

API No. <u>42-383-39835</u> Drilling Permit # <u>824347</u> SWR Exception Case/Docket No. _____		<b>RAILROAD COMMISSION OF TEXAS</b> <b>OIL &amp; GAS DIVISION</b> <b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b> <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>				<b>FORM W-1</b> 07/2004 Permit Status: <b>Approved</b>	
1. RRC Operator No. <b>655836</b>		2. Operator's Name (as shown on form P-5, Organization Report) <b>PERMIAN RESOURCES, LLC</b>			3. Operator Address (include street, city, state, zip): <b>PO BOX 14670</b> <b>OKLAHOMA CITY, OK 73113-0000</b>		
4. Lease Name <b>UNIVERSITY 11 RE</b>		5. Well No. <b>936HS</b>					
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter <input type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)							
7. Wellbore Profile (mark ALL appropriate boxes): <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack							
8. Total Depth <b>9000</b>		9. Do you have the right to develop the minerals under any right-of-way ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <b>7C</b>		12. County <b>REAGAN</b>		13. Surface Location <input checked="" type="checkbox"/> Land <input type="checkbox"/> Bay/Estuary <input type="checkbox"/> Inland Waterway <input type="checkbox"/> Offshore			
14. This well is to be located <u>2.97</u> miles in a <u>NW</u> direction from <u>Big Lake</u> which is the nearest town in the county of the well site.							
15. Section <b>33</b>		16. Block <b>10</b>		17. Survey <b>UNIVERSITY LANDS</b>		18. Abstract No. <b>A-</b>	
				19. Distance to nearest lease line: <b>100</b> ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: <b>3214.83</b>	
21. Lease Perpendiculars: <u>549</u> ft from the <u>SOUTH</u> line and <u>527</u> ft from the <u>EAST</u> line. 22. Survey Perpendiculars: <u>549</u> ft from the <u>SOUTH</u> line and <u>527</u> ft from the <u>EAST</u> line.							
23. Is this a pooled unit? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			24. Unitization Docket No: _____				
25. Are you applying for Substandard Acreage Field? <input type="checkbox"/> Yes (attach Form W-1A) <input checked="" type="checkbox"/> No							
FIELD INFORMATION    List all fields of anticipated completion including Wildcat. List one zone per line.							
26. RRC District No.	27. Field No.	28. Field Name (exactly as shown in RRC records)		29. Well Type	30. Completion Depth	31. Distance to Nearest Well in this Reservoir	
7C	53613750	LIN (WOLFCAMP)		Oil or Gas Well	9000	188.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
<b>Remarks</b>    				<b>Certificate:</b> I certify that information stated in this application is true and complete, to the best of my knowledge.			
				Name of filer: <u>Rian Hinds, Regulatory Technician</u> Date submitted: <u>Mar 10, 2017</u> <u>(405)9684451</u> <u>rian.hinds@permianresources.com</u> Phone    E-mail Address (OPTIONAL)			
RRC Use Only    Data Validation Time Stamp: Mar 23, 2017 3:37 PM( Current Version )							

Permit Status: <b>Approved</b>  <i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i>
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RAILROAD COMMISSION OF TEXAS  
 OIL & GAS DIVISION

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

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 A certification of the automated data is available in the RRC's Austin office.

Permit #	824347
Approved Date:	Mar 23, 2017

1. RRC Operator No. 655836	2. Operator's Name (exactly as shown on form P-5, Organization Report) PERMIAN RESOURCES, LLC	3. Lease Name UNIVERSITY 11 RE	4. Well No. 936HS
Lateral Drainhole Location Information			
5. Field as shown on Form W-1    LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)			
6. Section 33	7. Block 10	8. Survey UNIVERSITY LANDS	9. Abstract
		10. County of BHL REAGAN	
11. Terminus Lease Line Perpendiculars 15 ft. from the south line. and 331 ft. from the east line			
12. Terminus Survey Line Perpendiculars 15 ft. from the south line. and 331 ft. from the east line			
13. Penetration Point Lease Line Perpendiculars 15 ft. from the north line. and 330 ft. from the east line			

