

API No. <u>42-105-41974</u> Drilling Permit # <u>779073</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. <u>216378</u>		2. Operator's Name (as shown on form P-5, Organization Report) <u>DEVON ENERGY PRODUCTION CO, L.P.</u>		3. Operator Address (include street, city, state, zip): _____ _____ _____		
4. Lease Name <u>UNIVERSITY 50-14</u>		5. Well No. <u>3H</u>				
<b>GENERAL INFORMATION</b>						
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <span><input checked="" type="checkbox"/> New Drill</span> <span><input type="checkbox"/> Recompletion</span> <span><input type="checkbox"/> Reclass</span> <span><input type="checkbox"/> Field Transfer</span> <span><input type="checkbox"/> Re-Enter</span> </div> <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Amended</span> <span><input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)</span> </div>						
7. Wellbore Profile (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <span><input type="checkbox"/> Vertical</span> <span><input checked="" type="checkbox"/> Horizontal (Also File Form W-1H)</span> <span><input type="checkbox"/> Directional (Also File Form W-1D)</span> <span><input type="checkbox"/> Sidetrack</span> </div>						
8. Total Depth <u>9000</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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>						
11. RRC District No. <u>7C</u>		12. County <u>CROCKETT</u>		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>23.37</u> miles in a <u>NW</u> direction from <u>Ozona</u> which is the nearest town in the county of the well site.						
15. Section <u>14</u>		16. Block <u>50</u>		17. Survey <u>UL</u>		
		18. Abstract No. <u>A-U511</u>		19. Distance to nearest lease line: <u>100</u> ft.		
20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>331</u>						
21. Lease Perpendiculars: <u>240</u> ft from the <u>SOUTH</u> line and <u>823</u> ft from the <u>EAST</u> line. 22. Survey Perpendiculars: <u>240</u> ft from the <u>SOUTH</u> line and <u>823</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	
<u>7C</u>	<u>53613750</u>	<u>LIN (WOLFCAMP)</u>	<u>Oil or Gas Well</u>	<u>6900</u>	<u>890.00</u>	
<b>BOTTOMHOLE LOCATION INFORMATION</b> is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)						
<b>Remarks</b> _____ _____ _____			<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>Annette Raines, Regulatory Specialist</u>            Name of filer         </div> <div> <u>Feb 05, 2014</u>            Date submitted         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(405)2288217</u>            Phone         </div> <div> <u>annette.raines@divn.com</u>            E-mail Address (OPTIONAL)         </div> </div>			
<b>RRC Use Only</b> Data Validation Time Stamp: <u>Mar 5, 2014 9:57 AM( Current Version )</u>						

Permit Status: **Approved**

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

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

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

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A certification of the automated data is available in the RRC's Austin office.*

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

Permit # **779073**

Approved Date: **Feb 28, 2014**

1. RRC Operator No. <b>216378</b>	2. Operator's Name (exactly as shown on form P-5, Organization Report) <b>DEVON ENERGY PRODUCTION CO, L.P.</b>	3. Lease Name <b>UNIVERSITY 50-14</b>	4. Well No. <b>3H</b>
<b>Lateral Drainhole Location Information</b>			
5. Field as shown on Form W-1 <b>LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)</b>			
6. Section <b>14</b>	7. Block <b>50</b>	8. Survey <b>UNIVERSITY LAND</b>	9. Abstract
			10. County of BHL <b>CROCKETT</b>
11. Terminus Lease Line Perpendiculars <b>100</b> ft. from the <b>North</b> line. and <b>395</b> ft. from the <b>East</b> line			
12. Terminus Survey Line Perpendiculars <b>100</b> ft. from the <b>North</b> line. and <b>395</b> ft. from the <b>East</b> line			
13. Penetration Point Lease Line Perpendiculars <b>240</b> ft. from the <b>South</b> line. and <b>395</b> ft. from the <b>East</b> 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>779073</b>	DATE PERMIT ISSUED OR AMENDED <b>Feb 28, 2014</b>	DISTRICT <b>* 7C</b>
API NUMBER <b>42-105-41974</b>	FORM W-1 RECEIVED <b>Feb 05, 2014</b>	COUNTY <b>CROCKETT</b>
TYPE OF OPERATION <b>NEW DRILL</b>	WELLBORE PROFILE(S) <b>Horizontal</b>	ACRES <b>331</b>
OPERATOR <b>DEVON ENERGY PRODUCTION CO, L.P.</b>		216378 <b>NOTICE</b> 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: <b>(325) 657-7450</b>
LEASE NAME <b>UNIVERSITY 50-14</b>		WELL NUMBER <b>3H</b>
LOCATION <b>23.37 miles NW direction from OZONA</b>		TOTAL DEPTH <b>9000</b>
Section, Block and/or Survey SECTION ◀ <b>14</b> BLOCK ◀ <b>50</b> ABSTRACT ◀ <b>U511</b> SURVEY ◀ <b>UL</b>		
DISTANCE TO SURVEY LINES <b>240 ft. SOUTH    823 ft. EAST</b>		DISTANCE TO NEAREST LEASE LINE <b>100 ft.</b>
DISTANCE TO LEASE LINES <b>240 ft. SOUTH    823 ft. EAST</b>		DISTANCE TO NEAREST WELL ON LEASE <b>See FIELD(s) Below</b>
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>		
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST WE
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<b>LIN (WOLFCAMP)</b>	<b>331.00</b>	<b>6,900</b>
<b>UNIVERSITY 50-14</b>	<b>100</b>	<b>890</b>
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WELLBORE PROFILE(s) FOR FIELD: <b>Horizontal</b>		
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RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines:            240.0 F SOUTH L 395.0 F EAST L Terminus Location BH County: CROCKETT Section: 14                      Block: 50                      Abstract: Survey: UNIVERSITY LAND Lease Lines:            100.0 F NORTH L 395.0 F EAST L Survey Lines:            100.0 F NORTH L 395.0 F EAST L		
/		
<p align="center"><b>THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</b></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>		

