

API No. <u>42-383-39225</u> Drilling Permit # <u>797502</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> <small>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.</small>			<b>FORM W-1</b> 07/2004 Permit Status: <b>Approved</b>	
1. RRC Operator No. <b>216378</b>		2. Operator's Name (as shown on form P-5, Organization Report) <b>DEVON ENERGY PRODUCTION CO, L.P.</b>		3. Operator Address (include street, city, state, zip): <b>ATTN VICTORIA SANCHEZ</b> <b>333 WEST SHERIDAN AVE</b> <b>OKLAHOMA CITY, OK 73102-5010</b>		
4. Lease Name <b>UNIVERSITY 43-15</b>		5. Well No. <b>11H</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 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 <b>9000</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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>						
11. RRC District No. <b>7C</b>		12. County <b>REAGAN</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>11.55</u> miles in a <u>SE</u> direction from <u>Big Lake</u> which is the nearest town in the county of the well site.						
15. Section <b>15</b>	16. Block <b>43</b>	17. Survey <b>UL</b>	18. Abstract No. <b>A-U308</b>	19. Distance to nearest lease line: <b>100</b> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <b>1344.3</b>	
21. Lease Perpendiculars: <u>1760</u> ft from the <u>SOUTH</u> line and <u>2667</u> ft from the <u>EAST</u> line.						
22. Survey Perpendiculars: <u>1760</u> ft from the <u>SOUTH</u> line and <u>2667</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	
<b>7C</b>	<b>53613750</b>	<b>LIN (WOLFCAMP)</b>	<b>Oil or Gas Well</b>	<b>7000</b>	<b>380.00</b>	
<b>BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)</b>						
Remarks			Certificate:			
			I certify that information stated in this application is true and complete, to the best of my knowledge.  <u>Annette Raines, Regulatory Specialist</u> <u>Oct 01, 2014</u> Name of filer    Date submitted <u>(405)2288217</u> <u>annette.raines@dvn.com</u> Phone    E-mail Address (OPTIONAL)			
RRC Use Only    Data Validation Time Stamp:    Oct 9, 2014 2:54 PM('As Approved' Version )						

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  
Supplemental Horizontal Well Information

07/2004

**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. 216378	2. Operator's Name (exactly as shown on form P-5, Organization Report) DEVON ENERGY PRODUCTION CO, L.P.	3. Lease Name UNIVERSITY 43-15	4. Well No. 11H
<b>Lateral Drainhole Location Information</b>			
5. Field as shown on Form W-1    LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)			
6. Section 6	7. Block 43	8. Survey UL	9. Abstract
			10. County of BHL REAGAN
11. Terminus Lease Line Perpendiculars 100 ft. from the North line. and 1800 ft. from the East line			
12. Terminus Survey Line Perpendiculars 100 ft. from the North line. and 1800 ft. from the East line			
13. Penetration Point Lease Line Perpendiculars 1760 ft. from the South line. and 1800 ft. from the East line			

## PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

Page 3 of 5

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;">797502</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: right;">Oct 09, 2014</div>	DISTRICT <div style="text-align: right;">* 7C</div>										
API NUMBER <div style="text-align: right;">42-383-39225</div>	FORM W-1 RECEIVED <div style="text-align: right;">Oct 01, 2014</div>	COUNTY <div style="text-align: right;">REAGAN</div>										
TYPE OF OPERATION <div style="text-align: right;">NEW DRILL</div>	WELLBORE PROFILE(S) <div style="text-align: right;">Horizontal</div>	ACRES <div style="text-align: right;">1344.3</div>										
OPERATOR <div style="text-align: right;">216378</div> DEVON ENERGY PRODUCTION CO, L.P. ATTN VICTORIA SANCHEZ 333 WEST SHERIDAN AVE OKLAHOMA CITY, OK 73102-5010		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: right;">(325) 657-7450</div>										
LEASE NAME <div style="text-align: right;">UNIVERSITY 43-15</div>		WELL NUMBER <div style="text-align: right;">11H</div>										
LOCATION <div style="text-align: right;">11.55 miles SE direction from BIG LAKE</div>		TOTAL DEPTH <div style="text-align: right;">9000</div>										
Section, Block and/or Survey SECTION ◀ 15                      BLOCK ◀ 43                      ABSTRACT ◀ U308 SURVEY ◀ UL												
DISTANCE TO SURVEY LINES <div style="text-align: right;">1760 ft. SOUTH    2667 ft. EAST</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: right;">100 ft.</div>										
DISTANCE TO LEASE LINES <div style="text-align: right;">1760 ft. SOUTH    2667 ft. EAST</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: right;">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: none;"> <tr> <td style="width: 60%;">FIELD NAME</td> <td style="width: 10%;">ACRES</td> <td style="width: 10%;">DEPTH</td> <td style="width: 10%;">WELL #</td> <td style="width: 10%;">DIST</td> </tr> <tr> <td>LEASE NAME</td> <td>NEAREST LEASE</td> <td></td> <td>NEAREST WE</td> <td></td> </tr> </table> <p>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.</p>			FIELD NAME	ACRES	DEPTH	WELL #	DIST	LEASE NAME	NEAREST LEASE		NEAREST WE	
FIELD NAME	ACRES	DEPTH	WELL #	DIST								
LEASE NAME	NEAREST LEASE		NEAREST WE									

