

API No. <u>42-383-39687</u> Drilling Permit # <u>818421</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
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1. RRC Operator No. 253385	2. Operator's Name (as shown on form P-5, Organization Report) EP ENERGY E&P COMPANY, L.P.	3. Operator Address (include street, city, state, zip): ATTN JOSEPH ARAIZA PO BOX 4660 HOUSTON, TX 77210-4660
4. Lease Name UNIVERSITY CENTRAL		5. Well No. 0810AV

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 checked="" type="checkbox"/> Vertical	<input type="checkbox"/> Horizontal (Also File Form W-1H)	<input type="checkbox"/> Directional (Also File Form W-1D)	<input type="checkbox"/> Sidetrack		
8. Total Depth 10000	9. Do you have the right to develop the minerals under any right-of-way ?		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)?		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<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>9.91</u> miles in a <u>NW</u> direction from <u>Big Lake</u> which is the nearest town in the county of the well site.					
15. Section 10	16. Block 08	17. Survey UNIVERSITY LANDS		18. Abstract No. A-	19. Distance to nearest lease line: 5551 ft.
20. Number of contiguous acres in lease, pooled unit, or unitized tract: 38634.63					
21. Lease Perpendiculars: <u>5551</u> ft from the <u>NORTH</u> line and <u>13342</u> ft from the <u>WEST</u> line.					
22. Survey Perpendiculars: <u>247</u> ft from the <u>NORTH</u> line and <u>2546</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	9000	10391.19	77

BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS

Remarks [FILER Sep 13, 2016 12:46 PM]: This well is located within the University Central Drilling & Development Unit.	Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. LINDA RENKEN, Sr. Regulatory Analyst Name of filer _____ Date submitted Sep 13, 2016 <u>(713)9975138</u> Phone _____ <u>linda.renken@epenergy.com</u> E-mail Address (OPTIONAL) _____
RRC Use Only Data Validation Time Stamp: Sep 16, 2016 10:48 AM(Current Version)	

**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 818421	DATE PERMIT ISSUED OR AMENDED Sep 16, 2016	DISTRICT * 7C	
API NUMBER 42-383-39687	FORM W-1 RECEIVED Sep 13, 2016	COUNTY REAGAN	
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Vertical	ACRES 38634.63	
OPERATOR EP ENERGY E&P COMPANY, L.P. ATTN JOSEPH ARAIZA PO BOX 4660 HOUSTON, TX 77210-4660	253385	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 CENTRAL	WELL NUMBER 0810AV		
LOCATION 9.91 miles NW direction from BIG LAKE	TOTAL DEPTH 10000		
Section, Block and/or Survey SECTION ◀ 10 BLOCK ◀ 08 ABSTRACT ◀ SURVEY ◀ UNIVERSITY LANDS			
DISTANCE TO SURVEY LINES 247 ft. NORTH 2546 ft. EAST		DISTANCE TO NEAREST LEASE LINE 5551 ft.	
DISTANCE TO LEASE LINES 5551 ft. NORTH 13342 ft. WEST		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
----- LIN (WOLFCAMP) UNIVERSITY CENTRAL	38634.63 5551	9,000 0810AV 10391.19	7C
<p align="center">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</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> <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>			

**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.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 14 September 2016 **GAU Number:** 160124

Attention:	EP ENERGY E&P COMPANY, ATTN JOSEPH ARAIZA HOUSTON, TX 77210	API Number:	
Operator No.:	253385	County:	REAGAN
		Lease Name:	University Central
		Lease Number:	17575
		Well Number:	0810AV
		Total Vertical Depth:	10000
		Latitude:	31.199819
		Longitude:	-101.627165
		Datum:	NAD27

Purpose: New Drill
Location: Survey-UL; Block-8; Section-10

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 a depth of 975 feet must be protected.

Please send Gamma Ray/Porosity log of this well when it is available.

This recommendation is applicable to all wells within a radius of 200 feet of this location.

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

This determination is based on information provided when the application was submitted on 09/14/2016. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov
Rev. 02/2014

