

API No. <u>42-003-42376</u> Drilling Permit # <u>707068</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>172232</b>		2. Operator's Name (as shown on form P-5, Organization Report) <b>CONOCOPHILLIPS COMPANY</b>			3. Operator Address (include street, city, state, zip):		
4. Lease Name <b>UNIVERSITY ANDREWS</b>			5. Well No. <b>163</b>				
<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 checked="" type="checkbox"/> Vertical <input 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>7330</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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>							
11. RRC District No. <b>08</b>		12. County <b>ANDREWS</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>16</u> miles in a <u>SW</u> direction from <u>Andrews</u> which is the nearest town in the county of the well site.							
15. Section <b>19</b>	16. Block <b>10</b>	17. Survey <b>UL</b>		18. Abstract No. <b>A-</b>	19. Distance to nearest lease line: <b>820</b> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <b>4223.2</b>	
21. Lease Perpendiculars: <u>820</u> ft from the <u>NORTH</u> line and <u>1980</u> ft from the <u>EAST</u> line. 22. Survey Perpendiculars: <u>820</u> ft from the <u>NORTH</u> line and <u>1980</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			
<b>FIELD INFORMATION</b> 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	
08	28843666	EMBAR (PERMIAN)		Oil Well	7200	1125.00	
<b>BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS</b>							
<b>Remarks</b> [FILER Dec 14, 2010 3:08 PM]: W-1 filed to re-permit, previous permit (667781) had expired.				<b>Certificate:</b> 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>Alva Franco, Regulatory Specialist</u>            Name of filer  <u>(432)6886906</u>            Phone         </div> <div> <u>Dec 14, 2010</u>            Date submitted  <u>Alva.Franco@conocophillips.com</u>            E-mail Address (OPTIONAL)         </div> </div>			
<b>RRC Use Only</b>							
Data Validation Time Stamp: Dec 21, 2010 10:42 AM( Current Version )							

**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>707068</b>	DATE PERMIT ISSUED OR AMENDED <b>Dec 16, 2010</b>	DISTRICT <b>* 08</b>	
API NUMBER <b>42-003-42376</b>	FORM W-1 RECEIVED <b>Dec 14, 2010</b>	COUNTY <b>ANDREWS</b>	
TYPE OF OPERATION <b>NEW DRILL</b>	WELLBORE PROFILE(S) <b>Vertical</b>	ACRES <b>4223.2</b>	
OPERATOR <b>CONOCOPHILLIPS COMPANY</b>		172232 <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:</b> <b>(432) 684-5581</b>	
LEASE NAME <b>UNIVERSITY ANDREWS</b>		WELL NUMBER <b>163</b>	
LOCATION <b>16 miles SW direction from ANDREWS</b>		TOTAL DEPTH <b>7330</b>	
Section, Block and/or Survey SECTION <b>19</b> BLOCK <b>10</b> ABSTRACT <b></b> SURVEY <b>UL</b>			
DISTANCE TO SURVEY LINES <b>820 ft. NORTH    1980 ft. EAST</b>		DISTANCE TO NEAREST LEASE LINE <b>820 ft.</b>	
DISTANCE TO LEASE LINES <b>820 ft. NORTH    1980 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
WELL # NEAREST WE		DIST 	
----- <b>EMBAR (PERMIAN)</b> <b>UNIVERSITY ANDREWS</b>		----- <b>4223.20</b> <b>820</b>	----- <b>7,200</b> <b>1125</b>
RESTRICTIONS:    Permitted for oil only. This is a hydrogen sulfide field.    This well shall be drilled in accordance with SWR 36.			
<p align="center"><b>THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</b></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.			

PLEASE  
DO NOT STAPLE

## DEPTH OF USABLE-QUALITY GROUND WATER TO BE PROTECTED

### PLEASE READ ALL INSTRUCTIONS

The information requested is essential in order for this agency to provide an appropriate response. Please allow for receipt of this form in our offices at least two weeks before your operation begins. Due to the volume of these requests, at times, it may be difficult for us to handle telephone inquiries. Complete, keep the bottom sheet (goldenrod) for your files, and mail the top 3 sheets of the 4-sheet set of carbon-backed forms with a map to the address below. One sheet bearing our response will be returned to you. Another will be sent to the appropriate district office of the Railroad Commission. Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282. If you have questions on how to fill out this form or about the Surface Casing program, please contact us at 512/239-0515.