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LEASE NAME <b>UNIVERSITY 50-14</b>		WELL NUMBER <b>3H</b>
LOCATION <b>23.37 miles NW direction from OZONA</b>		TOTAL DEPTH <b>9000</b>
Section, Block and/or Survey SECTION ◀ <b>14</b> BLOCK ◀ <b>50</b> ABSTRACT ◀ <b>U511</b> SURVEY ◀ <b>UL</b>		
DISTANCE TO SURVEY LINES <b>240 ft. SOUTH    823 ft. EAST</b>		DISTANCE TO NEAREST LEASE LINE <b>100 ft.</b>
DISTANCE TO LEASE LINES <b>240 ft. SOUTH    823 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 WE
WELL # NEAREST WE		
DIST		
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**

**CROCKETT (105) County**

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
QUEEN	1,000	2,300		1	12/17/2013
SAN ANDRES	1,000	3,700		2	12/17/2013
LEONARD	3,100	4,200		3	12/17/2013
WOLFCAMP	3,400	6,300		4	12/17/2013
CANYON	4,000	8,800		5	12/17/2013
STRAWN	7,100	11,600		6	12/17/2013
DEVONIAN	8,900	11,900		7	12/17/2013
ELLENBURGER	6,500	13,400		8	12/17/2013

This is a dynamic table that will be updated continuously. It is the operators responsibility to make sure that at time of spudding the well the most current table is being referenced.

Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date February 18, 2014

GAU File No.: SC- 15512

\*\*\*\*\* EXPEDITED APPLICATION \*\*\*\*\*

API Number 10500000

Attention: ANNETTE RAINES

RRC Lease No. 000000

SC\_216378\_10500000\_000000\_15512.pdf

--Measured--

DEVON ENERGY PRODUCTION CO LP  
333 W SHERIDAN AVE  
OKLAHOMA CITY OK 73102

863 ft FEL

240 ft FSL

MRL: SECTION

P-5# 216378

Digital Map Location:

X-coord/Long 101.40883

Y-coord/Lat 30.99664

Datum 83

Zone

County CROCKETT

Lease & Well No. UNIVERSITY 50-14 #2H&PAD

Purpose ND

Location SUR-UL, BLK-50, SEC-14, -- [TD=6900], [RRC 7C],

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

The interval from the land surface to the base of the SANTA ROSA, which is estimated to occur at a depth of 800 feet, must be protected.


This recommendation is applicable to all wells drilled on this pad.

University 50-14 #3H

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, [gau@rrc.state.tx.us](mailto:gau@rrc.state.tx.us), or by mail

Sincerely,

  
Digitally signed by Jack Oswalt  
DN: c=US, st=TEXAS, l=Austin,  
o=Railroad Commission of Texas,  
ou=Groundwater Advisory Unit, cn=Jack  
Oswalt, email=jack.oswalt@rrc.state.tx.us  
Date: 2014.02.18 11:15:37 -0600

Jack M. Oswalt, P.G.

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit  
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 2/18/2014  
Note: Alteration of this electronic document will invalidate the digital signature.



