



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 01/31/2018
Tracking No.: 183978

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT, AND LOG

OPERATOR INFORMATION

Operator Name: PT PETROLEUM, LLC **Operator No.:** 682074
Operator Address: 2701 DALLAS PARKWAY STE 580 PLANO, TX 75093-0000

WELL INFORMATION

API No.: 42-383-39859 **County:** REAGAN
Well No.: 1042A **RRC District No.:** 7C
Lease Name: UNIVERSITY ORANGE **Field Name:** SPRABERRY (TREND AREA)
RRC Lease No.: 19444 **Field No.:** 85279200
Location: Section: 4, Block: 1, Survey: UNIVERSITY LANDS, Abstract:

Latitude: 31 **Longitude:** -101
This well is located 14.1 **miles in a** SE
direction from RANKIN,
which is the nearest town in the county.

FILING INFORMATION

Purpose of filing: Initial Potential
Type of completion: New Well
Well Type: Producing **Completion or Recompletion Date:** 08/16/2017

Type of Permit	Date	Permit No.
Permit to Drill, Plug Back, or Deepen Rule 37 Exception	04/28/2017	825646
Fluid Injection Permit		
O&G Waste Disposal Permit		
Other:		

COMPLETION INFORMATION

Spud date: 05/27/2017 **Date of first production after rig released:** 08/16/2017
Date plug back, deepening, recompletion, or drilling operation commenced: 05/27/2017 **Date plug back, deepening, recompletion, or drilling operation ended:** 06/23/2017
Number of producing wells on this lease in this field (reservoir) including this well: 3 **Distance to nearest well in lease & reservoir (ft.):** 25.0
Total number of acres in lease: 14638.59 **Elevation (ft.):** 2769 GL
Total depth TVD (ft.): 7712 **Total depth MD (ft.):** 17255
Plug back depth TVD (ft.): **Plug back depth MD (ft.):** 17165
Was directional survey made other than inclination (Form W-12)? No **Rotation time within surface casing (hours):** 108.0
Recompletion or reclass? No **Is Cementing Affidavit (Form W-15) attached?** Yes
Type(s) of electric or other log(s) run: Gamma Ray (MWD) **Multiple completion?** No
Electric Log Other Description:
Location of well, relative to nearest lease boundaries **Off Lease :** No
of lease on which this well is located: 1053.0 **Feet from the** East **Line and**
10491.5 **Feet from the** North **Line of the**
UNIVERSITY ORANGE **Lease.**

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

Field & Reservoir **Gas ID or Oil Lease No.** **Well No.** **Prior Service Type**

PACKET: N/A

W2: N/A

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

GAU Groundwater Protection Determination **Depth (ft.):** 750.0 **Date:** 04/19/2017
SWR 13 Exception **Depth (ft.):** 1300.0

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION

Date of test: 10/05/2017 **Production method:** Gas Lift
Number of hours tested: 24 **Choke size:** 64/64
Was swab used during this test? No **Oil produced prior to test:**

PRODUCTION DURING TEST PERIOD:

Oil (BBLs): 388.00 **Gas (MCF):** 159
Gas - Oil Ratio: 409 **Flowing Tubing Pressure:** 280.00
Water (BBLs): 2152

CALCULATED 24-HOUR RATE

Oil (BBLs): 388.0 **Gas (MCF):** 159
Oil Gravity - API - 60.: 39.0 **Casing Pressure:** 160.00
Water (BBLs): 2152

CASING RECORD

Row	Type of Casing	Casing Size (in.)	Hole Size (in.)	Setting Depth (ft.)	Multi - Stage Depth (ft.)	Multi - Stage Shoe Depth (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
1	Surface	9 5/8	12 1/4	1243			PREM PLUS	505	783.0	0	Circulated to Surface
2	Conventional Production	5 1/2	8 1/2	17255			C	2495	4652.0	1851	Calculation

LINER RECORD

Row	Liner Size (in.)	Hole Size (in.)	Liner Top (ft.)	Liner Bottom (ft.)	Cement Class	Cement Amount (sacks)	Slurry Volume (cu. ft.)	Top of Cement (ft.)	TOC Determined By
N/A									

TUBING RECORD

Row	Size (in.)	Depth	Size (ft.)	Packer Depth (ft.)/Type
1	2 7/8	6692		6692 / ARROW SET 1X

PRODUCING/INJECTION/DISPOSAL INTERVAL

Row	Open hole?	From (ft.)	To (ft.)
1	No	L1 7909	17139.0

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

Was hydraulic fracturing treatment performed? Yes

Is well equipped with a downhole actuation sleeve? No **If yes, actuation pressure (PSIG):**

