



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved  
Date: 05/10/2016  
Tracking No.: 149918

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	PT PETROLEUM, LLC	Operator	682074
Operator	2650 FM 407 E STE 145 PMB 158 ARGYLE, TX 76226-0000		

WELL INFORMATION			
API	42-461-40189	County:	UPTON
Well No.:	4251H	RRC District	7C
Lease	UNIVERSITY RED	Field	SPRABERRY (TREND AREA)
RRC Lease	19165	Field No.:	85279200
Location	Section: 25, Block: 4, Survey: UNIVERSITY LANDS, Abstract:		
Latitude	31	Longitud	-101
This well is	9.5	miles in a	SOUTHEAST
direction from	RANKIN,		
which is the nearest town in the			

FILING INFORMATION			
Purpose of	Initial Potential		
Type of	New Well		
Well Type:	Producing	Completion or Recompletion	11/26/2015
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or	09/03/2015	809728	
Rule 37 Exception			
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	10/02/2015	Date of first production after rig	11/26/2015
Date plug back, deepening, drilling operation	10/02/2015	Date plug back, deepening, recompletion, drilling operation	10/23/2015
Number of producing wells on this lease this field (reservoir) including this	2	Distance to nearest well in lease & reservoir	2535.0
Total number of acres in	12180.68	Elevation	2950 GL
Total depth TVD	7647	Total depth MD	15170
Plug back depth TVD	7647	Plug back depth MD	15150
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	261.0 Yes
Recompletion or	No	Multiple	No
Type(s) of electric or other log(s)	Other		
Electric Log Other Description:	MUD LOG		
Location of well, relative to nearest lease of lease on which this well is	330.0 Feet from the	Off Lease :	No
	1320.0 Feet from the	North Line and	
		West Line of the	
		UNIVERSITY RED Lease.	

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease	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	725.0	Date 08/03/2015
SWR 13 Exception	Depth	1700.0	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of	01/24/2016	Production	Pumping
Number of hours	24	Choke	
Was swab used during this	No	Oil produced prior to	
PRODUCTION DURING TEST PERIOD:			
Oil	467.00	Gas	256
Gas - Oil	548	Flowing Tubing	
Water	1441		
CALCULATED 24-HOUR RATE			
Oil	467.0	Gas	256
Oil Gravity - API - 60.:	38.0	Casing	
Water	1441		

CASING RECORD											
Ro	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size (in.)	Size	Depth	Stage Tool	Stage Shoe	Class	Amoun	Volume (cu.	Cement (ft.)	Determined By
1	Surface	9 5/8	12 1/4	1627			C	625	1073.8	0	Circulated to Surface
2	Conventional Production	5 1/2	8 1/2	15160			H	3395	6107.0	2000	Calculation

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

TUBING RECORD			
Ro	Size (in.)	Depth	Size (ft.)
1	2 7/8	6441	
			Packer Depth (ft.)/Type
			/

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Ro	Open hole?	From (ft.)	To (ft.)
1	No	L1 8002	15004.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		Yes	
Is well equipped with a downhole sleeve?		No	
		If yes, actuation pressure	
Production casing test pressure (PSIG)		Actual maximum pressure (PSIG) during	
hydraulic fracturing		9800	fracturin 8433
Has the hydraulic fracturing fluid disclosure been		Yes	
Ro	Type of Operation	Amount and Kind of Material Used	Depth Interval (ft.)
1	Fracture	14,137,807 # SAND W/ 369,001 BBL FRAC	8002 15004

FORMATION RECORD					
<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
YATES	No			No	PINCHED OUT
GRAYBURG	No			No	PINCHED OUT
SAN ANDRES - SALTWATER FLOW	Yes	3955.0	3955.0	Yes	PROD TOC @ 2000'
SPRABERRY	Yes	6100.0	6100.0	Yes	PROD TOC @ 2000'
WOLFCAMP	Yes	6300.0	6300.0	Yes	8002-15004'; PROD TOC @ 2000'
STRAWN	No			No	WELL NOT DEEP ENOUGH
DEVONIAN	No			No	WELL NOT DEEP ENOUGH
FUSSELMAN	No			No	WELL NOT DEEP ENOUGH
ELLENBURGER	No			No	WELL NOT DEEP ENOUGH
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
KOP @ 7136'.

