class: C * Additives: 4% GEL * Volume (cu. ft.) 1235 * Height (ft.) 3479

Slurry # 2 * No. of Sacks: 300 * Class: C * Additives: NEAT * Volume (cu. ft.) 399 * Height (ft.) 991

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: GEORGE HUIZAR

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 III

Phone Number: (972) 969-1741



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Form W-

1701 N. Congress

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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: 04/05/2022 Date: 10/23/2021

Well Information

District No: 7C County: REAGAN
Well No: 5H API No: 38341037 Drilling Permit No: 871755
Lease Name: UNIVERSITY 10-17E Field Name: SPRABERRY (TREND AREA)
Lease No: N/A Field No: 85279200

Casing Cementing Data

Type of casing: Intermediate Cementing Date : 10/22/2021
Drilled hole size (in.): 12 1/4 Depth of drilled hole (ft.): 6743
Size of casing in O.D.(in): 9 5/8 No. of centralizers used : 45
Hrs. waiting on cement before drill-out: 12 Top of liner (ft.): N/A
Setting depth liner (ft.) : N/A
Est. % wash-out or hole enlargement: 20 Setting depth shoe (ft): 6737
Casing weight (lbs/ft) and grade: 40 L-80
Calculated top of cement (ft.): 2982 HC
Was cement circulated to ground surface (or bottom of cellar) Multiple parallel strings: No DV tool not opened: No
outside casing? [Yes]

Slurry

Slurry # 1 * No. of Sacks: 1330 * Class: TXI * Additives: D013D020D042D130D154D208D049 * Volume (cu. ft.) 3670.8 * Height (ft.) 6216
Slurry # 2 * No. of Sacks: 261 * Class: C * Additives: D903 * Volume (cu. ft.) 347.13 * Height (ft.) 500

Casing Cementing Data - Multi-stage

Drilled hole size (in.): 12 1/4 Depth of drilled hole (ft.): 6743
Size of casing in O.D.(in): 9 5/8 No. of centralizers used : 45
Hrs. waiting on cement before drill-out: 12 Setting depth tool (ft): 2982
Casing weight (lbs/ft) and grade: 40 L-80
Est. % wash-out or hole enlargement: 20 HC
Calculated top of cement (ft.): 0
Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]

Slurry - Multi-stage

Slurry # 1 * No. of Sacks: 480 * Class: TXI * Additives: S013D020D042D130D154D208D049 * Volume (cu. ft.) 1324.8 * Height (ft.) 2472
Slurry # 2 * No. of Sacks: 235 * Class: C * Additives: D903 * Volume (cu. ft.) 321.55 * Height (ft.) 500

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 III
Phone Number: (972) 969-1741



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Form W-

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P.O. Box 12967

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: 04/04/2022 Date: 11/12/2021

Well Information

District No: 7C County: REAGAN
Well No: 5H API No: 38341037 Drilling Permit No: 871755
Lease Name: UNIVERSITY 10-17E Field Name: SPRABERRY (TREND AREA)

Lease No: N/A Field No: 85279200

Casing Cementing Data

Type of casing: Production Cementing Date : 10/27/2021
Drilled hole size (in.): 8 1/2
Size of casing in O.D.(in): 5 1/2 Depth of drilled hole (ft.): 17185
Hrs. waiting on cement before drill-out: 12 No. of centralizers used : 76
Est. % wash-out or hole enlargement: 20 Top of liner (ft.): N/A
Calculated top of cement (ft.): 5210 Setting depth liner (ft.) : N/A
Was cement circulated to ground surface (or bottom of cellar) Setting depth shoe (ft): 17169
outside casing? [Yes] Casing weight (lbs/ft) and grade: 20 P110-
IC
Multiple parallel strings: No DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 533 * Class: TXI * Additives: D154 5% + D208 0.15% + D255 0.8% + D800 0.8% + D049 75 WT/SK *
Volume (cu. ft.) 1141 * Height (ft.) 4915
Slurry # 2 * No. of Sacks: 1856 * Class: TXI * Additives: D065 0.1% + D208 0.08% + D255 0.7% + D800 0.45% + D049 75
WT/SK * Volume (cu. ft.) 2895 * Height (ft.) 10429.4

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- Production

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: Amir Ghwel
Phone Number: (281) 779-9839

Representative's Title: Field Specialist

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 III

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 10-17E
Address1: ATTN WELDON PIERSON
Address2: 777 HIDDEN RIDGE **Well No:** 5H
City: IRVING **Sec:** 17 **Block:** 10
State: TX **County:** REAGAN
Survey Name: UL

SWR13EX Application Number: 99344 **Drilling Permit No:** 871755

SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST APPROVED

The Proposed Casing and Cementing Program submitted for **LEASE** UNIVERSITY 10-17E ;
WELL 5H 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 08/10/2021 .
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: 08/10/2021

BILL SPRAGGINS

DISTRICT DIRECTOR

Tracking No.: 267412

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: 01/17/2022
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 871755	
Lease Name UNIVERSITY 10-17E	Lease/ID No. 21597	Well No. 5H
County REAGAN	API No. 42- 383-41037	

