



**RAILROAD COMMISSION OF TEXAS**

**Form W-2**

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

Status: Approved  
Date: 08/31/2021  
Tracking No.: 254472

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

**OPERATOR INFORMATION**

|                 |   |                 |        |
|-----------------|---|-----------------|--------|
| <b>Operator</b> | FDL OPERATING, LLC                                  | <b>Operator</b> | 263924 |
| <b>Operator</b> | ATTN ROBIN SWANNER PO BOX 472 JUDSON, TX 75660-0000 |                 |        |

**WELL INFORMATION**

|   |  |                     |                |
|---|--|---------------------|----------------|
| <b>API</b>                              | 42-003-37804   | <b>County:</b>      | ANDREWS        |
| <b>Well No.:</b>                        | 1  | <b>RRC District</b> | 08             |
| <b>Lease</b>                            | UNIVERSITY "O"   | <b>Field</b>        | FUHRMAN-MASCHO |
| <b>RRC Lease</b>                        | 34991  | <b>Field No.:</b>   | 33176001       |
| <b>Location</b>                         | Section: 20, Block: 13, Survey: U.L., Abstract: 000000 |                     |                |
| <b>Latitude</b>                         |  | <b>Longitud</b>     |                |
| <b>This well is</b>                     | 12   | <b>miles in a</b>   | W              |
| <b>direction from</b>                   | ANDREWS,   |                     |                |
| <b>which is the nearest town in the</b> |  |                     |                |

**FILING INFORMATION**

|                                       |                    |                                   |                   |
|---------------------------------------|--------------------|-----------------------------------|-------------------|
| <b>Purpose of</b>                     | Well Record Only   |                                   |                   |
| <b>Type of</b>                        | Other/Recompletion |                                   |                   |
| <b>Well Type:</b>                     | Shut-In Producer   | <b>Completion or Recompletion</b> | 08/21/2021        |
| <b>Type of Permit</b>                 |                    | <b>Date</b>                       | <b>Permit No.</b> |
| <b>Permit to Drill, Plug Back, or</b> |                    | 02/21/1996                        | 445030            |
| <b>Rule 37 Exception</b>              |                    |                                   |                   |
| <b>Fluid Injection</b>                |                    |                                   |                   |
| <b>O&amp;G Waste Disposal</b>         |                    |                                   |                   |
| <b>Other:</b>                         |                    |                                   |                   |

**COMPLETION INFORMATION**

|  |                      |   |            |
|--|----------------------|---|------------|
| <b>Spud</b>  | 02/22/1996           | <b>Date of first production after rig</b>                                     | 08/21/2021 |
| <b>Date plug back, deepening, drilling operation</b>                                 | 08/18/2021           | <b>Date plug back, deepening, recompletion, drilling operation</b>            | 08/21/2021 |
| <b>Number of producing wells on this lease this field (reservoir) including this</b> | 4                    | <b>Distance to nearest well in lease &amp; reservoir</b>                      | 1420.0     |
| <b>Total number of acres in</b>  | 640.00               | <b>Elevation</b>  | 3299 GR    |
| <b>Total depth TVD</b>   | 4550                 | <b>Total depth MD</b>   |            |
| <b>Plug back depth TVD</b>   | 4482                 | <b>Plug back depth MD</b>   |            |
| <b>Was directional survey made other inclination (Form W-</b>                        | No                   | <b>Rotation time within surface casing Is Cementing Affidavit (Form W-15)</b> | Yes        |
| <b>Recompletion or</b>   | Yes                  | <b>Multiple</b>   | No         |
| <b>Type(s) of electric or other log(s)</b>   | None                 |   |            |
| <b>Electric Log Other Description:</b>   |                      |   |            |
| <b>Location of well, relative to nearest lease of lease on which this well is</b>    | 2073.0 Feet from the | <b>Off Lease :</b>  | No         |
|  | 767.0 Feet from the  | <b>South Line and</b>   |            |
|  |                      | <b>West Line of the</b>   |            |
|  |                      | <b>UNIVERSITY "O" Lease.</b>  |            |

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

| <u>Field &amp; Reservoir</u> | <u>Gas ID or Oil Lease</u> | <u>Well No.</u> | <u>Prior Service Type</u> |
|------------------------------|----------------------------|-----------------|---------------------------|
| 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> 1600.0 | <b>Date</b> 04/21/2021 |
| <b>SWR 13 Exception</b>                         | <b>Depth</b>        |                        |

