

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	
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. 0810AH					
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 checked="" 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 8999		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>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: 101 ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 38716.55	
21. Lease Perpendiculars: <u>5551</u> ft from the <u>N</u> line and <u>13346</u> ft from the <u>W</u> line. 22. Survey Perpendiculars: <u>247</u> ft from the <u>N</u> line and <u>2546</u> ft from the <u>E</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	8999	7972.84	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks [FILER Oct 31, 2016 3:04 PM]: This permit is being amended to changing the well to a horizontal well and the well name is now 0810AH. This well is located within the University Central Drilling & Development Unit. FTP - 5551' FNL & 12890' FWL; LTP - 101' FSL & 12891' FWL; [RRC STAFF Nov 9, 2016 7:18 AM]: Lease plat found 818421				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> <u>Jessica High, Regulatory Analyst II</u> Name of filer <u>(713)9976632</u> Phone </div> <div> <u>Oct 31, 2016</u> Date submitted <u>jessica.high@epenergy.com</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only				Data Validation Time Stamp: Nov 10, 2016 6:31 PM(Current 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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A certification of the automated data is available in the RRC's Austin office.*

Permit #	818421
Approved Date:	Nov 09, 2016

1. RRC Operator No. 253385	2. Operator's Name (exactly as shown on form P-5, Organization Report) EP ENERGY E&P COMPANY, L.P.	3. Lease Name UNIVERSITY CENTRAL	4. Well No. 0810AH
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Lateral Drainhole Location Information

5. Field as shown on Form W-1	LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)
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6. Section 15	7. Block 08	8. Survey UNIVERSITY LANDS	9. Abstract	10. County of BHL REAGAN
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11. Terminus Lease Line Perpendiculars	_____ 1 _____ ft. from the _____ S _____ line. and _____ 12891 _____ ft. from the _____ W _____ line			
12. Terminus Survey Line Perpendiculars	_____ 1 _____ ft. from the _____ S _____ line. and _____ 2277 _____ ft. from the _____ W _____ line			
13. Penetration Point Lease Line Perpendiculars	_____ 5305 _____ ft. from the _____ N _____ line. and _____ 12890 _____ ft. from the _____ W _____ 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 <p align="center">818421</p>	DATE PERMIT ISSUED OR AMENDED (AMENDED) Nov 09, 2016	DISTRICT <p align="center">* 7C</p>			
API NUMBER <p align="center">42-383-39687</p>	FORM W-1 RECEIVED <p align="center">Oct 31, 2016</p>	COUNTY <p align="center">REAGAN</p>			
TYPE OF OPERATION <p align="center">NEW DRILL</p>	WELLBORE PROFILE(S) <p align="center">Horizontal</p>	ACRES <p align="center">38716.55</p>			
OPERATOR <p align="center">EP ENERGY E&P COMPANY, L.P.</p> <p>ATTN JOSEPH ARAIZA PO BOX 4660 HOUSTON, TX 77210-4660</p>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <p align="center">District Office Telephone No: (325) 657-7450</p>			
LEASE NAME <p align="center">UNIVERSITY CENTRAL</p>		WELL NUMBER <p align="center">0810AH</p>			
LOCATION <p align="center">9.91 miles NW direction from BIG LAKE</p>		TOTAL DEPTH <p align="center">8999</p>			
Section, Block and/or Survey SECTION ◀ 10 BLOCK ◀ 08 ABSTRACT ◀ SURVEY ◀ UNIVERSITY LANDS					
DISTANCE TO SURVEY LINES <p align="center">247 ft. N 2546 ft. E</p>		DISTANCE TO NEAREST LEASE LINE <p align="center">101 ft.</p>			
DISTANCE TO LEASE LINES <p align="center">5551 ft. N 13346 ft. W</p>		DISTANCE TO NEAREST WELL ON LEASE <p align="center">See FIELD(s) Below</p>			
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>					
FIELD NAME LEASE NAME		ACRES NEAREST LEASE	DEPTH NEAREST WE	WELL # NEAREST WE	DIST
----- LIN (WOLFCAMP) <p align="center">UNIVERSITY CENTRAL</p> -----		38716.55 101	8,999	0810AH 7972.84	7C
----- WELLBORE PROFILE(s) FOR FIELD: Horizontal -----					
RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 5305.0 F N L 12890.0 F W L Terminus Location BH County: REAGAN Section: 15 Block: 08 Abstract: Survey: UNIVERSITY LANDS Lease Lines: 1.0 F S L 12891.0 F W L Survey Lines: 1.0 F S L 2277.0 F W L					
<p align="center">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</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.					