Production casing test pressure (PSIG) prior to hydraulic fracturing treatment: 9800 **Actual maximum pressure (PSIG) during hydraulic fracturing:** 9500

Has the hydraulic fracturing fluid disclosure been reported to FracFocus disclosure registry (SWR29)? Yes

Row	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	18,537,401 # SAND W/ 370,098 BBL FRAC	7909 17139

FORMATION RECORD

<u>Formations</u>	<u>Encountered</u>	<u>Depth TVD (ft.)</u>	<u>Depth MD (ft.)</u>	<u>Is formation isolated?</u>	<u>Remarks</u>
GRAYBURG	Yes	3299.0	3299.0	Yes	PROD TOC @ 1851'
QUEEN	Yes	2764.0	2764.0	Yes	PROD TOC @ 1851'
SAN ANDRES - SALTWATER FLOW, POSSIBLY HEAVY	Yes	3632.0	3632.0	Yes	PROD TOC @ 1851'
CLEARFORK	No			No	PINCHED OUT
SPRABERRY	Yes	5979.0	5979.0	Yes	7909-17139'; PROD TOC @ 1851'
STRAWN	No			No	DID NOT DRILL THIS DEEP
FUSSELMAN	No			No	DID NOT DRILL THIS DEEP
ELLENBURGER	No			No	DID NOT DRILL THIS DEEP

Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm (SWR 36)? No
 Is the completion being downhole commingled (SWR 10)? No

REMARKS

KOP @ 6792'.

RRC REMARKS

PUBLIC COMMENTS:

[RRC Staff 2018-01-25 15:50:02.709] EDL=9204 feet, max acres=640, SPRABERRY (TREND AREA) oil well

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 Name: Ann Ritchie

Title:

Telephone No.: (432) 684-6381

Date Certified: 12/07/2017



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 09/2013

CEMENTING REPORT

Cementor: Fill in shaded areas.
Operator: Fill in other items.

OPERATOR INFORMATION

PT PETROLEUM LLC	Operator P-5 No.: 682074
HALLIBURTON ENERGY SERVICES	Cementor P-5 No.: 347151

WELL INFORMATION

TC # 1042A UNIVERSITY ORANGE SPRABERRY (TREND AREA)	County: ROGAN
	API No.: 383-31859
	Drilling Permit No.: 825646
	Lease No.: 19444
	Field No.: 85271200

I. CASING CEMENTING DATA

Surface Intermediate Liner Production

Hole size: 12.14"	Depth of drilled hole (ft.): 1243'	Est. % wash-out or hole enlargement: 30
Casing: 95/8"	Casing weight (lbs/ft) and grade: 26 #	No. of centralizers used: 6
Was cement circulated to surface (or bottom of cellar) outside or surface casing, explain in Remarks. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Setting depth shoe (ft.): 1243'	Top of liner (ft.):
		Setting depth liner (ft.):
out: 6+	Calculated top of cement (ft.): 0'	Cementing date: 5/27/2017

SLURRY

f Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
300	PREM PLUS	REMARKS	562	186.4
185	PREM PLUS	REMARKS	241	80.9
505			783	247.3

II. CASING CEMENTING DATA

Intermediate Production Tapered production Multi-stage cement shoe Multiple parallel strings

Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string depth of drilled hole (ft.) Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Tapered string casing weight (lbs/ft) and grade Upper: Lower:	Setting depth shoe (ft.):
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Cementing date:
Calculated top of cement (ft.):	

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

III. CASING CEMENTING DATA

Surface Intermediate Production Tapered production Multi-stage cement/DV tool Multiple parallel strings

Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
Size of casing in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Tapered string drilled hole size (in.) Upper: Lower:	Tapered string depth of drilled hole (ft.) Upper: Lower:	Tapered string no. of centralizers used Upper: Lower:
Tapered string size of casing in O.D. (in.) Upper: Lower:	Tapered string casing weight (lbs/ft) and grade Upper: Lower:	Setting depth tool (ft.):
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> NO	Calculated top of cement (ft.):	Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total					

CEMENT									
Log Date									
Size of pipe (in.)									
Bottom of tubing or drill pipe									
Retainer setting depth (ft.)									
Setting depth (ft.)									
Weight of cement on top of CIBP (ft.)									
Type of cement used									
Volume pumped (cu. ft.)									
Depth of top of plug (ft.)									
Depth of top of plug, if tagged (ft.)									
Weight (lbs/gal)									
Weight of cement									
Seal and squeeze (YES/NO)									