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

|                                       |  |                              |
|---------------------------------------|--|------------------------------|
| <b>Date of</b>                        |  | <b>Production</b>            |
| <b>Number of hours</b> 24             |  | <b>Choke</b>                 |
| <b>Was swab used during this</b> No   |  | <b>Oil produced prior to</b> |
| <b>PRODUCTION DURING TEST PERIOD:</b> |  |                              |
| <b>Oil</b>                            |  | <b>Gas</b>                   |
| <b>Gas - Oil</b> 0                    |  | <b>Flowing Tubing</b>        |
| <b>Water</b>                          |  |                              |
| <b>CALCULATED 24-HOUR RATE</b>        |  |                              |
| <b>Oil</b>                            |  | <b>Gas</b>                   |
| <b>Oil Gravity - API - 60.:</b>       |  | <b>Casing</b>                |
| <b>Water</b>                          |  |                              |

**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         | Conductor               | 8 5/8                    | 12 1/4           | 271                  |                      |                           | PBCZ                | 130                 | 210.0                      | SURF                       | Circulated to Surface    |
| 2         | Conventional Production | 5 1/2                    | 7 7/8            | 4550                 |                      |                           | PP                  | 1250                | 2262.0                     | SURF                       | 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> |
|-----------|-------------------|--------------|-------------------|--------------------------------|
| 1         | 2 7/8             | 4320         |                   | /                              |

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

| <u>Ro</u> | <u>Open hole?</u> | <u>From (ft.)</u> | <u>To (ft.)</u> |
|-----------|-------------------|-------------------|-----------------|
| N/A       |                   |                   |                 |

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

|   |  |   |                             |
|---|--|---|-----------------------------|
| <b>Was hydraulic fracturing treatment</b>                                 | No   |   |                             |
| <b>Is well equipped with a downhole sleeve?</b> No                        | <b>If yes, actuation pressure</b>                      |   |                             |
| <b>Production casing test pressure (PSIG) during hydraulic fracturing</b> | <b>Actual maximum pressure (PSIG) during fracturin</b> |   |                             |
| <b>Has the hydraulic fracturing fluid disclosure been</b>                 | No   |   |                             |
| <b>Ro</b>   | <b>Type of Operation</b>                               | <b>Amount and Kind of Material Used</b>               | <b>Depth Interval (ft.)</b> |
| 1   | Cast Iron Bridge Plug                                  | CIBP WITH 20 FEET OF CEMENT ABOVE PLUG CLASS H CEMENT | 2810 2830                   |

**FORMATION RECORD**

| <u>Formations</u> | <u>Encountere</u> | <u>Depth TVD</u> | <u>Depth MD</u> | <u>Is formation</u> | <u>Remarks</u> |
|-------------------|-------------------|------------------|-----------------|---------------------|----------------|
| YATES             | No                | 2866.0           |                 | No                  |                |
| SAN ANDRES        | No                | 4380.0           |                 | No                  |                |

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**

FILING W-2 TO SHOW CIBP PLACEMENT

**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>   | Rebecca Greer  | <b>Title:</b> |            |
| <b>Telephone</b> | (432) 523-1021 | <b>Date</b>   | 08/23/2021 |



# RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

## CEMENTING REPORT

Cementer: Fill in shaded areas.  
Operator: Fill in other items.

### OPERATOR INFORMATION

|   |                                 |
|---|---------------------------------|
| <b>Operator Name:</b> FDL Operating, LLC      | <b>Operator P-5 No.:</b> 263924 |
| <b>Cementer Name:</b> The Wireline Group Inc. | <b>Cementer P-5 No.:</b> 851506 |

### WELL INFORMATION

|                                   |                            |                                    |
|-----------------------------------|----------------------------|------------------------------------|
| <b>District No.:</b> 8            | <b>County:</b> Andrews     |                                    |
| <b>Well No.:</b> 1                | <b>API No.:</b> 4200337804 | <b>Drilling Permit No.:</b> 445030 |
| <b>Lease Name:</b> University "O" | <b>Lease No.:</b> 34991    |                                    |
| <b>Field Name:</b> FUHRMAN-MASCHO | <b>Field No.:</b> 33176001 |                                    |

