API No. RAILROAD COMMISSION OF TEXAS FORM W-1 07/2004 42-475-37187 OIL & GAS DIVISION Drilling Permit # Approved Permit Status: 822323 APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER SWR Exception Case/Docket No. 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. 1. RRC Operator No. 2. Operator's Name (as shown on form P-5, Organization Report) 3. Operator Address (include street, city, state, zip): 276868 FORGE ENERGY, LLC 10999 IH 10 WEST SUITE 900 4. Lease Name 5. Well No. SAN ANTONIO, TX 78230-0000 UL 18 DYK 2H GENERAL INFORMATION X New Drill Field Transfer Recompletion Reclass Re-Enter 6. Purpose of filing (mark ALL appropriate boxes): ☐ Amended Amended as Drilled (BHL) (Also File Form W-1D) ☐ Sidetrack ☐ Vertical Morizontal (Also File Form W-1H) Directional (Also File Form W-1D) 7. Wellbore Profile (mark ALL appropriate boxes): 8. Total Depth 9. Do you have the right to develop the 10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? 13000 minerals under any right-of-way? SURFACE LOCATION AND ACREAGE INFORMATION 11. RRC District No. 12. County X Land 13. Surface Location ☐ Bay/Estuary Inland Waterway ☐ Offshore 80 WARD **PYOTE** miles in a 14. This well is to be located direction from which is the nearest town in the county of the well site. 16. Block 17. Survey 18. Abstract No. 19. Distance to nearest lease line: 15. Section 20. Number of contiguous acres in lease, pooled unit, or unitized tract: 18 18 UNIVERSITY LANDS 480.53 SOUTH 331 EAST 287 ft from the 21. Lease Perpendiculars: line. ft from the line and **WEST** SOUTH 2310 ft from the 287 ft from the line. line and 22. Survey Perpendiculars: X No 23. Is this a pooled unit? X Yes □ No (attach Form W-1A) 24. Unitization Docket No: List all fields of anticipated completion including Wildcat. List one zone per line. FIELD INFORMATION 26. RRC 27. Field No. 28. Field Name (exactly as shown in RRC records) 29. Well Type 30. Completion Depth 31. Distance to Nearest 32. Number of Wells on District No. Well in this Reservoir this lease in this Reservoir 08 Oil or Gas Well 13000 1843.00 2 71052900 PHANTOM (WOLFCAMP) BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment) Remarks Certificate: IRRC STAFF Jan 27, 2017 9:11 AMI: There have been problems identified with this permit (see problem letter attachment). I certify that information stated in this application is true and complete, to the Notification sent.; [RRC STAFF Jan 27, 2017 3:57 PM]: Problems identified with this permit are resolved.; [RRC STAFF Jan best of my knowledge. 27, 2017 4:07 PM]: Katrina Boyd sent revised plat.; [RRC STAFF Jan 31, 2017 8:01 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Jan 31, 2017 8:03 AM]: Changed

distance to nearest lease line to match plat. Changed BHL survey information to match RRC GIS and plat.; [RRC STAFF Jan

Jan 31, 2017 1:30 PM(Current Version)

31, 2017 12:03 PMI: Problems identified with this permit are resolved.; [RRC STAFF Jan 31, 2017 12:03 PMI: P12 attached.

Data Validation Time Stamp:

RRC Use Only

Katrina Boyd, Operations Assistant

Name of filer

Phone

(432)5241301

Jan 20, 2017

Date submitted

kboyd@forgenergy.com

E-mail Address (OPTIONAL)

Permit Status:

Approved

The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.

RAILROAD COMMISSION OF TEXAS **OIL & GAS DIVISION**

Form W-1H **Supplemental Horizontal Well Information**

07/2004

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.

