

API No. <u>42-105-42042</u> Drilling Permit # <u>784712</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>
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1. RRC Operator No. <b>253385</b>	2. Operator's Name (as shown on form P-5, Organization Report) <b>EP ENERGY E&amp;P COMPANY, L.P.</b>	3. Operator Address (include street, city, state, zip):
4. Lease Name <b>UNIVERSITY EAST</b>		5. Well No. <b>4110BH</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 checked="" type="checkbox"/> Amended		<input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)		<input type="checkbox"/> Field Transfer	
<input type="checkbox"/> Re-Enter					
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>8999</b>		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	

<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>					
11. RRC District No. <b>7C</b>		12. County <b>CROCKETT</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>21.8</u> miles in a <u>NE</u> direction from <u>OZONA</u> which is the nearest town in the county of the well site.					
15. Section <b>10</b>		16. Block <b>41</b>	17. Survey <b>UL</b>		18. Abstract No. <b>A-U330</b>
				19. Distance to nearest lease line: <b>230</b> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <b>50621.98</b>
21. Lease Perpendiculars: <u>8388</u> ft from the <u>NORTH</u> line and <u>3670</u> ft from the <u>EAST</u> line.					
22. Survey Perpendiculars: <u>2494</u> ft from the <u>SOUTH</u> line and <u>1621</u> ft from the <u>WEST</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	32. Number of Wells on this lease in this Reservoir
7C	53613750	LIN (WOLFCAMP)	Oil or Gas Well	8000	356.00	168

<b>BOTTOMHOLE LOCATION INFORMATION</b> is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)	
<b>Remarks</b> [FILER Jun 26, 2014 1:55 PM]: This well is located within the University East Drilling & Development Unit.  FTP = 7814' FNL & 3314' FEL LTP = 230' FNL & 3315' FEL  This permit is being amended because the surface location moved more than 10'.; [RRC STAFF Jul 25, 2014 9:04 AM]: I moved the SHL per filing.	<b>Certificate:</b> I certify that information stated in this application is true and complete, to the best of my knowledge.  <u>LINDA RENKEN, Regulatory Analyst</u> <u>Jun 26, 2014</u> Name of filer Date submitted <u>(713)9975138</u> <u>linda.renken@epenergy.com</u> Phone E-mail Address (OPTIONAL)
RRC Use Only	Data Validation Time Stamp: Jul 31, 2014 10:08 AM( Current 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 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 # **784712**  
Approved Date: **Jul 31, 2014**

1. RRC Operator No. <b>253385</b>	2. Operator's Name (exactly as shown on form P-5, Organization Report) <b>EP ENERGY E&amp;P COMPANY, L.P.</b>	3. Lease Name <b>UNIVERSITY EAST</b>	4. Well No. <b>4110BH</b>
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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 <b>3</b>	7. Block <b>41</b>	8. Survey <b>UNIVERSITY LAND</b>	9. Abstract <b>U323</b>	10. County of BHL <b>CROCKETT</b>
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11. Terminus Lease Line Perpendiculars <b>30</b> ft. from the <b>north</b> line. and <b>3315</b> ft. from the <b>east</b> line
12. Terminus Survey Line Perpendiculars <b>30</b> ft. from the <b>north</b> line. and <b>1977</b> ft. from the <b>west</b> line
13. Penetration Point Lease Line Perpendiculars <b>8303</b> ft. from the <b>north</b> line. and <b>3617</b> ft. from the <b>east</b> line





RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION  
SWR #13 Formation Data