**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION**

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER <b>824347</b>	DATE PERMIT ISSUED OR AMENDED <b>Mar 23, 2017</b>	DISTRICT <b>* 7C</b>	
API NUMBER <b>42-383-39835</b>	FORM W-1 RECEIVED <b>Mar 10, 2017</b>	COUNTY <b>REAGAN</b>	
TYPE OF OPERATION <b>NEW DRILL</b>	WELLBORE PROFILE(S) <b>Horizontal</b>	ACRES <b>3214.83</b>	
OPERATOR  <b>PERMIAN RESOURCES, LLC</b>  <b>PO BOX 14670</b> <b>OKLAHOMA CITY, OK 73113-0000</b>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> <b>(325) 657-7450</b>	
LEASE NAME  <b>UNIVERSITY 11 RE</b>		WELL NUMBER  <b>936HS</b>	
LOCATION  <b>2.97 miles NW direction from BIG LAKE</b>		TOTAL DEPTH  <b>9000</b>	
Section, Block and/or Survey SECTION <b>33</b> BLOCK <b>10</b> ABSTRACT <b>1</b> SURVEY <b>UNIVERSITY LANDS</b>			
DISTANCE TO SURVEY LINES <b>549 ft. SOUTH    527 ft. EAST</b>		DISTANCE TO NEAREST LEASE LINE <b>100 ft.</b>	
DISTANCE TO LEASE LINES <b>549 ft. SOUTH    527 ft. EAST</b>		DISTANCE TO NEAREST WELL ON LEASE <b>See FIELD(s) Below</b>	
FIELD(s) and LIMITATIONS: <p align="center"><b>* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</b></p>			
FIELD NAME LEASE NAME		ACRES NEAREST LEASE	DEPTH NEAREST LEASE
----- <b>LIN (WOLFCAMP)</b> <b>UNIVERSITY 11 RE</b> -----		<b>3214.83</b> <b>100</b>	<b>9,000</b> <b>188</b>
----- WELLBORE PROFILE(s) FOR FIELD: <b>Horizontal</b> -----			
RESTRICTIONS:    Lateral: TH1 Penetration Point Location Lease Lines:            15.0 F NORTH L 330.0 F EAST L Terminus Location BH County: REAGAN Section: 33                      Block: 10                      Abstract: Survey: UNIVERSITY LANDS Lease Lines:            15.0 F SOUTH L 331.0 F EAST L Survey Lines:            15.0 F SOUTH L 331.0 F EAST L			
<p align="center"><b>THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</b></p> <p>This well shall be completed and produced in compliance with applicable special field or statewide spacing and density rules. If this well is to be used for brine mining, underground storage of liquid hydrocarbons in salt formations, or underground storage of gas in salt formations, a permit for that specific purpose must be obtained from Environmental Services prior to construction, including drilling, of the well in accordance with Statewide Rules 81, 95, and 97.</p>			