822323 Permit #

Approved Date: Jan 31, 2017

	RC Operator No. 276868	`	etly as shown on form P-5, Orga DRGE ENERGY, LLC	nization Report)	3. Lea	ase Name	JL 18 DYK			4. Well No. 2H
Later	Lateral Drainhole Location Information									
5. Fie	5. Field as shown on Form W-1 PHANTOM (WOLFCAMP) (Field # 71052900, RRC District 08)									
6. Sec	7 19 7	7. Block 18	8. Survey UNIVERS	ITY LANDS			9	. Abstract	10. County WARD	of BHL
		ase Line Perpendiculars 331 ft. from the vey Line Perpendiculars	EAST	line. and	200	ft. from the _	NORTH	ł	lin	9
	_	2310 ft. from the _	WEST	line. and	2442	ft. from the	SOUTH		line	;
1	13. Penetration Point Lease Line Perpendiculars									
	_	331 ft. from the	EAST	line. and	287	ft. from the	SOUT	H	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	822323	DATE PERMIT ISSUED OR AMENDED Jan 31, 2017	DISTRIC	DISTRICT * 08				
API NUMBER	42-475-37187	FORM W-1 RECEIVED Jan 20, 2017	COUNTY	WA	RD			
TYPE OF OPERAT		WELLBORE PROFILE(S)	ACRES	400	. 50			
	W DRILL	Horizontal).53			
10999 IH	NERGY, LLC 10 WEST SUITE ONIO, TX 78230-		This perm revoked i	f payment for to Commission is	wable assigned mafee(s) submitted to not honored. Telephone No:			
LEASE NAME	UL ⁷	18 DYK	WELL NU	JMBER	2H			
LOCATION	7.9 miles NW dire	TOTAL D	TOTAL DEPTH 13000					
Section, Block and/or SECTION	r Survey VERSITY LANDS		RACT -【					
DISTANCE TO SUR	VEY LINES 2310 ft. WEST	287 ft. SOUTH	DISTANC		ST LEASE LINE Oft.	E		
DISTANCE TO LEAS	SE LINES 331 ft. EAST	287 ft. SOUTH	DISTANC	DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below				
FIELD(s) and LIMIT		EE FIELD DISTRICT FOR REPORTING	G PURPOS	ES *				
FIELD NAME LEASE NAME			ACRES NEAREST L	DEPTH EASE	WELL # NEAREST WE	DIST		
PHANTOM (WOI	•		480.53 200	13,000	2H 1843	08		
WELLBORE PRO	FILE(s) FOR FIELD:	Horizontal						
RESTRICTIONS:	isolated and te Fields with SWR	gen sulfide field. Hydrogen Sulfide sted per State Wide Rule 36 and a Fo 10 authority to downhole commingle ior to commingling production.	rm H-9 file	d with the	district off	ice.		
	Lateral: TH1 Penetration Poi: Lease Lines: Terminus Locati	331.0 F EAST L 287.0 F SOUTH L on						
	BH County: WA Section: 19 Survey: UNIVE Lease Lines: Survey Lines:	Block: 18 Abs RSITY LANDS 331.0 F EAST L 200.0 F NORTH L	tract:					

THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS

RAILROAD COMMISSION OF TEXAS

OIL & GAS DIVISION

PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER ON A REGULAR OR ADMINISTRATIVE EXCEPTION LOCATION

DATE PERMIT ISSUED OR AN Jan 31, 2017	MENDED	DISTRICT * 08			
FORM W-1 RECEIVED Jan 20, 2017		COUNTY			
WELLBORE PROFILE(S) Horizontal		ACRES 480.53			
	276868	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: (432) 684-5581 WELL NUMBER			
LEASE NAME UL 18 DYK					
ection from PYOTE		TOTAL DEPTH 13000			
BLOCK ∢ 18	ABSTRA	ACT ∢			
287 ft. SOUTH		DISTANCE TO NEAREST LEASE LINE 200 ft.			
287 ft. SOUTH		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below			
	Jan 31, 2017 FORM W-I RECEIVED Jan 20, 2017 WELLBORE PROFILE(S) Horizontal 900 -0000 18 DYK ection from PYOTE BLOCK 18 S 287 ft. SOUTH	FORM W-1 RECEIVED Jan 20, 2017 WELLBORE PROFILE(S) Horizontal 276868 900 -0000 18 DYK Pection from PYOTE BLOCK 18 ABSTRA S 287 ft. SOUTH			

FIELD(s) and LIMITATIONS:

FIELD NAME ACRES DEPTH WELL # DIST LEASE NAME NEAREST LEASE NEAREST WE

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.