Surface Casing - MC 151

Date 9/13/06

TCEQ File No.: SC-

12037

TCEQ

P.O. Box 13087

Austin, TX 78711-3087

Gay Thomas (432) 368-1217  
Name of person preparing this request & phone No. (with area code)

ConocoPhillips Company

Company (operator's name as on RRC form W-1)

3300 N. "A" St. Bldg. 6

Mailing Address

Midland, TX 79705

City and State

ZIP Code

FOR TCEQ USE ONLY

### ALWAYS INCLUDE A MAP SHOWING YOUR WELL SITE AND ALL SURROUNDING SURVEYS

COUNTY Andrews Survey Name LL  
Block No. 10 Township \_\_\_\_\_ Section or Survey No. 19 (or) Lot No. \_\_\_\_\_  
Abstract No. A- \_\_\_\_\_ LEASE Name University Andrews Well No. 163  
Distances, in feet, and directions measured at right angles from each of two intersecting ☒ Section or ☐ Survey lines  
(NOT LEASE LINES) 820' feet from North line and 1980' feet from East line.  
Distance (in miles) and direction from a nearby town in this County (name the town) \_\_\_\_\_  
16 miles NW of Andrews, TX

#### THE ABOVE INFORMATION IN THIS BLOCK MUST BE COMPLETE AND CORRECT

API # \_\_\_\_\_ RRC Lease No. 01270 RRC Dist. No. 08  
GPS Coord. (long/lat or X-Y state plane) X: 383,544.2 Y: 216,014.9 NAD \_\_\_\_\_

Elevation 3252' Total Depth 6850' Geologic Fm. at T.D. Embar (Permian)

Purpose of the Request: ☒ New Drill ☐ Re-entry ☐ Plug & Abandon ☐ Other (specify) \_\_\_\_\_

Is this an amended request? ☐ Yes ☐ No Previous File No. for this well: SC- \_\_\_\_\_

☐ Log included of same or nearby well (The applicable type of well log that shows the aquifers.) Please provide a location map or API# for attached log.

### ALWAYS attach the electric log of any well that is to be reentered.

Additional remarks: please provide lease line recommendation (d)

To protect usable-quality ground water at this location, the TEXAS COMMISSION ON ENVIRONMENTAL QUALITY recommends:

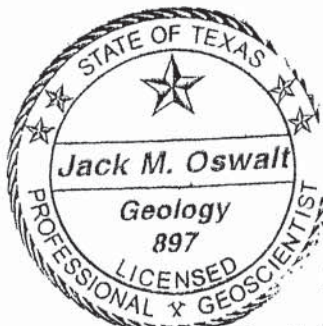
CO-ANDREWS, SUR-UL, BLK-10, SEC-19, LSE-UNIVERSITY ANDREWS, #11, 39/250, ZONE, 925, 1200; ...

The interval from the land surface to a depth of 250 feet, and the ZONE from 925 to 1200 feet must be protected.

This recommendation is applicable for all wells drilled in this SECTION 19.

Very truly yours,

Jack M. Oswalt, P.G.