LEAD SLURRY EXTENDER
 O-SEAL, 25 LB/TON OF PLUG, IN CALCEUM CHLORIDE
 ACTS AS BBS BACK TO SURFACE (SP-49043118)

I, in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this cement plugs in this well as shown in the report was performed by me or under my direct supervision and that the data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This

Manuel Dominguez SS III

1301. W. Webb St.

Halliburton

Cementing Company
 Brownfield, Tx, 79316

[Signature]
 Signature

575-392-0700

5/27/2017

State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

I, in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification presented in this report, and that data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers all well data.

Ann E. Ritchie

2701 Dallas Parkway, Ste 580,

Regulatory

Piano, TX 75093

432-684-6381

12/06/17

[Signature]
 Signature

Form W-15, Cementing Report



RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

Cementor: Fill in shaded areas.
Operator: Fill in other items.

CEMENTING REPORT

OPERATOR INFORMATION

Operator Name: PETROLEUM LLC	Operator P-5 No.: 682074
Cementor Name: HALLIBURTON ENERGY SERVICES	Cementor P-5 No.: 347151

WELL INFORMATION

District No.: 7C	County: HENRI	Drilling Permit No.: 825446
Well No.: 3042A	API No.: 983-89859	Lease No.: 19444
Lease Name: UNIVERSITY ORANGE	Field No.: 85279200	
Field Name: SPRABERRY (TREND AREA)		

I. CASING CEMENTING DATA

Type of casing: Conductor Surface Intermediate Liner Production

Drilled hole size (in.): 8 1/2" Depth of drilled hole (ft.): 17,255' Est. % wash-out or hole enlargement: 30

Size of casing in O.D. (in.): 5 1/2" Casing weight (lbs/ft) and grade: 20# No. of centralizers used: 140

Was cement circulated to ground surface (or bottom of cellar) outside casing? YES NO If no for surface casing, explain in Remarks. Setting depth shoe (ft.): 17,255' Top of liner (ft.):

Hrs. waiting on cement before drill-out: 24+ Calculated top of cement (ft.): 1851' Cementing date: 6/23/2017

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	645	C	0.125 LBM POLY-E-FLAKE	1814	7075
2	1700	C	2 LBM BOL-SEAL, 0.125 LBM POLY-E-FLAKE	2514	10783
3	150	C	N/A	324	1397
Total	2495			4652	19255

II. CASING CEMENTING DATA

Type of casing: Surface Intermediate Production Tapered production Multi-stage cement shoe Multiple parallel strings

Drilled hole size (in.): Depth of drilled hole (ft.): Est. % wash-out or hole enlargement:

Size of casing in O.D. (in.): Casing weight (lbs/ft) and grade: No. of centralizers used:

Tapered string drilled hole size (in.): Tapered string depth of drilled hole (ft.):

Upper: Lower: Upper: Lower:

Tapered string size of casing in O.D. (in.): Tapered string casing weight (lbs/ft) and grade: Tapered string no. of centralizers used

Upper: Lower: Upper: Lower:

Was cement circulated to ground surface (or bottom of cellar) outside casing? YES NO Setting depth shoe (ft.):

Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

III. CASING CEMENTING DATA

Type of casing: Surface Intermediate Production Tapered production Multi-stage cement/DV tool Multiple parallel strings

Drilled hole size (in.): Depth of drilled hole (ft.): Est. % wash-out or hole enlargement:

Size of casing in O.D. (in.): Casing weight (lbs/ft) and grade: No. of centralizers used:

Tapered string drilled hole size (in.): Tapered string depth of drilled hole (ft.):

Upper: Lower: Upper: Lower:

Tapered string size of casing in O.D. (in.): Tapered string casing weight (lbs/ft) and grade: Tapered string no. of centralizers used

Upper: Lower: Upper: Lower:

Was cement circulated to ground surface (or bottom of cellar) outside casing? YES NO Setting depth tool (ft.):

Hrs. waiting on cement before drill-out: Calculated top of cement (ft.): Cementing date:

SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1					
2					
3					
Total	0			0	0

CHRISTI CRADDICK, CHAIRMAN
RYAN SITTON, COMMISSIONER
WAYNE CHRISTIAN, COMMISSIONER



LORI WROTENBERY
DIRECTOR, OIL AND GAS DIVISION
BILL SPRAGGINS
DISTRICT DIRECTOR

RAILROAD COMMISSION OF TEXAS OIL AND GAS DIVISION

OPERATOR Name: PT PETROLEUM, LLC
Address1: 2701 DALLAS PARKWAY STE 580
Address2:
City: PLANO
State: TX

