



**RAILROAD COMMISSION OF TEXAS**

**Form W-2**

1701 N. Congress  
P.O. Box 12967  
Austin, Texas 78701-2967

Status: Approved  
Date: 04/18/2019  
Tracking No.: 197648

**OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,**

**OPERATOR INFORMATION**

<b>Operator</b>	EP ENERGY E&P COMPANY, L.P.	<b>Operator</b>	253385
<b>Operator</b>	ATTN CHELSEA CANTRELLE PO BOX 4660 HOUSTON, TX 77210-4660		

**WELL INFORMATION**

<b>API</b>	42-105-42411	<b>County:</b>	CROCKETT
<b>Well No.:</b>	4128EH	<b>RRC District</b>	7C
<b>Lease</b>	UNIVERSITY EAST	<b>Field</b>	LIN (WOLFCAMP)
<b>RRC Lease</b>	17576	<b>Field No.:</b>	53613750
<b>Location</b>	Section: 28, Block: 41, Survey: UL, Abstract: U348		
<b>Latitude</b>		<b>Longitud</b>	
<b>This well is</b>	10.37	<b>miles in a</b>	S
<b>direction from</b>	BARNHART,		
<b>which is the nearest town in the</b>			

**FILING INFORMATION**

<b>Purpose of</b>	Initial Potential		
<b>Type of</b>	New Well		
<b>Well Type:</b>	Producing	<b>Completion or Recompletion</b>	04/15/2018
<b>Type of Permit</b>		<b>Date</b>	
<b>Permit to Drill, Plug Back, or</b>		06/29/2017	<b>Permit No.</b>
<b>Rule 37 Exception</b>			828181
<b>Fluid Injection</b>			
<b>O&amp;G Waste Disposal</b>			
<b>Other:</b>			

**COMPLETION INFORMATION**

<b>Spud</b>	07/12/2017	<b>Date of first production after rig</b>	04/15/2018
<b>Date plug back, deepening, drilling operation</b>	03/25/2018	<b>Date plug back, deepening, recompletion, drilling operation</b>	04/15/2018
<b>Number of producing wells on this lease this field (reservoir) including this</b>	226	<b>Distance to nearest well in lease &amp; reservoir</b>	349.0
<b>Total number of acres in</b>	43372.00	<b>Elevation</b>	2630 GL
<b>Total depth TVD</b>	6292	<b>Total depth MD</b>	14118
<b>Plug back depth TVD</b>		<b>Plug back depth MD</b>	
<b>Was directional survey made other inclination (Form W-</b>	Yes	<b>Rotation time within surface casing</b>	58.5
<b>Recompletion or</b>	No	<b>Is Cementing Affidavit (Form W-15)</b>	Yes
<b>Type(s) of electric or other log(s)</b>	None	<b>Multiple</b>	No
<b>Electric Log Other Description:</b>			
<b>Location of well, relative to nearest lease of lease on which this well is</b>	8219.0 Feet from the	<b>Off Lease :</b>	No
	8672.0 Feet from the	<b>South Line and</b>	
		<b>East Line of the</b>	
		<b>UNIVERSITY EAST Lease.</b>	

**FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.**

<u>Field &amp; Reservoir</u>	<u>Gas ID or Oil Lease</u>	<u>Well No.</u>	<u>Prior Service Type</u>
W2:	N/A		

PACKET: N/A

**FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:**

**GAU Groundwater Protection Determination**                      **Depth**                      800.0                      **Date**                      06/26/2017  
**SWR 13 Exception**    **Depth**

**INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION**

**Date of**                      05/04/2018                      **Production**                      Flowing  
**Number of hours**                      24                      **Choke**                      128  
**Was swab used during this**                      No                      **Oil produced prior to**                      4865.00

**PRODUCTION DURING TEST PERIOD:**

**Oil**                      616.00                      **Gas**                      453  
**Gas - Oil**                      735                      **Flowing Tubing**                      190.00  
**Water**                      1960

**CALCULATED 24-HOUR RATE**

**Oil**                      616.0                      **Gas**                      453  
**Oil Gravity - API - 60.:**                      43.7                      **Casing**                      952.00  
**Water**                      1960

**CASING RECORD**

<u>Ro</u>	<u>Type of Casing</u>	<u>Casing Size (in.)</u>	<u>Hole Size</u>	<u>Setting Depth</u>	<u>Multi - Stage</u>	<u>Multi - Stage Shoe</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined By</u>
1	Surface	9 5/8	12 1/4	965			C/POZ; C	600	1232.8	0	Circulated to Surface
2	Conventional Production	5 1/2	8 1/2	14104			C/POZ;H/P OZ	2045	3559.4	0	Circulated to Surface

**LINER RECORD**

<u>Ro</u>	<u>Liner Size</u>	<u>Hole Size</u>	<u>Liner Top</u>	<u>Liner Bottom</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined</u>
N/A									

**TUBING RECORD**

<u>Ro</u>	<u>Size (in.)</u>	<u>Depth</u>	<u>Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8	6128		6117 / RTRV PACKER RETRIEVABLE

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L1 6503	14010.0

**ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.**

**Was hydraulic fracturing treatment**                      Yes  
**Is well equipped with a downhole sleeve?**                      Yes                      **If yes, actuation pressure**                      0.0  
**Production casing test pressure (PSIG) hydraulic fracturing**                      8500                      **Actual maximum pressure (PSIG) during fracturin**                      8046  
**Has the hydraulic fracturing fluid disclosure been**                      Yes

Ro                      Type of Operation                      Amount and Kind of Material Used                      Depth Interval (ft.)

