

API No. <u>42-371-39532</u>	<b>RAILROAD COMMISSION OF TEXAS OIL &amp; GAS DIVISION</b>				<b>FORM W-1</b> 07/2004	
Drilling Permit # <u>825576</u>	<b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b>				Permit Status: <b>Approved</b>	
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. <b>276868</b>	2. Operator's Name (as shown on form P-5, Organization Report) <b>FORGE ENERGY, LLC</b>			3. Operator Address (include street, city, state, zip): <b>10999 IH 10 WEST SUITE 900 SAN ANTONIO, TX 78230-0000</b>		
4. Lease Name <b>UL 24 VOYAGER</b>			5. Well No. <b>2H</b>			
<b>GENERAL INFORMATION</b>						
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 <b>7500</b>		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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>						
11. RRC District No. <b>08</b>		12. County <b>PECOS</b>		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>14.6</u> miles in a <u>N</u> direction from <u>FT. STOCKTON</u> which is the nearest town in the county of the well site.						
15. Section <b>2</b>	16. Block <b>24</b>	17. Survey <b>UL</b>		18. Abstract No. <b>A-U201</b>	19. Distance to nearest lease line: <b>200</b> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <b>640</b>
21. Lease Perpendiculars: <u>200</u> ft from the <u>NORTH</u> line and <u>2050</u> ft from the <u>EAST</u> line.			22. Survey Perpendiculars: <u>200</u> ft from the <u>NORTH</u> line and <u>2050</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		
<b>FIELD INFORMATION</b> 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
<b>08</b>	<b>98359800</b>	<b>WOLFBONE (TREND AREA)</b>		<b>Oil or Gas Well</b>	<b>7500</b>	<b>0.00</b>
<b>BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS</b> (see W-1H attachment)						
<b>Remarks</b> [RRC STAFF Apr 25, 2017 10:47 AM]: Changed well count to match UFT field rules.				<b>Certificate:</b> I certify that information stated in this application is true and complete, to the best of my knowledge.  <u>Katrina Boyd, Operations Assistant</u> <u>Apr 18, 2017</u> Name of filer    Date submitted  <u>(432)5241301</u> <u>kboyd@forenergy.com</u> Phone    E-mail Address (OPTIONAL)		
<b>RRC Use Only</b> Data Validation Time Stamp: <u>Apr 27, 2017 11:27 AM( Current Version )</u>						

**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 # **825576**  
Approved Date: **Apr 26, 2017**

1. RRC Operator No. <b>276868</b>	2. Operator's Name (exactly as shown on form P-5, Organization Report) <b>FORGE ENERGY, LLC</b>	3. Lease Name <b>UL 24 VOYAGER</b>	4. Well No. <b>2H</b>
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**Lateral Drainhole Location Information**

5. Field as shown on Form W-1 **WOLFBONE (TREND AREA) (Field # 98359800, RRC District 08)**

6. Section <b>2</b>	7. Block <b>24</b>	8. Survey <b>UL</b>	9. Abstract	10. County of BHL <b>PECOS</b>
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11. Terminus Lease Line Perpendiculars <b>200</b> ft. from the <b>SOUTH</b> line. and <b>350</b> ft. from the <b>WEST</b> line
12. Terminus Survey Line Perpendiculars <b>200</b> ft. from the <b>SOUTH</b> line. and <b>350</b> ft. from the <b>WEST</b> line
13. Penetration Point Lease Line Perpendiculars <b>200</b> ft. from the <b>NORTH</b> line. and <b>2050</b> ft. from the <b>EAST</b> line





