API No. RAILROAD COMMISSION OF TEXAS FORM W-1 07/2004 42-383-39745 OIL & GAS DIVISION Drilling Permit # Approved Permit Status: 820774 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): **SUITE 1850** 766370 SEM OPERATING COMPANY LLC 2050 WEST SAM HOUSTON PKWY S 4. Lease Name 5. Well No. **UNIVERSITY 9** 2816WB HOUSTON, TX 77042-0000 GENERAL INFORMATION X New Drill Recompletion Reclass ☐ Field Transfer Re-Enter 6. Purpose of filing (mark ALL appropriate boxes): ☐ Amended Amended as Drilled (BHL) (Also File Form W-1D) X Horizontal (Also File Form W-1H) ☐ Sidetrack ☐ Vertical ☐ 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 \mathbf{x} No 10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)? 9000 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 7C REAGAN 9.4 NW Big Lake 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 9 lease, pooled unit, or unitized tract: 28 UI Α-100 **NORTH** 7182 7112 ft from the EAST 21. Lease Perpendiculars: line. ft from the line and 1782 NORTH 1904 ft from the **EAST** line. line and ft from the 22. Survey Perpendiculars: X No 25. Are you applying for Substandard Acreage Field? Yes 23. Is this a pooled unit? (attach Form W-1A) 24. Unitization Docket No: FIELD INFORMATION List all fields of anticipated completion including Wildcat. List one zone per line. 26. RRC 27. Field No. 28. Field Name (exactly as shown in RRC records) 29. Well Type 30. Completion Depth 31. Distance to Nearest District No. Well in this Reservoir 7C 222.00 53613750 LIN (WOLFCAMP) Oil or Gas Well 9000

X No 32. Number of Wells on this lease in this Reservoir 11 BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL. HORIZONTAL. AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment) Remarks Certificate: See W1 Comments attached I certify that information stated in this application is true and complete, to the best of my knowledge. **Amber Moore** Nov 29, 2016 Name of filer Date submitted amoore@sequiturenergy.com (432)2182001 **RRC Use Only** Data Validation Time Stamp: Dec 16, 2016 9:37 AM(Current Version) Phone E-mail Address (OPTIONAL) Page 1 of 3

5812.2

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

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Permit # 820774

Approved Date: Dec 14, 2016

1. RRC Operator No. 2. Operator's Name (exactly as shown on form P-5, Organization Report) 3. Lease Name 4. Well No. 2816WB **UNIVERSITY 9** 766370 SEM OPERATING COMPANY LLC Lateral Drainhole Location Information LIN (WOLFCAMP) (Field # 53613750, RRC District 7C) 5. Field as shown on Form W-1 7. Block 6. Section 8. Survey 9. Abstract 10. County of BHL REAGAN 33 UL 11. Terminus Lease Line Perpendiculars South 7368 East ft. from the line. and ft. from the line 12. Terminus Survey Line Perpendiculars South 2090 East 5 ft. from the line, and ft. from the line 13. Penetration Point Lease Line Perpendiculars 7942 South 7368 East ft. from the line. and ft. from the line

Approved Permit Status:

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APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

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W-1 Comments

Permit #

820774

Approved Date: Dec 14, 2016

[RRC STAFF Dec 13, 2016 9:07 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Dec 13, 2016 9:09 AM]: Changed distance to nearest lease line to match plat.; [RRC STAFF Dec 13, 2016 9:11 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Dec 13, 2016 3:08 PM]: Problems identified with this permit are resolved.; [RRC STAFF Dec 13, 2016 3:09 PM]: Lease plat attached. Legible P16 attached.; [RRC STAFF Dec 13, 2016 3:10 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Dec 13, 2016 3:16 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Dec 14, 2016 7:20] AM]: Problems identified with this permit are resolved.; [RRC STAFF Dec 14, 2016 7:20 AM]: Revised P16 attached.

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 820774		DATE PERMIT ISSUED OR AMENDED Dec 14, 2016		DISTRICT * 7C			
API NUMBER	42-383-39745	FORM W-1 RECEIVED Nov 29, 2016		COUNTY REAGAN			
TYPE OF OPERATI	ION W DRILL	WELLBORE PROFILE(S) Horizontal		ACRES	58′	12.2	
OPERATOR SEM OPERATING COMPANY LLC SUITE 1850 2050 WEST SAM HOUSTON PKWY S HOUSTON, TX 77042-0000				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: (325) 657-7450			
LEASE NAME UNIVERSITY 9				WELL NUMBER 2816WB			
OCATION 9.4 miles NW direction from BIG LAKE				TOTAL DEPTH 9000			
Section, Block and/or SECTION	Survey	BLOCK ∢ 9	ABSTRA	CT -{			
DISTANCE TO SURVEY LINES 1782 ft. NORTH 1904 ft. EAST				DISTANCE TO NEAREST LEASE LINE 100 ft.			
DISTANCE TO LEASE LINES 7112 ft. NORTH 7182 ft. EAST				DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below			
FIELD(s) and LIMIT		E FIELD DISTRICT FOR R	EPORTING	PURPOS	ES *		
FIELD NAME LEASE NAME				ACRES NEAREST L	DEPTH EASE	WELL# NEAREST WE	DIST
LIN (WOLFCAMP) UNIVERSITY 9				5812.20 100	9,000	2816WB	7C
WELLBORE PRO	FILE(s) FOR FIELD: \	lorizontal					
RESTRICTIONS:	Lateral: TH1 Penetration Point Lease Lines: Terminus Location BH County: REAC Section: 33 Survey: UL Lease Lines: Survey Lines:	7942.0 F SOUTH L 7368.0 F EAST L	Abstr	ract:			

THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS

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

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

PERMIT NUMBER	DATE PERMIT ISSUED OR AMENDED	DISTRICT					
820774	Dec 14, 2016	* 7C					
API NUMBER	FORM W-1 RECEIVED	COUNTY					
42-383-39745	Nov 29, 2016	REAGAN					
TYPE OF OPERATION	WELLBORE PROFILE(S)	ACRES					
NEW DRILL	Horizontal	5812.2					
OPERATOR	NOTICE						
SEM OPERATING COMPA	This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the						
SUITE 1850		Commission is not honored. District Office Telephone No:					
2050 WEST SAM HOUSTON PI HOUSTON, TX 77042-0000	(325) 657-7450						
LEASE NAME	WELL NUMBER						
UNIVE	2816WB						
LOCATION	TOTAL DEPTH						
9.4 miles NW dired	9000						
Section, Block and/or Survey							
SECTION							
survey ∢ UL							
DISTANCE TO SURVEY LINES	DISTANCE TO NEAREST LEASE LINE						
1782 ft. NORTH	100 ft.						
DISTANCE TO LEASE LINES 7112 ft. NORT	H 7182 ft. EAST	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

WELL# NEAREST WE DIST

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.

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 Advisory Unit

Date Issued: 01 December 2016 **GAU Number:** 163841 Attention: SEM OPERATING COMPANY **API Number:** County: **REAGAN SUITE 1850 UNIVERSITY 9** Lease Name: HOUSTON, TX 77042 Lease Number: **Operator No.:** 766370 2816WB Well Number: 9000 **Total Vertical Depth:** Latitude: 31.239341 Longitude: -101.607818 Datum: NAD27

Purpose: New Drill

Location: Survey-UL; Abstract-U198

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 650 feet must be protected.

This recommendation is applicable to all wells within a radius of 600 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 12/01/2016. 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

