

API No, <u>42-495-33990</u> Drilling Permit # <u>833161</u> SWR Exception Case/Docket No, _____		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <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>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. <u>562560</u>		2. Operator's Name (as shown on form P-5, Organization Report) MEWBOURNE OIL COMPANY		3. Operator Address (include street, city, state, zip): BOX 7698 TYLER, TX 75711-0000			
4. Lease Name UNIVERSITY B21 5		5. Well No. W101PA					
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 <u>12300</u>		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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <u>08</u>		12. County WINKLER		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>5.5</u> miles in a <u>NW</u> direction from <u>Wink</u> which is the nearest town in the county of the well site.							
15. Section <u>5</u>	16. Block <u>21</u>	17. Survey <u>UL</u>		18. Abstract No. <u>A-U45</u>	19. Distance to nearest lease line: <u>200</u> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>641.3</u>	
21. Lease Perpendiculars: <u>180</u> ft from the <u>SOUTH</u> line and <u>1500</u> ft from the <u>EAST</u> line.		22. Survey Perpendiculars: <u>180</u> ft from the <u>SOUTH</u> line and <u>1500</u> ft from the <u>EAST</u> line.					
23. Is this a pooled unit? <input type="checkbox"/> Yes <input checked="" 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	
<u>08</u>	<u>71052900</u>	<u>PHANTOM (WOLFCAMP)</u>		<u>Oil or Gas Well</u>	<u>12300</u>	<u>719.00</u>	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
<u>Remarks</u> 				<u>Certificate:</u> I certify that information stated in this application is true and complete, to the best of my knowledge. <u>Rebecca Dunn, Consultant</u> <u>Nov 13, 2017</u> Name of filer Date submitted <u>(806)665-0338</u> <u>radunn@cableone.net</u> Phone E-mail Address (OPTIONAL)			
RRC Use Only Data Validation Time Stamp: Nov 20, 2017 4:59 PM(Current Version)							

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

Form W-1H 07/2004
Supplemental Horizontal Well Information

Permit Status: **Approved**
*The RRC has not approved this application.
Duplication or distribution of information is
at the user's own risk.*

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

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Permit # **833161**
Approved Date: **Nov 20, 2017**

1. RRC Operator No. 562560	2. Operator's Name (exactly as shown on form P-5, Organization Report) MEWBOURNE OIL COMPANY	3. Lease Name UNIVERSITY B21 5	4. Well No. W101PA
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 PHANTOM (WOLFCAMP) (Field # 71052900, RRC District 08)			
6. Section 5	7. Block 21	8. Survey UL / A-U45	9. Abstract
			10. County of BHL WINKLER
11. Terminus Lease Line Perpendiculars 200 ft. from the North line. and 500 ft. from the East line			
12. Terminus Survey Line Perpendiculars 200 ft. from the North line. and 500 ft. from the East line			
13. Penetration Point Lease Line Perpendiculars 180 ft. from the South line. and 1500 ft. from the East line			

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

WINKLER (495) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
RUSTLER	725	725	possible flow; possible usable quality water	1	12/17/2013
COLBY-QUEEN	2,900	3,200		2	12/17/2013
YATES	2,280	3,200		3	12/17/2013
QUEEN-SEVEN RIVERS	2,700	3,400		4	12/17/2013
SAN ANDRES	3,600	4,400	high flows, H2S, corrosive	5	12/17/2013
HOLT	4,500	4,800		6	12/17/2013
DELAWARE	4,300	5,000		7	12/17/2013
GLORIETA	4,900	5,600		8	12/17/2013
CLEARFORK	4,750	6,200		9	12/17/2013
WICHITA ALBANY	6,600	6,850		10	12/17/2013
BRUSHY CANYON	7,300	7,300		11	12/17/2013
CHERRY CANYON	6,000	7,800		12	12/17/2013
CANYON	8,400	8,400		13	12/17/2013
BONE SPRINGS	9,000	9,800		14	12/17/2013
MONTOYA	10,300	10,300		15	12/17/2013
WADDELL	11,000	11,000		16	12/17/2013
WOLFCAMP	7,600	12,400		17	12/17/2013
ATOKA	12,900	12,900		18	12/17/2013
STRAWN	8,100	14,800		19	12/17/2013
PENNSYLVANIAN	8,000	15,500		20	12/17/2013
MISSISSIPPIAN	10,200	17,300		21	12/17/2013
DEVONIAN	7,900	17,800		22	12/17/2013
SILURIAN	8,500	18,000		23	12/17/2013
FUSSELMAN	9,700	18,800		24	12/17/2013
ELLENBURGER	9,500	21,400		25	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 Advisory Unit

