

API No. <u>42-461-40608</u> Drilling Permit # <u>826656</u> SWR Exception Case/Docket No. <u>0305080</u> (R37)		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. 682074		2. Operator's Name (as shown on form P-5, Organization Report) PT PETROLEUM, LLC			3. Operator Address (include street, city, state, zip): 2701 DALLAS PARKWAY STE 580 PLANO, TX 75093-0000		
4. Lease Name UNIVMISTY		5. Well No. 5121C					
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 10000		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 UPTON		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>9.7</u> miles in a <u>SE</u> direction from <u>Rankin</u> which is the nearest town in the county of the well site.							
15. Section 12		16. Block 5		17. Survey UNIVERSITY LAND SURVEY		18. Abstract No. A-U84	
				19. Distance to nearest lease line: 100 ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 3202.95	
21. Lease Perpendiculars: <u>7406</u> ft from the <u>NORTH</u> line and <u>5021</u> ft from the <u>WEST</u> line. 22. Survey Perpendiculars: <u>620</u> ft from the <u>EAST</u> line and <u>530</u> ft from the <u>SOUTH</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	85279200	SPRABERRY (TREND AREA)		Oil or Gas Well	10000	1340.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks See W1 Comments attached				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>Ann Ritchie</u> Name of filer </div> <div> <u>May 14, 2017</u> Date submitted </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(432)6846381</u> Phone </div> <div> <u>ann.wtor@gmail.com</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only Data Validation Time Stamp: May 25, 2017 9:30 AM(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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Permit #	826656
Approved Date:	May 25, 2017

1. RRC Operator No. 682074	2. Operator's Name (exactly as shown on form P-5, Organization Report) PT PETROLEUM, LLC	3. Lease Name UNIVMISTY	4. Well No. 5121C
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Lateral Drainhole Location Information

5. Field as shown on Form W-1	SPRABERRY (TREND AREA) (Field # 85279200, RRC District 7C)
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6. Section 24	7. Block 5	8. Survey UNIVERSITY LAND SURVEY	9. Abstract	10. County of BHL UPTON
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11. Terminus Lease Line Perpendiculars 2740 ft. from the West line. and 100 ft. from the South line
12. Terminus Survey Line Perpendiculars 100 ft. from the East line. and 100 ft. from the South line
13. Penetration Point Lease Line Perpendiculars 5021 ft. from the East line. and 7406 ft. from the North line

Permit Status: **Approved**

*The RRC has not approved this application.
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**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION**

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

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W-1 Comments

Permit # **826656**

Approved Date: **May 25, 2017**

[RRC STAFF May 15, 2017 10:34 AM]: Corrected P-16 attached per Ann.; [RRC STAFF May 15, 2017 4:54 PM]: Revised plat attached per Ann.; [RRC STAFF May 18, 2017 10:30 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF May 18, 2017 2:21 PM]: Problems identified with this permit are resolved.; [RRC STAFF May 18, 2017 2:22 PM]: The problem with the plat has been resolved. The new plat is uploaded.; [RRC STAFF May 24, 2017 2:13 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF May 24, 2017 4:06 PM]: Problems identified with this permit are resolved.; [RRC STAFF May 24, 2017 4:07 PM]: Ann Ritchie verified PT is their own offset at the location where the well is too close to the lease 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 826656	DATE PERMIT ISSUED OR AMENDED May 25, 2017	DISTRICT * 7C	
API NUMBER 42-461-40608	FORM W-1 RECEIVED May 14, 2017	COUNTY UPTON	
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 3202.95	
OPERATOR PT PETROLEUM, LLC 2701 DALLAS PARKWAY STE 580 PLANO, TX 75093-0000		682074 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 UNIVMISTY		WELL NUMBER 5121C	
LOCATION 9.7 miles SE direction from RANKIN		TOTAL DEPTH 10000	
Section, Block and/or Survey SECTION 12 BLOCK 5 ABSTRACT U84 SURVEY UNIVERSITY LAND SURVEY			
DISTANCE TO SURVEY LINES 620 ft. EAST 530 ft. SOUTH		DISTANCE TO NEAREST LEASE LINE 100 ft.	
DISTANCE TO LEASE LINES 7406 ft. NORTH 5021 ft. WEST		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below	
FIELD(s) and LIMITATIONS: <div style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES * ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) ** CASE NO. 0305080</div>			
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST WE	WELL # DIST
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** SPRABERRY (TREND AREA)	3202.95	10,000	5121C 7C
UNIVMISTY	100	1340	