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). _____

Signature
PIONEER NATURAL RES. USA, INC.
Name (print)

Regulatory Specialist III
Title
(972) 969-1741
Phone
04/05/2022
Date

-FOR RAILROAD COMMISSION USE ONLY-

**CERTIFICATE OF COMPLIANCE
 AND TRANSPORTATION AUTHORITY**

This facsimile P-4 was generated electronically from data submitted to the RRC.
 A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 267412

1. Field name exactly as shown on proration schedule SPRABERRY (TREND AREA)		2. Lease name as shown on proration schedule UNIVERSITY 10-17E					
3. Current operator name exactly as shown on P-5 Organization Report PIONEER NATURAL RES. USA, INC.		4. Operator P-5 no. 665748	5. Oil Lse/Gas ID no. 21597	6. County REAGAN	7. RRC district 7C		
8. Operator address including city, state, and zip code AMBER MCFADDEN PO BOX 3178 MIDLAND, TX 79702		9. Well no(s) (see instruction E) 5H			11. Effective Date 01/17/2022		
		10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)					
12. Purpose of Filing. (Complete section a or b below.) (See instructions B and G)							
a. Change of: <input type="checkbox"/> operator <input type="checkbox"/> oil or condensate gatherer <input type="checkbox"/> gas gatherer <input type="checkbox"/> gas purchaser <input type="checkbox"/> gas purchaser system code <input type="checkbox"/> field name from: _____ Docket #: _____ <input type="checkbox"/> lease name from: _____							
b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well <input type="checkbox"/> other well (specify) _____ Due to: <input checked="" type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> consolidation <input type="checkbox"/> unitization <input type="checkbox"/> field transfer <input type="checkbox"/> subdivision (oil lease only)							
13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).							
Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left <i>(Attach an additional sheet in same format if more space is needed)</i>			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
X	X	TARGA PL MID-CONT WESTTEX LLC(836041)			0001	100.0	
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First <i>(Attach an additional sheet in same format if more space is needed)</i>						Percent of Take	
PLAINS MARKETING, L.P.(667883)						50.0	
PLAINS PIPELINE L.P.(667884)						50.0	
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>05/20/2022</u>							
15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.							
Name of Previous Operator				Signature			
Name (print)				<input type="checkbox"/> Authorized Employee of previous operator		<input type="checkbox"/> Authorized agent of previous operator (see instruction G)	
Title				Date		Phone with area code	
16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.							
PIONEER NATURAL RES. USA, INC.				April Maxey			
Name (print) Regulatory Specialist III				<input checked="" type="checkbox"/> Authorized Employee of current operator		<input type="checkbox"/> Authorized agent of current operator (see instruction G)	
Title April.maxey@pxd.com				Date 04/05/2022		Phone with area code (972) 969-1741	
E-mail Address (optional)				Date		Phone with area code	

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 09 August 2021**GAU Number:** 312246

Attention: PIONEER NATURAL RES. USA,
ATTN WELDON PIERSON
IRVING, TX 75038

API Number:
County: REAGAN
Lease Name: UNIVERSITY 10-17

Operator No.: 665748

Lease Number:
Well Number: 4H
Total Vertical: 9272
Latitude: 31.267028
Longitude: -101.489128
Datum: NAD27

Purpose: New Production Well**Location:** Survey-UL; Abstract-U223; Block-10; Section-17

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

The base of usable-quality water-bearing strata is estimated to occur at a depth of 650 feet at the site of the referenced well.

This recommendation is applicable for all wells drilled in this section 17.

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.

