

API No. <u>42-383-38628</u> Drilling Permit # <u>777679</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. 216378		2. Operator's Name (as shown on form P-5, Organization Report) DEVON ENERGY PRODUCTION CO, L.P.		3. Operator Address (include street, city, state, zip):		
4. Lease Name UNIVERSITY 49-1		5. Well No. 6H				
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 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 9000		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		
SURFACE LOCATION AND ACREAGE INFORMATION						
11. RRC District No. 7C		12. County REAGAN		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>5.95</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 1	16. Block 49	17. Survey UNIVERSITY LAND		18. Abstract No. A-	19. Distance to nearest lease line: <u>100</u> ft.	
20. Number of contiguous acres in lease, pooled unit, or unitized tract: 334.4						
21. Lease Perpendiculars: <u>200</u> ft from the <u>SOUTH</u> line and <u>827</u> ft from the <u>EAST</u> line.		22. Survey Perpendiculars: <u>200</u> ft from the <u>SOUTH</u> line and <u>827</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	
7C	53613750	LIN (WOLFCAMP)	Oil or Gas Well	6800	930.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)						
Remarks 			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> Annette Raines, Regulatory Specialist Name of filer </div> <div> Jan 20, 2014 Date submitted </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> (405)2288217 Phone </div> <div> annette.raines@dvn.com E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only			Data Validation Time Stamp: Feb 5, 2014 11:46 AM('As Approved' Version)			

Permit Status:	Approved
<i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i>	

**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

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Permit #	777679
Approved Date:	Feb 05, 2014

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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 1	7. Block 49	8. Survey UNIVERSITY LAND	9. Abstract	10. County of BHL REAGAN
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11. Terminus Lease Line Perpendiculars 100 ft. from the North line. and 380 ft. from the East line
12. Terminus Survey Line Perpendiculars 100 ft. from the North line. and 380 ft. from the East line
13. Penetration Point Lease Line Perpendiculars 200 ft. from the South line. and 380 ft. from the East 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 777679	DATE PERMIT ISSUED OR AMENDED Feb 05, 2014	DISTRICT * 7C
API NUMBER 42-383-38628	FORM W-1 RECEIVED Jan 20, 2014	COUNTY REAGAN
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 334.4
OPERATOR DEVON ENERGY PRODUCTION CO, L.P. 216378		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: (325) 657-7450
LEASE NAME UNIVERSITY 49-1		WELL NUMBER 6H
LOCATION 5.95 miles SE direction from BIG LAKE		TOTAL DEPTH 9000
Section, Block and/or Survey SECTION 1 BLOCK 49 ABSTRACT SURVEY UNIVERSITY LAND		
DISTANCE TO SURVEY LINES 200 ft. SOUTH 827 ft. EAST		DISTANCE TO NEAREST LEASE LINE 100 ft.
DISTANCE TO LEASE LINES 200 ft. SOUTH 827 ft. EAST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>		
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST LEASE
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LIN (WOLFCAMP)	334.40	6,800
UNIVERSITY 49-1	100	930

WELLBORE PROFILE(s) FOR FIELD: Horizontal		

RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 200.0 F SOUTH L 380.0 F EAST L Terminus Location BH County: REAGAN Section: 1 Block: 49 Abstract: Survey: UNIVERSITY LAND Lease Lines: 100.0 F NORTH L 380.0 F EAST L Survey Lines: 100.0 F NORTH L 380.0 F EAST L		
THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS		
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.		

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DISTANCE TO LEASE LINES 200 ft. SOUTH 827 ft. EAST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS: * SEE FIELD DISTRICT FOR REPORTING PURPOSES *		
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH 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.		

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date **January 31, 2014**

GAU File No.: SC- **11689**

***** EXPEDITED APPLICATION *****

API Number **38300000**

Attention: **ANNETTE RAINES**

RRC Lease No. **000000**

SC_216378_38300000_000000_11689.pdf

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

--Measured--

867 ft FEL

200 ft FSL

MRL: SECTION

P-5# 216378

Digital Map Location:

X-coord/Long **101.39034**

Y-coord/Lat **31.13137**

Datum **83** Zone

County **REAGAN**

Lease & Well No. **UNIVERSITY 49-1 #5H&PAD**

Purpose **ND**

Location **SUR-UL, BLK-49, SEC-1, -- [TD=6800], [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 850 feet, must be protected.


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

University 49-1 #6H

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, or by mail.

Sincerely,


Digitally signed by Jack Oswalt
DN: cn=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: 2014.01.31 14:25:55 -06'00'

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 1/31/2014
Note: Alteration of this electronic document will invalidate the digital signature.

**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

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.

DRILLABLE

01/13/14

RL

NOTE:
Combined Scale Factor: 0.999756032
SHL IS APPROXIMATELY 5.95 MILES S 43°52'22" E OF THE
COURTHOUSE IN BIG LAKE, REAGAN COUNTY, TEXAS.