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;">818421</div>	DATE PERMIT ISSUED OR AMENDED (AMENDED) Nov 09, 2016	DISTRICT <div style="text-align: center;">* 7C</div>										
API NUMBER <div style="text-align: right;">42-383-39687</div>	FORM W-1 RECEIVED <div style="text-align: center;">Oct 31, 2016</div>	COUNTY <div style="text-align: center;">REAGAN</div>										
TYPE OF OPERATION <div style="text-align: center;">NEW DRILL</div>	WELLBORE PROFILE(S) <div style="text-align: center;">Horizontal</div>	ACRES <div style="text-align: center;">38716.55</div>										
OPERATOR <div style="text-align: right;">253385</div> <div style="text-align: center;">EP ENERGY E&P COMPANY, L.P.</div> ATTN JOSEPH ARAIZA PO BOX 4660 HOUSTON, TX 77210-4660		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: center;">(325) 657-7450</div>										
LEASE NAME <div style="text-align: center;">UNIVERSITY CENTRAL</div>		WELL NUMBER <div style="text-align: center;">0810AH</div>										
LOCATION <div style="text-align: center;">9.91 miles NW direction from BIG LAKE</div>		TOTAL DEPTH <div style="text-align: center;">8999</div>										
Section, Block and/or Survey SECTION 10 BLOCK 08 ABSTRACT SURVEY UNIVERSITY LANDS												
DISTANCE TO SURVEY LINES <div style="text-align: center;">247 ft. N 2546 ft. E</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">101 ft.</div>										
DISTANCE TO LEASE LINES <div style="text-align: center;">5551 ft. N 13346 ft. W</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: center;">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: 15%;">ACRES</td> <td style="width: 15%;">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> <p>Currently there are no identified formations listed for this county. It is still the operators responsibility to isolate and report any potential flow zones that are encountered in the completion of this well.</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									

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**Operator No.:** 253385**API Number:**
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

NAD 83, Central Zone 4203
Surface Hole Location (SHL Sec. 10)
Latitude: 31.199972° N
Longitude: 101.627564° W
X=1891960.84
Y=10402514.01
Elev.=2832'
247' FNL & 2546' FEL

NAD 27, Central Zone 4203
Surface Hole Location (SHL Sec. 10)
Latitude: 31.199819° N
Longitude: 101.627165° W
X=1595492.92
Y=559937.26
Elev.=2832'
247' FNL & 2546' FEL

Point of Penetration (PP Sec. 10)
Latitude: 31.200506° N
Longitude: 101.628615° W
X=1595042.69
Y=560192.33
1' FNL & 2277' FWL

First Take Point (FTP Sec. 10)
Latitude: 31.199830° N
Longitude: 101.628621° W
X=1595037.67
Y=559946.38
247' FNL & 2277' FWL

Last Take Point (LTP Sec. 15)
Latitude: 31.171667° N
Longitude: 101.628909° W
X=1594828.63
Y=549705.25
101' FSL & 2277' FWL

Bottom Hole Location (BHL Sec. 15)
Latitude: 31.171392° N
Longitude: 101.628912° W
X=1594826.59
Y=549605.27
1' FSL & 2277' FWL

Unit Boundary Distance	
SHL	5551' FNL & 13346' FWL
PP	5305' FNL & 12890' FWL
FTP	5551' FNL & 12890' FWL
LTP	101' FSL & 12891' FWL
BHL	1' FSL & 12891' FWL

University Central 0812BH (Closest Permitted Well)
LTP Bears N 88°49'50" W, 7972.84'



Well Name
UNIVERSITY CENTRAL 0810AH
Drilling Field
LIN (WOLFCAMP) FIELD
Nearest Town
9.91 MILES WEST OF BIG LAKE, TEXAS

NOTE: This Plat does not, in anyway represent a "Boundary Survey", and does not comply with the current T.B.P.L.S. Minimum Standards of Procedures for Boundary Survey. Shown Acreages were furnished by others. The information contained on this plat is intended for the sole use of EP ENERGY E&P COMPANY, L.P.

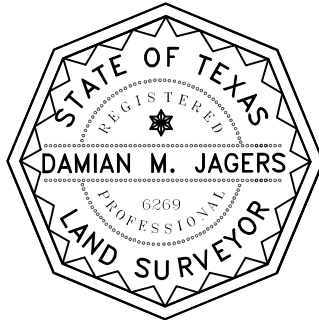
NOTE: Bearings and coordinates refer to the Texas Coordinate System of 1927, Central Zone (4203), as observed by GPS observations

I, Damian M. Jagers do hereby certify that the above described well location was surveyed on the ground under my supervision, as shown.

Damian M. Jagers 10/12/2016

DAMIAN M. JAGERS
REGISTERED PROFESSIONAL LAND SURVEYOR
TEXAS REGISTRATION NO. 6269

DATE



0 1000 2000
1"=2000'



EP ENERGY E&P COMPANY, L.P.

University Central 0810AH
Block 8, Section 10
Block 8, Section 15
Reagan County, Texas