**FORMATION RECORD**

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
QUEEN	Yes	1120.3	1120.4	Yes	LOGGED MWD GR
SAN ANDRES	Yes	1460.6	1461.4	Yes	LOGGED MWD GR
LEONARD	Yes	3331.1	3381.8	Yes	LOGGED MWD GR
WOLFCAMP	Yes	5751.8	5840.9	Yes	PRODUCING INTERVAL
CANYON	No			Yes	NOT PENETRATED
STRAWN	No			Yes	NOT PENETRATED
DEVONIAN	No			Yes	NOT PENETRATED
ELLENBURGER	No			Yes	NOT PENETRATED

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm

No

Is the completion being downhole commingled

No

**REMARKS**

UNIVERSITY EAST 4128EH KOP 5847'

ALL REQUIRED ADDITIONAL FORMS OR ATTACHMENTS WERE PREVIOUSLY SUBMITTED WITH WRO W-2, TRACKING #190052

**RRC REMARKS****PUBLIC COMMENTS:**

[RRC Staff 2018-08-20 14:12:37.545] Actuation Sleeve did not open.

**CASING RECORD :****TUBING RECORD:****PRODUCING/INJECTION/DISPOSAL INTERVAL :****ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :****POTENTIAL TEST DATA:****OPERATOR'S CERTIFICATION**

**Printed** Rita Martinez-Dean  
**Telephone** (713) 997-6212

**Title:** Associate Analyst  
**Date** 11/15/2018



*This facsimile L-1 was generated electronically from data submitted to the RRC.*

Tracking No.: 197648

**Instructions**

**When to File Form L-1:**

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

**When is Form L-1 NOT required:**

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

**Where to File Form L-1:**

- with the appropriate Commission district office

**Filling out Form L-1:**

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

**Type of log required:**

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

**SECTION I. IDENTIFICATION**

Operator Name: EP ENERGY E&P COMPANY, L.P.	District No. 7C	Completion Date: 04/15/2018
Field Name LIN (WOLFCAMP)	Drilling Permit No. 828181	
Lease Name UNIVERSITY EAST	Lease/ID No. 17576	Well No. 4128EH
County CROCKETT	API No. 42- 105-42411	

**SECTION II. LOG STATUS (Complete either A or B)**

A. BASIC ELECTRIC LOG NOT RUN

B. BASIC ELECTRIC LOG RUN. (Select one)

- 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- 4. Log attached to (select one):
  - (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: \_\_\_\_\_  
 Check here if attached log is being submitted after being held confidential.
  - (b) Form P-7, Application for Discovery Allowable and New Field Designation.
  - (c) Form W-4, Application for Multiple Completion:  
 Lease or ID No(s). \_\_\_\_\_  
 Well No(s). \_\_\_\_\_

Rita Martinez-Dean _____ Signature EP ENERGY E&P COMPANY, L.P. _____ Name (print)	Associate Analyst _____ Title (713) 997-6212 _____ Phone 08/13/2018 _____ Date
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-FOR RAILROAD COMMISSION USE ONLY-

# GAMMA LOG

**Company:** EP Energy E&P Company  
**Well Name:** University East 4128 EH  
**API:** 42-105-42411  
**County/Parish:** Crockett  
**State/Prov:** Texas  
**Country:** USA  
**Job #:** T3663

**Company:** EP Energy E&P Company  
**Well Name:** University East 4128 EH  
**API:** 42-105-42411  
**County/Parish:** Crockett  
**State or Prov:** Texas  
**Country:** USA  
**Job number:** T3663  
**Field:** Wolfcamp Shale  
**Rig Identification:** Nabors F-34  
**Survey Company:** Nabors Drilling Solutions  
**MWD Operator 1** Tyler Patton  
**MWD Operator 2** Rigline 24/7  
**Geologist** Lauren Robinson  
**Drilling Engineer** Brad Macafee  
**Coordinates** LAT: 30.97743481 N LON: 101.1719781 W

<b>Log measurements:</b> Gamma/DIR/ROP/Temp	<b>Depth</b>	<b>Date</b>
<b>Depth measured from:</b> Drill Floor - 30 ft	<b>Start:</b> 1122 ft	08/26/2017
<b>Maximum temperature:</b> 189.5 F	<b>End:</b> 14118 ft	08/30/2017