SECTION 3
H.E. & W.T. R.R. CO.
SURVEY
A-217

SECTION 1
BLOCK 49
UNIVERSITY LAND
SURVEY

SECTION 2
BLOCK 49
UNIVERSITY LAND
SURVEY

6H SHL
N10376779.71
E1965924.21
ELEV12761
LAT:31°07'52.9337"
LON:-101°23'24.7821"
LAT:31.13137047
LON:-101.39021726
NAD 83, US TX
CENTRAL ZONE

University 49-1
334.40 acres

(334.40 ACRES)
STATE OF TEXAS
LEASE #76754

SECTION 5
BLOCK 48
UNIVERSITY LAND
SURVEY

6H LTP & BHL
N10382028.88
E1966474.95
LAT:31°08'44.9393"
LON:-101°23'19.0183"
LAT:31.14581647
LON:-101.38861619
NAD 83, US TX
CENTRAL ZONE

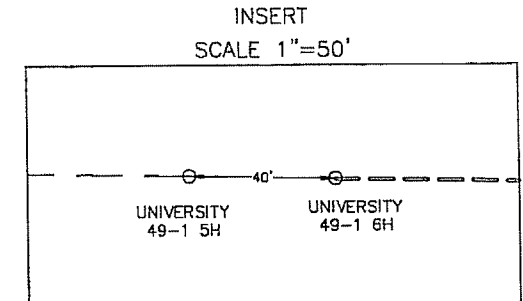
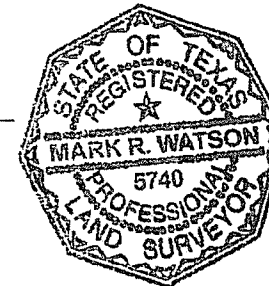
6H PP & FTP
N10376770.83
E1966371.10
LAT:31°07'52.8878"
LON:-101°23'19.6393"
LAT:31.13135772
LON:-101.38878870
NAD 83, US TX
CENTRAL ZONE

UNIVERSITY
49-1
5H & 6H

LINE	BEARING	DISTANCE
L1	S 88°51'42" E	446.97'
L2	N 01°07'54" E	5259.07'

SECTION 6
BLOCK 49
UNIVERSITY LAND
SURVEY

SECTION 6
BLOCK 48
UNIVERSITY LAND
SURVEY



PERMIT PLAT OF
DEVON ENERGY PRODUCTION COMPANY, L.P.
UNIVERSITY 49-1 6H
LIN (WOLFCAMP) FIELD
334.40 ACRES
SURVEY LINES

SHL: 200' FSL & 827' FEL

PP & FTP: 200' FSL & 380' FEL

LTP & BHL: 100' FNL & 380' FEL

SECTION 1, BLOCK 49

UNIVERSITY LAND SURVEY

LEASE LINES

SHL: 200' FSL & 827' FEL

PP & FTP: 200' FSL & 380' FEL

LTP & BHL: 100' FNL & 380' FEL

REAGAN COUNTY, TEXAS

NOTE:
1. BEARINGS, DISTANCES & ACREAGE ARE GRID, NAD 83 US TX CENTRAL ZONE AND ARE OBTAINED BY NORMAL GPS TECHNIQUES.
2. THIS SURVEY IS FOR AN OIL & GAS SUB-SURFACE LEASE AND THEREFORE THIS IS NOT A BOUNDARY SURVEY.
3. LOCATION OF ADJOINING WELLS OUTSIDE LEASE BOUNDARY ARE APPROXIMATED FROM TEXAS RAILROAD COMMISSION DATA.
4. DOWNHOLE INFORMATION PROVIDED BY THE CLIENT.

I, 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.

REGISTERED PROFESSIONAL LAND SURVEYOR
DATE 1-6-2014

ORIGINALLY STAKED: 12-13-2013

REV: - JOB NO: 13-02046 DRAWN BY: JDM

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

--- SURVEY LINE
--- SUBJECT PROPOSED LATERAL
--- PROPOSED LATERAL
--- AS DRILLED LATERAL
● POINT
○ PROPOSED WELL LOCATION SET
⊕ AS MARKED
⊙ SURFACE LOCATION OBTAINED FROM RRC

UNLEASED AREA



R.C.D.R. REAGAN COUNTY DEED RECORDS

FILE: SATV\EL DORADO AREA\UNIVERSITY BLK 49\DRAWING\13-02046 University 49-1 6H 1-6-2014.dwg

DRILLABLE

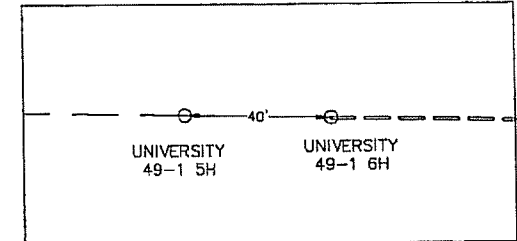
01/13/14

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SHL IS APPROXIMATELY 5.95 MILES S 43°52'22" E OF THE
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INSERT
SCALE 1"=50'



PERMIT PLAT OF
DEVON ENERGY PRODUCTION COMPANY, L.P.
UNIVERSITY 49-1 6H
LIN (WOLFCAMP) FIELD

SURVEY LINES

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SECTION 1, BLOCK 49

UNIVERSITY LAND SURVEY

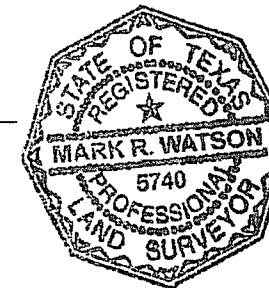
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REAGAN COUNTY, TEXAS



SECTION 3
H.E. & W.T. R.R. CO.
SURVEY
A-217

UNIVERSITY
49-1 3

UNIVERSITY
49-1 6

(334.40 ACRES)
STATE OF TEXAS
LEASE #76754

SECTION 5
BLOCK 48
UNIVERSITY LAND
SURVEY

SECTION 1
BLOCK 49
UNIVERSITY LAND
SURVEY

SECTION 2
BLOCK 49
UNIVERSITY LAND
SURVEY

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E1965924.21
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LON: -101°23'24.7821"
LAT: 31.13137047
LON: -101.39021726
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RRC RAILROAD COMMISSION

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--- PROPOSED LATERAL
--- ADJACENT LATERAL
● AS MARKED
○ SURFACE LOCATION OBTAINED FROM RRC

UNLEASED AREA

R.C.D.R. REAGAN COUNTY DEED RECORDS

1-6-2014
DATE