RRC REMARKS
<b>PUBLIC COMMENTS:</b> [RRC Staff 2016-03-08 11:24:49.338] EDL=7002 feet, max acres=520, SPRABERRY (TREND AREA) oil well
<b>CASING RECORD :</b> FLUID CALIPER ATTACHED SHOWING PRODUCTION CASING TOC.
<b>TUBING RECORD:</b>
<b>PRODUCING/INJECTION/DISPOSAL INTERVAL :</b>
<b>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</b>
<b>POTENTIAL TEST DATA:</b>

OPERATOR'S CERTIFICATION			
Printed	Ann Ritchie	Title:	
Telephone	(432) 684-6381	Date	01/29/2016



# RAILROAD COMMISSION OF TEXAS

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

Form W-15

Rev. 08/2014

## CEMENTING REPORT

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

### OPERATOR INFORMATION

Operator Name: FT PETROLEUM	Operator P-S No.: 682014
Cementor Name: Halliburton Energy Services	Cementor P-S No.: 847151

### WELL IDENTIFICATION

District No.: 7C	County: Udon
Well No.: 42514	API No.: 42-46-40189
Lease Name: UNIVERSITY RD	Drilling Permit No.: 809728
Field Name: SPRABERRY (TREND AREA)	Lease No.: 81145
	Field No.: 85279200

### 1. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input checked="" type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input type="checkbox"/> Production	
Drilled hole size (in.): 2 1/4"	Depth of drilled hole (ft.): 1627'
Size of casing in O.D. (in.): 9 5/8"	Est. % wash-out or hole enlargement:
Casing weight (lbs/ft) and grade: 96#	No. of centralizers used: 5
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If no for surface casing, explain in Remarks.	Setting depth shoe (ft.): 1627'
	Top of liner (ft.):
Hrs. waiting on cement before drill-out: 6+	Setting depth liner (ft.):
Calculated top of cement (ft.): 0'	Cementing dates: 10-02-2015

### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	400	C	SEE REMARKS	661	2717.53
2	343	C	SEE REMARKS	222.79	711.20
3					
Total	743			883.78	3428.73

### 2. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings	
Drilled hole size (in.):	Depth of drilled hole (ft.):
Size of casing in O.D. (in.):	Est. % wash-out or hole enlargement:
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:
Upper: Lower:	Upper: Lower:
Tapered string no. of centralizers used	
Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> 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	400	H	SEE REMARKS	369.5	1492.53
2					
3					
Total	400			369.5	1492.53

### 3. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings	
Drilled hole size (in.):	Depth of drilled hole (ft.):
Size of casing in O.D. (in.):	Est. % wash-out or hole enlargement:
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:
Upper: Lower:	Upper: Lower:
Tapered string no. of centralizers used	
Upper: Lower:	
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> 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







# RAILROAD COMMISSION OF TEXAS

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Austin, Texas 78701-2967

Form W-15

Rev. 08/2014

## CEMENTING REPORT

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

### OPERATOR INFORMATION

Operator Name: PT PETROLEUM LLC	Operator P-S No.: 682074
Cementer Name: Halliburton Energy Services	Cementer P-S No.: 347151

### WELL INFORMATION

District No.: 76	County: UPTON	
Well No.: 4251H	API No.: 4246140189	Drilling Permit No.: 809728
Lease Name: UNIVERSITY RED	Lease No.: 19165	
Field Name: SPRABERRY (TREND AREA)	Field No.: 85279200	

### I. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Conductor <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Liner <input checked="" type="checkbox"/> Production	Drilled hole size (in.): 8 1/2"	Depth of drilled hole (ft.): 15,160'	Est. % wash-out or hole enlargement:
	Casing size in O.D. (in.): 5 1/2"	Casing weight (lbs/ft) and grade: 20#	No. of centralizers used: 30
Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO If no, for surface casing explain in Remarks.	Setting depth shoe (ft.): 15,160'	Top of liner (ft.):	Setting depth liner (ft.):
hrs. waiting on cement before drill-out: 34+	Calculated top of cement (ft.): 2000'	Cementing date: 10/23/2015	

#### SLURRY

Slurry No.	No. of Sacks	Class	Additives	Volume (cu. ft.)	Height (ft.)
1	1270	H	REMARKS	3270	12251
2	1975	H	REMARKS	2443	10262
3	150	H	REMARKS	394	1618
Total	3795			6107	24211

### II. CASING CEMENTING DATA

Type of casing: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement shoe <input type="checkbox"/> Multiple parallel strings	Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
	Casing size in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Upper: Lower:	Tapered string drilled hole size (in.):	Tapered string depth of drilled hole (ft.):	
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:	Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> 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: <input type="checkbox"/> Surface <input type="checkbox"/> Intermediate <input type="checkbox"/> Production <input type="checkbox"/> Tapered production <input type="checkbox"/> Multi-stage cement/DV tool <input type="checkbox"/> Multiple parallel strings	Drilled hole size (in.):	Depth of drilled hole (ft.):	Est. % wash-out or hole enlargement:
	Casing size in O.D. (in.):	Casing weight (lbs/ft) and grade:	No. of centralizers used:
Upper: Lower:	Tapered string drilled hole size (in.):	Tapered string depth of drilled hole (ft.):	
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:	Was cement circulated to ground surface (or bottom of cellar) outside casing? <input type="checkbox"/> YES <input type="checkbox"/> 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					

