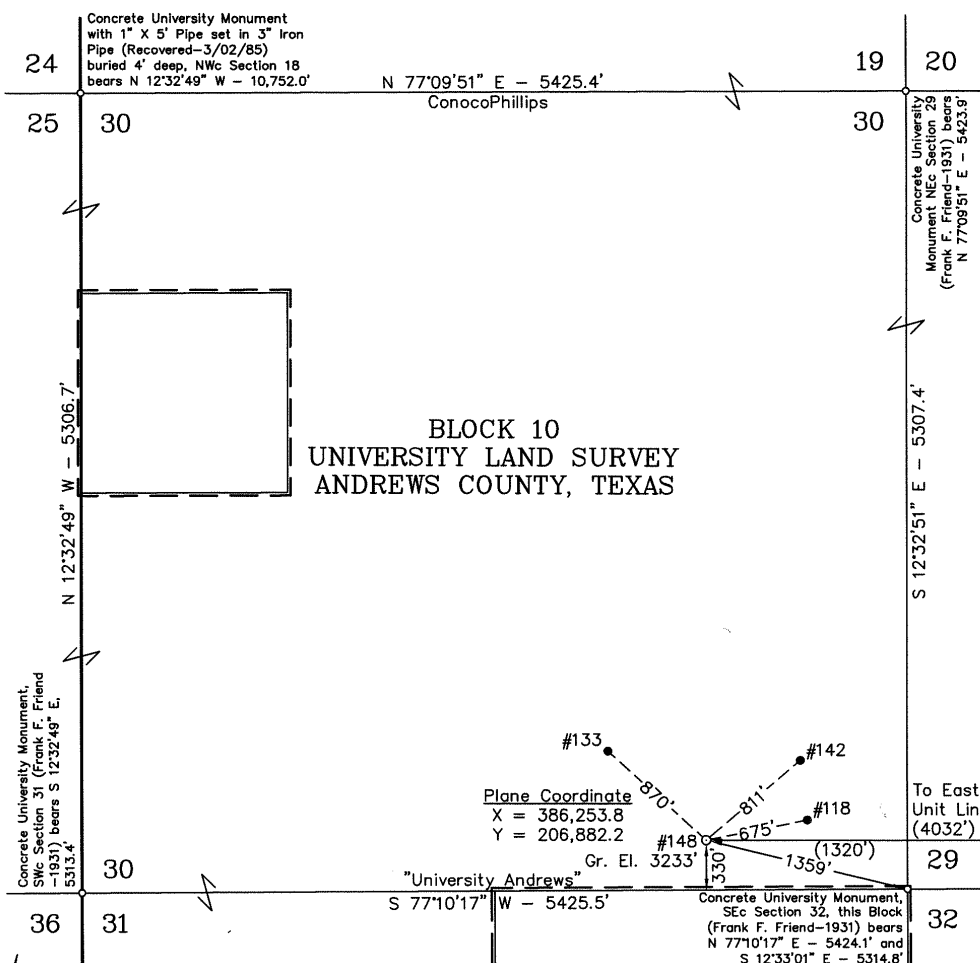


API No. <u>42-003-40687</u> Drilling Permit # <u>667099</u> SWR Exception Case/Docket No. _____		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification 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. 172232		2. Operator's Name (as shown on form P-5, Organization Report) CONOCOPHILLIPS COMPANY			3. Operator Address (include street, city, state, zip):		
4. Lease Name UNIVERSITY ANDREWS			5. Well No. 148				
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 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 6750		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. 08		12. County ANDREWS		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>17</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 30	16. Block 10	17. Survey UL		18. Abstract No. A-	19. Distance to nearest lease line: 330 ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: 4223.2	
21. Lease Perpendiculars: <u>330</u> ft from the <u>SOUTH</u> line and <u>4032</u> ft from the <u>EAST</u> line. 22. Survey Perpendiculars: <u>330</u> ft from the <u>SOUTH</u> line and <u>1320</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	
08	28843666	EMBAR (PERMIAN)		Oil Well	5300	675.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS							
Remarks [RRC STAFF Jul 23, 2008 8:56 AM]: Well count corrected per Alva.				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>Alva Franco, Regulatory Specialist</u> Name of filer </div> <div> <u>Jul 18, 2008</u> Date submitted </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(432)6886906</u> Phone </div> <div> <u>Alva.Franco@conocophillips.com</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only							
Data Validation Time Stamp: Aug 7, 2008 8:06 AM(Current Version)							

BLOCK 11
UNIVERSITY LAND SURVEY



Date Surveyed: May 15, 2008
Weather: Cool & Clear

LEGEND

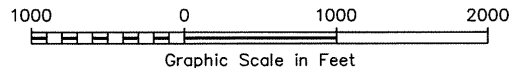
- - Denotes Proposed Well Location
- - Denotes Producing Well Location
- ⊙ - Denotes Found Monument (As Described)
- - Denotes Calculated Corner this Survey

The University Andrews #148 is located approximately 17 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°07'30.76" N
Longitude = 102°42'52.11" 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 TEXAS R.P.L.S. No. 5011
MACON McDONALD TEXAS R.P.L.S. No. 4398
R. CRAIG ALDERMAN 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 #148

330' FSL & 1320' FEL
Section 30, Block 10
University Land Survey
Andrews County, Texas

Drawn By: LVA	Date: May 27, 2008
Scale: 1"=1000'	Field Book: 405 / 30-38
Revision Date:	Quadrangle: North Cowden NW
W.O. No: 2008-0549	Dwg. No.: 2008-0549