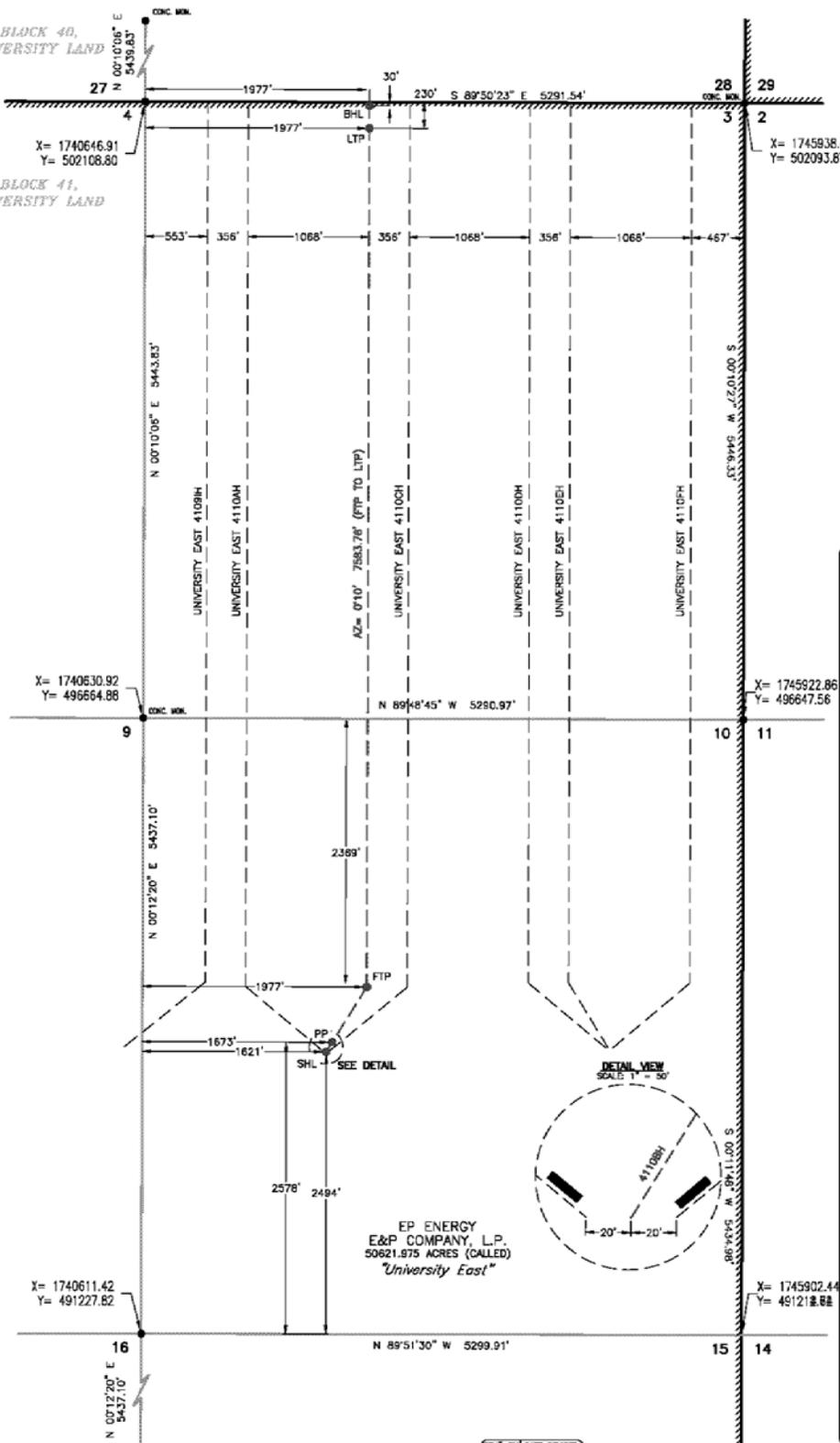
CROCKETT (105) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
QUEEN	1,000	2,300		1	12/17/2013
SAN ANDRES	1,000	3,700		2	12/17/2013
LEONARD	3,100	4,200		3	12/17/2013
WOLFCAMP	3,400	6,300		4	12/17/2013
CANYON	4,000	8,800		5	12/17/2013
STRAWN	7,100	11,600		6	12/17/2013
DEVONIAN	8,900	11,900		7	12/17/2013
ELLENBURGER	6,500	13,400		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.