<b>Casing</b>	<b>Depth</b>	<b>Size</b>	<b>Mud type:</b> OBM	<b>Elevations</b>
<b>Surface:</b>	1122 ft	9 5/8"	<b>Density:</b> 9.3 ppg	<b>KB:</b> N/A ft
<b>Intermediate:</b>			<b>Viscosity:</b> 54 sec/qt	<b>DF:</b> 30.00 ft
			<b>Rm:</b> NA <b>Rmf:</b> NA <b>Rmc:</b> NA	<b>GL:</b> 2630 ft

Run	Bit Size	Offsets		Depths		Dates	
		Gamma	Survey	Start	End	Start	End
1	8 3/4"	48.00 ft	49.00 ft	1122 ft	5847 ft	08/26/2017	08/27/2017
2	8 3/4"	50.00 ft	51.00 ft	5847 ft	6495 ft	08/27/2017	08/28/2017
3	8 1/2"	52.00 ft	53.00 ft	6495 ft	14118 ft	08/28/2017	08/30/2017
4							
5							
6							
7							
8							
9							
10							



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Form P-16

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Acreage Designation

SECTION I. OPERATOR INFORMATION

Operator Name: EP ENERGY E&P COMPANY, L.P. Operator P-5 No.: 253385
Operator Address: PO BOX 4660 HOUSTON, TEXAS 77210

SECTION II. WELL INFORMATION

Table with well information: District No., Well No., Total Lease Acres, Lease Name, Field Name, County, API No., Drilling Permit No., Lease No., Field No., Purpose of Filing.

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below.

SECTION III. LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER

Table listing wells with columns: RRC ID No. or Lease No., Well No., H-Horizontal D-Directional V-Vertical, Lease Name, API No., Acres Assigned, SWR 38 Except. (Y/N), Operator Name and Operator No.

Summary table for well counts: Total Well Count, Total Assigned Horiz. Acreage, Total Remaining Horiz. Acreage, Total Assigned Vert./Dir. Acreage, Total Remaining Vert./Dir. Acreage.

SECTION IV. REMARKS / PURPOSE OF FILING (see instructions)

Empty box for remarks or purpose of filing.

Attach Additional Pages As Needed. No additional pages Additional Pages: (No. of additional pages)

CERTIFICATION: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that this report was prepared by me or under my supervision or direction, that I am authorized to make this report, and that the information contained in this report is true, correct, and complete to the best of my knowledge.

Signature: Rita M. Dean, Assoc Analyst, rita.martinez@epenergy.com

Address: 1001 Louisiana Street, Houston, TX 77002; City, State, Zip Code; Tel: 713-997-6212; Date: 03/27/17



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## Acreage Designation Attachment

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**SECTION III (CONTINUED). LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER**

RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)
17576	4108KH	H	UNIVERSITY EAST	10542076	200	N	
17576	4108LH	H	UNIVERSITY EAST	10542070	200	N	
17576	4109AH	H	UNIVERSITY EAST	10541801	200	N	
17576	4109BH	H	UNIVERSITY EAST	10541802	200	N	
17576	4109CH	H	UNIVERSITY EAST	10541803	200	N	
17576	4109DH	H	UNIVERSITY EAST	10541804	200	N	
17576	4109EH	H	UNIVERSITY EAST	10541805	200	N	
17576	4109FH	H	UNIVERSITY EAST	10541806	200	N	
17576	4109GH	H	UNIVERSITY EAST	10541818	200	N	
17576	4109HH	H	UNIVERSITY EAST	10541819	200	N	
17576	4109IH	H	UNIVERSITY EAST	10541820	200	N	
17576	4109JH	H	UNIVERSITY EAST	10542071	200	N	
17576	4109KH	H	UNIVERSITY EAST	10542073	200	N	
17576	4109LH	H	UNIVERSITY EAST	10542075	200	N	
17576	4109MH	H	UNIVERSITY EAST	10542077	200	N	
17576	4109NH	H	UNIVERSITY EAST	10542081	200	N	
17576	4109OH	H	UNIVERSITY EAST	10542078	200	N	
17576	4109PH	H	UNIVERSITY EAST	10542080	200	N	
17576	4109QH	H	UNIVERSITY EAST	10542079	200	N	
17576	4109RH	H	UNIVERSITY EAST	10542082	200	N	
17576	4110AH	H	UNIVERSITY EAST	10542039	200	N	
17576	4110BH	H	UNIVERSITY EAST	10542042	200	N	
17576	4110CH	H	UNIVERSITY EAST	10542040	200	N	
17576	4110DH	H	UNIVERSITY EAST	10542043	200	N	
17576	4110EH	H	UNIVERSITY EAST	10542041	200	N	
17576	4110FH	H	UNIVERSITY EAST	10542044	200	N	
17576	4110GH	H	UNIVERSITY EAST	10542112	200	N	
17576	4110HH	H	UNIVERSITY EAST	10542086	200	N	
17576	4110IH	H	UNIVERSITY EAST	10542087	200	N	
17576	4110JH	H	UNIVERSITY EAST	10542088	200	N	
17576	4110KH	H	UNIVERSITY EAST	10542089	200	N	
17576	4110LH	H	UNIVERSITY EAST	10542090	200	N	
17576	4110MH	H	UNIVERSITY EAST	10542309	200	N	
17576	4110NH	H	UNIVERSITY EAST	10542310	200	N	
17576	4110OH	H	UNIVERSITY EAST	10542311	200	N	
17576	4116AH	H	UNIVERSITY EAST	10542223	200	N	
17576	4118AH	H	UNIVERSITY EAST	10541724	200	N	
17576	4118BH	H	UNIVERSITY EAST	10541725	200	N	
17576	4118CH	H	UNIVERSITY EAST	10541726	200	N	