# CEMENTING TO SQUEEZE, PLUG BACK OR PLUG AND ABANDON

	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Cementing Date							
Size of hole or pipe (in.)							
Depth to bottom of tubing or drill pipe (ft.)							
Cement retainer setting depth (ft.)							
BP setting depth (ft.)							
Amount of cement on top of CIBP (ft.)							
Yards of cement used							
Slurry volume pumped (cu. ft.)							
Calculated top of plug (ft.)							
Measured top of plug, if tagged (ft.)							
Slurry weight (lbs./gal)							
Class/type of cement							
Perforate and squeeze (YES/NO)							

## REMARKS

1ST SLURRY ADDITIVES 2 LBM KOL-SEAL, .25 LBM D-AR 5000, .20% HR-601, .25% SA-1015  
 2ND SLURRY ADDITIVES .20% HALAD(R)-P, .25 LBM POLY-E-FLAKE, .05% SA-1015, .25% HR-601  
 3RD SLURRY ADDITIVES .25 LBM D-AR 5000, .75% HR-601, DID NOT CIRCULATE ANY CEMENT TO SURFACE. SCR 0502806780

**CEMENTER'S CERTIFICATE:** I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision, and that the cementing data and facts presented on both sides of this form are true, correct, and complete, to the best of my knowledge. This certification covers cementing data only.

**MICHAEL GALKINS-SERVICE SUPERVISOR**

Halliburton

Name and title of cementer's representative

55 W. Murphy St.

Cementing Company

Odessa, TX 79763

Signature

432-571-8600

10/23/2015

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

**OPERATOR'S CERTIFICATE:** I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this certification, that I have knowledge of the well data and information 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  
 Printed name of operator's representative

Regulatory  
 Title

Signature

2701 Dallas Pkwy Ste 550, Plano, TX 75093

432-684-6381

01/27/16

Address

City, State, Zip Code

Tel: Area Code

Number

Date: mo. day yr.

## Instructions for Form W-15, Cementing Report

**NOTE:** The Form W-15 must be submitted as an attachment to a Form G-1 (Gas Well Back Pressure Test, Completion or Recompletion Report, and Log), Form W-2 (Oil Well Initial Test, Completion or Recompletion Report, and Log), Form W-3 (Plugging Record), or Form W-4 (Application for Multiple Completion), any time cement is pumped in a wellbore.

- What to file:** An operator should file an original and one copy of the completed Form W-15 for each cementing company used on a well. The cementing of different casing strings on a well by one cementing company may be reported on one form.  
 The Form W-15 should be filed with the Form W-3, Plugging Record, unless the Form W-3 is signed by the cementing company representative. When reporting dry holes, operators must complete Form W-15, in addition to Form W-3, to show any casing cemented in the hole.
- How to file:** An oil and gas completion report and Form W-15 may be filed online using the Commission's Online System (<https://webapps.mrc.state.tx.us/security/login.do>) or a paper copy of the form may be mailed to the Commission in Austin (P.O. Box 12957, Austin, Texas 78711-2967).
- Surface casing:** An operator must set and cement sufficient surface casing to protect all usable-quality water strata, as defined by the Groundwater Advisory Unit in Austin. Sufficient cement shall be used to fill the annular space outside the casing from the shoe to the ground surface or to the bottom of the cellar. Before drilling a well, an operator must obtain a letter from the Groundwater Advisory Unit stating the protection depth. Surface casing should not be set deeper than 200 feet below the specified depth without prior approval from the Commission.  
 To plug and abandon a well, operators must use only cements approved by the Commission's Director of Field Operations in accordance with SWR 14 ([http://info.sos.state.tx.us/pls/pub/readtacSext.TacPage?sl=R&app=9&p\\_dir=&p\\_rloc=&poloc=&poloc=&pg=1&p\\_tac=&ti=16&pt=1&ch=3&ri=14](http://info.sos.state.tx.us/pls/pub/readtacSext.TacPage?sl=R&app=9&p_dir=&p_rloc=&poloc=&poloc=&pg=1&p_tac=&ti=16&pt=1&ch=3&ri=14)). Cementing companies, service companies, or operators can qualify as approved cementers by demonstrating that they are able to mix and pump cement in compliance with Commission rules and regulations.
- Estimated % wash-out:** If the estimated % wash-out is less than 20% (or 30% along the Gulf Coast), provide supporting documentation such as a caliper log to show how the estimated % wash-out was obtained.
- Multi-stage cement:** An operator must report the multi-stage cement shoe in the Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool. The operator must report the multi-stage cement tool in the Casing Cementing Data section by selecting the type of casing and Multi-stage cement/DV tool.
- Multiple parallel strings:** An operator should file the Form W-15 as an attachment to the Form W-4, Application for Multiple Completion. An operator may be required to submit multiple Form W-15s to show all data for multiple parallel strings.
- Slurry data:** If cement job exceeds three slurries, continue the list of slurries in the Slurry table in the subsequent Casing Cementing Data box.