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

Digital Map Location:

X-coord/Long 101.29281

Y-coord/Lat 31.10765

Datum 83

Zone

P-5# 216378

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.

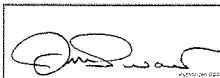
This recommendation is applicable to all wells drilled on this pad.

*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.

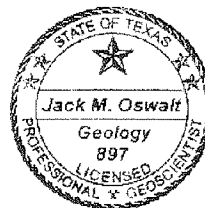
Sincerely,

  
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

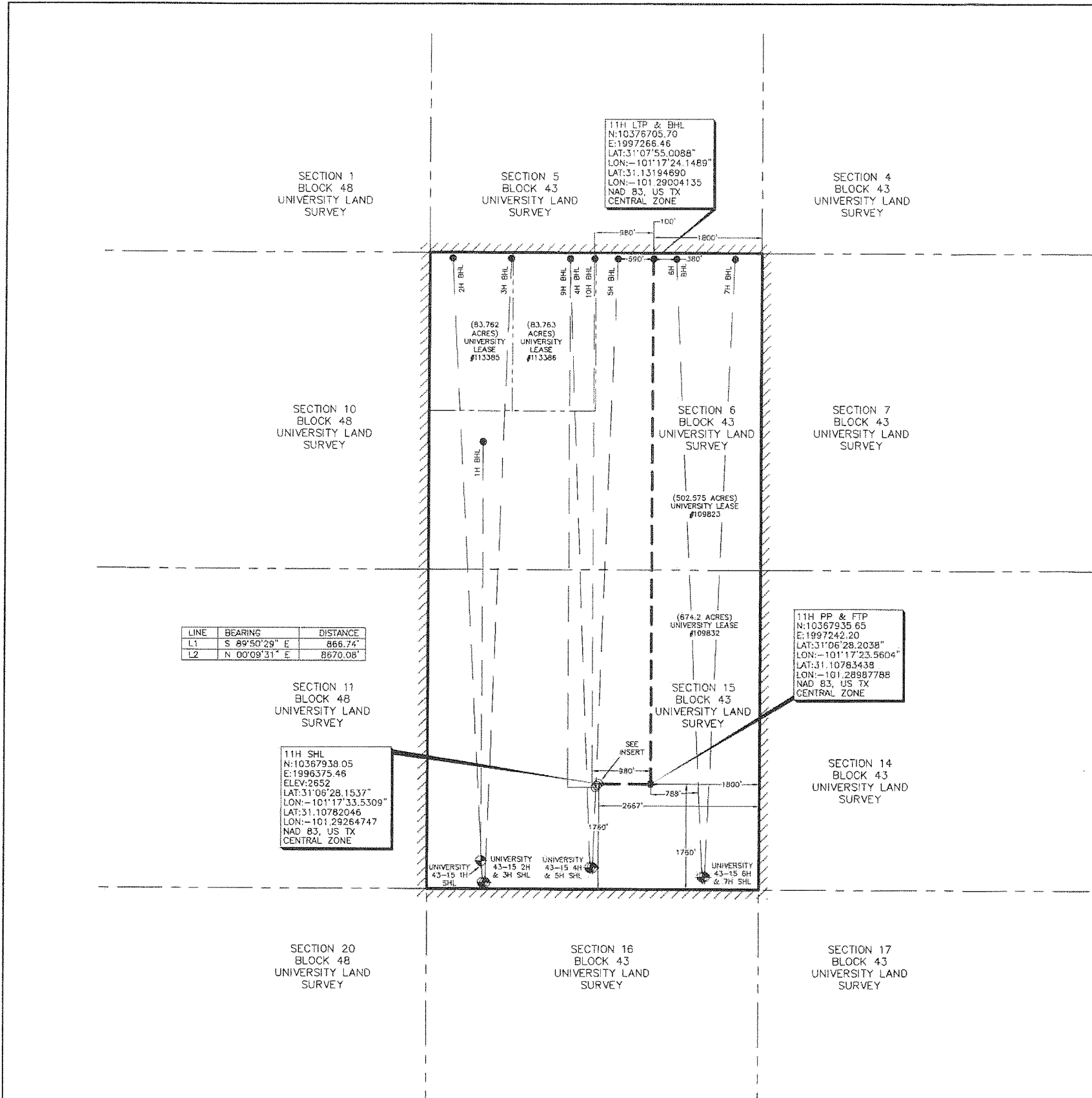
Jack M. Oswalt, P.G.

