

API No. <u>42-105-42313</u>	RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION				FORM W-1 07/2004	
Drilling Permit # <u>811281</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. 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 CHELSEA CHAPMAN PO BOX 4660 HOUSTON, TX 77210-4660		
4. Lease Name UNIVERSITY SALT DRAW			5. Well No. 4101GH			
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 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 CROCKETT		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>7.18</u> miles in a <u>SE</u> direction from <u>Barnhart</u> which is the nearest town in the county of the well site.						
15. Section 1	16. Block 41	17. Survey UNIVERSITY LANDS		18. Abstract No. A-	19. Distance to nearest lease line: 230 ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: 34139.43
21. Lease Perpendiculars: <u>8601</u> ft from the <u>NORTH</u> line and <u>10307</u> ft from the <u>WEST</u> line.						
22. Survey Perpendiculars: <u>2288</u> ft from the <u>SOUTH</u> line and <u>638</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
7C	53613750	LIN (WOLFCAMP)		Oil or Gas Well	7000	1089.00
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)						
Remarks [FILER Oct 16, 2015 10:43 AM]: This well is located within the University Salt Draw Drilling & Development Unit. FTP = 7735' FNL & 9561' FWL LTP = 230' FNL & 9561' FWL				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 Oct 16, 2015 Date submitted		
RRC Use Only Data Validation Time Stamp: Oct 23, 2015 8:46 AM(Current Version)				(713)9975138 Phone linda.renken@epenergy.com E-mail Address (OPTIONAL)		

**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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A certification of the automated data is available in the RRC's Austin office.*

Permit # **811281**
Approved Date: **Oct 23, 2015**

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 SALT DRAW	4. Well No. 4101GH
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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 30	7. Block 40	8. Survey UNIVERSITY LANDS	9. Abstract	10. County of BHL CROCKETT
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11. Terminus Lease Line Perpendiculars 30 ft. from the North line. and 6561 ft. from the West line
12. Terminus Survey Line Perpendiculars 30 ft. from the North line. and 1384 ft. from the East line
13. Penetration Point Lease Line Perpendiculars 8525 ft. from the North line. and 10241 ft. from the West 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

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.state.tx.us/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued:	16 October 2015	GAU Number:	17026
Attention:	EP ENERGY E&P COMPANY, ATTN CHELSEA CHAPMAN HOUSTON, TX 77210	API Number:	
Operator No.:	253385	County:	CROCKETT
		Lease Name:	University Salt Draw
		Lease Number:	18942
		Well Number:	4101HH
		Total Vertical Depth:	8999
		Latitude:	31.036144
		Longitude:	-101.111625
		Datum:	NAD27

Purpose: New Drill
Location: Survey-UL; Abstract-U321; Block-41; Section-1

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 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 10/15/2015. 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

NAD 83, Zone 4203
 Surface Hole Location (SHL Sec. 1)
 Latitude: 31.036310° N
 Longitude: 101.112078° W
 X=2052699.79
 Y=10341488.54
 Elev.=2610' Sc.
 2288' FSL & 638' FEL

NAD 27, Zone 4203
 Surface Hole Location (SHL Sec. 1)
 Latitude: 31.036144° N
 Longitude: 101.111689° W
 X=1756232.75
 Y=498909.76
 Elev.=2610' Sc.
 2288' FSL & 638' FEL

Point of Penetration (PP Sec. 1)
 Latitude: 31.036352° N
 Longitude: 101.111899° W
 X=1756167.69
 Y=498985.70
 2364' FSL & 703' FEL

First Take Point (FTP Sec. 1)
 Latitude: 31.038515° N
 Longitude: 101.114082° W
 X=1755489.55
 Y=499777.24
 2291' FNL & 1384' FEL

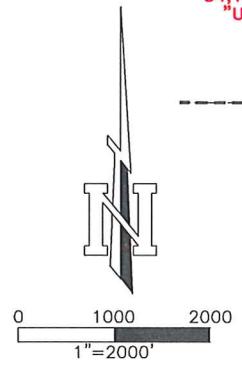
Last Take Point (LTP Sec.30 Blk.40)
 Latitude: 31.059150° N
 Longitude: 101.114172° W
 X=1755513.79
 Y=507282.07
 230' FNL & 1384' FEL

Bottom Hole Location
 (BHL Sec.30 Blk.40)
 Latitude: 31.059700° N
 Longitude: 101.114175° W
 X=1755514.44
 Y=507482.07
 30' FNL & 1384' FEL

EP ENERGY
 Lease Name and Well Number
UNIVERSITY SALT DRAW 4101GH
 Topography and Vegetation
 SCATTERED MESQUITE and CACTUS
 7.18 MILES SOUTHEAST OF BARNHART, TEXAS

Unit Boundary Distance	
SHL	8601' FNL & 10307' FWL
PP	8525' FNL & 10241' FWL
FTP	7735' FNL & 9561' FWL
LTP	230' FNL & 9561' FWL
BHL	30' FNL & 6561' FWL

EP ENERGY
 E&P COMPANY, L.P.
 34,139.427 Acres (Called)
 "University Salt Draw"