<b>Total Well Count &gt;</b>	226	42680	<b>&lt; A. Total Assigned Horiz. Acreage</b>	42680	<b>&lt; C. Total Assigned Acreage</b>
		712	<b>&lt; Total Remaining Horiz. Acreage</b>	712	<b>&lt; Total Remaining Acreage</b>
		0	<b>&lt; B. Total Assigned Vert./Dir. Acreage</b>		
		43372	<b>&lt; Total Remaining Vert./Dir. Acreage</b>		



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## Acreage Designation Attachment

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**SECTION III (CONTINUED). LISTING OF ALL WELLS IN THE APPLIED-FOR FIELD ON THE SAME ACREAGE AS THE LEASE, POOLED UNIT, OR UNITIZED TRACT DESIGNATED IN SECTION II ABOVE BY FILER**

RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)
17576	4118DH	H	UNIVERSITY EAST	10541727	200	N	
17576	4118EH	H	UNIVERSITY EAST	10541728	200	N	
17576	4118FH	H	UNIVERSITY EAST	10541729	200	N	
17576	4118GH	H	UNIVERSITY EAST	10541730	200	N	
17576	4118HH	H	UNIVERSITY EAST	10541731	200	N	
17576	4322AH	H	UNIVERSITY EAST	23535043	200	N	
17576	4322CH	H	UNIVERSITY EAST	23535047	200	N	
17576	4322DH	H	UNIVERSITY EAST	23535069	200	N	
17576	4322EH	H	UNIVERSITY EAST	23535068	200	N	
17576	4322FH	H	UNIVERSITY EAST	23535070	200	N	
17576	4322GH	H	UNIVERSITY EAST	23535067	200	N	
17576	4322HH	H	UNIVERSITY EAST	23536049	200	N	
17576	4322IH	H	UNIVERSITY EAST	23536050	200	N	
17576	4322JH	H	UNIVERSITY EAST	23536051	200	N	
18782	4322KH	H	UNIVERSITY EAST	23536052	200	N	
18782	4322LH	H	UNIVERSITY EAST	23536109	200	N	
18782	4322MH	H	UNIVERSITY EAST	23536110	200	N	
18782	4322NH	H	UNIVERSITY EAST	23536113	200	N	
18782	4322OH	H	UNIVERSITY EAST	23536111	200	N	
18782	4322PH	H	UNIVERSITY EAST	23536112	200	N	
18782	4323AH	H	UNIVERSITY EAST	23534817	200	N	
18782	4323BH	H	UNIVERSITY EAST	23534818	200	N	
18782	4323CH	H	UNIVERSITY EAST	23535034	200	N	
18782	4323DH	H	UNIVERSITY EAST	23535035	200	N	
18782	4323EH	H	UNIVERSITY EAST	23535925	200	N	
18782	4323FH	H	UNIVERSITY EAST	23535929	200	N	
18782	4323GH	H	UNIVERSITY EAST	23535968	200	N	
18782	4323HH	H	UNIVERSITY EAST	23536084	200	N	
18782	4323IH	H	UNIVERSITY EAST	23536085	200	N	
18782	4323JH	H	UNIVERSITY EAST	23536086	200	N	
18782	4323KH	H	UNIVERSITY EAST	23536087	200	N	
18782	4324AH	H	UNIVERSITY EAST	38337406	200	N	
18782	4324BH	H	UNIVERSITY EAST	23535026	200	N	
18782	4324CH	H	UNIVERSITY EAST	23535024	200	N	
18782	4324DH	H	UNIVERSITY EAST	38339085	200	N	
18782	4324EH	H	UNIVERSITY EAST	38339086	200	N	
18782	4324FH	H	UNIVERSITY EAST	38339087	200	N	
18782	4324GH	H	UNIVERSITY EAST	38339088	200	N	
18782	4324HH	H	UNIVERSITY EAST	38339089	200	N	