DAVID PORTER, CHAIRMAN  
CHRISTI CRADDICK, COMMISSIONER  
RYAN SITTON, COMMISSIONER



LORI WROTENBERY  
DIRECTOR, OIL & GAS DIVISION

BRIAN FLOYD  
DISTRICT DIRECTOR

## RAILROAD COMMISSION OF TEXAS

### OIL AND GAS DIVISION

**OPERATOR Name:** PT PETROLEUM, LLC

**RE: Lease:** University Red

**Address1:** 2701 DALLAS PARKWAY STE 580

**Address2:**

**Well No:** 4251H

**City:** PLANO

**Sec:** 25

**Block:** 4

**State:** TX

**County:** UPTON

**Survey Name:** UL

**SWR13EX Application Number:** 3738

**Drilling Permit No:**

### SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST APPROVED

The Proposed Casing and Cementing Program submitted for the **LEASE NAME:** University Red ;  
**WELL NUMBER:** 4251H 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 1700 feet of surface casing and circulate cement from the shoe to the ground surface.

Drilling permit 809728, API 42-461-40189

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 09/09/2015  
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: Brian Floyd

DATE: 09/10/2015

Brian Floyd

DISTRICT DIRECTOR

Tracking No.: 149918

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: 11/26/2015
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 809728	
Lease Name UNIVERSITY RED	Lease/ID No. 19165	Well No. 4251H
County UPTON	API No. 42- 461-40189	

## 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

01/29/2016

Date

-FOR RAILROAD COMMISSION USE ONLY-





# Weatherford®

## Surface Logging Systems

P.O. Box 80531  
Midland, Texas 79708  
432.687.1823 Main  
432.687.1689 Fax

COMPANY: PT PETROLEUM  
WELL: UNIVERSITY RED 4251H (LATERAL)  
FIELD: WOLFBERRY  
COUNTY: UPTON STATE: TX  
LOCATION: 330' FNL & 1320' FEL, SEC. 25, BLK. 4  
UNIVERSITY LANDS SURVEY

Spud Date: 10/1/15  
Started: 10/5/15 At: 6500'  
Ended: 10/22/15 At: 15170'  
Api No.: 42-461-40189  
G.L.: 2950'  
K.B.: 2975'

### Logging Personnel:

SCOTT MILLIGAN

DAN MIKALIAN

Unit No.: 081

Rig: BISON 15

Filename: PT-PETROLEUM-UNIVERSITY-RED-4251H-H.mlw

Geologist: JASON WALGREN

### Abbreviations:

NB...New Bit	DST...Drill Stem Test
CO...Circ Out	DS...Directional Survey
NR...No Returns	CG...Connection gas
TG...Trip Gas	LAT...Logged After Trip
WOB...Wt on Bit	PP...Pump Pressure
RPM...Rev/Min	SPM...Strokes/Min
SG...Survey Gas	DTG...Down Time Gas

### Mud Data

### Lithology Symbols:

	Anhydrite		Salt		Granite
	Siltstone		Chert		Sandstone
	Dolomite		Conglomerate		Limestone
	Coal		Shale		Bentonite
	Carb Shale		Granite Wash		Quartz Wash
	Red Sh		Org Sh		Green Sh
	Cust Sh1		Cust Sh2		Cust Sh3
	Cust Sh4		Cust Sh5		Cust Sh6

### Gas Chromatograph Analysis:

HW -----  
C1 -----  
C2 -----  
C3 -----  
IC4 -----  
NC4 -----  
IC5 -----

### Accessories

# FLUID CALIPER

DELIVERED TO

PT OPERATING

10/22/15

LEASE

RED

WELL NO.

4251H

ORDERED BY

EWS CONSULTING

RUN FLUID CALIPER TO A DEPTH OF

15,164

FEET

TO DETERMINE THE VOLUME IN CUBIC FEET REQUIRED

TO CIRCULATE CEMENT BEHIND YOUR

5 1/2"

CASING.