RE: Lease: UNIVERSITY ORANGE
Well No: 1042A
Sec: 4 **Block:** 1
County: REAGAN
Survey Name: UNIVERSITY LANDS

SWR13EX Application Number: 14674 **Drilling Permit No:** 825646
SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST APPROVED

The Proposed Casing and Cementing Program submitted for the **LEASE NAME: UNIVERSITY ORANGE** ;
WELL NUMBER: 1042A has been approved by the Railroad Commission of Texas District Office.

- a. A copy of this approved letter must be kept on location during all phases of drilling and/or plugging operations. Once approved, changes CANNOT be made to the Proposed Casing Program on the original application without additional approval from the Railroad Commission of Texas District Office.
- b. Any substantive modifications to the cement program require prior approval from the Railroad Commission of Texas District Office, and may require re-submission of the SWR 13 (Statewide Rule 13) Alternate Surface Casing Application. Contact the Railroad Commission of Texas District Office for more information.
- c. The tail slurry must be sufficient to fill the Zone of Critical Cement as described in Statewide Rule 13(b)(1)(H)(i). In addition, all cement slurries must be mixed on location as described in Application for Alternate Surface Casing Program.
- d. The casing and cement program shall adhere to the following specifications:
Set 1300 feet of surface casing and circulate cement from the shoe to the ground surface.

IF CEMENT IS NOT CIRCULATED TO THE GROUND SURFACE AS REQUIRED BY THIS EXCEPTION, YOU MUST CONTACT THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE IMMEDIATELY AND FOLLOW THE PROCEDURES SET OUT IN RULE 13(b)(1)(H)(iii) OR AS REQUIRED BY THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE.

You must comply with all other provisions of SWR 13 (Statewide Rule 13) and a representative of the cementing company who performs the cementing job for the protection of usable quality water strata must sign the Form W-15 attesting to the information regarding cementing operations performed; including circulation of cement. (Note: If surface casing is set below the approved depth, this can result in denial of future Statewide Rule 13(b)(1)(H)(i) requests.) A condition of the approved drilling permit requires notification to the Railroad Commission of Texas District Office eight (8) hours prior to the time casing is to be set/cemented in the well. If your exception request was submitted after the subject well has been drilled and completed, the operator may be referred for enforcement action.

This authorization shall expire within five (5) years from the date the Groundwater Protection Determination was issued, or at the expiration of the drilling permit (if the well is not spudded prior to expiration) for the referenced well, whichever occurs first. Furthermore, this authorization supersedes any prior authorizations issued for the referenced well.

This exception is based on information provided when the application was submitted on 05/01/2017. If any information has changed, you must contact the appropriate Railroad Commission of Texas District Office, and submit a new application if applicable. If you have questions, please contact the appropriate Oil and Gas District office.

RRC APPROVAL BY: Bill Spraggins

DATE: 05/02/2017

BILL SPRAGGINS
DISTRICT DIRECTOR

Tracking No.: 183978

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

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: PT PETROLEUM, LLC	District No. 7C	Completion Date: 08/16/2017
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 825646	
Lease Name UNIVERSITY ORANGE	Lease/ID No. 19444	Well No. 1042A
County REAGAN	API No. 42- 383-39859	

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). _____

Ann Ritchie

 Signature

 Name (print)

 Title
 (432) 684-6381

 Phone
 12/07/2017

 Date

-FOR RAILROAD COMMISSION USE ONLY-



PHOENIX
TECHNOLOGY SERVICES

MD
1:240
Feet

MWD Gamma / ROP (5")

Client: PT Petroleum

Well Name: University Orange 1042A

API/UWID: 4238339859

County: Reagan

Field: Wolfcamp A2

Permit #: 825646

State: Texas

Country: USA

Longitude: 101° 43' 56.79375 W
Latitude: 31° 7' 44.05837 N

Personnel

Rig Name: Precision 312
Job Number: 61364
Ground Level: 2769.00 ft
Kelly Bushing: 2795.00 ft
Permanent Datum: Mean Sea Level
Drilling Measured From: Kelly Bushing
Spud Date: May 26, 2017
Bottom Hole Temp: 170 °F
Log Start Depth: 1300.00 ft
Log End Depth: 17300.00 ft

