

API No. <u>42-495-33830</u> Drilling Permit # <u>824601</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 B20 12/13		5. Well No. W101DD					
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 12500		9. Do you have the right to develop the minerals under <u>any right-of-way</u> ? <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. 08		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>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 1	16. Block 20	17. Survey UL	18. Abstract No. A-	19. Distance to nearest lease line: 200 ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: 180.2		
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			
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	32. Number of Wells on this lease in this Reservoir	
08	71052900	PHANTOM (WOLFCAMP)	Oil or Gas Well	12500	0.00	1	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment) <div style="display: flex; justify-content: space-between;"> <div style="width: 55%;"> Remarks [FILER Mar 20, 2017 11:12 AM]: Off-lease PP point. Mewbourne is its own offset, Section 1. </div> <div style="width: 40%;"> Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <div style="display: flex; justify-content: space-between;"> <div> <u>Rebecca Dunn, Consultant</u> Name of filer </div> <div> <u>Mar 20, 2017</u> Date submitted </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(806)665-0338</u> Phone </div> <div> <u>radunn@cableone.net</u> E-mail Address (OPTIONAL) </div> </div> </div> </div>							
RRC Use Only Data Validation Time Stamp: Mar 24, 2017 5:17 PM('As Approved' Version)							

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

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

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

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
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	
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 824601	DATE PERMIT ISSUED OR AMENDED Mar 24, 2017	DISTRICT * 08
API NUMBER 42-495-33830	FORM W-1 RECEIVED Mar 20, 2017	COUNTY WINKLER
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 180.2
OPERATOR MEWBOURNE OIL COMPANY BOX 7698 TYLER, TX 75711-0000		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (432) 684-5581
LEASE NAME UNIVERSITY B20 12/13		WELL NUMBER W101DD
LOCATION 8.2 miles W direction from WINK		TOTAL DEPTH 12500
Section, Block and/or Survey SECTION 1 BLOCK 20 ABSTRACT 1 SURVEY UL		
DISTANCE TO SURVEY LINES 465 ft. SOUTH 330 ft. WEST		DISTANCE TO NEAREST LEASE LINE 200 ft.
DISTANCE TO LEASE LINES 465 ft. SOUTH 330 ft. WEST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>		
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST LEASE
PHANTOM (WOLFCAMP) UNIVERSITY B20 12/13	180.20 200	12,500 0
WELL # NEAREST WE W101DD		
DIST 08		
WELLBORE PROFILE(S) FOR FIELD: Horizontal		
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		
THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS		

**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 824601	DATE PERMIT ISSUED OR AMENDED Mar 24, 2017	DISTRICT * 08
API NUMBER 42-495-33830	FORM W-1 RECEIVED Mar 20, 2017	COUNTY WINKLER
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 180.2
OPERATOR MEWBOURNE OIL COMPANY BOX 7698 TYLER, TX 75711-0000		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. District Office Telephone No: (432) 684-5581
LEASE NAME UNIVERSITY B20 12/13		WELL NUMBER W101DD
LOCATION 8.2 miles W direction from WINK		TOTAL DEPTH 12500
Section, Block and/or Survey SECTION ◀ 1 BLOCK ◀ 20 ABSTRACT ◀ SURVEY ◀ UL		
DISTANCE TO SURVEY LINES 465 ft. SOUTH 330 ft. WEST		DISTANCE TO NEAREST LEASE LINE 200 ft.
DISTANCE TO LEASE LINES 465 ft. SOUTH 330 ft. WEST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>		
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST WE
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. 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.		

**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

Attention: MEWBOURNE OIL COMPANY
BOX 7698
TYLER, TX 75711

Operator No.: 562560

API Number:
County: WINKLER
Lease Name: University B20 1
Lease Number:
Well Number: W101MD
Total Vertical Depth: 12500
Latitude: 31.745417
Longitude: -103.296686
Datum: NAD27

Purpose: New Drill

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

465' FSL or 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
Rev. 02/2014

P.O. Box 12967 Austin, Texas 78771-2967

512-463-2741

Internet address: www.rrc.texas.gov

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

6
GRID N: 769246.639
GRID E: 1083786.874

6
GRID N: 769246.639
GRID E: 1083786.874

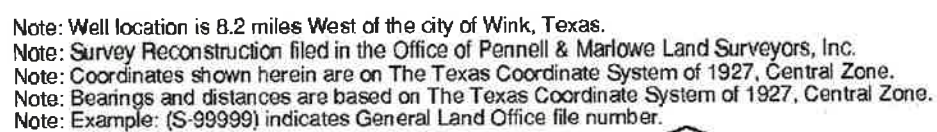
12	7
----	---

Bottom Hole Location (BHL)/
Last Take Point (LTP)/Terminus
GRID N: 761706.966
GRID E: 1060831.331
NAD'83 Lat/Long
Lat: +31.727557°
Long: -103.290373°

13	GRID N: 764170.901 GRID E: 1085269.237 18
----	---

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°43'47.70", 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.

24	GRID N: 759095.788 GRID E: 1086749.830 19
----	---



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'

January 11, 2016

16Q111B4-KRM

P.O. Box 51887, Midland, Texas 79710 (432) 262-0901 Fax (432) 262-0679 Firm #100201-00