

API No. <u>42-383-38628</u>		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION				FORM W-1 07/2004	
Drilling Permit # <u>777679</u>		APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER				Permit Status: Approved	
SWR Exception Case/Docket No. _____		<i>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.</i>					
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: 100 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	32. Number of Wells on this lease in this Reservoir
7C	53613750	LIN (WOLFCAMP)		Oil or Gas Well	6800	930.00	2
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks				<p style="text-align: center;">Certificate:</p> <p>I certify that information stated in this application is true and complete, to the best of my knowledge.</p> <p style="text-align: center;"><u>Annette Raines, Regulatory Specialist</u> <u>Jan 20, 2014</u> Name of filer Date submitted</p> <p style="text-align: center;"><u>(405)2288217</u> <u>annette.raines@dvn.com</u> Phone E-mail Address (OPTIONAL)</p>			
RRC Use Only Data Validation Time Stamp: Feb 5, 2014 11:46 AM('As Approved' Version)							

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

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

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

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

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: 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: 2014.01.31 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
 ELEV: 2761
 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

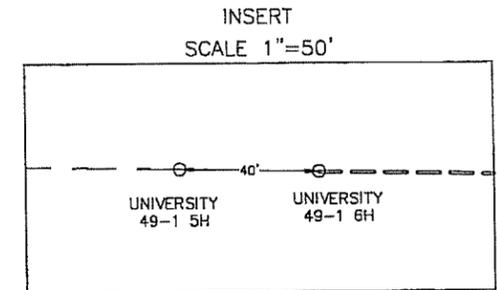
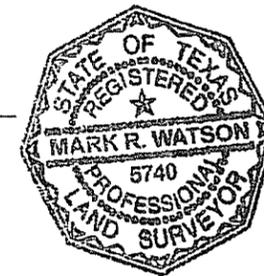
6H PP & FTP
 N10376770.83
 E1966371.10
 LAT: 31°07'52.8878"
 LON: -101°23'19.6393"
 LAT: 31.13135772
 LON: -101.38878870
 NAD 83, US TX
 CENTRAL ZONE

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

SECTION 5
 BLOCK 49
 UNIVERSITY LAND
 SURVEY

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 & ACRES 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.

ORIGINALLY STAKED: 12-13-2013

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.

1-6-2014
 DATE

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
 LEASE BOUNDARY
 UNLEASED AREA
 R.C.D.R. REAGAN COUNTY DEED RECORDS

POINT PROPOSED WELL LOCATION SET AS MARKED SURFACE LOCATION OBTAINED FROM RRC

FILE: S:\TX\EL_DORADO_ARCA\UNIVERSITY_BLK_49\DRAWING\13-02046 University 49-1 6H 1-6-2014.dwg

DRILLABLE

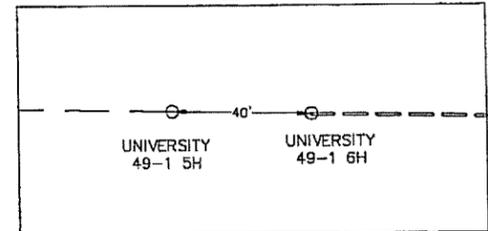
01/13/14

RL

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 COURTHOUSE IN BIG LAKE, REAGAN COUNTY, TEXAS.



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
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 REAGAN COUNTY, TEXAS



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 SURVEY

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 UNIVERSITY LAND
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REGISTERED PROFESSIONAL LAND SURVEYOR

1-6-2014
 DATE

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

LEGEND

- POINT
- PROPOSED WELL LOCATION SET
- ⊕ AS MARKED
- ⊙ SURFACE LOCATION OBTAINED FROM RRC
- SURVEY LINE
- - - SUBJECT PROPOSED LATERAL
- - - PROPOSED LATERAL
- - - ADRIEL LATERAL
- LEASE BOUNDARY
- ▨ UNLEASED AREA

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

FILE: SATVEI_DORADO_AREX/UNIVERSITY_BLK_49/DRAFTING/13-02046/University_49-1_6H_1-6-2014.dwg