**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;">667099</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: center;">Aug 06, 2008</div>	DISTRICT <div style="text-align: center;">* 08</div>																					
API NUMBER <div style="text-align: right;">42-003-40687</div>	FORM W-1 RECEIVED <div style="text-align: center;">Jul 18, 2008</div>	COUNTY <div style="text-align: center;">ANDREWS</div>																					
TYPE OF OPERATION <div style="text-align: center;">NEW DRILL</div>	WELLBORE PROFILE(S) <div style="text-align: center;">Vertical</div>	ACRES <div style="text-align: center;">4223.2</div>																					
OPERATOR <div style="text-align: center;">CONOCOPHILLIPS COMPANY</div>		<div style="text-align: right;">172232</div>	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: <div style="text-align: center;">(432) 684-5581</div>																				
LEASE NAME <div style="text-align: center;">UNIVERSITY ANDREWS</div>		WELL NUMBER <div style="text-align: center;">148</div>																					
LOCATION <div style="text-align: center;">17 miles SW direction from ANDREWS</div>		TOTAL DEPTH <div style="text-align: center;">6750</div>																					
Section, Block and/or Survey <div style="display: flex; justify-content: space-between;"> <div>SECTION ◀ 30</div> <div>BLOCK ◀ 10</div> <div>ABSTRACT ◀</div> </div> <div style="display: flex; justify-content: space-between;"> <div>SURVEY ◀ UL</div> <div></div> <div></div> </div>																							
DISTANCE TO SURVEY LINES <div style="text-align: center;">330 ft. SOUTH 1320 ft. EAST</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">330 ft.</div>																					
DISTANCE TO LEASE LINES <div style="text-align: center;">330 ft. SOUTH 4032 ft. EAST</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: center;">See FIELD(s) Below</div>																					
FIELD(s) and LIMITATIONS: <div style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</div>																							
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;">FIELD NAME LEASE NAME</th> <th style="width:10%;">ACRES NEAREST LEASE</th> <th style="width:10%;">DEPTH</th> <th style="width:10%;">WELL # NEAREST WE</th> <th style="width:10%;">DIST</th> </tr> </thead> <tbody> <tr> <td>-----</td> <td>-----</td> <td>-----</td> <td>-----</td> <td>---</td> </tr> <tr> <td>EMBAR (PERMIAN)</td> <td>4223.20</td> <td>5,300</td> <td>148</td> <td>08</td> </tr> <tr> <td>UNIVERSITY ANDREWS</td> <td>330</td> <td></td> <td>675</td> <td></td> </tr> </tbody> </table>				FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH	WELL # NEAREST WE	DIST	-----	-----	-----	-----	---	EMBAR (PERMIAN)	4223.20	5,300	148	08	UNIVERSITY ANDREWS	330		675	
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH	WELL # NEAREST WE	DIST																			
-----	-----	-----	-----	---																			
EMBAR (PERMIAN)	4223.20	5,300	148	08																			
UNIVERSITY ANDREWS	330		675																				
RESTRICTIONS: Permitted for oil only. This is a hydrogen sulfide field. This well shall be drilled in accordance with SWR 36.																							
<p align="center">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</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>																							

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
TCEQ
P.O. Box 13087
Austin, TX 78711-3087

Date 9/13/06

TCEQ File No.: SC-

12040

Alva Franco 432-688-6906

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 Street, 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	<u>Andrews</u>	Survey Name	<u>University Land Survey</u>
Block No.	<u>10</u>	Township	<u>Section or Survey No. 30</u> (or) Lot No.
Abstract No. A-	<u>LEASE Name University Andrews</u>	Well No.	<u>1487</u>
Distances, in feet, and directions measured at right angles from each of two intersecting <input checked="" type="checkbox"/> Section or <input type="checkbox"/> Survey lines			
(NOT LEASE LINES) <u>330</u> feet from <u>South</u> line and <u>1320</u> feet from <u>East</u> line.			
Distance (in miles) and direction from a nearby town in this County (name the town)			
<u>Approximately 17 miles Southwest of Andrews, Texas</u>			
THE ABOVE INFORMATION IN THIS BLOCK MUST BE COMPLETE AND CORRECT			
API #	<u>386,253.8</u>	RRC Lease No.	<u>01270</u> RRC Dist. No. <u>08</u>
GPS Coord. (long/lat or X-Y state plane)	<u>206,882.2</u>	NAD	<u>27</u>

Elevation 3233' Total Depth 6650' 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(s)

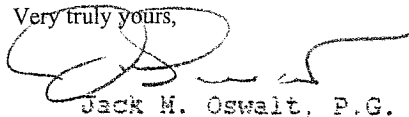
To protect usable-quality ground water at this location, the TEXAS COMMISSION ON ENVIRONMENTAL QUALITY recommends:

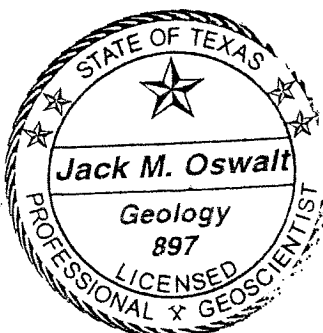
CO-ANDREWS, SUR-UL, BLK-10, SEC-30, LSE-UNIVERSITY ANDREWS, #11, 39/250, ZONE, 900, 1200; ...

The interval from the land surface to a depth of 250 feet, and the ZONE from 900 to 1200 feet must be protected.

This recommendation is applicable for all wells drilled in this SECTION 30.

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

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FOR TCEQ USE ONLY