



Railroad Commission of Texas

Form W-2

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

Status: Approved
Date: 05/24/2021
Tracking No.: 248979

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	42-383-40906	County:	REAGAN
Well No.:	4H	RRC District	7C
Lease	UNIVERSITY W2-34D	Field	SPRABERRY (TREND AREA)
RRC Lease	21291	Field No.:	85279200
Location	Section: 34, Block: 2, Survey: UL, Abstract: U70		
Latitude		Longitud	
This well is 11.9 miles in a SW direction from STILES, which is the nearest town in the			

Filing Information			
Purpose of	Well Record Only		
Type of	New Well		
Well Type:	Shut-In Producer	Completion or Recompletion	11/20/2020
Type of Permit		Date	Permit No.
Permit to Drill, Plug Back, or Rule 37 Exception		09/17/2020	864665
Fluid Injection			
O&G Waste Disposal			
Other:			

Completion Information			
Spud	11/19/2020	Date of first production after rig	11/20/2020
Date plug back, deepening, drilling operation	11/19/2020	Date plug back, deepening, recompletion, drilling operation	11/20/2020
Number of producing wells on this lease this field (reservoir) including this	0	Distance to nearest well in lease & reservoir	0.0
Total number of acres in	951.80	Elevation	2670 RKB
Total depth TVD	1104	Total depth MD	1104
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)	0.0 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	None		
Electric Log Other Description:			
Location of well, relative to nearest lease of lease on which this well is	918.0 Feet from the 1702.0 Feet from the	Off Lease :	Yes
		West Line and South Line of the	
		UNIVERSITY W2-34D Lease.	

Former Field (With Reservoir) & Gas ID or Oil Lease No.			
Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
W2:	N/A		

PACKET:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth	475.0	Date 09/05/2019
SWR 13 Exception	Depth	1140.0	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of		Production	
Number of hours	24	Choke	
Was swab used during this	No	Oil produced prior to	
PRODUCTION DURING TEST PERIOD:			
Oil		Gas	
Gas - Oil	0	Flowing Tubing	
Water			
CALCULATED 24-HOUR RATE			
Oil		Gas	
Oil Gravity - API - 60.:		Casing	
Water			

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 Tool</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	1084			C	1100	1891.0	0	Circulated to Surface

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>
				/
N/A				

PRODUCING/INJECTION/DISPOSAL INTERVAL			
<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
		L	
N/A			

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		No	
Is well equipped with a downhole sleeve?		No	
		If yes, actuation pressure	
Production casing test pressure (PSIG) during hydraulic fracturing		Actual maximum pressure (PSIG) during fracturin	
Has the hydraulic fracturing fluid disclosure been		No	
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>
N/A			

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 05 September 2019**GAU Number:** 252416**Attention:** PIONEER NATURAL RES. USA,
ATTN WELDON PIERSON
IRVING, TX 75039**Operator No.:** 665748**API Number:**
County: REAGAN
Lease Name: UNIVERSITY E2-34A
Lease Number:
Well Number: 101H
Total Vertical Depth: 10141
Latitude: 31.296100
Longitude: -101.707349
Datum: NAD27**Purpose:** New Production Well**Location:** Survey-University Lands; Abstract-201; Block-2; Section-34

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 475 feet at the site of the referenced well.

This recommendation is applicable for all wells drilled in this Survey-University Lands; Abstract-201; Block-2; Section-34.

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 09/03/2019. 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



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: 11/23/2020
Date: 04/21/2021

Well Information

District No: 7C County: REAGAN
Well No: 4H API No: 38340906 Drilling Permit No: 864665
Lease Name: UNIVERSITY W2-34D Field Name: SPRABERRY (TREND AREA)

Lease No: N/A Field No: 85279200

Casing Cementing Data

Type of casing: Surface Cementing Date : 11/20/2020
Drilled hole size (in.): 17 1/2
Size of casing in O.D.(in): 13 3/8 Depth of drilled hole (ft.): 1104
Hrs. waiting on cement before drill-out: 12 No. of centralizers used : 8
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): 1084
outside casing? [Yes] Casing weight (lbs/ft) and grade: 54.5 K55
Multiple parallel strings: No DV tool not opened: No

Slurry

Slurry # 1 * No. of Sacks: 750 * Class: C * Additives: 4% GEL * Volume (cu. ft.) 1425 * Height (ft.) 2052
Slurry # 2 * No. of Sacks: 350 * Class: C * Additives: NEAT * Volume (cu. ft.) 466 * Height (ft.) 670

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: MARTIN HIGAREDA 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: David Vincenti Representative's Title: Regulatory Specialist
Phone Number: (972) 969-3935

