

API No. <u>42-383-39819</u> Drilling Permit # <u>823577</u> SWR Exception Case/Docket No. _____	<b>RAILROAD COMMISSION OF TEXAS</b> <b>OIL &amp; GAS DIVISION</b> <b>APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER</b> <i>This facsimile W-1 was generated electronically from data submitted to the RRC.</i> <i>A certification of the automated data is available in the RRC's Austin office.</i>	<b>FORM W-1</b> 07/2004 Permit Status: <b>Approved</b>				
1. RRC Operator No. <b>766370</b>	2. Operator's Name (as shown on form P-5, Organization Report) <b>SEM OPERATING COMPANY LLC</b>	3. Operator Address (include street, city, state, zip): <b>SUITE 1850</b> <b>2050 WEST SAM HOUSTON PKWY S</b> <b>HOUSTON, TX 77042-0000</b>				
4. Lease Name <b>UNIVERSITY 9C</b>		5. Well No. <b>1207WA</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>10000</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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
<b>SURFACE LOCATION AND ACREAGE INFORMATION</b>						
11. RRC District No. <b>7C</b>	12. County <b>REAGAN</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>13.5</u> miles in a <u>NW</u> direction from <u>Big Lake</u> which is the nearest town in the county of the well site.						
15. Section <b>12</b>	16. Block <b>9</b>	17. Survey <b>UL</b>				
18. Abstract No. <b>A-</b>	19. Distance to nearest lease line: <b>100</b> ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <b>4926.74</b>				
21. Lease Perpendiculars: <u>600</u> ft from the <u>NORTH</u> line and <u>2310</u> ft from the <u>EAST</u> line.		22. Survey Perpendiculars: <u>600</u> ft from the <u>NORTH</u> line and <u>2310</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	32. Number of Wells on this lease in this Reservoir
<b>7C</b>	<b>53613750</b>	<b>LIN (WOLFCAMP)</b>	<b>Oil or Gas Well</b>	<b>10000</b>	<b>1980.00</b>	<b>4</b>
<b>BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)</b>						
<b>Remarks</b>  				<b>Certificate:</b> I certify that information stated in this application is true and complete, to the best of my knowledge.  <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <u>Amber Moore</u> Name of filer         </div> <div style="width: 35%;"> <u>Feb 21, 2017</u> Date submitted         </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;"> <u>(432)2182001</u> Phone         </div> <div style="width: 65%;"> <u>amoore@sequitirenergy.com</u> E-mail Address (OPTIONAL)         </div> </div>		
<b>RRC Use Only</b> Data Validation Time Stamp: Mar 1, 2017 4:04 PM( Current Version )						

**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**

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A certification of the automated data is available in the RRC's Austin office.*

Permit # **823577**  
Approved Date: **Feb 28, 2017**

1. RRC Operator No. <b>766370</b>	2. Operator's Name (exactly as shown on form P-5, Organization Report) <b>SEM OPERATING COMPANY LLC</b>	3. Lease Name <b>UNIVERSITY 9C</b>	4. Well No. <b>1207WA</b>
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**Lateral Drainhole Location Information**

5. Field as shown on Form W-1 **LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)**

6. Section <b>21</b>	7. Block <b>58</b>	8. Survey <b>UL</b>	9. Abstract	10. County of BHL <b>REAGAN</b>
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11. Terminus Lease Line Perpendiculars <b>5</b> ft. from the <b>North</b> line. and <b>2310</b> ft. from the <b>East</b> line
12. Terminus Survey Line Perpendiculars <b>5</b> ft. from the <b>North</b> line. and <b>2310</b> ft. from the <b>East</b> line
13. Penetration Point Lease Line Perpendiculars <b>10535</b> ft. from the <b>North</b> line. and <b>4949</b> ft. from the <b>East</b> line