BLOCK 40,  
UNIVERSITY LAND

BLOCK 41,  
UNIVERSITY LAND



**Surface Hole Location:**  
**GROUND ELEVATION:**  
 SHL Ground Elevation: 2637'  
**COORDINATES:**  
**NAD 27 TX-C ZONE:**  
 X = 1742241.11 Y = 493716.59  
 LAT.: N 31°01'17.72" LONG.: W 101°09'22.47"  
 LAT.: N 31.0215867 LONG.: W 101.1562406

**SURVEY LINE PERPENDICULARS:**  
 2494' FSL & 1621' FWL (Sec. 10)  
**UNIT LINE PERPENDICULARS:**  
 8388' FNL & 3670' FEL

**Penetration Point:**  
**COORDINATES:**  
**NAD 27 TX-C ZONE:**  
 X = 1742294.14 Y = 493801.37  
 LAT.: N 31°01'18.56" LONG.: W 101°09'21.86"  
 LAT.: N 31.0218229 LONG.: W 101.1560733

**SURVEY LINE PERPENDICULARS:**  
 2578' FSL & 1673' FWL (Sec. 10)  
**UNIT LINE PERPENDICULARS:**  
 8303' FNL & 3617' FEL

**First Take Point:**  
**COORDINATES:**  
**NAD 27 TX-C ZONE:**  
 X = 1742589.55 Y = 494289.43  
 LAT.: N 31°01'23.42" LONG.: W 101°09'18.40"  
 LAT.: N 31.0231710 LONG.: W 101.1551098

**SURVEY LINE PERPENDICULARS:**  
 2369' FNL & 1977' FWL (Sec. 10)  
**UNIT LINE PERPENDICULARS:**  
 7814' FNL & 3314' FEL

**Last Take Point:**  
**COORDINATES:**  
**NAD 27 TX-C ZONE:**  
 X = 1742623.19 Y = 501873.15  
 LAT.: N 31°02'38.48" LONG.: W 101°09'18.78"  
 LAT.: N 31.0440230 LONG.: W 101.1552132

**SURVEY LINE PERPENDICULARS:**  
 230' FNL & 1977' FWL (Sec. 3)  
**UNIT LINE PERPENDICULARS:**  
 230' FNL & 3315' FEL

**Bottom Hole Location:**  
**COORDINATES:**  
**NAD 27 TX-C ZONE:**  
 X = 1742623.81 Y = 502073.15  
 LAT.: N 31°02'40.46" LONG.: W 101°09'18.78"  
 LAT.: N 31.0445729 LONG.: W 101.1552159

**SURVEY LINE PERPENDICULARS:**  
 30' FNL & 1977' FWL (Sec. 3)  
**UNIT LINE PERPENDICULARS:**  
 30' FNL & 3315' FEL

EP ENERGY  
E&P COMPANY, L.P.  
50621.975 ACRES (CALLED)  
"University East"



REV	BY	DATE	REVISION
1	JBT	03/13/2014	
2	JBT	03/17/2014	
3	KR	06/9/2014	

CERTIFICATION:



*William J. Keating*  
 Texas Reg. No. 5041

LEGEND:

	Prop. Wellbore
	Unit Boundary
	Section Lines
	Fence
	Powerline
	Water Line
	Pipeline
	Lease Road
	Calculated Corner

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us. This plot does not in any way represent a "Boundary Survey", and does not comply with correct I.B.P.L.S. Minimum Standards of Procedures for Boundary Surveys.

**EP ENERGY**  
 EP ENERGY E&P COMPANY, L.P.

LEASE NAME & WELL NO.:  
**UNIVERSITY EAST 4110BH**  
 TOPOGRAPHY & VEGETATION:  
 NATURAL MESQUITE PASTURE  
 NEAREST TOWN IN COUNTY:  
 ±21.8 MILES NORTHEAST OF OZONA, TEXAS

LOCATION DESCRIPTION:  
 SECTION 10, BLOCK 41, UNIVERSITY LAND  
 SECTION 10, BLOCK 41, UNIVERSITY LAND  
 SECTION 3, BLOCK 41, UNIVERSITY LAND  
 CROCKETT COUNTY, TEXAS