ANNULAR VOLUME TO T.D.

6107

CU. FT.

WITH A TOP OF CEMENT OF

2000'

AVERAGE HOLE SIZE

10 3/4"

WASHOUT

103

% O.T.H

STATEMENT OF PRODUCTIVITY OF ACREAGE  
ASSIGNED TO PRORATION UNITS

Form P-15

Tracking No.: 149918

This facsimile P-15 was generated electronically  
from data submitted to the RRC.

The undersigned states that he is authorized to make this statement; that he has knowledge of the facts concerning the PT PETROLEUM, LLC ,

UNIVERSITY RED , No. 4251H ; that such well is  
LEASE OPERATOR WELL

completed in the SPRABERRY (TREND AREA) Field, UPTON County,

Texas and that the acreage claimed, and assigned to such well for proration purposes as authorized by special rule and as shown on the attached certified plat embraces \_\_\_\_\_

417.0 acres which can reasonably be considered to be productive of hydrocarbons.

- CERTIFICATE -

*I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources Code, that I am authorized to make this report, that this report was prepared by me or under my supervision and direction, and that data and facts stated therein are true, correct, and complete, to the best of my knowledge,*

Date 01/29/2016 Signature Ann Ritchie

Telephone (432) 684-6381 Title \_\_\_\_\_  
AREA CODE

Date: mo. day yr.



## GROUNDWATER PROTECTION DETERMINATION

Form GW-2

Groundwater Advisory Unit

Date: 03 August 2015

GAU Number: 12762

Attention: PT PETROLEUM, LLC

2701 DALLAS PARKWAY STE 580

PLANO, TX 75093

P-5#: 682074

API Number:

County: UPTON

Lease Name: University Red

RRC Lease Number:

Well Number: 4251H

Total Vertical Depth: 10000

Latitude: 31.157543

Longitude: -101.864100

Datum: NAD27

Purpose: New Drill

Location: Survey-UL; Block-4; Section-25

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 725 feet must be protected.

This determination is based on information provided when the application was submitted on 07/31/2015. 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](mailto:gau@rrc.texas.gov).

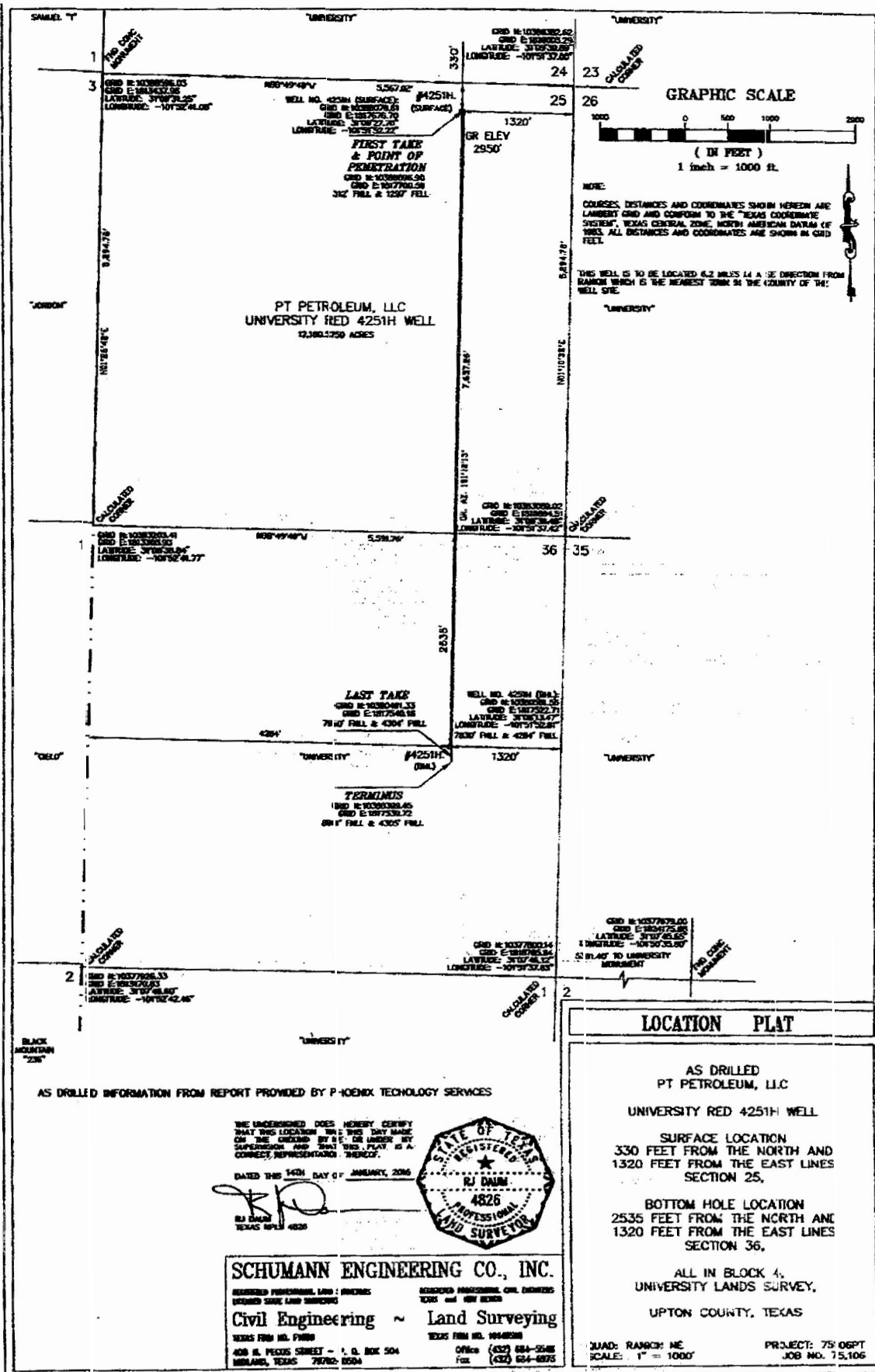
Groundwater Advisory Unit, Oil and Gas Division