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		712	<b>&lt; Total Remaining Horiz. Acreage</b>	712	<b>&lt; Total Remaining Acreage</b>
		0	<b>&lt; B. Total Assigned Vert./Dir. Acreage</b>		
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RRC ID No. or Lease No.	Well No.	H-Horizontal D-Directional V-Vertical	Lease Name	API No.	Acres Assigned	SWR 38 Except. (Y/N)	Operator Name and Operator No. (if different from filing operator)
17576	4324IH	H	UNIVERSITY EAST	38339090	200	N	
17576	4324JH	H	UNIVERSITY EAST	23535922	200	N	
17576	4324KH	H	UNIVERSITY EAST	23535923	200	N	
17576	4324LH	H	UNIVERSITY EAST	23535924	200	N	
17576	4325AH	H	UNIVERSITY EAST	38337936	200	N	
17576	4325BH	H	UNIVERSITY EAST	38338362	200	N	
17576	4325CH	H	UNIVERSITY EAST	38338364	200	N	
17576	4325DH	H	UNIVERSITY EAST	38339335	200	N	
17576	4325EH	H	UNIVERSITY EAST	38339336	200	N	
17576	4325FH	H	UNIVERSITY EAST	38339337	200	N	
17576	4411AH	H	UNIVERSITY EAST	10541624	200	N	
17576	4411BH	H	UNIVERSITY EAST	10541626	200	N	
17576	4411CH	H	UNIVERSITY EAST	10541643	200	N	
17576	4411DH	H	UNIVERSITY EAST	10541623	200	N	
17576	4411EH	H	UNIVERSITY EAST	10541625	200	N	
17576	4411FH	H	UNIVERSITY EAST	10541637	200	N	
17576	4411GH	H	UNIVERSITY EAST	10542006	200	N	
17576	4411HH	H	UNIVERSITY EAST	10542007	200	N	
17576	4411IH	H	UNIVERSITY EAST	10542008	200	N	
17576	4411JH	H	UNIVERSITY EAST	10542009	200	N	
17576	4411KH	H	UNIVERSITY EAST	10542010	200	N	
17576	4411LH	H	UNIVERSITY EAST	10542011	200	N	
17576	4411MH	H	UNIVERSITY EAST	10542028	200	N	
17576	4411NH	H	UNIVERSITY EAST	10542038	200	N	
17576	4412AH	H	UNIVERSITY EAST	10541627	200	N	
17576	4412BH	H	UNIVERSITY EAST	10541628	200	N	
17576	4412CH	H	UNIVERSITY EAST	10541629	200	N	
17576	4412DH	H	UNIVERSITY EAST	10541661	200	N	
17576	4412EH	H	UNIVERSITY EAST	10541660	200	N	
17576	4412FH	H	UNIVERSITY EAST	10541659	200	N	
17576	4412GH	H	UNIVERSITY EAST	10541632	200	N	
17576	4412HH	H	UNIVERSITY EAST	10541634	200	N	
17576	4412IH	H	UNIVERSITY EAST	10541635	200	N	
17576	4412JH	H	UNIVERSITY EAST	10541875	200	N	
17576	4412KH	H	UNIVERSITY EAST	10541877	200	N	
17576	4412NH	H	UNIVERSITY EAST	10541878	200	N	
17576	4412OH	H	UNIVERSITY EAST	10541882	200	N	
17576	4412RH	H	UNIVERSITY EAST	10541884	200	N	
17576	4412SH	H	UNIVERSITY EAST	10541869	200	N	

<b>Total Well Count &gt;</b>	226	42680	<b>&lt; A. Total Assigned Horiz. Acreage</b>	42680	<b>&lt; C. Total Assigned Acreage</b>
		712	<b>&lt; Total Remaining Horiz. Acreage</b>	712	<b>&lt; Total Remaining Acreage</b>
		0	<b>&lt; B. Total Assigned Vert./Dir. Acreage</b>		
		43372	<b>&lt; Total Remaining Vert./Dir. Acreage</b>		





















## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 26 June 2017      **GAU Number:** 173492

<b>Attention:</b>	EP ENERGY E&P COMPANY, ATTN JOSEPH ARAIZA HOUSTON, TX 77210	<b>API Number:</b>	
<b>Operator No.:</b>	253385	<b>County:</b>	CROCKETT
		<b>Lease Name:</b>	UNIVERSITY EAST
		<b>Lease Number:</b>	17576
		<b>Well Number:</b>	4128FH
		<b>Total Vertical Depth:</b>	8999
		<b>Latitude:</b>	30.977435
		<b>Longitude:</b>	-101.171914
		<b>Datum:</b>	NAD27

**Purpose:** New Drill  
**Location:** Survey-UL; Abstract-U348; Block-41; Section-28

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 800 feet must be protected.