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

**PECOS (371) County**

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
TOBORG	100	500		1	12/17/2013
SOMA	700	900		2	12/17/2013
RUSTLER	1,300	1,300		3	12/17/2013
YATES	700	2,900		4	12/17/2013
SEVEN RIVERS	1,400	1,800		5	12/17/2013
GRAYBURG	1,600	2,200		6	12/17/2013
O'BRIEN	2,500	2,500		7	12/17/2013
GLORIETA	2,900	2,900		8	12/17/2013
TUBB	3,200	3,200		9	12/17/2013
QUEEN	1,100	3,400		10	12/17/2013
SAN ANDRES	1,200	3,800	usable quality water zone; low volume H2S	11	12/17/2013
PERMIAN GENERAL	3,900	3,900		12	12/17/2013
CLEARFORK	2,500	4,200		13	12/17/2013
SULLIVAN	4,800	4,800		14	12/17/2013
WICHITA ALBANY	2,700	4,800		15	12/17/2013
DELAWARE	4,000	5,200		16	12/17/2013
MONTOYA	5,300	5,300		17	12/17/2013
WADDELL	6,000	6,000		18	12/17/2013
CANYON	6,000	6,900		19	12/17/2013
BONE SPRINGS	7,100	7,100		20	12/17/2013
CABBALLOS	7,300	7,300		21	12/17/2013
STRAWN	7,000	8,300		22	12/17/2013
ZONE	9,800	9,800	unidentified	23	12/17/2013
MULTIPAY	12,000	12,000	unidentified	24	12/17/2013
WOLFCAMP	4,400	12,000		25	12/17/2013
PENNSYLVANIAN	7,700	12,900		26	12/17/2013
MISSISSIPPIAN	15,000	15,000		27	12/17/2013
ATOKA	16,400	16,400		28	12/17/2013
ELLENBURGER	4,700	20,500		29	12/17/2013

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**PECOS (371) County**

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
DEVONIAN	5,100	21,200		30	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>

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<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:** 25 April 2017      **GAU Number:** 170831

<b>Attention:</b>	FORGE ENERGY, LLC 10999 IH 10 WEST SUITE 900 SAN ANTONIO, TX 78230	<b>API Number:</b>	
<b>Operator No.:</b>	276868	<b>County:</b>	PECOS
		<b>Lease Name:</b>	UL 24 VOYAGER
		<b>Lease Number:</b>	
		<b>Well Number:</b>	2H
		<b>Total Vertical Depth:</b>	7500
		<b>Latitude:</b>	30.891081
		<b>Longitude:</b>	-102.634257
		<b>Datum:</b>	NAD27

**Purpose:** New Drill  
**Location:** Survey-UNIVERSITY LANDS; Block-24; Section-2

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 for all wells drilled in this N/2 of sec. 2.