Form GW-2

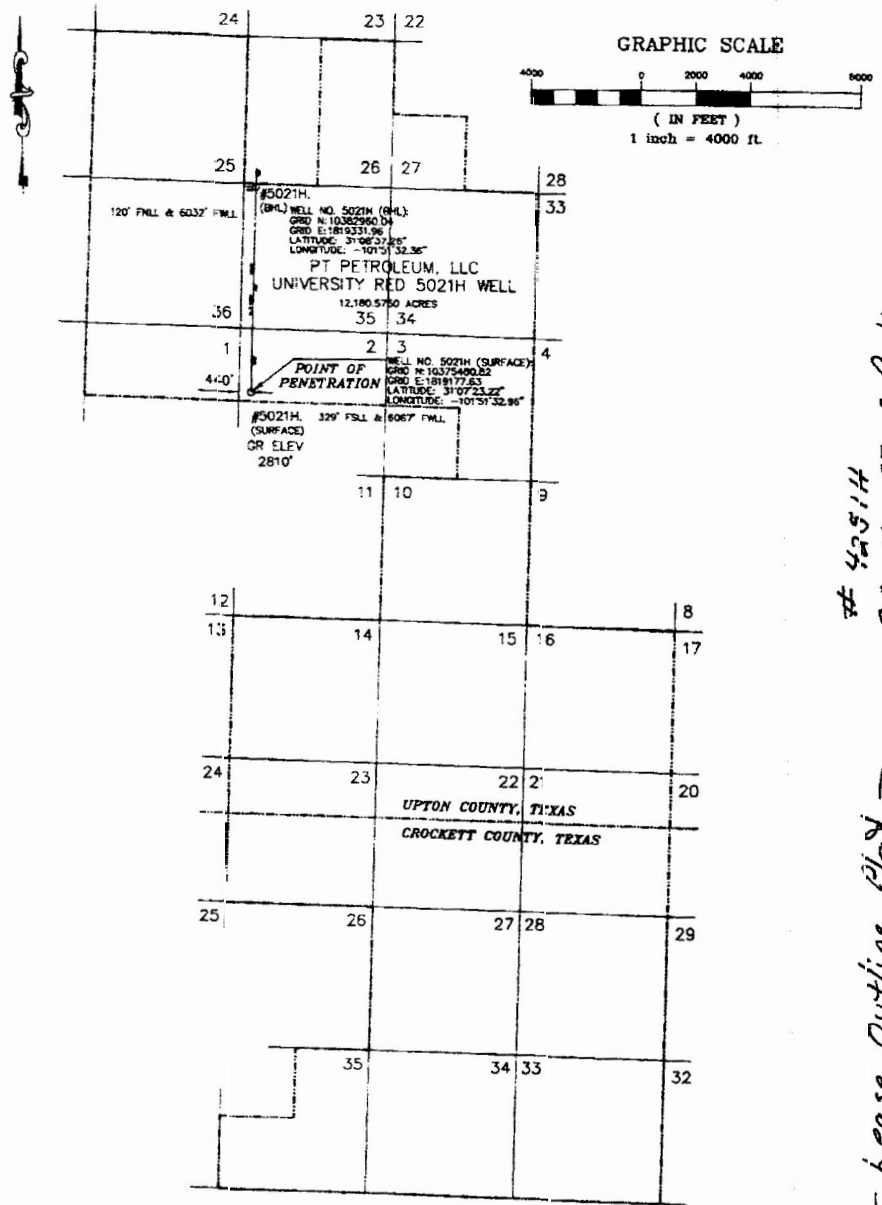
P.O. Box 12967 Austin, Texas 78771-2967 512-463- 2741