Geologist, Groundwater Advisory Unit  
Oil & Gas Division

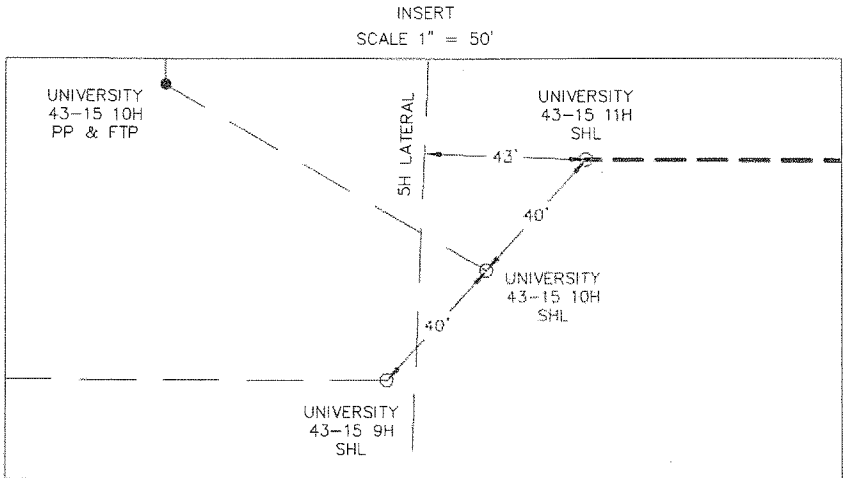
GEOLOGIST SEAL



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

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

DRILLABLE

09/30/14

TB



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.

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

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

09-30-2014  
DATE

SHEET 1 OF 1



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

SHL SURFACE HOLE LOCATION  
PP- PENETRATION POINT  
FTP FIRST TAKE POINT  
LTP LAST TAKE POINT  
BHL BOTTOM HOLE LOCATION  
RRC RAILROAD COMMISSION

