

API No. <u>42-383-39818</u> Drilling Permit # <u>823573</u> SWR Exception Case/Docket No. _____		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <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>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. 766370		2. Operator's Name (as shown on form P-5, Organization Report) SEM OPERATING COMPANY LLC			3. Operator Address (include street, city, state, zip): SUITE 1850 2050 WEST SAM HOUSTON PKWY S HOUSTON, TX 77042-0000		
4. Lease Name UNIVERSITY 9C		5. Well No. 1201WB					
GENERAL INFORMATION							
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 10000		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			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. 7C		12. County REAGAN		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>13.2</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 12		16. Block 9		17. Survey UL		18. Abstract No. A-	
				19. Distance to nearest lease line: 2969 ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 4926.74	
21. Lease Perpendiculars: <u>10057</u> ft from the <u>SOUTH</u> line and <u>2969</u> ft from the <u>EAST</u> line. 22. Survey Perpendiculars: <u>600</u> ft from the <u>NORTH</u> line and <u>330</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		
FIELD INFORMATION 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	
7C	53613750	LIN (WOLFCAMP)			Oil or Gas Well	10000	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks 					Certificate: 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> <u>Amber Moore</u> Name of filer </div> <div> <u>Feb 21, 2017</u> Date submitted </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(432)2182001</u> Phone </div> <div> <u>amoore@sequitenergy.com</u> E-mail Address (OPTIONAL) </div> </div>		
RRC Use Only							
Data Validation Time Stamp: Mar 1, 2017 4:03 PM(Current Version)							

Permit Status:	Approved
<i>The RRC has not approved this application. Duplication or distribution of information is at the user's own risk.</i>	

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

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

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Permit #	823573
Approved Date:	Feb 28, 2017

1. RRC Operator No. 766370	2. Operator's Name (exactly as shown on form P-5, Organization Report) SEM OPERATING COMPANY LLC	3. Lease Name UNIVERSITY 9C	4. Well No. 1201WB
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)			
6. Section 21	7. Block 9	8. Survey UL	9. Abstract
		10. County of BHL REAGAN	
11. Terminus Lease Line Perpendiculars 5 ft. from the North line. and 330 ft. from the East line			
12. Terminus Survey Line Perpendiculars 5 ft. from the North line. and 330 ft. from the East line			
13. Penetration Point Lease Line Perpendiculars 10586 ft. from the North line. and 2969 ft. from the East 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 823573	DATE PERMIT ISSUED OR AMENDED Feb 28, 2017	DISTRICT * 7C																																														
API NUMBER 42-383-39818	FORM W-1 RECEIVED Feb 21, 2017	COUNTY REAGAN																																														
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Horizontal	ACRES 4926.74																																														
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																																														
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<p align="center">THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</p> <p>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.</p>																																																

RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION

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

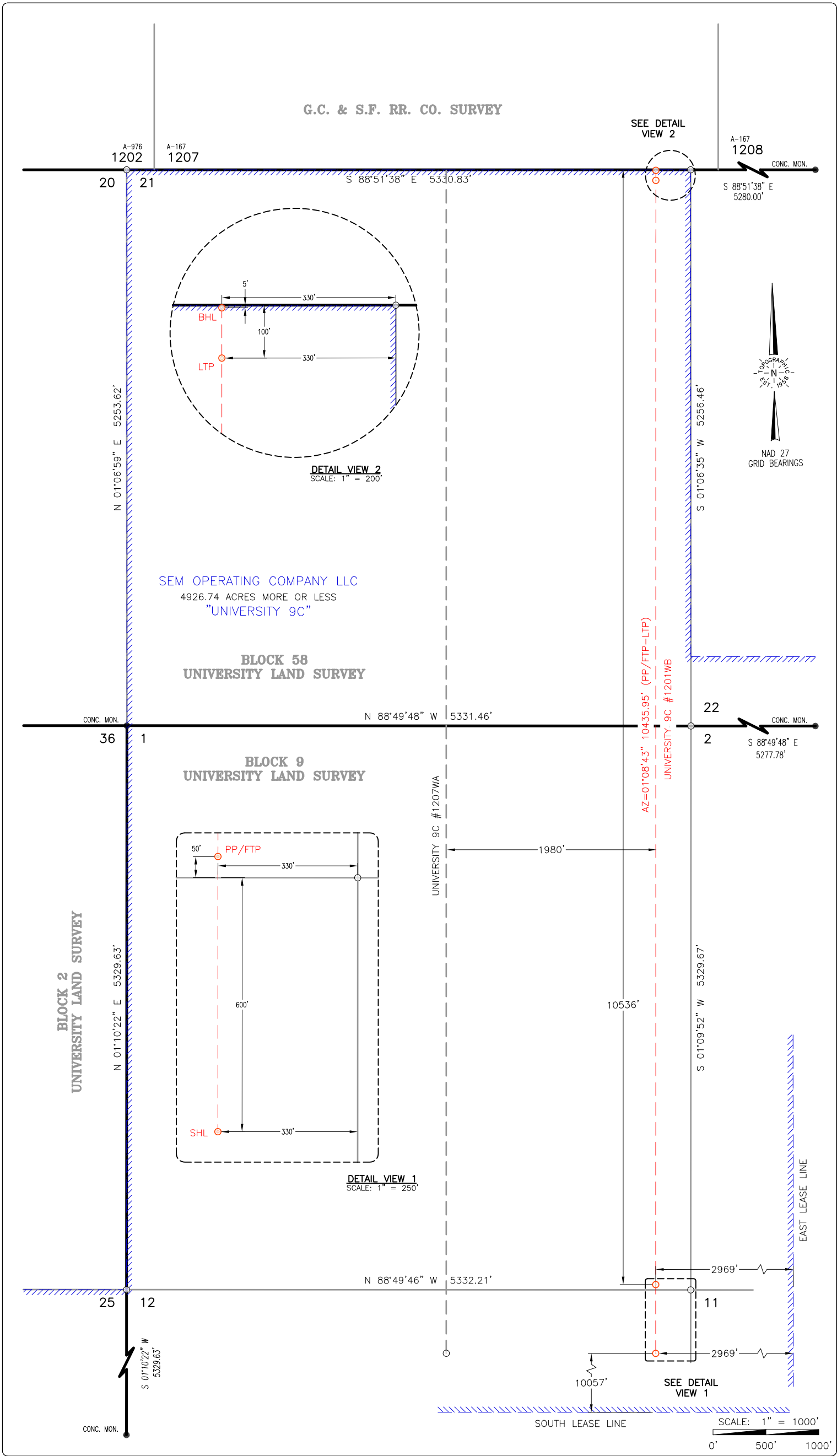
PERMIT NUMBER <div style="text-align: right;">823573</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: center;">Feb 28, 2017</div>	DISTRICT <div style="text-align: center;">* 7C</div>										
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TYPE OF OPERATION <div style="text-align: center;">NEW DRILL</div>	WELLBORE PROFILE(S) <div style="text-align: center;">Horizontal</div>	ACRES <div style="text-align: center;">4926.74</div>										
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LEASE NAME <div style="text-align: center;">UNIVERSITY 9C</div>		WELL NUMBER <div style="text-align: center;">1201WB</div>										
LOCATION <div style="text-align: center;">13.2 miles NW direction from BIG LAKE</div>		TOTAL DEPTH <div style="text-align: center;">10000</div>										
Section, Block and/or Survey SECTION 12 BLOCK 9 ABSTRACT SURVEY UL												
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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>



