



**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**

*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.*

Permit # **825646**  
Approved Date: **Apr 28, 2017**

1. RRC Operator No. <b>682074</b>	2. Operator's Name (exactly as shown on form P-5, Organization Report) <b>PT PETROLEUM, LLC</b>	3. Lease Name <b>UNIVERSITY ORANGE</b>	4. Well No. <b>1042A</b>
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**Lateral Drainhole Location Information**

5. Field as shown on Form W-1 **SPRABERRY (TREND AREA) (Field # 85279200, RRC District 7C)**

6. Section <b>9</b>	7. Block <b>1</b>	8. Survey <b>UNIVERSITY LANDS</b>	9. Abstract	10. County of BHL <b>REAGAN</b>
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11. Terminus Lease Line Perpendiculars <b>100</b> ft. from the <b>North</b> line. and <b>1167</b> ft. from the <b>East</b> line
12. Terminus Survey Line Perpendiculars <b>100</b> ft. from the <b>North</b> line. and <b>1536</b> ft. from the <b>West</b> line
13. Penetration Point Lease Line Perpendiculars <b>10491.5</b> ft. from the <b>North</b> line. and <b>1053</b> ft. from the <b>East</b> 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 825646	DATE PERMIT ISSUED OR AMENDED Apr 28, 2017	DISTRICT * 7C		
API NUMBER 42-383-39859	FORM W-1 RECEIVED Apr 19, 2017	COUNTY REAGAN		
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 14638.59		
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. <b>District Office Telephone No:</b> (325) 657-7450		
LEASE NAME UNIVERSITY ORANGE	WELL NUMBER 1042A			
LOCATION 14.1 miles SE direction from RANKIN	TOTAL DEPTH 12000			
Section, Block and/or Survey SECTION ◀ 4                      BLOCK ◀ 1                      ABSTRACT ◀ SURVEY ◀ UNIVERSITY LANDS				
DISTANCE TO SURVEY LINES 2319 ft. WEST    100 ft. SOUTH		DISTANCE TO NEAREST LEASE LINE 100 ft.		
DISTANCE TO LEASE LINES 1053 ft. EAST    10491.5 ft. NORTH		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below		
FIELD(s) and LIMITATIONS: * SEE FIELD DISTRICT FOR REPORTING PURPOSES *				
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST LEASE	WELL # NEAREST WE	DIST
----- SPRABERRY (TREND AREA) UNIVERSITY ORANGE -----	14638.59 100	12,000	1042A 25	7C
----- WELLBORE PROFILE(S) FOR FIELD: Horizontal -----				
RESTRICTIONS:    Lateral: TH1 Penetration Point Location Lease Lines:        10491.5 F NORTH L 1053.0 F EAST L Terminus Location BH County: REAGAN Section: 9                      Block: 1                      Abstract: Survey: UNIVERSITY LANDS Lease Lines:        100.0 F NORTH L 1167.0 F EAST L Survey Lines:        100.0 F NORTH L 1536.0 F WEST L				
<b>THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</b>				
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  
SWR #13 Formation Data**

**REAGAN (383) County**

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
GRAYBURG	1,500	2,500		1	12/17/2013
QUEEN	1,900	2,500		2	12/17/2013
SAN ANDRES	2,000	5,000	saltwater flow, possibly heavy	3	12/17/2013
CLEARFORK	3,300	4,000		4	12/17/2013
SPRABERRY	3,300	10,000		5	12/17/2013
STRAWN	9,300	10,200		6	12/17/2013
FUSSELMAN	8,800	11,000		7	12/17/2013
ELLENBURGER	8,700	10,500		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.texas.gov/oil-gas/compliance-enforcement/rule-13-geologic-formation-info>

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 19 April 2017      **GAU Number:** 170616

<b>Attention:</b>	PT PETROLEUM, LLC 2701 DALLAS PARKWAY STE PLANO, TX 75093	<b>API Number:</b>	
<b>Operator No.:</b>	682074	<b>County:</b>	REAGAN
		<b>Lease Name:</b>	University Orange
		<b>Lease Number:</b>	
		<b>Well Number:</b>	1041A
		<b>Total Vertical Depth:</b>	12000
		<b>Latitude:</b>	31.128751
		<b>Longitude:</b>	-101.731963
		<b>Datum:</b>	NAD27

**Purpose:** New Drill  
**Location:** Survey-UL; Block-1; Section-4

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 between 700 and 750 feet.