Rev. 02/2014

Internet address: [www.rrc.texas.gov](http://www.rrc.texas.gov)







# 4251H  
9.5 miles SE of Rankin  
10600'

- Lease Outline Plat -

THIS WELL IS TO BE LOCATED 8.3 MILES IN A SE DIRECTION FROM RANKIN WHICH IS THE NEAREST TOWN IN THE COUNTY OF THE WELL SITE.

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 PLAT IS A CORRECT REPRESENTATION THEREOF.

DATED THIS 21ST DAY OF AUGUST, 2015

*[Signature]*  
RJ DAUM  
TEXAS RPES 4826



**SCHUMANN ENGINEERING CO., INC.**  
REGISTERED PROFESSIONAL LAND SURVEYORS  
LICENSED STATE LAND SURVEYORS  
Civil Engineering ~ Land Surveying  
TEXAS FIRM NO. 71800  
408 N. PECOS STREET - P. O. BOX 504  
MIDLAND, TEXAS 79702-0504  
TEXAS FIRM NO. 18148000  
Office (432) 684-5548  
Fax (432) 684-6873

**LOCATION PLAT**

PT PETROLEUM, LLC  
UNIVERSITY RED 5021H WELL

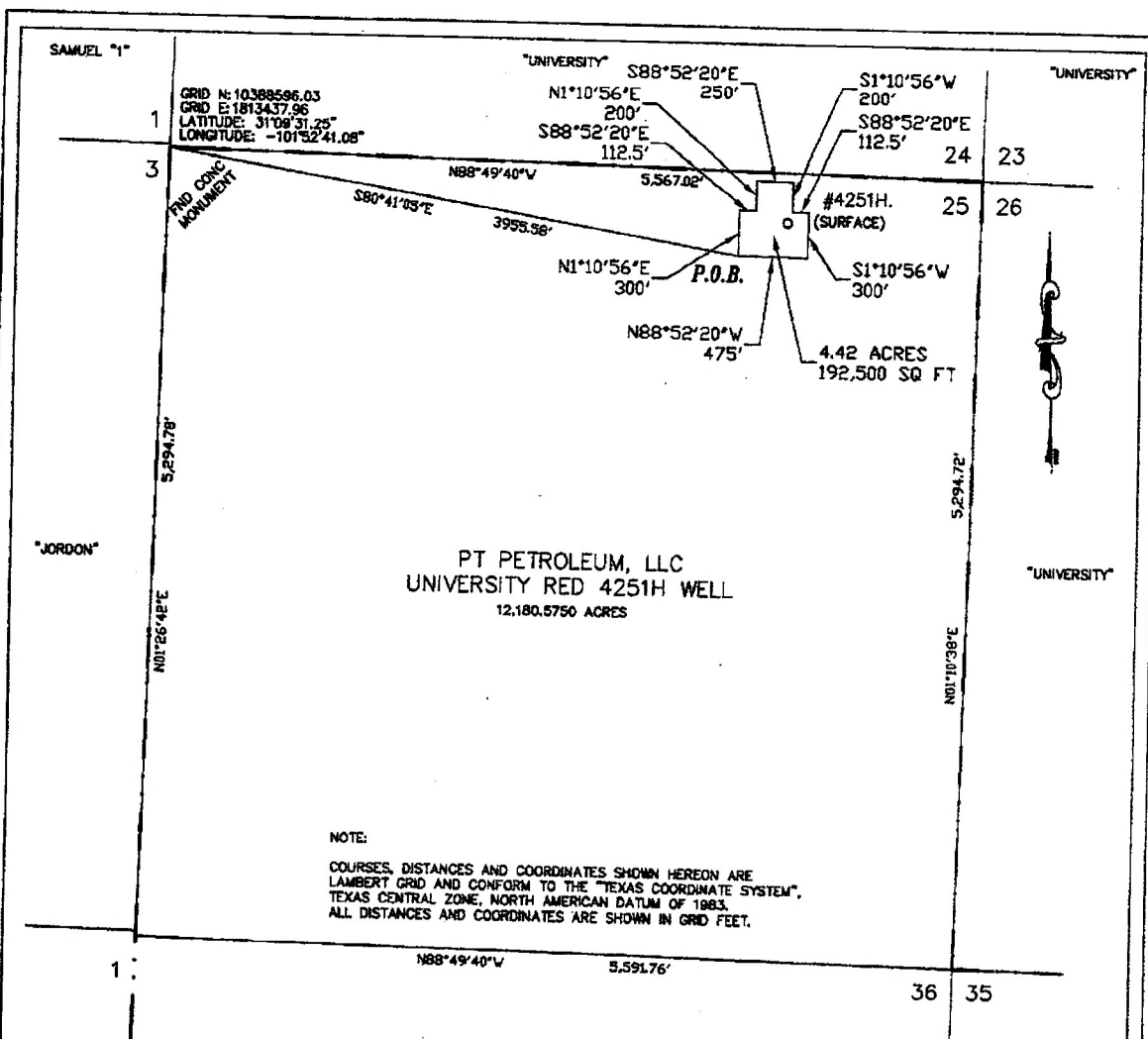
SURFACE LOCATION  
2310 FEET FROM THE NORTH AND  
440 FEET FROM THE WEST LINES  
SECTION 2, BLOCK 5,