Date

September 29, 2006

typed by TCEQ

Geologist, Surface Casing, TCEQ

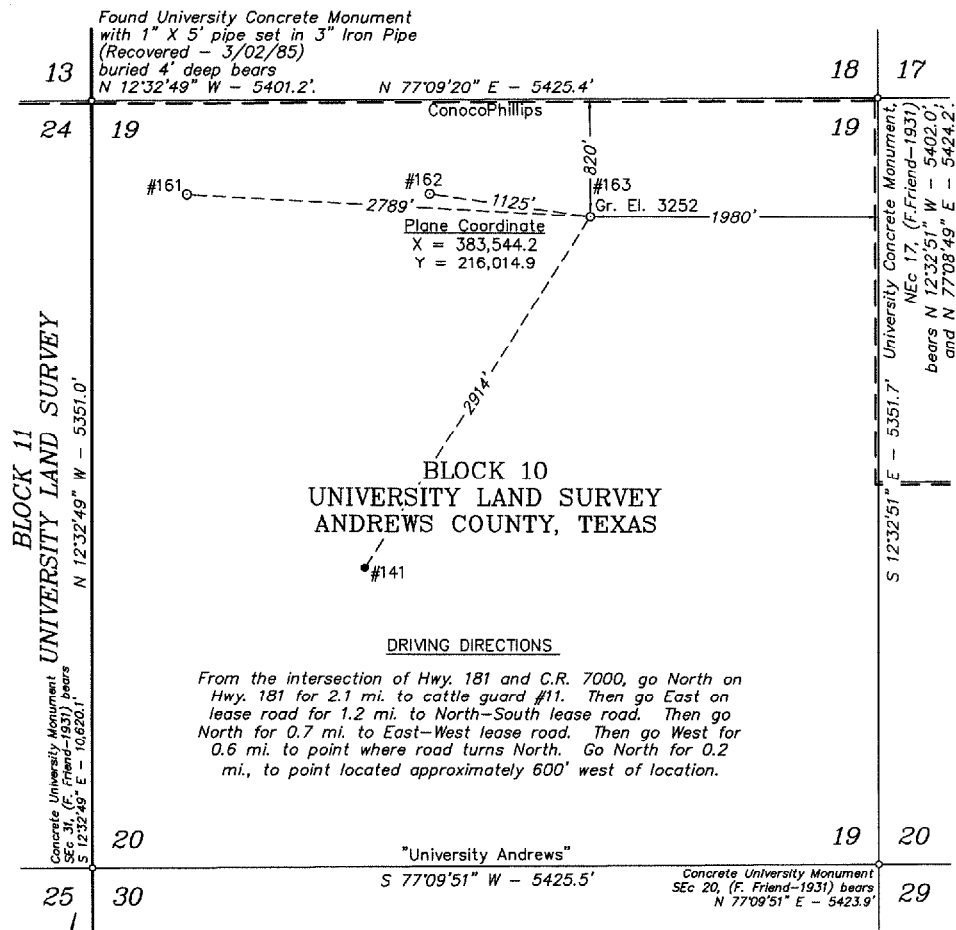
NOTE: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Approval of the well-completion methods for protection of this ground water falls under the jurisdiction of the Railroad Commission of Texas. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operations into a nonproductive zone (RRC Form W-14).

FOLD

TYPE OR PRINT IN INK

FOLD

DO NOT WRITE HERE  
FOR TCEQ USE ONLY



**BLOCK 10  
UNIVERSITY LAND SURVEY  
ANDREWS COUNTY, TEXAS**

**DRIVING DIRECTIONS**

From the intersection of Hwy. 181 and C.R. 7000, go North on Hwy. 181 for 2.1 mi. to cattle guard #11. Then go East on lease road for 1.2 mi. to North-South lease road. Then go North for 0.7 mi. to East-West lease road. Then go West for 0.6 mi. to point where road turns North. Go North for 0.2 mi., to point located approximately 600' west of location.

Date Surveyed: June 25, 2008  
Weather: Hot & Clear

**LEGEND**

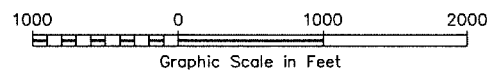
- - Denotes Proposed Well Location
- - Denotes Producing Well Location
- - Denotes Calculated Corner this Survey
- - Denotes Unit Boundary Line

The University Andrews #163 is located approximately 16 miles Southwest of Andrews, Texas.

**NOTE:**

- 1) Plane Coordinates and Bearings shown hereon are Lambert Grid and Conform to the "Texas Coordinate System", Texas North Central Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.
- 2) Geodetic Coordinate shown hereon references the North American Datum of 1927, (Clarke Spheroid of 1866). Reference Stations - "ROSWELL" - CORS (DG6517), "SUMMERFIELD 1" - CORS (AJ1814) and "JAYTON" - CORS (AF9637).
- 3) See information filed in the office of this Surveyor which describes the reconstruction of this Section.

Geodetic Coordinate  
Latitude = 32°08'59.69" N  
Longitude = 102°43'28.85" W



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE SURVEY MADE UNDER MY SUPERVISION.

J. FRANK NEWMAN  
MAON McDONALD  
R. CRAIG ALDERMAN  
TEXAS R.P.L.S. No. 5019  
TEXAS R.P.L.S. No. 4398  
TEXAS R.P.L.S. No. 5285

**WEST COMPANY  
of Midland, Inc.**

110 W. LOUISIANA, STE. 110  
MIDLAND TEXAS, 79701  
(432) 687-0865 - (432) 687-0868 FAX

**CONOCOPHILLIPS**

**Location of the  
UNIVERSITY ANDREWS #163**  
820' FNL & 1980' FEL  
Section 19, Block 10,  
University Land Survey  
Andrews County, Texas

Drawn By: ALC	Date: July 14, 2008
Scale: 1"=1000'	Field Book: 405/ 44-47
Revision Date:	Quadrangle: North Cowden NW
W.O. No: 2008-0747	Dwg. No.: 2008-0747