Company Representative

Joe Kriethe

Geologist

Gary Hampton

Directional Driller(s)

Paul Oates
Nathan Adams

MWD Operator(s)

Piers Duffy
Andrew Nelson

Comments:

Main Leg

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Operational Run Summary

61364

	Run 1	Run 2	Run 3	Run 4
Run Start Depth (ft)	0.00	2136.39	7029.00	11788.20
Run End Depth (ft)	2136.39	7029.00	11788.20	17255.04
Run Start Date	6/10/2017	6/12/2017	6/14/2017	6/17/2017
Run Start Time	5:46 PM	9:18 AM	9:22 AM	5:41 PM
Run End Date	6/12/2017	6/14/2017	6/17/2017	6/20/2017
Run End Time	8:25 AM	5:46 AM	8:59 AM	3:35 AM

Tool Information Summary

61364

	Run 1	Run 2	Run 3	Run 4
Gamma Probe Serial No	EGNF0185	EGNF0185	EGNF0124	EGNF0185
Probe Cal Ratio	1	1	1	1
Gamma Scale Factor	2.88	2.88	2.88	2.83
Tool Carrier ID (in)	4.490	4.490	4.490	4.430
Tool Carrier OD (in)	6.560	6.560	6.560	6.530
Survey-to-Bit (PTB) (ft)	55.00	53.00	50.00	53.00
Gamma-to-Bit (GTB) (ft)	51.85	49.43	46.80	49.33
Annular Pressure-to-Bit (APTB) (ft)	0.00	0.00	0.00	0.00



RAILROAD COMMISSION OF TEXAS

1701 N. Congress
 P.O. Box 12967
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Form P-16

Page 2

Rev. 01/2016

Acreage Designation

Filer is the owner or lessee of all or an undivided portion of the minerals under each tract listed below and has the legal right to drill on each tract traversed by the well that will have perforations or other take points open in the interval of the applied-for field(s). All tracts listed will actually be traversed by the wellbore or the filer has pooling authority or other contractual authority, such as a production sharing agreement, authorizing inclusion of the non-drillsite tract in the acreage assigned to the well.

SECTION V. LISTING OF ALL TRACTS CONTRIBUTING ACREAGE TO AN RRC DESIGNATED DRILLSITE DEVELOPMENTAL UNIT THAT IS NOT A SINGLE LEASE, POOLED UNIT, OR GROUP OF TRACTS UNITIZED BY CONTRACT FOR PURPOSES OF SECONDARY RECOVERY