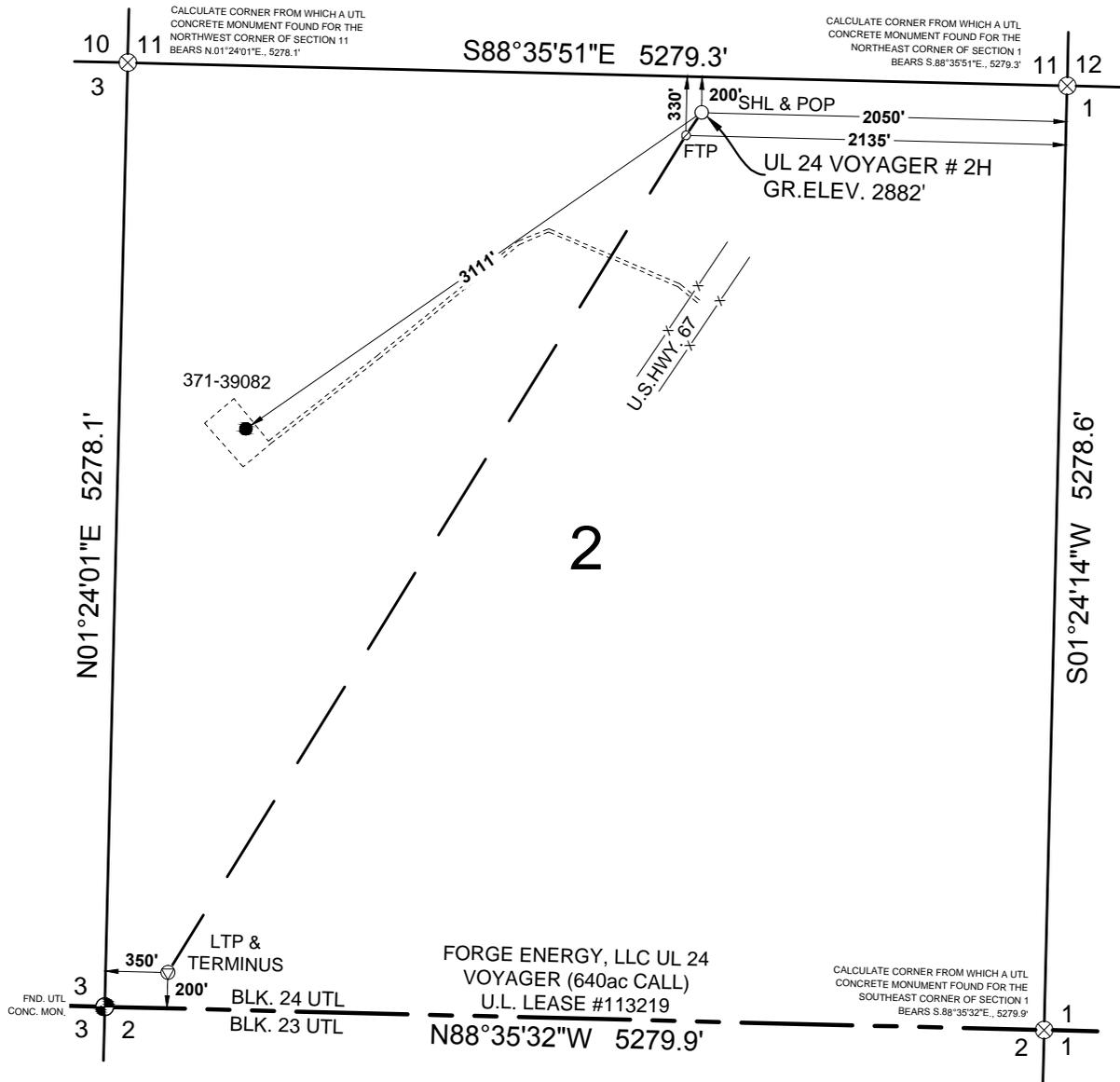
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. This recommendation is for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

This determination is based on information provided when the application was submitted on 04/20/2017. 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

# SECTION 2, BLOCK 24, UNIVERSITY LANDS SURVEY, PECOS COUNTY, TEXAS

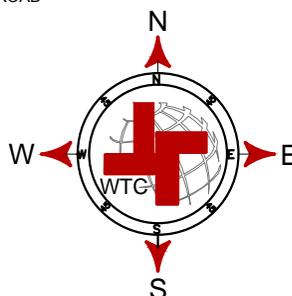


SURFACE LOCATION	NAD 83, TEXAS CENTRAL - N.(Y)=10295337.8', E.(X)=1574811.4' - LAT=30° 53' 28.45"N, LON=102° 38' 04.86"W.
	NAD 27, TEXAS CENTRAL - N.(Y)= 452763.3', E.(X)=1278345.6' - LAT=30.8910819°N, LON=102.6342577°W.
FIRST TAKE	NAD 83, TEXAS CENTRAL - N.(Y)=10295209.9', E.(X)=1574723.2' - LAT=30° 53' 27.17"N, LON=102° 38' 05.84"W.
	NAD 27, TEXAS CENTRAL - N.(Y)=634257', E.(X)=1278257.4' - LAT=30.8907254°N, LON=102.6345304°W.
LAST TAKE & TERMINUS	NAD 83, TEXAS CENTRAL - N.(Y)=10290531.6', E.(X)=1571813.7' - LAT=30° 52' 40.27"N, LON=102° 38' 38.11"W.
	NAD 27, TEXAS CENTRAL - N.(Y)=447957.1', E.(X)=1275347.9' - LAT=30.8776986°N, LON=102.6434945°W.