WAYNE CHRISTIAN, CHAIRMAN
CHRISTI CRADDICK, COMMISSIONER
RYAN SITTON, COMMISSIONER



DANNY SORRELLS
DIRECTOR, OIL AND GAS DIVISION
BILL SPRAGGINS
DISTRICT DIRECTOR

RAILROAD COMMISSION OF TEXAS OIL AND GAS

OPERATOR	PIONEER NATURAL RES. USA, INC.	RE Lease:	UNIVERSITY W2-34D
Address1:	ATTN WELDON PIERSON	Well No:	4H
Address2:	777 HIDDEN RIDGE	Sec:	34
City:	IRVING	Block	2
State:	TX	County:	REAGAN
		Survey Name:	UL

SWR13EX Application 88854 **Drilling Permit** 864665

SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST

The Proposed Casing and Cementing Program submitted for **LEASE** UNIVERSITY W2-34D ;
WELL 4H has been approved by the Railroad Commission of Texas District Office.

- 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.
- 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.
- 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.
- The casing and cement program shall adhere to the following specifications:
Set 1140 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 09/21/2020 .
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: 09/21/2020

BILL SPRAGGINS

DISTRICT DIRECTOR

CERTIFICATE OF COMPLIANCE
AND TRANSPORTATION AUTHORITY

P-4

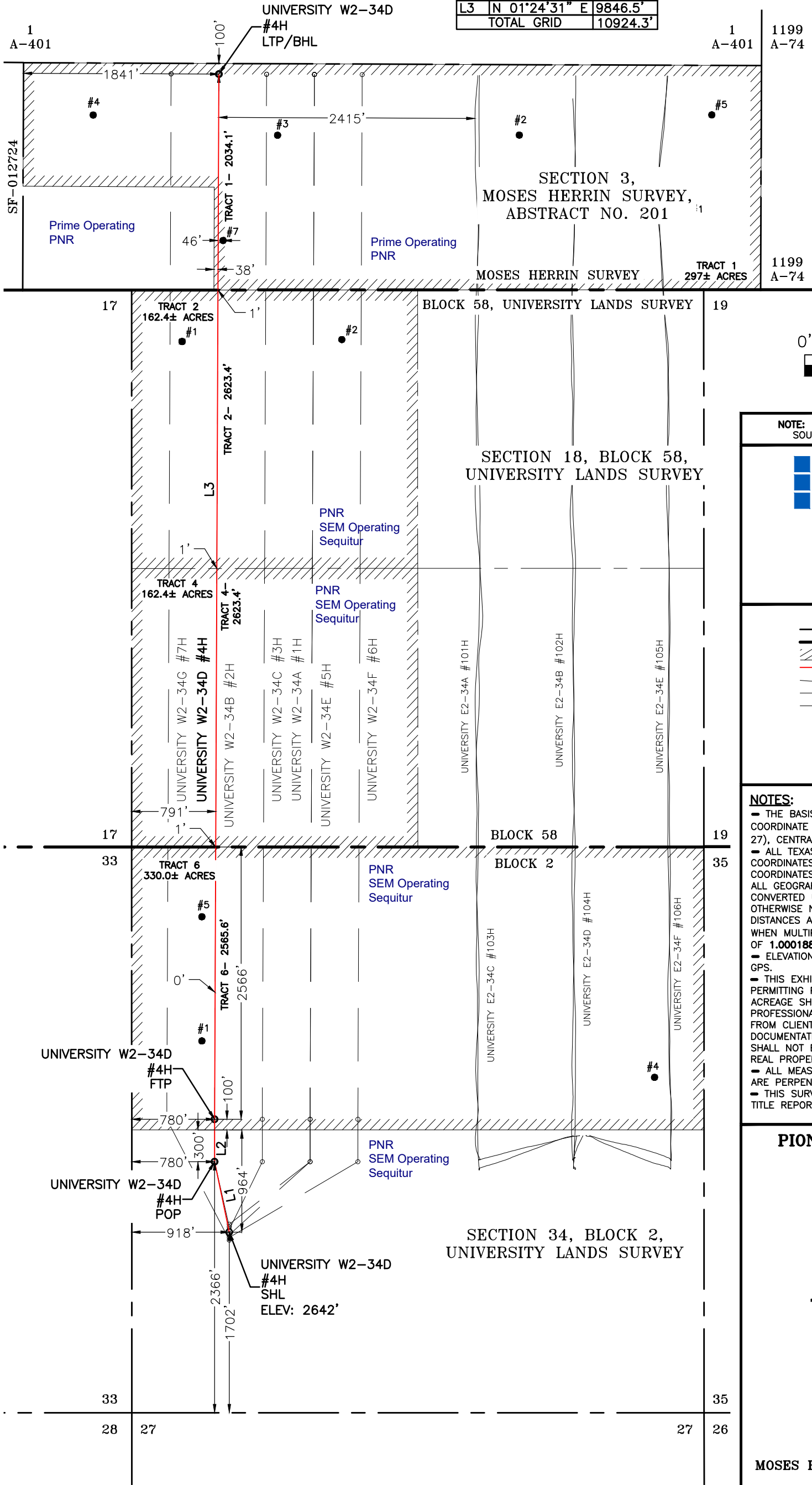
This facsimile P-4 was generated electronically from data submitted to the RRC.
A certification of the automated data is available in the RRC's Austin office.