Date Issued: 09 November 2017 **GAU Number:** 183417

Attention:	MEWBOURNE OIL COMPANY BOX 7698 TYLER, TX 75711	API Number:	49533966
Operator No.:	562560	County:	WINKLER
		Lease Name:	UNIVERSITY B21 5
		Lease Number:	
		Well Number:	W101OB
		Total Vertical Depth:	12300
		Latitude:	31.756410
		Longitude:	-103.253633
		Datum:	NAD27

Purpose: New Drill
Location: Survey-UL; Abstract-U45; Block-21; Section-5

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 Alluvium, which is estimated to occur at a depth of 400 feet, must be protected.

This recommendation is applicable to all wells within a radius of 1000 feet of this location.

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 11/07/2017. 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

(F-138902)

43

44 (F-137479)

GRID N: (Y)775003.792
GRID E: (X)1087373.636

6

5

MEWBOURNE OIL COMPANY

641.3 Acres

Block 21, University Lands Survey Winkler County, Texas

641.3 ACRE LEASE

Surface Hole Location (SHL)/
Penetration Point (PP)
GRID N: (Y)771962.014
GRID E: (X)1092435.812
NAD'83 Lat/Long
Lat: +31°45'23.693"N
Lon: -103°15'14.142"W

200'

45 (F-138423)

GRID N: 777285.212
GRID E: 1092442.765

BHL/LTP/
Terminus

GRID N: (Y)770728.342
GRID E: (X)1088856.473

University B21 5

#W101MD

University B21 5

University B21 5

#W101NC

#W101OB

First Take Point (FTP)
550' FSL & 831' FEL

4

GRID N: 772210.046
GRID E: 1093926.073

7

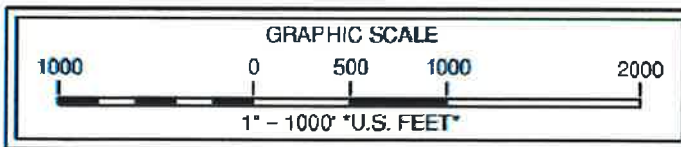
180'

1500'

8

9

KOP
180' FSL & 1010' FEL



Note: Well is located 5.5 miles Northwest of the city of Wink, Texas.

Note: Survey Reconstruction filed in the Office of Pennell & Marlowe Land Surveyors, Inc.

Note: Coordinates shown herein are on The Texas Coordinate System of 1927, Central Zone.

Note: Bearings and distances are based on The Texas Coordinate System of 1927, Central Zone.

Note: Example: (S-99999) indicates General Land Office file number.

Revised 10/04/2017 - SPM

USGS Quadrangle Sheet: Cheyenne Draw SE, Tex.

Railroad Commission Permit Plat



August 23, 2017

170823JRI-BCL

MEWBOURNE OIL COMPANY

University B21 5 #W101PA

180' FROM SOUTH LINE

1500' FROM EAST LINE

University B21 5 Lease

641.3 Acres being all of

Section 5, Block 21

University Lands Survey

Winkler County, Texas

Scale: 1" = 1000'

P.O. Box 51887, Midland, Texas, 79710 (432) 262-0901 Fax (432) 262-0679

REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5715

Stephen P. Marlowe