BOTTOM HOLE LOCATION  
120 FEET FROM THE NORTH AND  
440 FEET FROM THE WEST LINES  
SECTION 35, BLOCK 4,

UNIVERSITY LANDS SURVEY,  
UPTON COUNTY, TEXAS

QUAD: RANKIN NE  
SCALE: 1" = 4000'

PROJECT: 74957P  
JOB NO. 74,957-11



FIELD NOTE DESCRIPTION OF A 4.42 ACRE TRACT OF LAND FOR PT PETROLEUM, LLC TO SERVE UNIVERSITY RED 4251H WELL OUT OF SECTION 25, BLOCK 4, UNIVERSITY LANDS SURVEY, UPTON COUNTY, TEXAS, DESCRIBED AS FOLLOWS:

BEGINNING AT A POINT FOR THE SOUTHWEST CORNER OF THIS TRACT, SAID POINT LOCATED 3955.58 FEET SOUTH 80°41'05" EAST OF A CONCRETE MONUMENT FOUND FOR THE NORTHWEST CORNER OF SAID SECTION 25;

THENCE NORTH 1°10'56" EAST 300 FEET TO A POINT FOR THE MOST WESTERLY NORTHWEST CORNER OF THIS TRACT;

THENCE SOUTH 88°52'20" EAST 112.5 FEET TO A POINT FOR AN INTERIOR CORNER OF THIS TRACT;

THENCE NORTH 1°10'56" EAST 200 FEET TO A POINT FOR THE MOST NORTHERLY NORTHWEST CORNER OF THIS TRACT;

THENCE SOUTH 88°52'20" EAST 250 FEET TO A POINT FOR THE MOST NORTHERLY NORTHEAST CORNER OF THIS TRACT;

THENCE SOUTH 1°10'56" WEST 200 FEET TO A POINT FOR AN INTERIOR CORNER OF THIS TRACT;

THENCE SOUTH 88°52'20" EAST 112.5 FEET TO A POINT FOR THE MOST EASTERLY NORTHEAST CORNER OF THIS TRACT

THENCE SOUTH 1°10'56" WEST 300 FEET TO A POINT FOR TO THE SOUTHEAST CORNER OF THIS TRACT;

THENCE NORTH 88°52'20" WEST 475 FEET TO A POINT FOR THE PLACE OF BEGINNING.

## LOCATION PLAT

PT PETROLEUM, LLC  
4.42 ACRE TRACT OF LAND TO SERVE  
UNIVERSITY RED 4251H WELL  
OUT OF SECTION 25, BLOCK 4,  
UNIVERSITY LANDS SURVEY,  
UPTON COUNTY, TEXAS

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 1ST DAY OF JULY, 2015

RJ DAUM  
TEXAS RPIS 4826



SCHUMANN ENGINEERING CO., INC.

REGISTERED PROFESSIONAL LAND SURVEYORS  
LICENSED STATE LAND SURVEYORS

REGISTERED PROFESSIONAL CIVIL ENGINEERS  
TEXAS and NEW MEXICO

Civil Engineering ~ Land Surveying

TEXAS FIRM NO. F1980  
408 N. PECOS STREET - P. O. BOX 504  
MIDLAND, TEXAS 79702-0504

TEXAS FIRM NO. 10148500  
Office (432) 684-5548  
Fax (432) 684-6973

QUAD: RANKIN NE  
SCALE: 1" = 1000' rev 7-6-15

PROJECT: 74818PT  
JOB NO: 74,818-E