Surface Hole Location:

GROUND ELEVATION:
SHL Ground Elevation: 2629'

COORDINATES:
NAD 27 TX-C ZONE:
X = 1587797.55 Y = 591698.11
LAT.: N 31°17'12.80" LONG.: W 101°39'10.74"
LAT.: N 31.2868901 LONG.: W 101.6529820
NAD 83 TX-C ZONE:
X = 1884265.56 Y = 10434274.80
LAT.: N 31°17'13.34" LONG.: W 101°39'12.17"
LAT.: N 31.2870401 LONG.: W 101.6533809

SURVEY LINE PERPENDICULARS:
600' FNL & 330' FEL (SEC. 12)

UNIT LINE PERPENDICULARS:
10057' FSL & 2969' FEL

**Penetration Point/
First Take Point:**

COORDINATES:
NAD 27 TX-C ZONE:
X = 1587810.54 Y = 592348.14
LAT.: N 31°17'19.24" LONG.: W 101°39'10.67"
LAT.: N 31.2886777 LONG.: W 101.6529651
NAD 83 TX-C ZONE:
X = 1884278.56 Y = 10434924.83
LAT.: N 31°17'19.78" LONG.: W 101°39'12.11"
LAT.: N 31.2888275 LONG.: W 101.6533640

SURVEY LINE PERPENDICULARS:
50' FSL & 330' FEL (SEC. 1)

UNIT LINE PERPENDICULARS:
10536' FNL & 2969' FEL

Last Take Point:

COORDINATES:
NAD 27 TX-C ZONE:
X = 1588019.11 Y = 602782.01
LAT.: N 31°19'02.53" LONG.: W 101°39'09.70"
LAT.: N 31.3173697 LONG.: W 101.6526936
NAD 83 TX-C ZONE:
X = 1884487.16 Y = 10445358.70
LAT.: N 31°19'03.07" LONG.: W 101°39'11.13"
LAT.: N 31.3175186 LONG.: W 101.6530925

SURVEY LINE PERPENDICULARS:
100' FNL & 330' FEL (SEC. 21)

UNIT LINE PERPENDICULARS:
100' FNL & 330' FEL

Bottom Hole Location:

COORDINATES:
NAD 27 TX-C ZONE:
X = 1588021.01 Y = 602876.99
LAT.: N 31°19'03.47" LONG.: W 101°39'09.69"
LAT.: N 31.3176309 LONG.: W 101.6526911
NAD 83 TX-C ZONE:
X = 1884489.06 Y = 10445453.68
LAT.: N 31°19'04.01" LONG.: W 101°39'11.12"
LAT.: N 31.3177798 LONG.: W 101.6530901

SURVEY LINE PERPENDICULARS:
5' FNL & 330' FEL (SEC. 21)

UNIT LINE PERPENDICULARS:
5' FNL & 330' 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

- 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_1201WB_REV2

**STATE OF TEXAS
REGISTERED
WILLIAM J. KEATING
5041
PROFESSIONAL
LAND SURVEYOR**

**SEM OPERATING
COMPANY LLC**

LEASE NAME & WELL NO.:
UNIVERSITY 9C #1201WB
TOPOGRAPHY & VEGETATION:
NATURAL MESQUITE PASTURE
NEAREST TOWN IN COUNTY:
±13.2 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: 09-19-16	ORIGINAL DOC. SIZE: 11"x17"
COGO: 519-89429		Drawn By: MP; 09-23-2016