Tracking No.: 248979

1. Field name exactly as shown on proration schedule SPRABERRY (TREND AREA)		2. Lease name as shown on proration schedule UNIVERSITY W2-34D					
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 21291	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) 4H			11. Effective Date 11/20/2020		
		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 _____ <input type="checkbox"/> lease name from _____ OR b. New RRC Number for: <input checked="" type="checkbox"/> oil lease <input type="checkbox"/> gas well Due to: <input type="checkbox"/> new completion or recompletion <input type="checkbox"/> reclass oil to gas <input type="checkbox"/> reclass gas to oil <input type="checkbox"/> other well (specify) _____ <input type="checkbox"/> consolidation, unitization, or 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 (Attach an additional sheet in same format if more space is needed)			Purchaser's RRC Assigned System Code	Percent of Take	Full-well stream
14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).							
Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (Attach an additional sheet in same format if more space is needed)						Percent of Take	
N/A							
RRC USE ONLY: Reviewer's initials: <u>RRC Staff</u> Approval date: <u>05/24/2021</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 _____ Name (print) _____ Title _____				Signature <input type="checkbox"/> Authorized Employee of previous operator <input type="checkbox"/> Authorized agent of previous operator (see instruction G) _____ 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.							
<u>PIONEER NATURAL RES. USA, INC.</u> Name (print) <u>Regulatory Specialist</u> Title <u>david.vincenti@pxd.com</u> E-mail Address (optional)				<u>DAVID VINCENTI</u> Signature <input checked="" type="checkbox"/> Authorized Employee of current operator <input type="checkbox"/> Authorized agent of current operator (see instruction G) <u>04/22/2021</u> Date _____ Phone with area code <u>(972) 969-3935</u>			

UNIVERSITY W2-34D #4H	NORTHING (NAD 27)	EASTING (NAD 27)	LATITUDE (NAD 27)	LONGITUDE (NAD 27)	SECTION LINE		SECTION LINE		LEASE LINE		LEASE LINE		SECTION
					FOOTAGE	N/S	FOOTAGE	E/W	FOOTAGE	N/S	FOOTAGE	E/W	
SURFACE HOLE LOCATION (SHL)	594410.5	1567598.8	31.293672°	-101.717749°	1702'	S	918'	W	964'	N	918'	W	34
POINT OF PENETRATION (POP)	595076.7	1567474.3	31.295499°	-101.718174°	2366'	S	780'	W	300'	N	780'	W	34
FIRST TAKE POINT (FTP)	595476.6	1567482.4	31.296599°	-101.718164°	2566'	N	780'	W	100'	S	780'	W	34
LAST TAKE POINT/ BOTTOM HOLE LOCATION (LTP/BHL)	605320.1	1567724.5	31.323669°	-101.717781°	100'	N	1841'	W	100'	N	1841'	W	3

LINE	BEARING	DISTANCE
L1	N 10°35'06" W	677.8'
L2	N 01°09'46" E	400.0'
L3	N 01°24'31" E	9846.5'
TOTAL GRID		10924.3'



NOTE: WELL IS LOCATED APPROXIMATELY 11.9 MILES
SOUTHWEST OF STILES, REAGAN COUNTY, TEXAS



3300 NORTH A STREET, BUILDING 2, SUITE 120
MIDLAND, TX 79705-5471
TEL (432) 253-3255
TBPELS SURVEYING FIRM #10193998
DATE: 6/30/2020
BY: KEDRYN GORDON
REV: KEDRYN GORDON 8/10/2020
AVO: 39678.377

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 1.000188348, 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 W2-34D #4H

TRACT 6 - 330.0± ACRES
TRACT 4 - 162.4± ACRES
TRACT 2 - 162.4± ACRES
TRACT 1 - 297± ACRES

TOTAL TRACT: 951.8± ACRES
(SURFACE AREA)

LOCATED IN:
SECTION 34, BLOCK 2,
UNIVERSITY LANDS SURVEY,
SECTION 18, BLOCK 58,
UNIVERSITY LANDS SURVEY,
&
SECTION 3,
MOSES HERRIN SURVEY, ABSTRACT NO. 201,
REAGAN COUNTY, TEXAS