### I. CASING CEMENTING DATA

Type of casing:  Conductor  Surface  Intermediate  Liner  Production

|  |                                   |                                      |
|--|-----------------------------------|--------------------------------------|
| Drilled hole size (in.):   | Depth of drilled hole (ft.):      | Est. % wash-out or hole enlargement: |
| Size of casing in O.D. (in.):  | Casing weight (lbs/ft) and grade: | No. of centralizers used:            |
| Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks. | Setting depth shoe (ft.):         | Top of liner (ft.):                  |
|  |                                   | Setting depth liner (ft.):           |
| Hrs. waiting on cement before drill-out:   | Calculated top of cement (ft.):   | Cementing date:                      |

| SLURRY     |              |       |           |                  |              |
|------------|--------------|-------|-----------|------------------|--------------|
| Slurry No. | No. of Sacks | Class | Additives | Volume (cu. ft.) | Height (ft.) |
| 1          |              |       |           |                  |              |
| 2          |              |       |           |                  |              |
| 3          |              |       |           |                  |              |
| Total      |              |       |           |                  |              |

### II. CASING CEMENTING DATA

Type of casing:  Surface  Intermediate  Production  Tapered production  Multi-stage cement shoe  Multiple parallel strings

|  |                                   |  |
|--|-----------------------------------|--|
| Drilled hole size (in.):                                     | Depth of drilled hole (ft.):      | Est. % wash-out or hole enlargement:   |
| Size of casing in O.D. (in.):                                | Casing weight (lbs/ft) and grade: | No. of centralizers used:  |
| Tapered string drilled hole size (in.)<br>Upper: Lower:      |                                   | Tapered string depth of drilled hole (ft.)<br>Upper: Lower:  |
| Tapered string size of casing in O.D. (in.)<br>Upper: Lower: |                                   | Tapered string casing weight (lbs/ft) and grade<br>Upper: Lower:   |
| Tapered string no. of centralizers used<br>Upper: Lower:     |                                   | Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO |
| Hrs. waiting on cement before drill-out:                     | Calculated top of cement (ft.):   | Setting depth shoe (ft.):  |
| Hrs. waiting on cement before drill-out:                     | Calculated top of cement (ft.):   | Cementing date:  |

| SLURRY     |              |       |           |                  |              |
|------------|--------------|-------|-----------|------------------|--------------|
| Slurry No. | No. of Sacks | Class | Additives | Volume (cu. ft.) | Height (ft.) |
| 1          |              |       |           |                  |              |
| 2          |              |       |           |                  |              |
| 3          |              |       |           |                  |              |
| Total      |              |       |           |                  |              |

### III. CASING CEMENTING DATA

Type of casing:  Surface  Intermediate  Production  Tapered production  Multi-stage cement/DV tool  Multiple parallel strings

|  |                                   |  |
|--|-----------------------------------|--|
| Drilled hole size (in.):                                     | Depth of drilled hole (ft.):      | Est. % wash-out or hole enlargement:   |
| Size of casing in O.D. (in.):                                | Casing weight (lbs/ft) and grade: | No. of centralizers used:  |
| Tapered string drilled hole size (in.)<br>Upper: Lower:      |                                   | Tapered string depth of drilled hole (ft.)<br>Upper: Lower:  |
| Tapered string size of casing in O.D. (in.)<br>Upper: Lower: |                                   | Tapered string casing weight (lbs/ft) and grade<br>Upper: Lower:   |
| Tapered string no. of centralizers used<br>Upper: Lower:     |                                   | Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO |
| Hrs. waiting on cement before drill-out:                     | Calculated top of cement (ft.):   | Setting depth tool (ft.):  |
| Hrs. waiting on cement before drill-out:                     | Calculated top of cement (ft.):   | Cementing date:  |

| SLURRY     |              |       |           |                  |              |
|------------|--------------|-------|-----------|------------------|--------------|
| Slurry No. | No. of Sacks | Class | Additives | Volume (cu. ft.) | Height (ft.) |
| 1          |              |       |           |                  |              |
| 2          |              |       |           |                  |              |
| 3          |              |       |           |                  |              |
| Total      |              |       |           |                  |              |