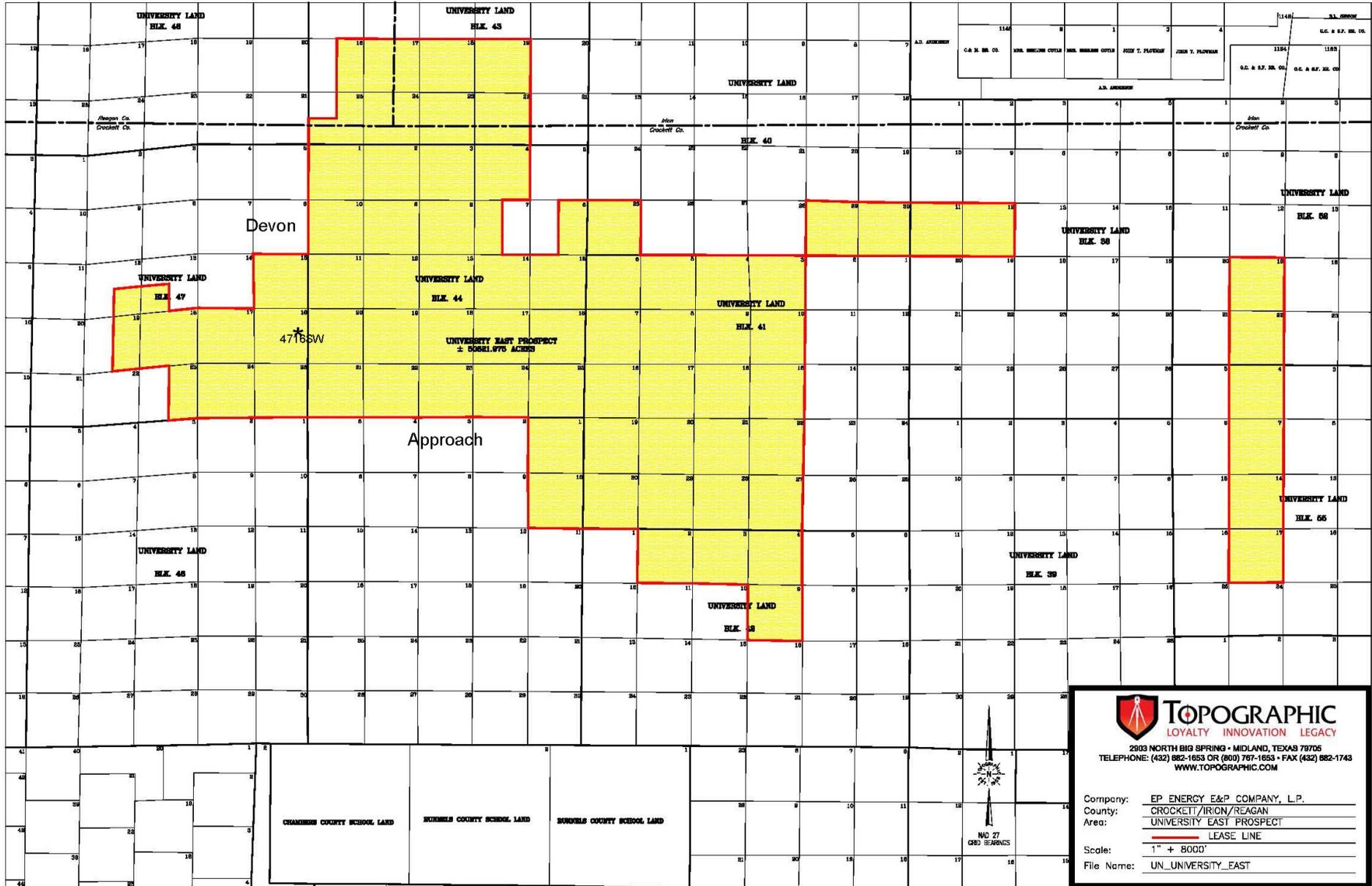
This recommendation is applicable to all wells within a radius of 1800 feet of this location.

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).