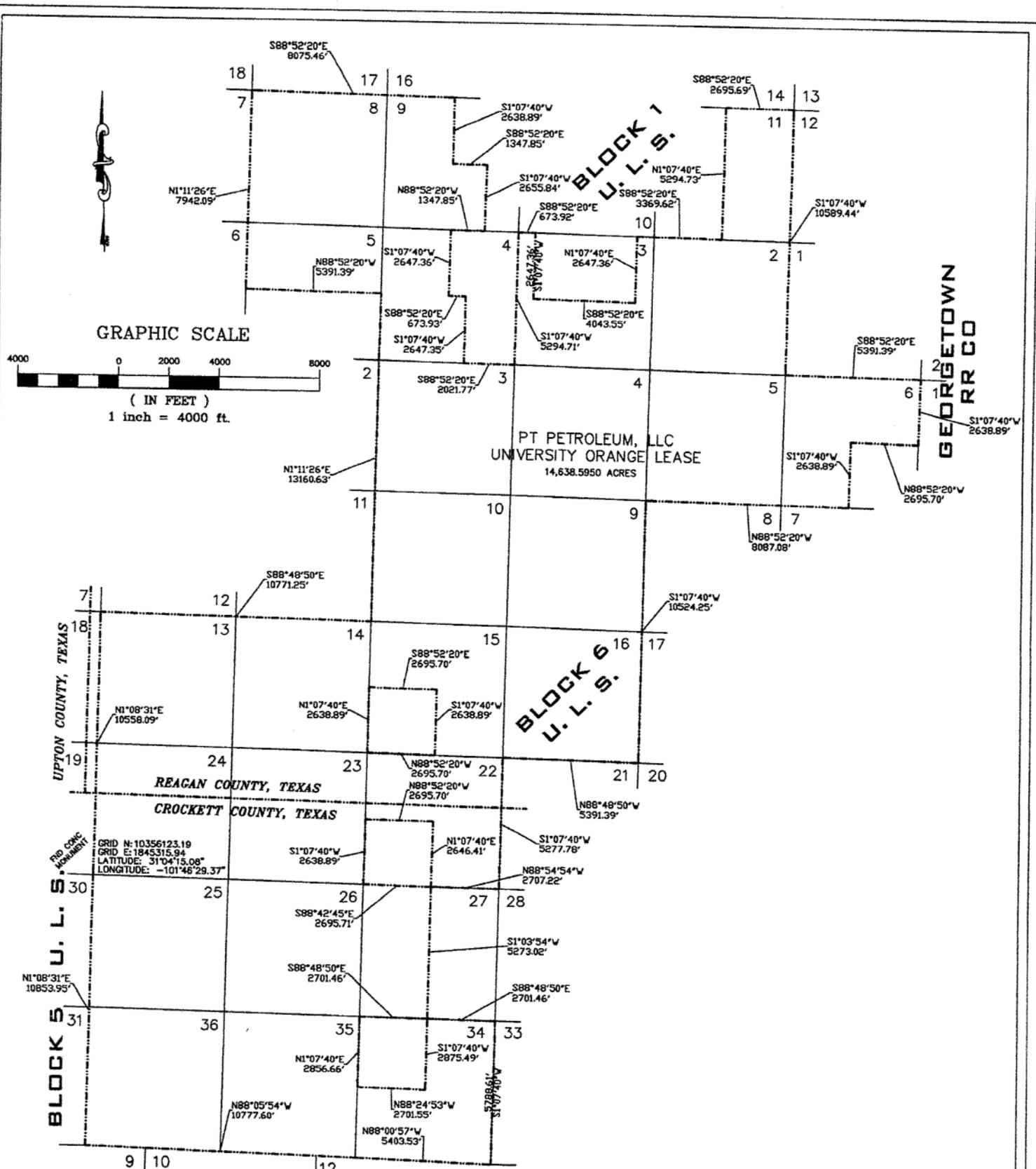
RRC ID No. or Lease No.	Lease Name	Beginning Lease Acreage	Allocated Lease Acreage	Ending Lease Acreage	Operator Name and Operator No. (if different from filing operator)
Total Allocated Acreage >					< Total Lease Acreage

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. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

SECTION VI. LISTING OF ALL WELLS IN THE APPLIED FOR FIELD ON THE SAME ACREAGE AS THE LEASE OR POOLED UNIT DESIGNATED FOR THE TRACTS LISTED IN SECTION V BY FILER

RRC ID No. or Lease No.	Well No.	Acres Assigned	SWR 38 Except. (Y/N)	H-Horizontal D-Directional V-Vertical	RRC ID No. or Lease No.	Well No.	Acres Assigned	SWR 38 Except. (Y/N)	H-Horizontal D-Directional V-Vertical
A. Total Wells & Acreage >					A. Total Wells & Acreage >				
B. Total Assigned Horiz. Acreage >					B. Total Assigned Horiz. Acreage >				
C. Total Assigned Vert./Dir. Acreage >					C. Total Assigned Vert./Dir. Acreage >				

SECTION VII. REMARKS



JOHN PARKER SURVEY ABSTRACT 3284
BLOCK BB2
 F. L. HARRIS SURVEY ABSTRACT 4823
 W.H. JOHNSON SURVEY ABSTRACT 4825

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.

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

DATED THIS 10TH DAY OF MAY, 2016

[Signature]
 RJ DALUM
 TEXAS RP#S 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
 UNIVERSITY ORANGE LEASE
 14,638.5950 ACRES OF LAND OUT OF
 BLOCK 1 & BLOCK 6,
 UNIVERSITY LANDS SURVEY,
 REAGAN & CROCKETT COUNTIES, TEXAS