# RAILROAD COMMISSION OF TEXAS

FORM H-9

## OIL AND GAS DIVISION

12/12/77

### CERTIFICATE OF COMPLIANCE STATEWIDE RULE 36

|  |  |  |   |  |                       |
|--|--|--|---|--|-----------------------|
| 1. Operator<br>FDL OPERATING, LLC  |  | 2. Operator Number<br>263924                 |   | 3. RRC Dist.<br>08                       |                       |
| 4. Street or P.O. Box No.<br>ATTN ROBIN SWANNER  |  | 5. City<br>JUDSON                            |   | 6. State<br>TX                           | 7. Zip Code<br>75660  |
| 8. Name of Lease, Facility or Operation<br>Multiple Operations listed. See Attachment.                       |  |  | 9. Field or Area Name<br>FUHRMAN-MASCHO |  | 10. County<br>ANDREWS |
| 11. General Operation Type<br>Oil Field Production   |  |  | Other Explanation                       |  |                       |
| 12. RRC ID of Operation(s) to be Covered by this Certificate.<br>Multiple Operations listed. See Attachment. |  |  | Type of Operation                       | Storage                                  |                       |
| 13. Hydrogen Sulfide<br>1363 PPM   |  | 14. Maximum Escape Volume<br>25 MCF/Day      |   | 15. 100 PPM Radius of Exposure<br>12 Ft. |                       |
| 16. 500 PPM Radius of Exposure<br>16 Ft.   |  | 17. Operation Existing                       |   |  |                       |
|  |  | 18. Modification Resulting in Certificate No |   |  |                       |
| 19. Workover or Drilling Well with 100 PPM ROE Greater than 3000 feet on Rule 36 Certified                   |  |  |   |  | No                    |
| 20. Previous Certificate Number if   |  |  |   |  |                       |
| 21. The 100 PPM ROE includes any part of a public area except a public road.                                 |  |  |   |  | No                    |
| 22. The 500 PPM ROE includes any part of a public road   |  |  |   |  | No                    |
| 23. Injection of fluid containing Hydrogen Sulfide   |  |  |   |  | No                    |
| 24. Date(or Depth) of Compliance with all applicable provisions of Rule 36                                   |  |  |   |  | 09/21/2020            |
| Depth of Compliance for Drilling Operations  |  |  | Ft. from Surface                        |  |                       |
| 25. Contingency Plan and Location of Contingency   |  |  | Has been prepared                       |  | No                    |
| 26. Location of data used to prepare this certificate.<br>FDL OPERATING, LLC 1602 WEST BROADWAY ANDREWS TX   |  |  |   |  |                       |
| Test Company   |  | LEGACY SAFETY AND                            |   | (623) 414-1248                           |                       |
|  |  | Company Name                                 |   | Phone                                    |                       |

This operation and the equipment used therein is approved on the basis of the above certification and is subject to further Commission audit for compliance with the required provisions of Statewide Rule 36. This approval may be canceled if investigation determines that the operation does not comply with the provisions of Statewide Rule 36.

Approved By: Andie Landis Date Approved: 10/06/2020

Certification 116059 Date Terminated: \_\_\_\_\_

# RAILROAD COMMISSION OF TEXAS

FORM H-9

## OIL AND GAS DIVISION

12/12/77

### CERTIFICATE OF COMPLIANCE STATEWIDE RULE 36

| RRC ID# of Operation(s) | Operation Name  | Type             | Storage Facility Only |
|-------------------------|-----------------|------------------|-----------------------|
| 34991                   | UNIVERSITY "O"  | Oil Lease Number | Yes                   |
| 34988                   | UNIVERSITY "DD" | Oil Lease Number | Yes                   |

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 21 April 2021 **GAU Number:** 303167

|                      |  |                       |                |
|----------------------|--|-----------------------|----------------|
| <b>Attention:</b>    | FDL OPERATING, LLC<br>ATTN ROBIN SWANNER<br>JUDSON, TX 75660 | <b>API Number:</b>    | 00337811       |
| <b>Operator No.:</b> | 263924   | <b>County:</b>        | ANDREWS        |
|                      |  | <b>Lease Name:</b>    | UNIVERSITY "W" |
|                      |  | <b>Lease Number:</b>  | 34992          |
|                      |  | <b>Well Number:</b>   | 1              |
|                      |  | <b>Total Vertical</b> | 4550           |
|                      |  | <b>Latitude:</b>      | 32.371438      |
|                      |  | <b>Longitude:</b>     | -102.783719    |
|                      |  | <b>Datum:</b>         | NAD27          |

**Purpose:** Test On Inactive Well (H-15)  
**Location:** Survey-UL; Abstract-U412; Block-13; Section-20

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 1600 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 1100 feet to 1600 feet must be isolated from water in overlying and underlying beds.

This recommendation is applicable for all wells drilled in this Section 20.

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 04/20/2021. 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