

API No. <u>42-235-35002</u> Drilling Permit # <u>819826</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>10375 RICHMOND AVE SUITE 292</b> <b>HOUSTON, TX 77042-0000</b>		
4. Lease Name <b>UNIVERSITY 43</b>		5. Well No. <b>0906H</b>					
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> New Drill</span> <span><input checked="" type="checkbox"/> Recompletion</span> <span><input type="checkbox"/> Reclass</span> <span><input type="checkbox"/> Field Transfer</span> <span><input type="checkbox"/> Re-Enter</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Amended</span> <span><input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)</span> </div>							
7. Wellbore Profile (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span><input type="checkbox"/> Vertical</span> <span><input checked="" type="checkbox"/> Horizontal (Also File Form W-1H)</span> <span><input type="checkbox"/> Directional (Also File Form W-1D)</span> <span><input type="checkbox"/> Sidetrack</span> </div>							
8. Total Depth <b>6750</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			
SURFACE LOCATION AND ACREAGE INFORMATION							
11. RRC District No. <b>7C</b>		12. County <b>IRION</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>3.8</u> miles in a <u>W</u> direction from <u>Barnhart</u> which is the nearest town in the county of the well site.							
15. Section <b>9</b>		16. Block <b>43</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>4164.8</b>	
21. Lease Perpendiculars: <u>7850</u> ft from the <u>NORTH</u> line and <u>2914</u> ft from the <u>EAST</u> line.							
22. Survey Perpendiculars: <u>2550</u> ft from the <u>NORTH</u> line and <u>2594</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 <b>List all fields of anticipated completion including Wildcat. List one zone per line.</b>							
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	
7C	53613750	LIN (WOLFCAMP)		Oil or Gas Well	6750	40.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
<b>Remarks</b> [RRC STAFF Nov 2, 2016 10:03 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Nov 2, 2016 1:12 PM]: Amber Moore sent revised plat.; [RRC STAFF Nov 2, 2016 1:12 PM]: Problems identified with this permit are resolved.				<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> <u>Amber Moore</u>            Name of filer         </div> <div> <u>Oct 27, 2016</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@sequitirenergy.com</u>            E-mail Address (OPTIONAL)         </div> </div>			
RRC Use Only      Data Validation Time Stamp:    Nov 2, 2016 4:06 PM( Current Version )							

Permit Status: <b>Approved</b>  <i>The RRC has not approved this application.          Duplication or distribution of information is          at the user's own risk.</i>
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**RAILROAD COMMISSION OF TEXAS  
OIL & GAS DIVISION**

**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 #	819826
Approved Date:	Nov 02, 2016

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 43</b>	4. Well No. <b>0906H</b>
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**Lateral Drainhole Location Information**