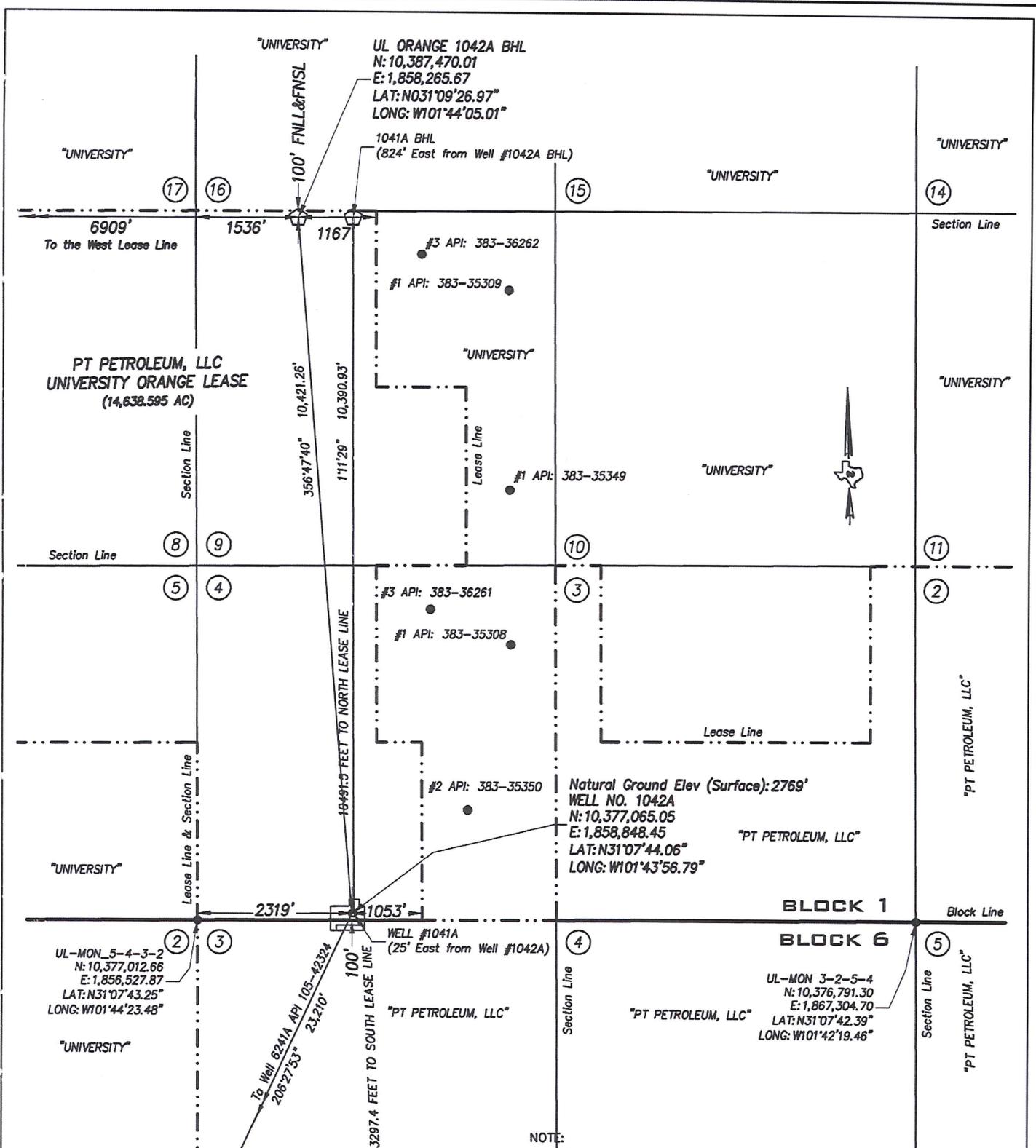
This recommendation is applicable to all wells within a radius of 650 feet of this location.

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).

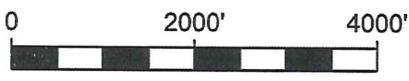
This determination is based on information provided when the application was submitted on 04/17/2017. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

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.

THIS WELL IS TO BE LOCATED 14.1 MILES IN A SOUTHEAST DIRECTION FROM RANKIN WHICH IS THE NEAREST TOWN IN THE COUNTY OF THE WELL SITE.

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 10th DAY OF APRIL, 2017

RJ DAUM  
TEXAS RPLS 4826



**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 MIDLAND, TEXAS 79702-0504 Office (432) 684-5548 Fax (432) 684-6973

**LOCATION PLAT**

PT PETROLEUM LLC

**WELL NO. 1042A**  
**UNIVERSITY ORANGE LEASE**  
SURFACE LOCATION:  
100 FEET FROM THE SOUTH LINE AND  
2319 FEET FROM THE WEST LINE  
SECTION 4, BLOCK 1  
UNIVERSITY LAND SURVEY  
BOTTOM HOLE LOCATION:  
100 FEET FROM THE NORTH LINE AND  
1536 FEET FROM THE WEST LINE  
SECTION 9, , BLOCK 1  
UNIVERSITY LAND SURVEY

REAGAN COUNTY, TEXAS

QUAD: TEXON PROJECT: 75578PTP  
SCALE: 1" = 2000' REV 4-27-17 JOB NO: 75,578B R-0