QUAD: RANKIN NE
 SCALE: 1" = 4000'
 PROJECT: 74957PT
 JOB NO. 74,957-00

GROUNDWATER PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

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

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

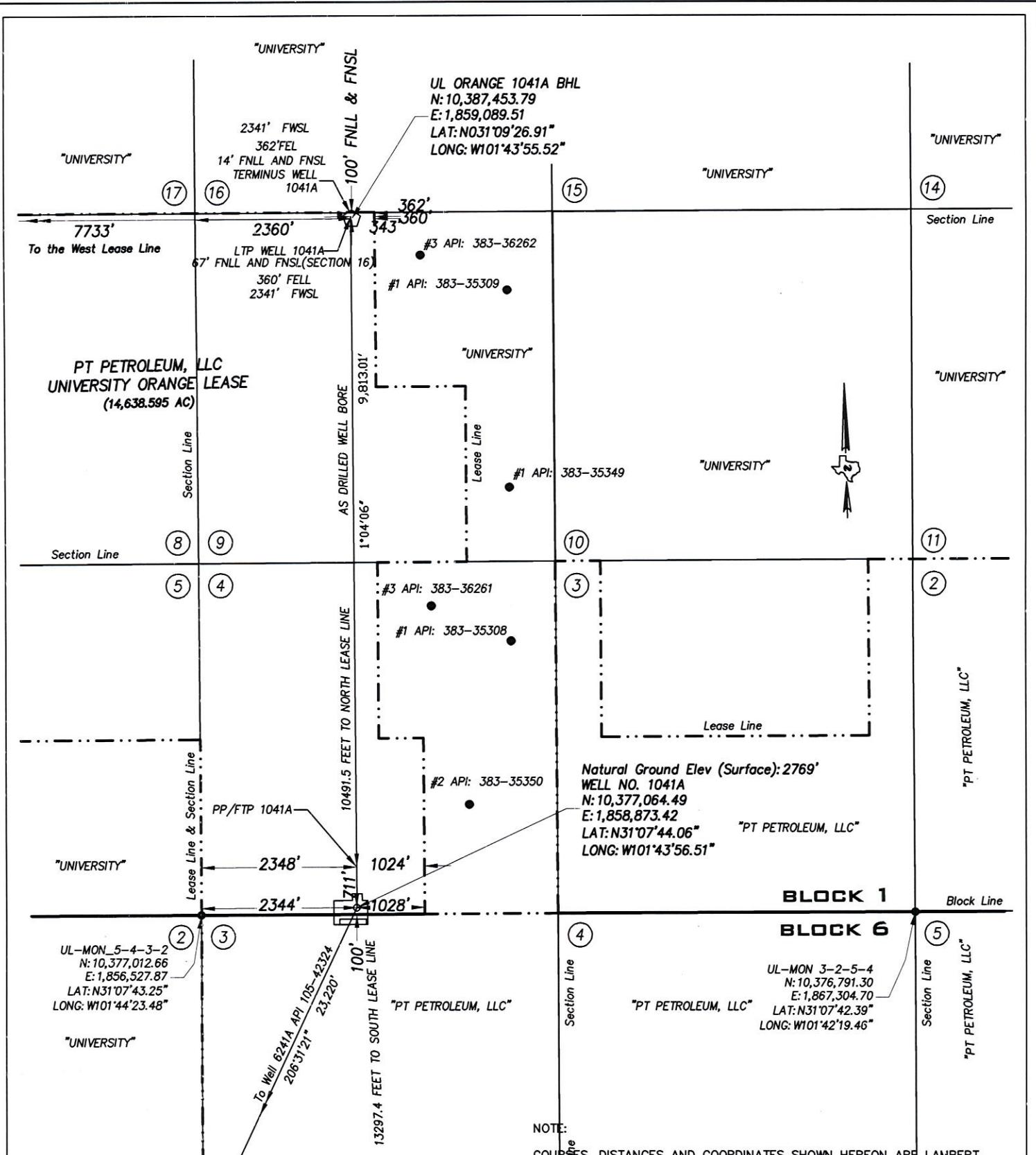
This recommendation is applicable to all wells within a radius of 650 feet of this location.

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.

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 21ST DAY OF NOVEMBER, 2017



RJ DAUM
TEXAS RPLS 4826

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NOTE:

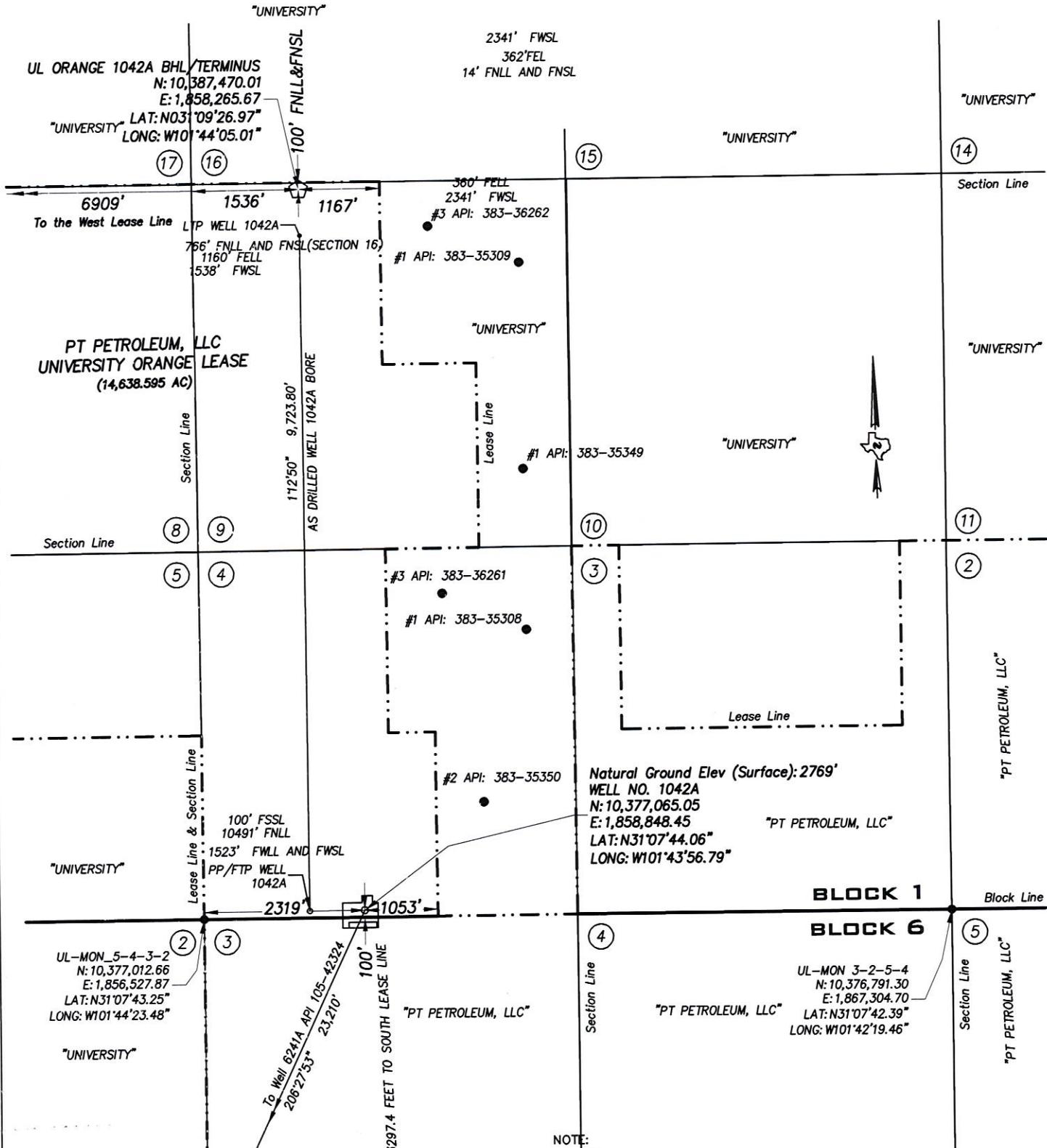
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ELEVATION IS NAVD 88.

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.

LOCATION PLAT

PT PETROLEUM LLC
AS DRILLED
WELL NO. 1041A
UNIVERSITY ORANGE LEASE
SURFACE LOCATION:
100 FEET FROM THE SOUTH LINE AND
2344 FEET FROM THE WEST LINE
SECTION 4, BLOCK 1
UNIVERSITY LAND SURVEY
BOTTOM HOLE LOCATION:
100 FEET FROM THE NORTH LINE AND
2360 FEET FROM THE WEST LINE
SECTION 9, BLOCK 1
UNIVERSITY LAND SURVEY
REAGAN COUNTY, TEXAS
QUAD: TEXON PROJECT: 75874PTP
SCALE: 1" = 2000' JOB NO: 75,874-A



GRAPHIC SCALE

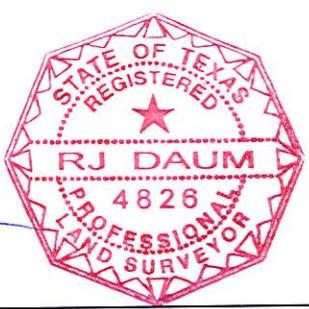


(IN FEET)
1 inch = 2000 ft.

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DATED THIS 21ST DAY OF NOVEMBER, 2017

[Signature]
RJ DAUM
TEXAS RPLS 4826



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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.

LOCATION PLAT

PT PETROLEUM LLC
AS DRILLED
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: 75874PTP
SCALE: 1" = 2000' rev 11-28-17 JOB NO: 75,874B