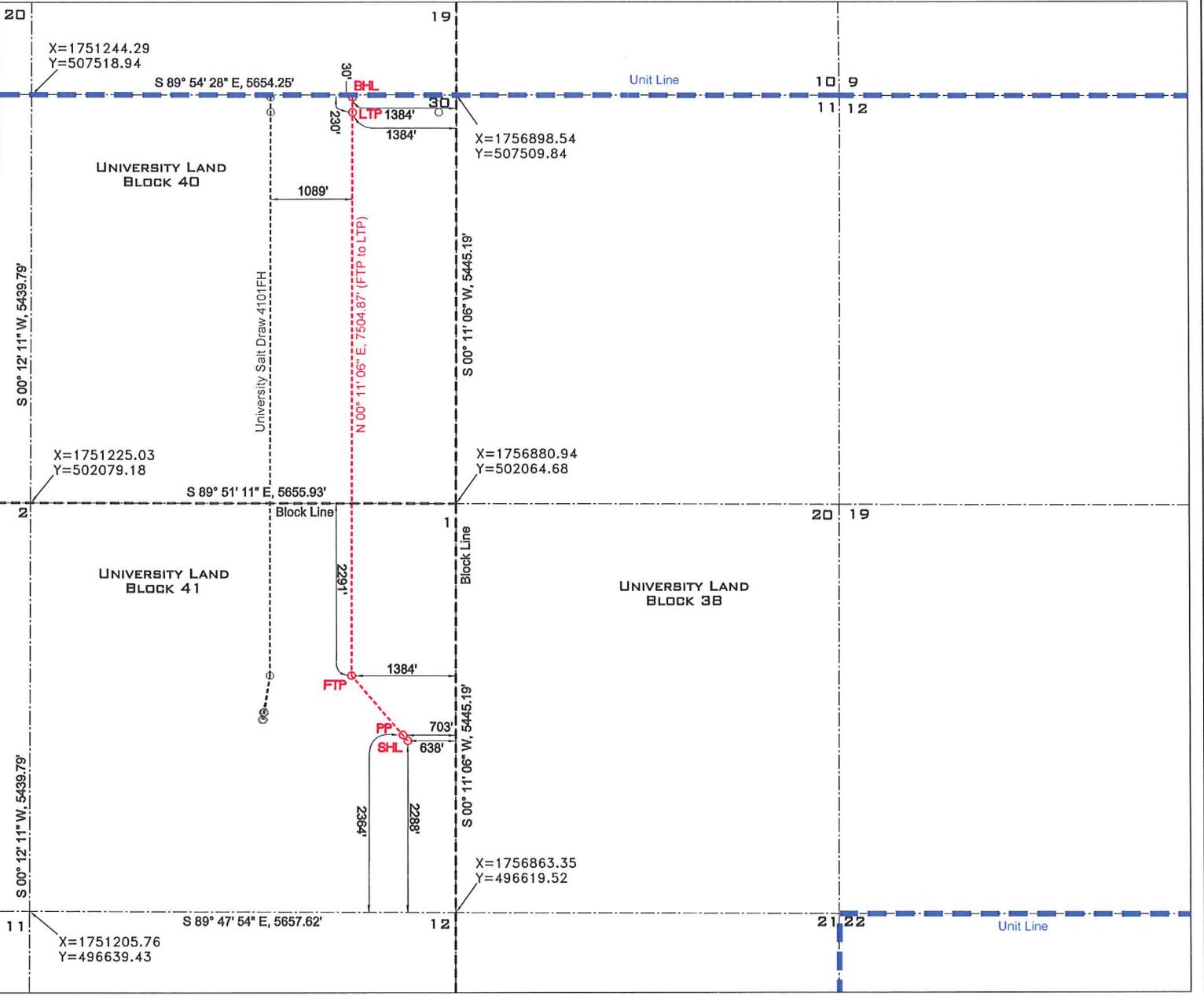
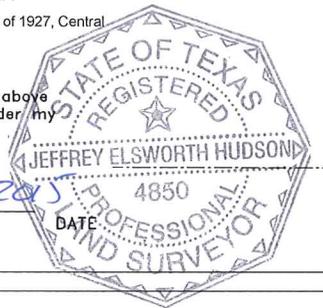


NOTE: This Plat does not, in anyway represent a "Boundary Survey", and does not comply with the current T.B.P.L.S. Minimum Standards of Procedures for Boundary Survey. Acreage shown herein were furnished by others. The information contained on this plat is intended for the sole use of EP ENERGY E&P COMPANY,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

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

I, Jeffrey Elsworth Hudson do hereby certify that the above described well location was staked on the ground under my supervision, as shown.

Jeffrey Elsworth Hudson
 12007205
 JEFFREY ELSWORTH HUDSON
 REGISTERED PROFESSIONAL LAND SURVEYOR
 TEXAS REGISTRATION NO. 4850



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 tbtpts firm reg. no. 1011500

EP ENERGY E&P COMPANY, L.P.
 EPEN.178

University Salt Draw 4101GH
 Block 41, Section 1
 Crockett County, Texas