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.

The designated interval for one or more of the fields approved in this permit appears to overlap with the designated interval of another field or fields in this district. In the case of conflicting designated intervals you will be required to be consistent in field designation on this lease. Further, if the designated interval overlap of wells on this lease results in an actual or potential double assignment of reservoir and the applicant cannot conclusively demonstrate that there is no double assignment, the permitted well may not be assigned an allowable until the conflict is resolved. Because of the overlapping designated intervals in this area, issuance of this permit does not guarantee that the completion of the well will be approved or that the well will receive an allowable in any given field, even if that field is listed on the approved permit application.

^{*} SEE FIELD DISTRICT FOR REPORTING PURPOSES *

RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION

SWR #13 Formation Data

WARD (475) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
RUSTLER	1,700	1,700		1	12/17/2013
YATES	2,000	2,800		2	12/17/2013
SEVEN RIVERS	2,375	2,375		3	12/17/2013
QUEEN	2,200	3,200		4	12/17/2013
GLORIETA	3,900	4,000		5	12/17/2013
SAN ANDRES	2,000	4,500	high flows, H2S, corrosive	6	12/17/2013
HOLT	4,600	4,800		7	12/17/2013
CLEARFORK	4,500	5,000		8	12/17/2013
DELAWARE	2,300	5,000		9	12/17/2013
TUBB	4,600	5,300		10	12/17/2013
WICHITA ALBANY	6,000	6,200		11	12/17/2013
CHERRY CANYON	4,800	7,800		12	12/17/2013
WADDELL	7,600	9,700		13	12/17/2013
BONE SPRINGS	4,700	9,800		14	12/17/2013
WOLFCAMP	6,000	12,750		15	12/17/2013
MONTOYA	14,500	14,500		16	12/17/2013
PENNSYLVANIAN	7,500	14,900		17	12/17/2013
ATOKA	12,000	15,000		18	12/17/2013
FUSSELMAN	6,400	17,500		19	12/17/2013
DEVONIAN	6,200	17,800		20	12/17/2013
ELLENBURGER	7,900	20,800		21	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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TUBB	4,600	5,300		10	12/17/2013
WICHITA ALBANY	6,000	6,200		11	12/17/2013
CHERRY CANYON	4,800	7,800		12	12/17/2013
WADDELL	7,600	9,700		13	12/17/2013
BONE SPRINGS	4,700	9,800		14	12/17/2013
WOLFCAMP	6,000	12,750		15	12/17/2013
MONTOYA	14,500	14,500		16	12/17/2013
PENNSYLVANIAN	7,500	14,900		17	12/17/2013
ATOKA	12,000	15,000		18	12/17/2013
FUSSELMAN	6,400	17,500		19	12/17/2013
DEVONIAN	6,200	17,800		20	12/17/2013
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Groundwater Advisory Unit

Date Issued: 20 January 2017 **GAU Number:** 166223 Attention: FORGE ENERGY, LLC **API Number:** County: WARD 10999 IH 10 WEST SUITE 900 UL 18 DYK Lease Name: SAN ANTONIO, TX 78230 Lease Number: **Operator No.:** 276868 2H Well Number: 13000 **Total Vertical Depth:** Latitude: 31.543780 Longitude: -103.250691 Datum: NAD27

Purpose: New Drill

Location: Survey-UNIVERSITY LANDS; Block-18; Section-18

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 350 feet must be protected.

This recommendation is applicable for all wells drilled in this sec. 18.

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 01/20/2017. 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 Rev. 02/2014 P.O. Box 12967 Austin, Texas 78771-2967

512-463-2741

Internet address: www.rrc.texas.gov