WELLBORE PROFILE(s) FOR FIELD: Horizontal			

RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 5021.0 F EAST L 7406.0 F NORTH L Terminus Location BH County: UPTON Section: 24 Block: 5 Abstract: Survey: UNIVERSITY LAND SURVEY Lease Lines: 2740.0 F WEST L 100.0 F SOUTH L Survey Lines: 100.0 F EAST L 100.0 F SOUTH L			
' ** ' PRECEDING FIELD NAME INDICATES RULE (R37)			
THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS			
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;">826656</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: center;">May 25, 2017</div>	DISTRICT <div style="text-align: center;">* 7C</div>										
API NUMBER <div style="text-align: right;">42-461-40608</div>	FORM W-1 RECEIVED <div style="text-align: center;">May 14, 2017</div>	COUNTY <div style="text-align: center;">UPTON</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;">3202.95</div>										
OPERATOR <div style="text-align: right;">682074</div> <div style="text-align: center;">PT PETROLEUM, LLC</div> <div style="text-align: center;">2701 DALLAS PARKWAY STE 580</div> <div style="text-align: center;">PLANO, TX 75093-0000</div>		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;">UNIVMISTY</div>		WELL NUMBER <div style="text-align: center;">5121C</div>										
LOCATION <div style="text-align: center;">9.7 miles SE direction from RANKIN</div>		TOTAL DEPTH <div style="text-align: center;">10000</div>										
Section, Block and/or Survey SECTION ◀ 12 BLOCK ◀ 5 ABSTRACT ◀ U84 SURVEY ◀ UNIVERSITY LAND SURVEY												
DISTANCE TO SURVEY LINES <div style="text-align: center;">620 ft. EAST 530 ft. SOUTH</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">100 ft.</div>										
DISTANCE TO LEASE LINES <div style="text-align: center;">7406 ft. NORTH 5021 ft. WEST</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 * ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) ** CASE NO. 0305080 </div>												
<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">FIELD NAME</td> <td style="width: 10%;">ACRES</td> <td style="width: 10%;">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>			FIELD NAME	ACRES	DEPTH	WELL #	DIST	LEASE NAME	NEAREST LEASE		NEAREST WE	
FIELD NAME	ACRES	DEPTH	WELL #	DIST								
LEASE NAME	NEAREST LEASE		NEAREST WE									

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

UPTON (461) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
YATES	1,100	1,200		1	12/17/2013
GRAYBURG	1,600	3,000		2	12/17/2013
SAN ANDRES	2,500	3,500	saltwater flow	3	12/17/2013
SPRABERRY	4,500	7,000		4	12/17/2013
WOLFCAMP	7,500	9,900		5	12/17/2013
STRAWN	7,900	9,800		6	12/17/2013
DEVONIAN	6,300	12,000		7	12/17/2013
FUSSELMAN	11,000	12,100		8	12/17/2013
ELLENBURGER	7,900	12,400		9	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: 15 May 2017**GAU Number:** 172221**Attention:** PT PETROLEUM, LLC
2701 DALLAS PARKWAY STE
PLANO, TX 75093**Operator No.:** 682074**API Number:**
County: UPTON
Lease Name: UnivMisty
Lease Number:
Well Number: 5121C
Total Vertical Depth: 10000
Latitude: 31.101747
Longitude: -101.862311
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Block-5; Section-12

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 20 feet below the base of the Cretaceous-age beds must be protected. The base of the Cretaceous is estimated to occur at a depth of 600 feet.