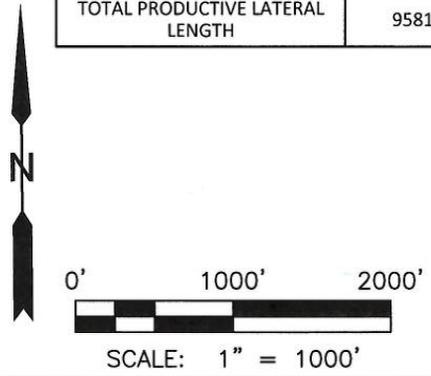
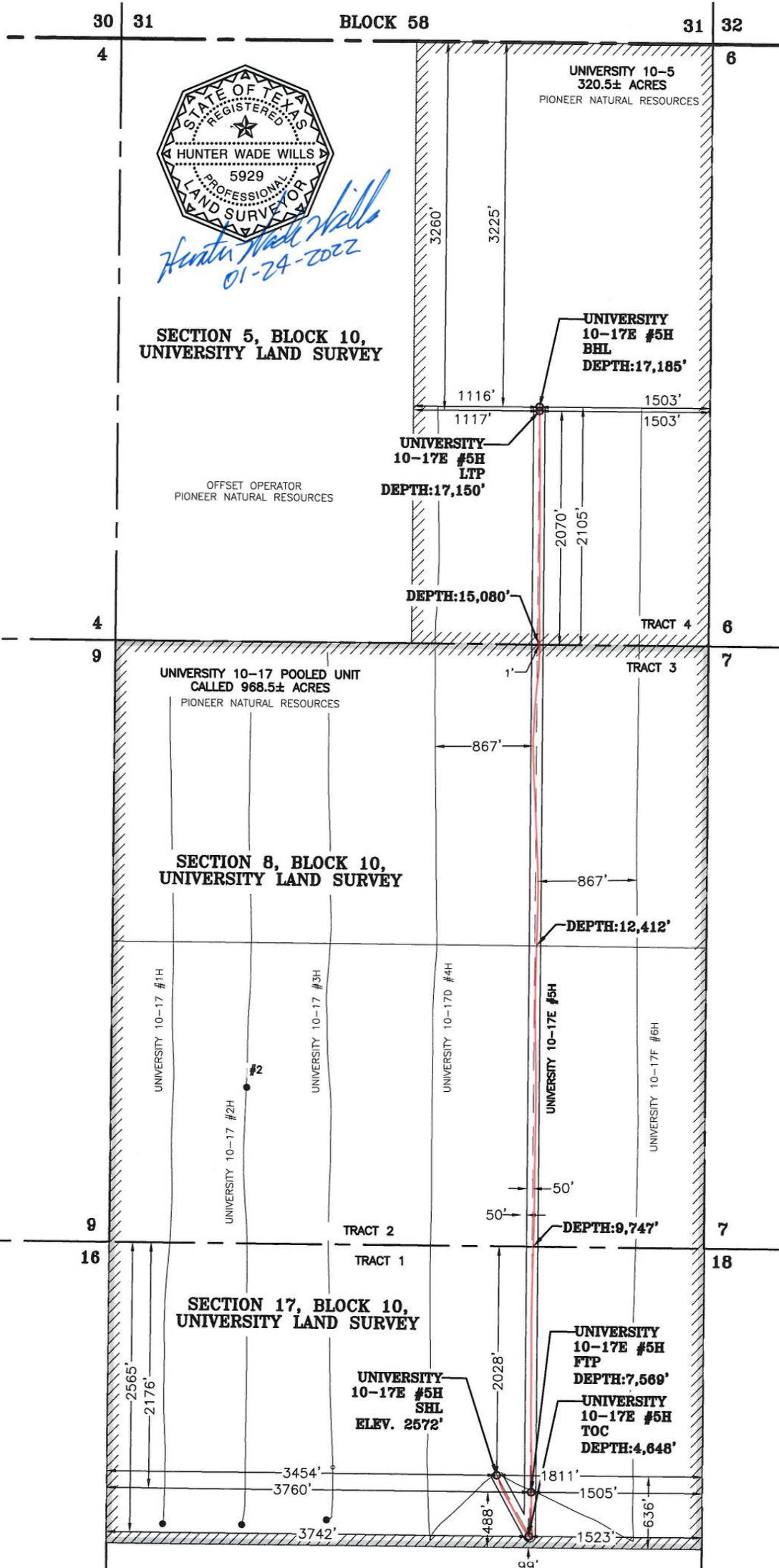
This determination is based on information provided when the application was submitted on 08/06/2021. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

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 10-17E #5H	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)	1638931.6	583905.0	31.267029	-101.489032	2028'	FNL	1811'	FEL	488'	FSL	1811'	FEL	17
TOP OF CLEARFORK (TOC)	1639209.0	583361.9	31.265544	-101.488126	2565'	FNL	1523'	FEL	99'	FSL	1523'	FEL	17
FIRST TAKE POINT (FTP)	1639234.4	583751.2	31.266615	-101.488058	2176'	FNL	1505'	FEL	488'	FSL	1505'	FEL	17
LAST TAKE POINT (LTP)	1639401.6	593325.1	31.292941	-101.487841	2070'	FSL	1503'	FEL	3260'	FNL	1117'	FWL	5
BOTTOM HOLE LOCATION (BHL)	1639401.8	593360.1	31.293037	-101.487841	2105'	FSL	1503'	FEL	3225'	FNL	1116'	FWL	5

UNIVERSITY 10-17E #5H		LENGTH
Tract 1		2178'
Tract 2		2665'
Tract 3		2668'
Tract 4		2070'
TOTAL PRODUCTIVE LATERAL LENGTH		9581'



NOTE: WELL IS LOCATED APPROXIMATELY 5.5 MILES NORTHWEST 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: 1/20/2022
 BY: K. RIOS
 AVO: 039678.782

- LEGEND**
- SECTION LINE
 - BLOCK/TOWNSHIP LINE
 - LEASE LINE
 - POOLED UNIT
 - SUBJECT LATERAL
 - AS-DRILLED LATERAL
 - PERMITTED LATERAL
 - PROPOSED LATERAL
 - EXISTING WELL
 - PROPOSED 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 1.000207898, 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.
 - 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 10-17E #5H

UNIVERSITY 10-5 - 320.5± ACRES
 UNIVERSITY 10-17 PU - 968.5± ACRES
 TOTAL TRACT: 1,289.0± ACRES
 (SURFACE AREA)

LOCATED IN:
 SECTION 5, SECTION 8 & SECTION 17,
 BLOCK 10, UNIVERSITY LAND SURVEY,
 REAGAN COUNTY, TEXAS