**RAILROAD COMMISSION OF TEXAS**  
**OIL & GAS DIVISION**

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

PERMIT NUMBER <div style="text-align: right;"><b>824347</b></div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: right;"><b>Mar 23, 2017</b></div>	DISTRICT <div style="text-align: right;"><b>* 7C</b></div>
API NUMBER <div style="text-align: right;"><b>42-383-39835</b></div>	FORM W-1 RECEIVED <div style="text-align: right;"><b>Mar 10, 2017</b></div>	COUNTY <div style="text-align: right;"><b>REAGAN</b></div>
TYPE OF OPERATION <div style="text-align: right;"><b>NEW DRILL</b></div>	WELLBORE PROFILE(S) <div style="text-align: right;"><b>Horizontal</b></div>	ACRES <div style="text-align: right;"><b>3214.83</b></div>
OPERATOR <div style="text-align: right;"><b>655836</b></div> <div style="text-align: right;"><b>PERMIAN RESOURCES, LLC</b></div> <div style="text-align: right;"><b>PO BOX 14670</b></div> <div style="text-align: right;"><b>OKLAHOMA CITY, OK 73113-0000</b></div>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> <div style="text-align: right;"><b>(325) 657-7450</b></div>
LEASE NAME <div style="text-align: right;"><b>UNIVERSITY 11 RE</b></div>		WELL NUMBER <div style="text-align: right;"><b>936HS</b></div>
LOCATION <div style="text-align: right;"><b>2.97 miles NW direction from BIG LAKE</b></div>		TOTAL DEPTH <div style="text-align: right;"><b>9000</b></div>
Section, Block and/or Survey <div style="display: flex; justify-content: space-between;"> <div>SECTION  <b>33</b></div> <div>BLOCK  <b>10</b></div> <div>ABSTRACT </div> </div> <div style="display: flex; justify-content: space-between;"> <div>SURVEY  <b>UNIVERSITY LANDS</b></div> <div></div> </div>		
DISTANCE TO SURVEY LINES <div style="text-align: right;"><b>549 ft. SOUTH 527 ft. EAST</b></div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: right;"><b>100 ft.</b></div>
DISTANCE TO LEASE LINES <div style="text-align: right;"><b>549 ft. SOUTH 527 ft. EAST</b></div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: right;"><b>See FIELD(s) Below</b></div>
FIELD(s) and LIMITATIONS: <div style="text-align: center;"><b>* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</b></div>		
<div style="display: flex; justify-content: space-between;"> <div>           FIELD NAME            LEASE NAME         </div> <div>           ACRES            NEAREST LEASE         </div> <div>           DEPTH            NEAREST LEASE         </div> <div>           WELL #            NEAREST WE         </div> <div>           DIST         </div> </div>		
<p>This well must comply to the new SWR 3.13 requirements concerning the isolation of any potential flow zones and zones with corrosive formation fluids. See approved permit for those formations that have been identified for the county in which you are drilling the well in.</p>		

**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION  
SWR #13 Formation Data**

**REAGAN (383) County**

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
GRAYBURG	1,500	2,500		1	12/17/2013
QUEEN	1,900	2,500		2	12/17/2013
SAN ANDRES	2,000	5,000	saltwater flow, possibly heavy	3	12/17/2013
CLEARFORK	3,300	4,000		4	12/17/2013
SPRABERRY	3,300	10,000		5	12/17/2013
STRAWN	9,300	10,200		6	12/17/2013
FUSSELMAN	8,800	11,000		7	12/17/2013
ELLENBURGER	8,700	10,500		8	12/17/2013

The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. Formation "TOP" information listed reflects an estimated range based on geologic variances across the county. To clarify, the "Deep Top" is not the bottom of the formation; it is the deepest depth at which the "TOP" of the formation has been or might be encountered. This is a dynamic list subject to updates and revisions. It is the operator's responsibility to make sure that at the time of spudding the well the most current list is being referenced. Refer to the RRC website at the following address for the most recent information.  
<http://www.rrc.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 17 March 2017**GAU Number:** 169038**Attention:** PERMIAN RESOURCES, LLC  
PO BOX 14670  
OKLAHOMA CITY, OK 73113**Operator No.:** 655836**API Number:** 38339829  
**County:** REAGAN  
**Lease Name:** University 11 RE  
**Lease Number:**  
**Well Number:** 932HA  
**Total Vertical Depth:** 9000  
**Latitude:** 31.215619  
**Longitude:** -101.502487  
**Datum:** NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-10; Section-33

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 the base of the Santa Rosa, which is estimated to occur at a depth between 800 and 850 feet, must be protected.

This recommendation is applicable for all wells drilled in this SE/4 of sec. 33.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

This determination is based on information provided when the application was submitted on 03/16/2017. 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

NAD 27, Central Zone 4203

Surface Hole Location (Sec. 33)

Latitude: 31.215620° N

Longitude: 101.502359° W

X=1634571.51

Y=565251.81

Elev.=2666'

549' FSL & 527' FEL

Point of Penetration (Sec. 33)

Latitude: 31.214146° N

Longitude: 101.501745° W

X=1634757.96

Y=564713.67

15' FSL & 330' FEL

First Take Point (Sec. 4)

Latitude: 31.213850° N

Longitude: 101.501748° W

X=1634755.62

Y=564598.69

100' FNL & 330' FEL

Last Take Point (Sec. 9)

Latitude: 31.185233° N

Longitude: 101.502077° W

X=1634543.75

Y=554199.82

100' FSL & 331' FEL

Bottom Hole Location (Sec. 9)