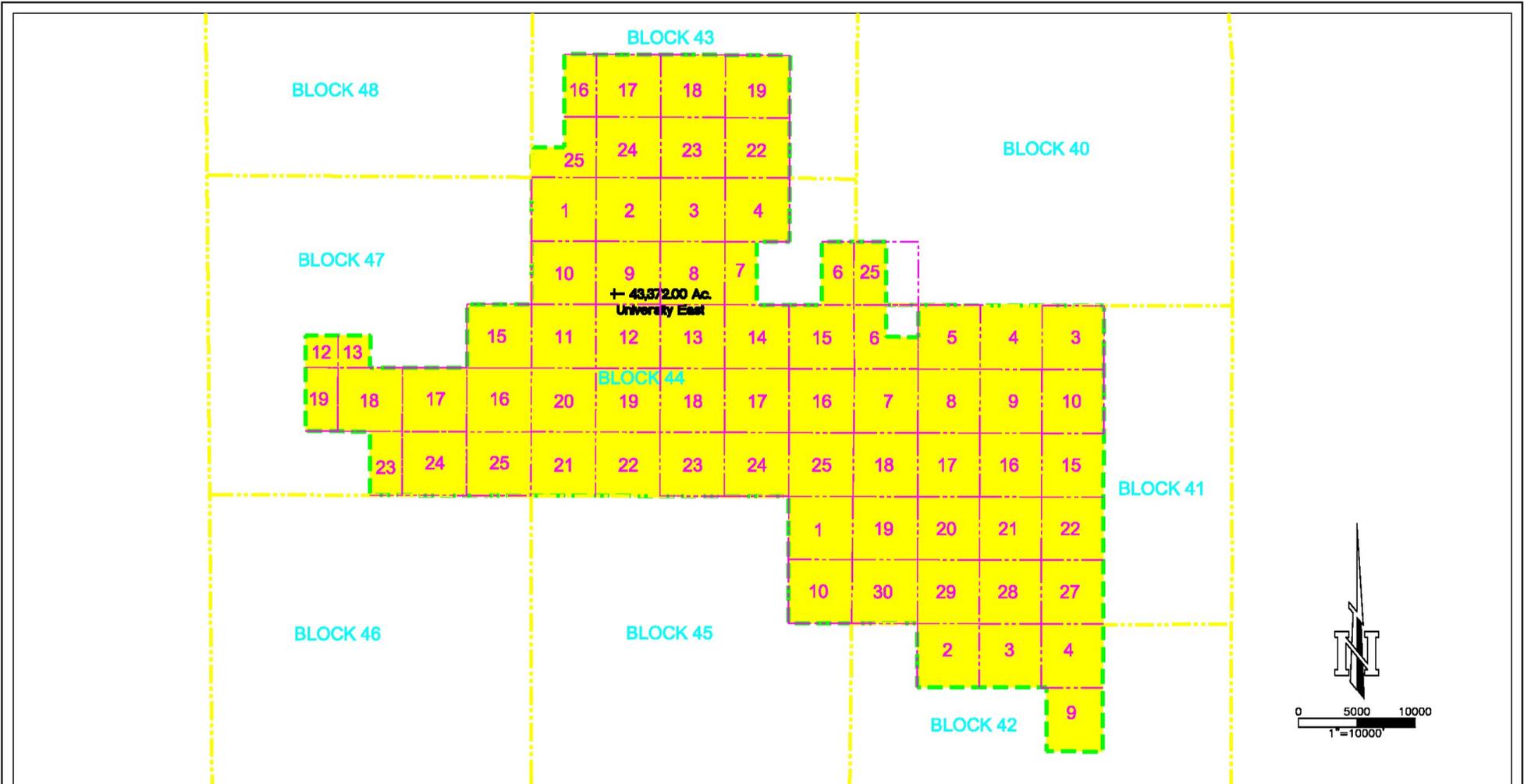
This determination is based on information provided when the application was submitted on 06/22/2017. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

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



Note: University Lands is the only offset surface owner.