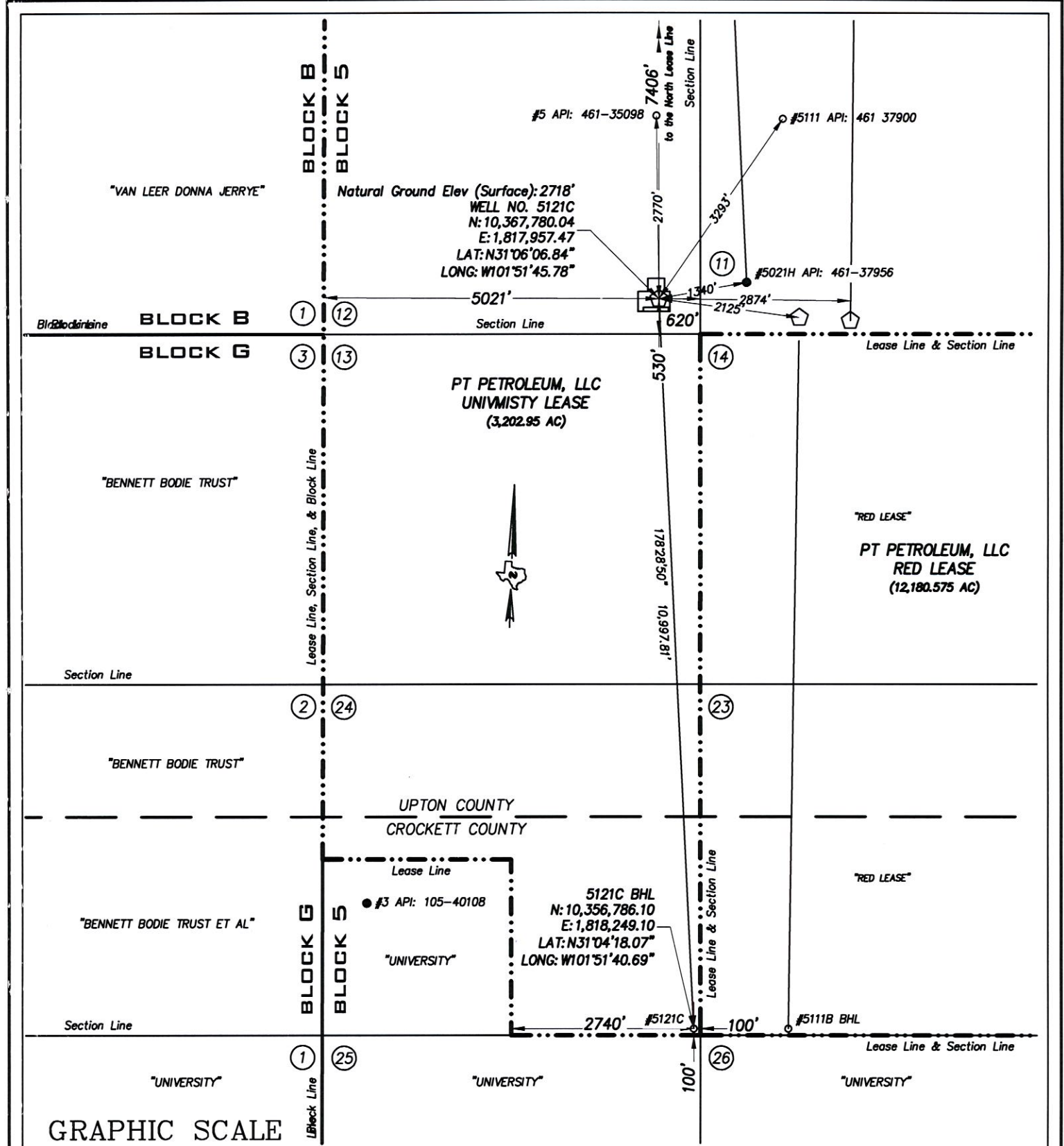
This recommendation is applicable to all wells within a radius of 2000 feet of this location.

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 05/14/2017. 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



GRAPHIC SCALE



(IN FEET)
1 inch = 2000 ft.

NOTE:

• COURSES, DISTANCES AND COORDINATES SHOWN HEREON ARE LAMBERT GRID AND CONFORM TO THE "TEXAS COORDINATE SYSTEM", TEXAS CENTRAL ZONE, NORTH AMERICAN DATUM OF 1983. ALL DISTANCES AND COORDINATES ARE SHOWN IN GRID FEET.

• ELEVATION IS NAVD 88.

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS LOCATION WAS THIS DAY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION AND THAT THIS PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 5th DAY OF MAY, 2017

RJ DAUM
TEXAS RPLS 4826



THIS WELL IS TO BE LOCATED 9.7 MILES IN A SOUTHEAST DIRECTION FROM RANKIN WHICH IS THE NEAREST TOWN IN THE COUNTY OF THE WELL SITE.

LOCATION PLAT

PT PETROLEUM LLC

WELL NO. 5121C
UNIVMISTY LEASE

SURFACE LOCATION:

530 FEET FROM THE SOUTH LINE AND
620 FEET FROM THE EAST LINE
SECTION 12, BLOCK 5

UNIVERSITY LAND SURVEY
UPTON COUNTY, TEXAS

BOTTOM HOLE LOCATION:

100 FEET FROM THE SOUTH LINE AND
100 FEET FROM THE EAST LINE
SECTION 24, BLOCK 5

UNIVERSITY LAND SURVEY
CROCKETT COUNTY, TEXAS

QUAD: RANKIN SE
SCALE: 1" = 2000'

PROJECT: 75620PTP
JOB NO: 75,620A R-2

SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS

Civil Engineering ~ Land Surveying

TEXAS FIRM No. F1880

TEXAS FIRM No. 10149500

408 N. PECOS STREET - P. O. BOX 504
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