Latitude: 31.185000° N

Longitude: 101.502079° W

X=1634542.02

Y=554114.84

15' FSL & 331' FEL

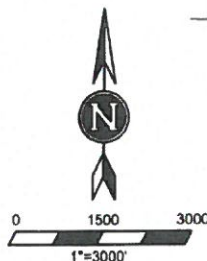


Well Name  
UNIVERSITY 11 RE 936HS

Drilling Field  
LIN (WOLFCAMP) FIELD

Nearest Town

2.97 MILES NORTHWEST OF BIG LAKE, TEXAS



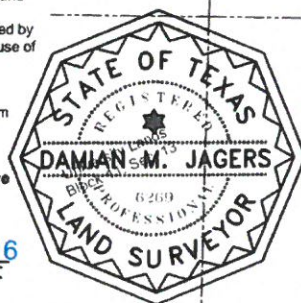
NOTE: This Plat does not, in anyway represent a "Boundary Survey", and does not comply with the current T.B.P.L.S. Minimum Standards of Procedures for Boundary Survey. Acreage shown herein were furnished by others. The information contained on this plat is intended for the sole use of PERMIAN RESOURCES, LLC.

NOTE: Bearings and coordinates refer to the Texas Coordinate System of 1927, Central Zone (4203), as observed by GPS observations

I, Damian M. Jagers do hereby certify that the above described well location was surveyed on the ground under my supervision, as shown.

*Damian M. Jagers* 1/10/2016

Damian M. Jagers  
REGISTERED PROFESSIONAL LAND SURVEYOR  
TEXAS REGISTRATION NO. 6269



1801 Derrinwood St. Longview, TX 75601  
Phone: 254-905-9088  
email: cross@xtssurveying.com  
web: www.xtssurveying.net

Draft Date	12-13-16
Drawn By	D. Jagers
Revised By	
Reviewed By	B. Weisinger

Well Plat  
For  
Permian Resources, LLC

University 11 RE 936HS  
University Lands Block 11, Section 4  
University Lands Block 11, Section 9  
University Lands Block 11, Section 3  
University Lands Block 11, Section 15  
University Lands Block 11, Section 10  
University Lands Block 11, Section 7  
Reagan County, Texas

Tract	Lessor	Called Acreage	% of Total
1	University Lands	320.3750 Acres	9.9656
2	University Lands	641.5000 Acres	19.9544
3	University Lands	641.5000 Acres	19.9544
4	University Lands	641.5000 Acres	19.9544
5	University Lands	641.5000 Acres	19.9544
6	University Lands	328.4500 Acres	10.2168
Total		3214.8250 Acres	100.0000

University Lands  
Block 11, Sec. 1

University Lands  
Block 10, Sec. 35

University Lands  
Block 10, Sec. 34

University Lands  
Block 10, Sec. 33

University Lands  
Block 10, Sec. 32

University Lands  
Block 10, Sec. 31

University Lands  
Block 11, Sec. 2

University Lands  
Block 11, Sec. 3

University Lands  
Block 11, Sec. 4

University Lands  
Block 11, Sec. 5

University Lands  
Block 11, Sec. 6

X=1619150.83  
Y=559712.31

X=1624426.51  
Y=559606.21

X=1619097.07  
Y=557063.29

X=1624372.54  
Y=556957.32

X=1624318.57  
Y=554308.42

University Lands  
Block 11, Sec. 14

University Lands  
Block 11, Sec. 15

University Lands  
Block 11, Sec. 16

University Lands  
Block 11, Sec. 17

University Lands  
Block 11, Sec. 18

SHL 549'  
15'  
100'  
549'  
330'  
Found Disturbed Concrete Marker  
X=1635087.59  
Y=564692.04  
330'  
X=1634872.32  
Y=554093.10  
331'  
331'  
BHL  
188'  
University 11 RE 932HA  
University 11 RE 976HE  
University 11 RE 1040103  
University 11 RE 936HS (FTP-LP-S-107 W 1040103)

University 11 RE 1006HS // 1007HA

3214.825 Acres  
UNIVERSITY 11 RE UNIT