

API No. <u>42-495-33830</u>		<b>RAILROAD COMMISSION OF TEXAS OIL &amp; GAS DIVISION</b>				<b>FORM W-1</b> 07/2004	
Drilling Permit # <u>824601</u>		<b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b>				Permit Status: <u>Approved</u>	
SWR Exception Case/Docket No. _____		<i>This facsimile W-1 was generated electronically from data submitted to the RRC. A certification of the automated data is available in the RRC's Austin office.</i>					
1. RRC Operator No. <u>562560</u>		2. Operator's Name (as shown on form P-5, Organization Report) <b>MEWBOURNE OIL COMPANY</b>			3. Operator Address (include street, city, state, zip): <b>BOX 7698 TYLER, TX 75711-0000</b>		
4. Lease Name <b>UNIVERSITY B20 12/13</b>			5. Well No. <u>W101DD</u>				
<b>GENERAL INFORMATION</b>							
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>12500</u>		9. Do you have the right to develop the minerals under <b>any right-of-way</b> ? <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		
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>							
11. RRC District No. <u>08</u>		12. County <b>WINKLER</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>8.2</u> miles in a <u>W</u> direction from <u>Wink</u> which is the nearest town in the county of the well site.							
15. Section <u>1</u>	16. Block <u>20</u>	17. Survey <u>UL</u>		18. Abstract No. <u>A-</u>	19. Distance to nearest lease line: <u>200</u> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>180.2</u>	
21. Lease Perpendiculars: <u>465</u> ft from the <u>SOUTH</u> line and <u>330</u> ft from the <u>WEST</u> line.		22. Survey Perpendiculars: <u>465</u> ft from the <u>SOUTH</u> line and <u>330</u> ft from the <u>WEST</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			
<b>FIELD INFORMATION    List all fields of anticipated completion including Wildcat. List one zone per line.</b>							
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	32. Number of Wells on this lease in this Reservoir
<u>08</u>	<u>71052900</u>	<u>PHANTOM (WOLFCAMP)</u>		<u>Oil or Gas Well</u>	<u>12500</u>	<u>0.00</u>	<u>1</u>
<b>BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)</b>							
<b>Remarks</b> [FILER Mar 20, 2017 11:12 AM]: Off-lease PP point. Mewbourne is its own offset, Section 1.				<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>Rebecca Dunn, Consultant</u>		Date submitted: <u>Mar 20, 2017</u>	
				Phone: <u>(806)665-0338</u>		E-mail Address (OPTIONAL): <u>radunn@cableone.net</u>	
<b>RRC Use Only</b> Data Validation Time Stamp: <u>Mar 24, 2017 5:17 PM ('As Approved' Version)</u>							

**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**

*This facsimile W-1 was generated electronically from data submitted to the RRC. A certification of the automated data is available in the RRC's Austin office.*

Permit # 824601

Approved Date: Mar 24, 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 B20 12/13	4. Well No. W101DD
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**Lateral Drainhole Location Information**

5. Field as shown on Form W-1 **PHANTOM (WOLFCAMP) (Field # 71052900, RRC District 08)**

6. Section 13	7. Block 20	8. Survey UL	9. Abstract	10. County of BHL WINKLER
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11. Terminus Lease Line Perpendiculars  
200 ft. from the South line. and 330 ft. from the West line

12. Terminus Survey Line Perpendiculars  
1120 ft. from the North line. and 330 ft. from the West line

13. Penetration Point Lease Line Perpendiculars  
465 ft. from the South line. and 330 ft. from the West 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>824601</b>	DATE PERMIT ISSUED OR AMENDED <b>Mar 24, 2017</b>	DISTRICT <b>* 08</b>		
API NUMBER <b>42-495-33830</b>	FORM W-1 RECEIVED <b>Mar 20, 2017</b>	COUNTY <b>WINKLER</b>		
TYPE OF OPERATION <b>NEW DRILL</b>	WELLBORE PROFILE(S) <b>Horizontal</b>	ACRES <b>180.2</b>		
OPERATOR <b>MEWBOURNE OIL COMPANY BOX 7698 TYLER, TX 75711-0000</b>		562560 <b>NOTICE</b> 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: (432) 684-5581</b>		
LEASE NAME <b>UNIVERSITY B20 12/13</b>		WELL NUMBER <b>W101DD</b>		
LOCATION <b>8.2 miles W direction from WINK</b>		TOTAL DEPTH <b>12500</b>		
Section, Block and/or Survey SECTION ◀ <b>1</b> BLOCK ◀ <b>20</b> ABSTRACT ◀ SURVEY ◀ <b>UL</b>				
DISTANCE TO SURVEY LINES <b>465 ft. SOUTH    330 ft. WEST</b>		DISTANCE TO NEAREST LEASE LINE <b>200 ft.</b>		
DISTANCE TO LEASE LINES <b>465 ft. SOUTH    330 ft. WEST</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	WELL # NEAREST WE	DIST
----- <b>PHANTOM (WOLFCAMP)</b> <b>UNIVERSITY B20 12/13</b>	<b>180.20</b> <b>200</b>	<b>12,500</b> <b>0</b>	<b>W101DD</b>	<b>08</b>
----- WELLBORE PROFILE(S) FOR FIELD: <b>Horizontal</b> -----				
RESTRICTIONS:    This is a hydrogen sulfide field. Hydrogen Sulfide Fields with perforations must be isolated and tested per State Wide Rule 36 and a Form H-9 filed with the district office. Fields with SWR 10 authority to downhole commingle must be isolated and tested individually prior to commingling production.				
Lateral: TH1 Penetration Point Location Lease Lines:            465.0 F SOUTH L 330.0 F WEST L				
Terminus Location BH County: WINKLER Section: 13                      Block: 20                      Abstract: Survey: UL Lease Lines:            200.0 F SOUTH L 330.0 F WEST L Survey Lines:            1120.0 F NORTH L 330.0 F WEST L				
<b>THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</b>				