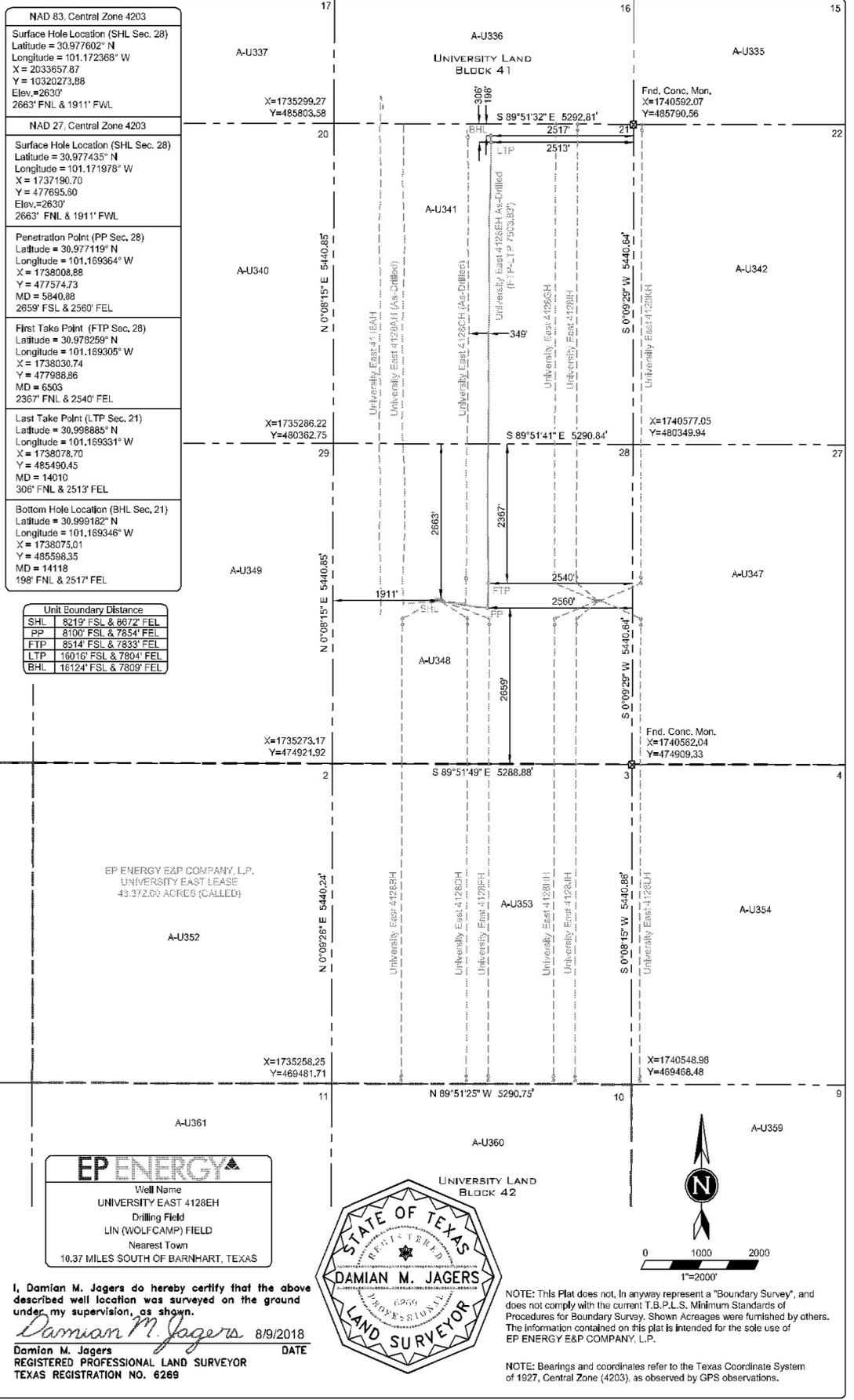


**KSA** Energy Services

140 E. Tyler St., Ste. 600 Longview, Texas 75601  
 T. 903-236-7700 F. 903-236-7779  
 www.ksaeng.com

EP ENERGY E&P COMPANY, L.P.

University East  
 Block 40, 41, 42, 43, 44, 45 & 47  
 Crockett, Reagan and Irion County, Texas



NAD 83, Central Zone 4203

Surface Hole Location (SHL Sec. 28)  
 Latitude = 30.977602° N  
 Longitude = 101.172368° W  
 X = 2033657.87  
 Y = 10320273.88  
 Elev. = 2630'  
 2663' FNL & 1911' FWL

NAD 27, Central Zone 4203

Surface Hole Location (SHL Sec. 28)  
 Latitude = 30.977435° N  
 Longitude = 101.171978° W  
 X = 1737190.70  
 Y = 477695.90  
 Elev. = 2630'  
 2663' FNL & 1911' FWL

Penetration Point (PP Sec. 28)  
 Latitude = 30.977119° N  
 Longitude = 101.169364° W  
 X = 1738008.88  
 Y = 477574.73  
 MD = 5840.88  
 2659' FSL & 2560' FEL

First Take Point (FTP Sec. 28)  
 Latitude = 30.976259° N  
 Longitude = 101.169305° W  
 X = 1738030.74  
 Y = 477989.86  
 MD = 6503  
 2367' FNL & 2540' FEL

Last Take Point (LTP Sec. 21)  
 Latitude = 30.998885° N  
 Longitude = 101.169331° W  
 X = 1738078.70  
 Y = 485490.45  
 MD = 14010  
 306' FNL & 2513' FEL

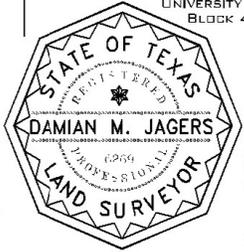
Bottom Hole Location (BHL Sec. 21)  
 Latitude = 30.999182° N  
 Longitude = 101.169346° W  
 X = 1738075.01  
 Y = 485598.35  
 MD = 14118  
 198' FNL & 2517' FEL

Unit Boundary Distance	
SHL	8219' FSL & 8672' FEL
PP	8100' FSL & 7854' FEL
FTP	8514' FSL & 7833' FEL
LTP	16016' FSL & 7804' FEL
BHL	16124' FSL & 7809' FEL

EP ENERGY E&P COMPANY, L.P.  
 UNIVERSITY EAST LEASE  
 43.372,00 ACRES (CALLED)

**EP ENERGY**

Well Name  
 UNIVERSITY EAST 4128EH  
 Drilling Field  
 LIN (WOLFCAMP) FIELD  
 Nearest Town  
 10.37 MILES SOUTH OF BARNHART, TEXAS



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* 8/9/2018  
 DATE  
**Damian M. Jagers**  
 REGISTERED PROFESSIONAL LAND SURVEYOR  
 TEXAS REGISTRATION NO. 6269

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.



As-Drilled Plat  
 For  
 EP Energy E&P Company, L.P.

University East 4128EH  
 Block 41, Section 28  
 Block 41, Section 21  
 Crockett County, Texas