



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 07/24/2023
Tracking No.: 292677

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Table with Operator, PIEDRA OPERATING, LLC, Operator 664930, and address: 370 17TH ST STE 1700 DENVER, CO 80202-

WELL INFORMATION

Table with well details: API 42-003-00297, Well No.: 3, Lease UNIVERSITY -5-, RRC Lease 09082, Location Section: ,Block: , Survey: BLOCK 5 UNIVERSITY, SURVEY 30, A-U134, Abstract: , Latitude, Longitud, This well is 12 miles in a NORTHEAST direction from ANDREWS, which is the nearest town in the

FILING INFORMATION

Table with filing details: Purpose of Retest, Type of Other/Recompletion, Well Type: Producing, Completion or Recompletion 02/27/2023, Type of Permit, Date, Permit No., Permit to Drill, Plug Back, or Rule 37 Exception, Fluid Injection, O&G Waste Disposal, Other:

COMPLETION INFORMATION

Table with completion details: Spud 03/21/1987, Date of first production after rig 02/27/2023, Date plug back, deepening, drilling operation 02/10/2023, Date plug back, deepening, recompletion, drilling operation 02/27/2023, Number of producing wells on this lease this field (reservoir) including this 2, Distance to nearest well in lease & reservoir 0.0, Total number of acres in 323.65, Elevation 3052 GL, Total depth TVD 13855, Total depth MD, Plug back depth TVD 12592, Plug back depth MD, Was directional survey made other inclination (Form W- No, Rotation time within surface casing Is Cementing Affidavit (Form W-15) No, Recompletion or Yes, 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 600.0 Feet from the North Line and 1900.0 Feet from the West Line of the UNIVERSITY -5- Lease. Off Lease : No

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:**

<b>GAU Groundwater Protection Determination</b>	<b>Depth</b>	1750.0	<b>Date</b>	05/06/2022
<b>SWR 13 Exception</b>	<b>Depth</b>			

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

<b>Date of</b>	03/01/2023	<b>Production</b>	Pumping
<b>Number of hours</b>	24	<b>Choke</b>	
<b>Was swab used during this</b>	No	<b>Oil produced prior to</b>	91.00
<b>PRODUCTION DURING TEST PERIOD:</b>			
<b>Oil</b>	84.00	<b>Gas</b>	16
<b>Gas - Oil</b>	190	<b>Flowing Tubing</b>	
<b>Water</b>	900		
<b>CALCULATED 24-HOUR RATE</b>			
<b>Oil</b>	84.0	<b>Gas</b>	16
<b>Oil Gravity - API - 60.:</b>	39.0	<b>Casing</b>	
<b>Water</b>	900		

**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	204			C	200	0.0	0	Circulated to Surface
2	Intermediate	9 5/8	12 1/4	5110			C	1300	0.0	0	Circulated to Surface
3	Conventional Production	7	7 7/8	13856			C	500	0.0	7792	Temperature Survey

**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	5197		/

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L 12496	12546.0

**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

<b>Ro</b>	<b>Type of Operation</b>	<b>Amount and Kind of Material Used</b>	<b>Depth Interval (ft.)</b>
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**FORMATION RECORD**

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
UPPER DEVONIAN	Yes	11500.0		Yes	
DEVONIAN	Yes	12000.0		Yes	
LOWER DEVONIAN	Yes	12500.0		Yes	
ELLENBURGER	Yes	13800.0		Yes	

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**

THIS W2 IS BEING FILED TO REFLECT THIS WELL AS PRODUCING. PIEDRA PURCHASED FROM GRAMMA AND WORKED OVER THE WELL. PIEDRA REMOVED CIBP AND INSTALLED TUBING. NO NEW PERFORATIONS OR ACID WORK. WELL RETURNED TO PRODUCTION EFFECTIVE 2/28/23.