**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 PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

**Date Issued:** 21 March 2016 **GAU Number:** 152491

<b>Attention:</b>	MEWBOURNE OIL COMPANY	<b>API Number:</b>	
	BOX 7698	<b>County:</b>	WINKLER
	TYLER, TX 75711	<b>Lease Name:</b>	University B20 1
<b>Operator No.:</b>	562560	<b>Lease Number:</b>	
		<b>Well Number:</b>	W101MD
		<b>Total Vertical Depth:</b>	12500
		<b>Latitude:</b>	31.745417
		<b>Longitude:</b>	-103.296686
		<b>Datum:</b>	NAD27

**Purpose:** New Drill

**Location:** Survey-UL; Block-20; Section-1

*465' FSL & 330' FWL*

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 325 feet, must be protected.

This recommendation is applicable for all wells drilled in this Section 1 on this Lease.

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 03/17/2016. 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

*3/23/17 - per <sup>Mary</sup> Midland RRC - CAN use this GW-2:  
#W101MD has same SHL as University B20 12/13 #W101DD.*

# Block 20, University Lands Survey Winkler County, Texas

GRID N:(Y) 767764.925  
GRID E:(X) 1078718.122

6  
GRID N: 769246.639  
GRID E: 1083786.874

N 73°42'21" E 5280.23'

12 7

330'  
465'  
2  
#W101DD SHL/PP  
EL. 2826  
11  
330'  
FTP  
MEWBOURNE OIL COMPANY  
200'

GRID N: 768505.782  
GRID E: 1081252.498

Surface Hole Location (SHL)  
GRID N: 768304.110  
GRID E: 1070904.043  
NAD'83 Lat/Long  
Lat: +31.745546°  
Long: -103.297135°

First Take Point (FTP)/  
GRID N: (Y)767665.788  
GRID E: (X)1079090.513  
NAD'83 Lat/Long  
Lat: 31.743805° N  
Long: 103.296481° W

Bottom Hole Location (BHL)/  
Last Take Point (LTP)/Terminus  
GRID N: 761706.966  
GRID E: 1080891.331  
NAD'83 Lat/Long  
Lat: +31.727557°  
Long: -103.290373°

S 16°-17'04" E 5287.93'

S 16°-17'07" E 6207.90' (PP to LTP/BHL)

TRACT #1:  
140.152 ACRES

180.196 ACRE

University B20 12/13

N 73°42'01" E 5278.82'

GRID N: 762689.388  
GRID E: 1080200.447

GRID N: 763429.549  
GRID E: 1082734.587

13  
GRID N: 764170.901  
GRID E: 1085269.237  
18

POOLED UNIT

14

TRACT #2:  
40.044 ACRES  
BHL/LTP/  
Terminus

330'

200'

N 16°-17'22" W 5287.28'

Driving Directions to Location:  
From intersection of Hwy 115 and  
FM 1232 in Wink, Texas;  
Drive Northwest on FM1232, 1.5  
miles to CR 201;  
Turn left (West) on to CR 201, drive  
6.8 miles to lease road at Lat:  
31°43'47.78", Long: 103°17'35.40";  
Turn right (North) on to lease road,  
drive 0.9 miles to lease road;  
Turn left (West) on to lease road,  
drive 0.3 miles to Lat: 31°44'44.21",  
Long: 103°17'46.84";  
Location is left (West) 265 feet.

N 16°-17'10" W 5287.32'

University B20 12/13

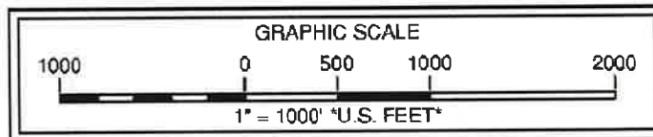
GRID N: 758353.038  
GRID E: 1084217.259

GRID N: 757614.353  
GRID E: 1081683.472

N 73°42'03" E 5278.51'

24  
GRID N: 759095.788  
GRID E: 1086749.830  
19

23



Note: Well location is 8.2 miles West 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.



*Stephen P. Marlowe*  
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 5715

January 11, 2016

160111B4-KRM

Revised: 03/15/2017-KRM  
USGS Quadrangle Sheet: Soda Lake NE, Tex.

Railroad Commission Permit Plat  
MEWBOURNE OIL COMPANY  
University B20 12/13 #W101DD  
465' FROM SOUTH LINE  
330' FROM WEST LINE  
of Section 1, Block 20  
University B20 12/13 Lease

Section 12 & 13, Block 20  
University Lands Survey  
Winkler County, Texas

Scale: 1" = 1000'