FROM THE JCT. OF U.S. HIGHWAY 67 AND INTERSTATE 10 ABOUT 14 MILES EAST OF FT. STOCKTON, TEXAS, GO NORTH ON US 67 FROM THE NORTH SERVICE ROAD FOR ±0.8 MILES TO A CALICHE ROAD LEFT. GO WEST ON CALICHE ROAD ±275 FEET TO THE PROPOSED LEASE ROAD AND THE LOCATION ±900 FEET RIGHT.

**SURVEYOR'S NOTES:**

- SEE DOCUMENTS FILED IN THIS OFFICE WHICH DESCRIBE IN DETAIL THE RECONSTRUCTION OF THESE SECTIONS AND/OR BLOCKS, USING FOUND MONUMENTATION, GLO AND COURTHOUSE DOCUMENTATION.
- NO SURFACE OWNERSHIP WAS PROVIDED OR REQUESTED BY FORGE ENERGY, L.L.C. AND NONE WAS RESEARCHED OR PROVIDED BY W.T.C., INC.
- BASIS OF BEARINGS AND COORDINATES SHOWN HEREON ARE A LAMBERT CONICAL PROJECTION OF THE TEXAS COORDINATE SYSTEM, STATE PLANE GRID, CENTRAL ZONE, NAD 83, BASED ON NGS STATION HIGH.
- THIS LOCATION IS APPROXIMATELY 14.6 MILES N.89°E. FROM FT. STOCKTON, TEXAS.



**LEGEND**

- DENOTES SURFACE HOLE LOCATION
- ⊗ DENOTES POINT OF PENETRATION
- ⊙ DENOTES FIRST OR LAST TAKE POINT
- ⊕ DENOTES FIRST OR LAST TAKE POINT
- ⊗ DENOTES FOUND SECTION CORNER
- ⊗ DENOTES CALCULATED CORNER
- ▨ DENOTES LEASE BOUNDARY



I, THE UNDERSIGNED, DO HEREBY CERTIFY THAT THE SURVEY INFORMATION FOUND ON THIS PERMIT PLAT WAS DERIVED FROM FIELD NOTES OR ELECTRONIC DATA OF AN ACTUAL ON-THE-GROUND SURVEY MADE BY ME OR UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. NO WARRANTY IS MADE OR INTENDED FOR THE LOCATION OF ANY OR ALL EASEMENTS THAT MAY EXIST WITHIN THE BOUNDS OF THIS SURVEY. THE INFORMATION PRESENTED HEREON IS FOR TEXAS RAILROAD COMMISSION PERMITTING ONLY, AND DOES NOT CONSTITUTE OR REPRESENT A COMPLETE BOUNDARY SURVEY AS DEFINED BY THE T.B.P.L.S., "PROFESSIONAL LAND SURVEYING PRACTICES ACT." IF THERE ARE ANY ALTERATIONS MADE, (HAND DRAWN OR HANDWRITTEN ADDITIONS) THIS SURVEYOR IS NO LONGER RESPONSIBLE FOR THE VALIDITY OF THIS PLAT.

*Gregory W. Shoults*  
03/24/2017  
DATE

GREGORY W. SHOULTS RPLS #5356

SURVEY DATE: 03/23/2017  
JOB NO.: 51739

DRAFT GWS  
SHEET: 1 OF 1



**UL 24 VOYAGER #2H**  
LOCATED 200 FEET FROM THE NORTH LINE AND 2050 FEET FROM THE EAST LINE OF SECTION 2, BLOCK 24, UNIVERSITY LANDS SURVEY, PECOS COUNTY, TEXAS.



**W T C, INC.**  
405 S.W. 1st. STREET  
ANDREWS, TEXAS 79714  
(432) 523-2181  
TEXAS REGISTERED ENGINEERING FIRM F-2746  
TEXAS REGISTERED SURVEYOR FIRM #100792-00