**RRC REMARKS**

**PUBLIC COMMENTS:**

**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>	Ann Ritchie	<b>Title:</b>	
<b>Telephone</b>	(432) 684-6381	<b>Date</b>	06/22/2023

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 06 May 2022      **GAU Number:** 342940

<b>Attention:</b>	GRAMA OPERATING, LLC 4200 S HULEN SUITE 533 FORT WORTH, TX 76109	<b>API Number:</b>	00300297
<b>Operator No.:</b>	324437	<b>County:</b>	ANDREWS
		<b>Lease Name:</b>	University -5-
		<b>Lease Number:</b>	09082
		<b>Well Number:</b>	3
		<b>Total Vertical</b>	12592
		<b>Latitude:</b>	32.429732
		<b>Longitude:</b>	-102.387485
		<b>Datum:</b>	NAD27

**Purpose:** Plug and Abandon (P&A)  
**Location:** Survey-UL; Abstract-U134; Block-5; Section-30

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 that must be protected is estimated to occur at a depth of 1750 feet below the land surface. Moreover, the interval from the land surface to a depth of 250 feet and the fresh water contained in the zone from a depth of 1175 feet to 1750 feet must be isolated from water in overlying and underlying beds.

This recommendation is applicable for all wells drilled in this Section 30.

Note: Unless stated otherwise, this recommendation is intended to apply to all wells drilled within 200 feet of the subject well. 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 05/05/2022. 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 LAND

Texas

Humble

24

19

20

BLOCK 4 BLOCK 5

Phillips

25

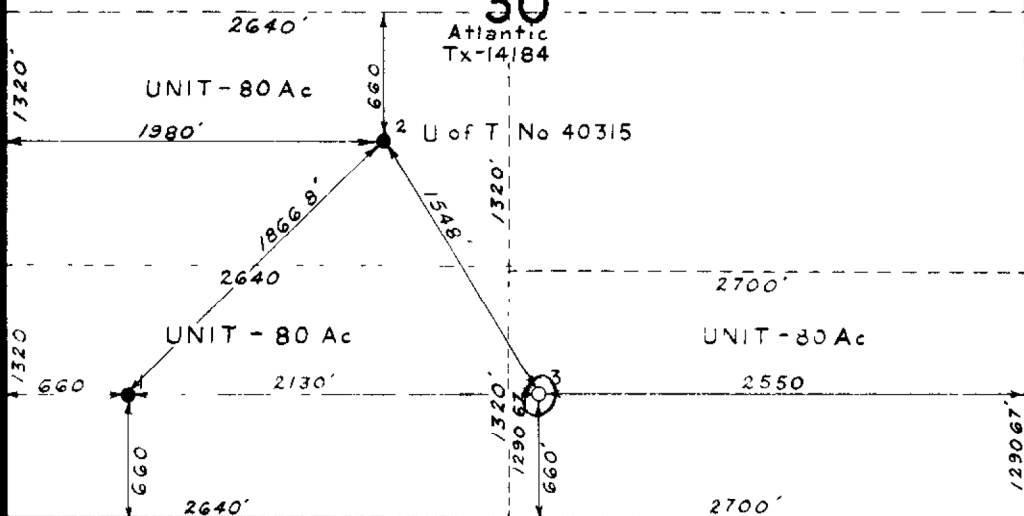
Phillips

30

Atlantic  
Tx-14184

29

Tidewater



Phillips

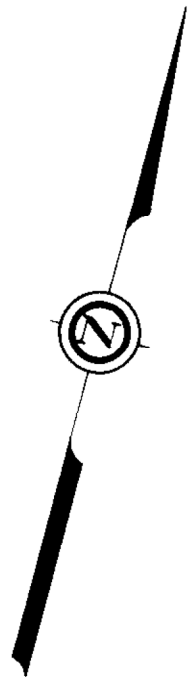
36<sup>23</sup>

31

32

Operator THE ATLANTIC REFINING COMPANY  
 Lease UNIVERSITY 5  
 Field MAGUTEX (DEVONIAN)  
 Description S 1/2 Sec 30, University Lands Block 5, Andrews Co, Texas  
 Date plat drawn May 17, 1955  
 Acres covered by this plat 323.65 Ac  
 Total acres in lease 323.65 Ac

Tx-14184



SCALE 1" = 1000

THE ATLANTIC REFINING COMPANY SURVEY LAND DIVISION DALLAS TEXAS	SUP DRN: CW5	APPROVED: <i>W. J. Burkart</i>	DATE 5-17-55 REV 5-28-56 A-1793
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