



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

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 # **797502**  
Approved Date: **Oct 09, 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 43-15</b>	4. Well No. <b>11H</b>
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Lateral Drainhole Location Information

5. Field as shown on Form W-1 **LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)**

6. Section <b>6</b>	7. Block <b>43</b>	8. Survey <b>UL</b>	9. Abstract	10. County of BHL <b>REAGAN</b>
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11. Terminus Lease Line Perpendiculars <b>100</b> ft. from the <b>North</b> line. and <b>1800</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>1800</b> ft. from the <b>East</b> line
13. Penetration Point Lease Line Perpendiculars <b>1760</b> ft. from the <b>South</b> line. and <b>1800</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 797502	DATE PERMIT ISSUED OR AMENDED Oct 09, 2014	DISTRICT * 7C
API NUMBER 42-383-39225	FORM W-1 RECEIVED Oct 01, 2014	COUNTY REAGAN
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 1344.3
OPERATOR DEVON ENERGY PRODUCTION CO, L.P. ATTN VICTORIA SANCHEZ 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102-5010		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: (325) 657-7450
LEASE NAME UNIVERSITY 43-15		WELL NUMBER 11H
LOCATION 11.55 miles SE direction from BIG LAKE		TOTAL DEPTH 9000
Section, Block and/or Survey SECTION ◀ 15                      BLOCK ◀ 43                      ABSTRACT ◀ U308 SURVEY ◀ UL		
DISTANCE TO SURVEY LINES 1760 ft. SOUTH    2667 ft. EAST		DISTANCE TO NEAREST LEASE LINE 100 ft.
DISTANCE TO LEASE LINES 1760 ft. SOUTH    2667 ft. EAST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS: <p style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</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

REAGAN (383) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
GRAYBURG	1,500	2,500		1	12/17/2013
QUEEN	1,900	2,500		2	12/17/2013
SAN ANDRES	2,000	5,000	saltwater flow, possibly heavy	3	12/17/2013
CLEARFORK	3,300	4,000		4	12/17/2013
SPRABERRY	3,300	10,000		5	12/17/2013
STRAWN	9,300	10,200		6	12/17/2013
FUSSELMAN	8,800	11,000		7	12/17/2013
ELLENBURGER	8,700	10,500		8	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.state.tx.us/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>



Groundwater  
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Date October 2, 2014

GAU File No.: 12077

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

API Number 38300000

Attention: ANNETTE RAINES

RRC Lease No. 000000

SC\_216378\_38300000\_000000\_12077.pdf

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

--Measured--

2720 ft FEL

1700 ft FSL

MRL: SECTION

P-5# 216378

Digital Map Location:	
X-coord/Long	<u>101.29281</u>
Y-coord/Lat	<u>31.10765</u>
Datum	<u>83</u> Zone <u></u>

County REAGAN

Lease & Well No. UNIVERSITY 43-15 #9H&PAD

Purpose ND

Location SUR-UL, BLK-43, SEC-15, -- [TD=7000], [RRC 7C],

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 SANTA ROSA, which is estimated to occur at a depth of 850 feet, must be protected.

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

*University 43-15 #11H*

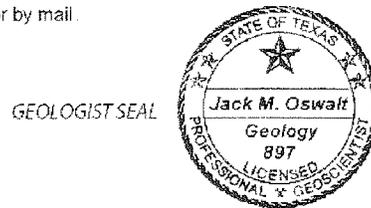
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form 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,  
 cn=Jack Oswalt,  
 email=jack.oswalt@rrc.state.tx.us  
 Date: 2014.10.02 14:36:55 -0500

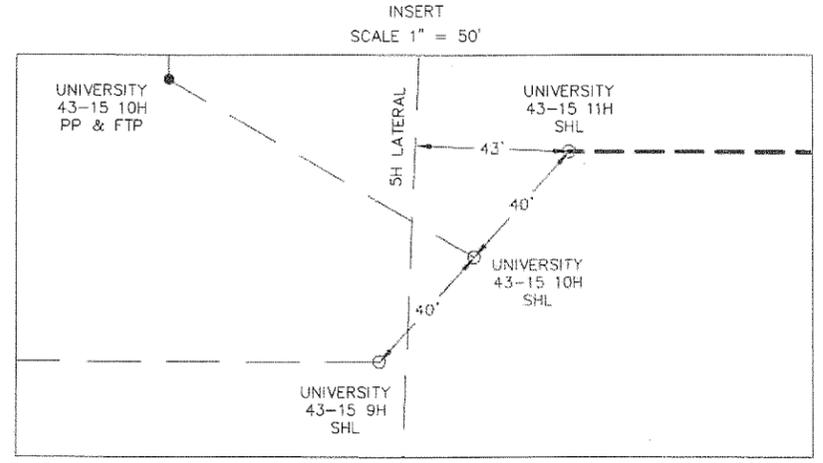
Jack M. Oswalt, P.G.



Geologist, Groundwater Advisory Unit  
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 10/2/2014  
Note: Alteration of this electronic document will invalidate the digital signature.

**NOTE:**  
 COMBINED SCALE FACTOR: 0.999760376  
 SHL IS APPROXIMATELY 11.55 MILES S 58°54'49" E OF THE  
 COURTHOUSE IN BIG LAKE, REAGAN COUNTY, TEXAS.