5. Field as shown on Form W-1	<b>LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)</b>
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6. Section <b>12</b>	7. Block <b>43</b>	8. Survey <b>UL</b>	9. Abstract	10. County of BHL <b>IRION</b>
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	11. Terminus Lease Line Perpendiculars <b>5</b> ft. from the <b>South</b> line. and <b>2912</b> ft. from the <b>West</b> line			
	12. Terminus Survey Line Perpendiculars <b>5</b> ft. from the <b>South</b> line. and <b>2594</b> ft. from the <b>East</b> line			
	13. Penetration Point Lease Line Perpendiculars <b>7511</b> ft. from the <b>South</b> line. and <b>2913</b> ft. from the <b>West</b> 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 <b>819826</b>	DATE PERMIT ISSUED OR AMENDED <b>Nov 02, 2016</b>	DISTRICT <b>* 7C</b>	
API NUMBER <b>42-235-35002</b>	FORM W-1 RECEIVED <b>Oct 27, 2016</b>	COUNTY <b>IRION</b>	
TYPE OF OPERATION <b>RECOMPLETION</b>	WELLBORE PROFILE(S) <b>Horizontal</b>	ACRES <b>4164.8</b>	
OPERATOR  <b>SEM OPERATING COMPANY LLC</b> <b>10375 RICHMOND AVE SUITE 292</b> <b>HOUSTON, TX 77042-0000</b>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> <b>(325) 657-7450</b>	
LEASE NAME  <b>UNIVERSITY 43</b>		WELL NUMBER  <b>0906H</b>	
LOCATION  <b>3.8 miles W direction from BARNHART</b>		TOTAL DEPTH  <b>6750</b>	
Section, Block and/or Survey SECTION <b>◀ 9</b> BLOCK <b>◀ 43</b> ABSTRACT <b>◀</b> SURVEY <b>◀ UL</b>			
DISTANCE TO SURVEY LINES <b>2550 ft. NORTH    2594 ft. EAST</b>		DISTANCE TO NEAREST LEASE LINE <b>100 ft.</b>	
DISTANCE TO LEASE LINES <b>7850 ft. NORTH    2914 ft. EAST</b>		DISTANCE TO NEAREST WELL ON LEASE <b>See FIELD(s) Below</b>	
FIELD(s) and LIMITATIONS: <p align="center"><b>* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</b></p>			
FIELD NAME LEASE NAME		ACRES NEAREST LEASE	DEPTH NEAREST LEASE
----- <b>LIN (WOLFCAMP)</b> <b>UNIVERSITY 43</b> -----		<b>4164.80</b> <b>100</b>	<b>6,750</b> <b>40</b>
----- WELLBORE PROFILE(s) FOR FIELD: <b>Horizontal</b> -----			
RESTRICTIONS:    Lateral: TH1 Penetration Point Location Lease Lines:            7511.0 F SOUTH L 2913.0 F WEST L Terminus Location BH County: IRION Section: 12                      Block: 43                      Abstract: Survey: UL Lease Lines:                      5.0 F SOUTH L 2912.0 F WEST L Survey Lines:                    5.0 F SOUTH L 2594.0 F EAST L			
<p align="center"><b>THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS</b></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;">819826</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: right;">Nov 02, 2016</div>	DISTRICT <div style="text-align: right;">* 7C</div>										
API NUMBER <div style="text-align: right;">42-235-35002</div>	FORM W-1 RECEIVED <div style="text-align: right;">Oct 27, 2016</div>	COUNTY <div style="text-align: right;">IRION</div>										
TYPE OF OPERATION <div style="text-align: right;">RECOMPLETION</div>	WELLBORE PROFILE(S) <div style="text-align: right;">Horizontal</div>	ACRES <div style="text-align: right;">4164.8</div>										
OPERATOR <div style="text-align: right;">766370</div> <div style="text-align: center;">SEM OPERATING COMPANY LLC</div> <div style="text-align: center;">10375 RICHMOND AVE SUITE 292</div> <div style="text-align: center;">HOUSTON, TX 77042-0000</div>		NOTICE This permit and any allowable assigned may be revoked if payment for fee(s) submitted to the Commission is not honored. <b>District Office Telephone No:</b> <div style="text-align: right;">(325) 657-7450</div>										
LEASE NAME <div style="text-align: right;">UNIVERSITY 43</div>		WELL NUMBER <div style="text-align: right;">0906H</div>										
LOCATION <div style="text-align: right;">3.8 miles W direction from BARNHART</div>		TOTAL DEPTH <div style="text-align: right;">6750</div>										
Section, Block and/or Survey SECTION ⚡ 9                      BLOCK ⚡ 43                      ABSTRACT ⚡ SURVEY ⚡ UL												
DISTANCE TO SURVEY LINES <div style="text-align: right;">2550 ft. NORTH    2594 ft. EAST</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: right;">100 ft.</div>										
DISTANCE TO LEASE LINES <div style="text-align: right;">7850 ft. NORTH    2914 ft. EAST</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: right;">See FIELD(s) Below</div>										
FIELD(s) and LIMITATIONS: <div style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</div>												
<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">FIELD NAME</td> <td style="width: 15%;">ACRES</td> <td style="width: 15%;">DEPTH</td> <td style="width: 10%;">WELL #</td> <td style="width: 10%;">DIST</td> </tr> <tr> <td>LEASE NAME</td> <td>NEAREST LEASE</td> <td></td> <td>NEAREST WE</td> <td></td> </tr> </table>			FIELD NAME	ACRES	DEPTH	WELL #	DIST	LEASE NAME	NEAREST LEASE		NEAREST WE	
FIELD NAME	ACRES	DEPTH	WELL #	DIST								
LEASE NAME	NEAREST LEASE		NEAREST WE									
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**

**IRION (235) County**

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
GRAYBURG	950	1,500		1	12/17/2013
SAN ANDRES	1,100	2,000		2	12/17/2013
CLEARFORK	2,700	4,400		3	12/17/2013
SPRABERRY	3,200	4,700		4	12/17/2013
WOLFCAMP	4,200	6,400		5	12/17/2013
CANYON	5,700	7,700		6	12/17/2013
FUSSELMAN	8,500	9,000		7	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

GROUNDWATER PROTECTION DETERMINATION

Date June 27, 2012

GAU File No.: SC- 6378

\*\*\*\*\* EXPEDITED APPLICATION \*\*\*\*\*

API Number 23534999

Attention: RENEE JARRATT

RRC Lease No. 000000

SC\_253162\_23534999\_000000\_6378.pdf

EOG RESOURCES INC  
P O BOX 2267  
MIDLAND TX 79702

--Measured--

2694 ft FEL

2550 ft FNL

MRL: SECTION

Digital Map Location:

X-coord/Long 1716422

Y-coord/Lat 531592

Datum 27 Zone C

P-5# 253162

County IRION

Lease & Well No. UNIVERSITY 43 #0904H&ALL

Purpose RD

Location SUR-UL,BLK-43,SEC-9,-- [TD=6750] , [RRC 7C] , [PSC#6284]

To protect usable-quality groundwater at this location, the Groundwater Advisory Unit of the Texas Railroad Commission recommends:

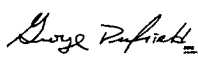
The interval from the land surface to the base of the SANTA ROSA, which is estimated to occur at a depth of 750 feet, must be protected.

This recommendation is applicable to all wells within a radius of 200 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 intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).

If you have any questions, please contact us at 512-463-2741, [gaau@rrc.state.tx.us](mailto:gaau@rrc.state.tx.us), or by mail.

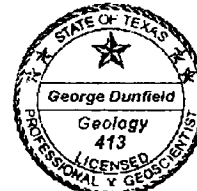
Sincerely,

  
Digitally signed by George Dunfield  
DN: cn=US, st=TEXAS, o=Austin, ou=Railroad  
Commission of Texas, cn=George  
Dunfield,  
email=george.dunfield@rrc.state.tx.us  
Date: 2012.06.27 15:09:26 -0500

George Dunfield, P.G.

Geologist, Groundwater Advisory Unit  
Oil & Gas Division

GEOLOGIST SEAL



The seal appearing on this document was authorized by George Dunfield on 6/27/2012  
Note: Alteration of this electronic document will invalidate the digital signature.