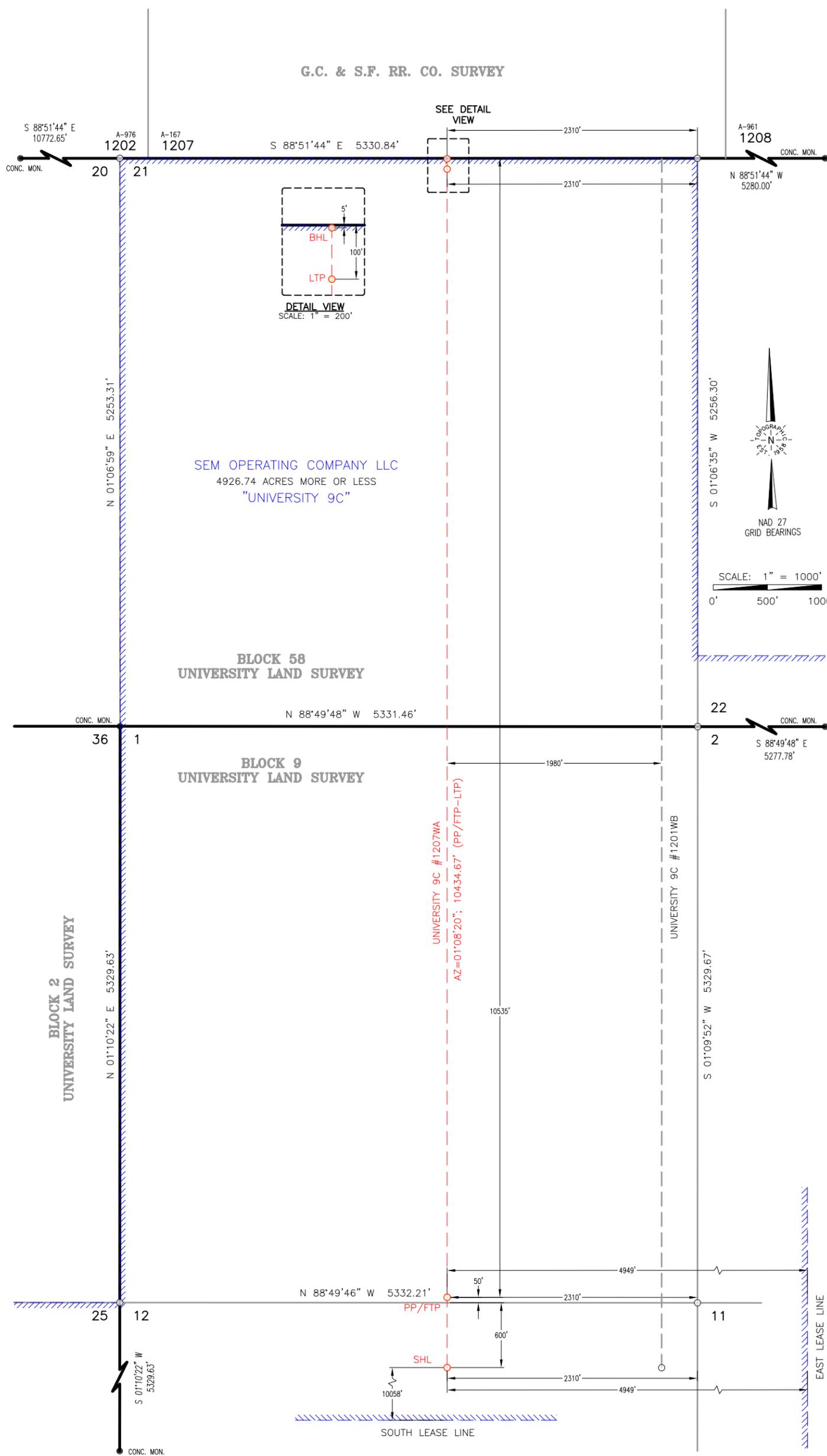
**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION  
SWR #13 Formation Data**

**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>

G.C. & S.F. RR. CO. SURVEY



Surface Hole Location:

**GROUND ELEVATION:**  
 SHL Ground Elevation: 2631'

**COORDINATES:**  
 NAD 27 TX-C ZONE:  
 X = 1585818.11 Y = 591738.70  
 LAT.: N 31°17'12.97" LONG.: W 101°39'33.55"  
 LAT.: N 31.2869370 LONG.: W 101.6593201  
 NAD 83 TX-C ZONE:  
 X = 1882286.12 Y = 10434315.38  
 LAT.: N 31°17'13.51" LONG.: W 101°39'34.99"  
 LAT.: N 31.2870869 LONG.: W 101.6597191

**SURVEY LINE PERPENDICULARS:**  
 600' FNL & 2310' FEL (SEC. 12)

**UNIT LINE PERPENDICULARS:**  
 10058' FSL & 4949' FEL

Penetration Point/  
 First Take Point:

**COORDINATES:**  
 NAD 27 TX-C ZONE:  
 X = 1585831.02 Y = 592388.58  
 LAT.: N 31°17'19.41" LONG.: W 101°39'33.49"  
 LAT.: N 31.2887241 LONG.: W 101.6593035  
 NAD 83 TX-C ZONE:  
 X = 1882299.04 Y = 10434965.26  
 LAT.: N 31°17'19.95" LONG.: W 101°39'34.93"  
 LAT.: N 31.2888739 LONG.: W 101.6597026

**SURVEY LINE PERPENDICULARS:**  
 50' FSL & 2310' FEL (SEC. 1)

**UNIT LINE PERPENDICULARS:**  
 10535' FNL & 4949' FEL

Last Take Point:

**COORDINATES:**  
 NAD 27 TX-C ZONE:  
 X = 1586038.41 Y = 602821.19  
 LAT.: N 31°19'02.69" LONG.: W 101°39'32.54"  
 LAT.: N 31.3174126 LONG.: W 101.6590377  
 NAD 83 TX-C ZONE:  
 X = 1882506.45 Y = 10445397.87  
 LAT.: N 31°19'03.22" LONG.: W 101°39'33.97"  
 LAT.: N 31.3175615 LONG.: W 101.6594367

**SURVEY LINE PERPENDICULARS:**  
 100' FNL & 2310' FEL (SEC. 21)

**UNIT LINE PERPENDICULARS:**  
 100' FNL & 2310' FEL

Bottom Hole Location:

**COORDINATES:**  
 NAD 27 TX-C ZONE:  
 X = 1586040.30 Y = 602916.17  
 LAT.: N 31°19'03.63" LONG.: W 101°39'32.53"  
 LAT.: N 31.3176738 LONG.: W 101.6590352  
 NAD 83 TX-C ZONE:  
 X = 1882508.34 Y = 10445492.85  
 LAT.: N 31°19'04.16" LONG.: W 101°39'33.96"  
 LAT.: N 31.3178227 LONG.: W 101.6594343

**SURVEY LINE PERPENDICULARS:**  
 5' FNL & 2310' FEL (SEC. 21)

**UNIT LINE PERPENDICULARS:**  
 5' FNL & 2310' FEL

All Coordinates are in NAD 27 TX-C Zone unless otherwise noted.

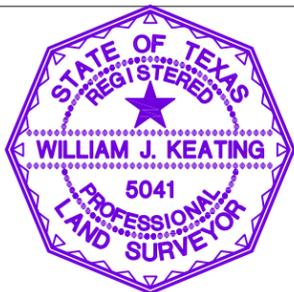
REV#-BY	DATE REVISED	REV#-BY	DATE REVISED
MP	01-30-2017	1-XXX	xx/xx/xx
MP	02-21-2017		

SPECIAL NOTES:

LEGEND	Description
	Unit Boundary
	Section Lines
	Block Line
	Powerline
	Pipeline
	Lease Road
	Calculated Corner

CERTIFICATION:

This well location shown on this permit plat was surveyed on the ground under my direct supervision. This plat is for Texas Railroad Commission permit purpose only and should not be considered a boundary survey.



*William J. Keating*  
 Texas Reg. No. 5041

**TOPOGRAPHIC**  
 LOYALTY INNOVATION LEGACY  
 2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705  
 TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743  
 WWW.TOPOGRAPHIC.COM  
 Texas FIRM Registration NO. 10042500  
 LO\_UNIVERSITY\_9C\_1207WA\_REV2

**SEM OPERATING COMPANY LLC**

LEASE NAME & WELL NO.:  
**UNIVERSITY 9C #1207WA**  
 TOPOGRAPHY & VEGETATION:  
**NATURAL MESQUITE PASTURE**  
 NEAREST TOWN IN COUNTY:  
 ±13.5 MILES NORTHWEST OF BIG LAKE, TEXAS

LOCATION DESCRIPTION:

SHL: SECTION 12, BLOCK 9, UNIVERSITY LAND SURVEY  
 PP/FTP: SECTION 1, BLOCK 9, UNIVERSITY LAND SURVEY  
 LTP/BHL: SECTION 21, BLOCK 58, UNIVERSITY LAND SURVEY  
 REAGAN COUNTY, TEXAS

Scale: 1" = 1000'	Surveyed: 12-30-2016	ORIGINAL DOC. SIZE: 11"x17"
COGO: 519-89429	Drawn By: MP; 01-24-2017	