PERMIT PLAT OF  
 DEVON ENERGY PRODUCTION COMPANY, L.P.  
**UNIVERSITY 43-15 11H**

LIN (WOLFCAMP) FIELD  
 (1344.30 ACRES)  
 UNIVERSITY LEASE  
 SURVEY LINES

**DRILLABLE**  
**09/30/14**  
**TB**

SHL: 1760' FSL & 2667' FEL  
 PP & FTP: 1760' FSL & 1800' FEL  
 SECTION 15, BLOCK 43  
 UNIVERSITY LAND SURVEY  
 LTP & BHL: 100' FNL & 1800' FEL  
 SECTION 6, BLOCK 43  
 UNIVERSITY LAND SURVEY

**LEASE LINES**

SHL: 1760' FSL & 2667' FEL  
 PP & FTP: 1760' FSL & 1800' FEL  
 LTP & BHL: 100' FNL & 1800' FEL  
 REAGAN COUNTY, TEXAS



LINE	BEARING	DISTANCE
L1	S 89°50'29" E	866.74'
L2	N 00°09'31" E	8670.08'

SECTION 11  
 BLOCK 48  
 UNIVERSITY LAND SURVEY

11H SHL  
 N:10367938.05  
 E:1996375.46  
 ELEV:2652  
 LAT:31°06'28.1537"  
 LON:-101°17'33.5309"  
 LAT:31.10782046  
 LON:-101.29264747  
 NAD 83, US TX  
 CENTRAL ZONE

11H PP & FTP  
 N:10367935.65  
 E:1997242.20  
 LAT:31°06'28.2038"  
 LON:-101°17'23.5604"  
 LAT:31.10783438  
 LON:-101.28987788  
 NAD 83, US TX  
 CENTRAL ZONE

11H LTP & BHL  
 N:10376705.70  
 E:1997266.46  
 LAT:31°07'55.0088"  
 LON:-101°17'24.1489"  
 LAT:31.13194690  
 LON:-101.29004135  
 NAD 83, US TX  
 CENTRAL ZONE

SECTION 1  
 BLOCK 48  
 UNIVERSITY LAND SURVEY

SECTION 5  
 BLOCK 43  
 UNIVERSITY LAND SURVEY

SECTION 4  
 BLOCK 43  
 UNIVERSITY LAND SURVEY

SECTION 10  
 BLOCK 48  
 UNIVERSITY LAND SURVEY

SECTION 6  
 BLOCK 43  
 UNIVERSITY LAND SURVEY

SECTION 7  
 BLOCK 43  
 UNIVERSITY LAND SURVEY

SECTION 11  
 BLOCK 48  
 UNIVERSITY LAND SURVEY

SECTION 15  
 BLOCK 43  
 UNIVERSITY LAND SURVEY

SECTION 14  
 BLOCK 43  
 UNIVERSITY LAND SURVEY

SECTION 20  
 BLOCK 48  
 UNIVERSITY LAND SURVEY

SECTION 16  
 BLOCK 43  
 UNIVERSITY LAND SURVEY

SECTION 17  
 BLOCK 43  
 UNIVERSITY LAND SURVEY



111 Austin St., Mason, Texas 76856  
 (877) 347-6883  
 TX FIRM REG. #100248-00  
 www.crosstexaslandservices.com

LEGEND	
SHL	SURFACE HOLE LOCATION
PP	PENETRATION POINT
FTP	FIRST TAKE POINT
LTP	LAST TAKE POINT
BHL	BOTTOM HOLE LOCATION
RRR	RAILROAD COMMISSION
●	POINT
○	PROPOSED WELL LOCATION SET
⊕	EXISTING WELLHEAD
⊙	SURFACE LOCATION OBTAINED FROM RRC
---	SURVEY LINE
- - -	SUBJECT PROPOSED LATERAL
- · - · -	PROPOSED LATERAL
- · - · -	ASDRILLED LATERAL
---	LEASE BOUNDARY
▨	UNLEASED AREA

**NOTE:**  
 1. BEARINGS, DISTANCES & ACREAGE ARE GRD, NAD 83 US TX CENTRAL ZONE AND ARE OBTAINED BY NORMAL GPS TECHNIQUES.  
 2. ELEVATIONS ARE BASED ON NAVD 83.  
 3. THIS SURVEY IS FOR AN OIL & GAS SUB-SURFACE LEASE AND THEREFORE THIS IS NOT A BOUNDARY SURVEY.  
 4. LOCATION OF ADJACENT WELLS OUTSIDE LEASE BOUNDARY ARE APPROXIMATED FROM TEXAS RAILROAD COMMISSION DATA.  
 5. DOWNHOLE INFORMATION PROVIDED BY THE CLIENT.  
 6. THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PLAT WAS DERIVED FROM ACTUAL FIELD NOTES OF ON-THE-GROUND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Phillip S. Sublett*  
 REGISTERED PROFESSIONAL LAND SURVEYOR

09-30-2014  
 DATE

ORIGINALLY STAKED: 09-24-2014  
 LATERAL UPDATE: 09-29-2014

REV. 1      JOB NO.: 14-01451      DRAWN BY: JTL

SHEET 1 OF 1

FILE: S:\TX\EL DORADO AREA\UNIVERSITY BLK 43\UNIVERSITY 43-15\DRFTING\14-01451 UNIVERSITY 43-15 11H UPDATE 09-29-2014.dwg