LEGEND

POINT PROPOSED WELL LOCATION SET EXISTING WELLHEAD SURFACE LOCATION OBTAINED FROM RRC

SURVEY LINE  
SUBJECT PROPOSED LATERAL  
PROPOSED LATERAL  
ADRIILLED LATERAL

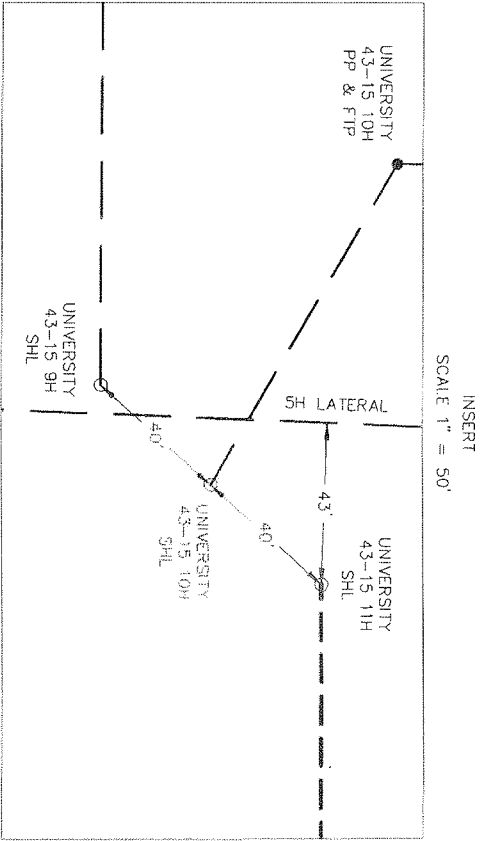
LEASE BOUNDARY

UNLEASED AREA



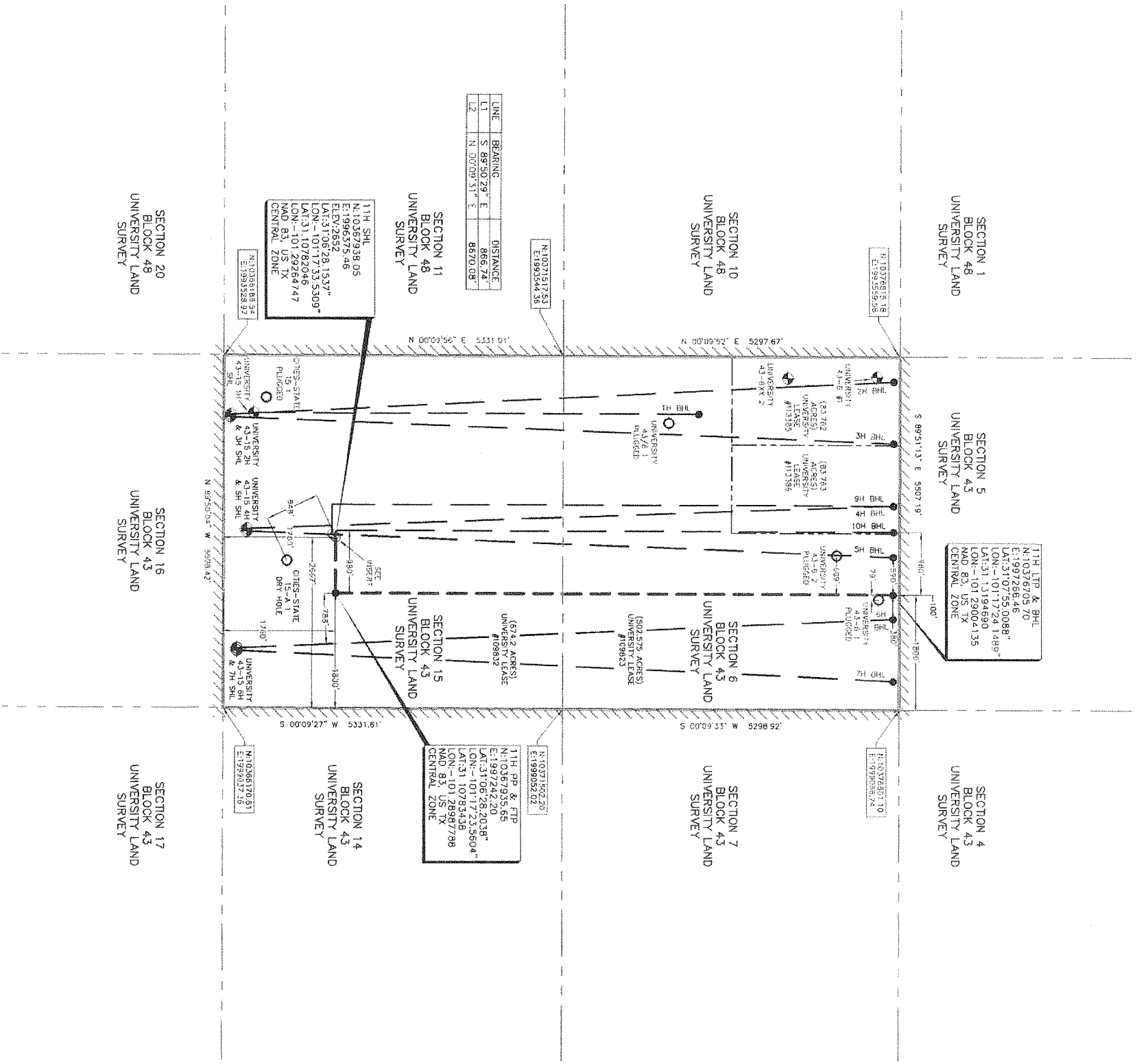
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INTERNAL PLAT OF  
DEVON ENERGY PRODUCTION COMPANY, L.P.  
**UNIVERSITY 43-15 11H**  
LIN (WOLFCAMP) FIELD  
(1344.30 ACRES)  
UNIVERSITY LEASE  
SURVEY LINES  
SHL: 1760' FSL & 2667' FEL  
PP & FTP: 1760' FSL & 1800' FEL  
SECTION 15, BLOCK 43  
UNIVERSITY 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

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



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

DATE: 09/29/2014  
PROJECT: UNIVERSITY 43-15 11H  
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SHEET 1 OF 2