

API No. <u>42-235-35002</u> Drilling Permit # <u>819826</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
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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): 10375 RICHMOND AVE SUITE 292 HOUSTON, TX 77042-0000
4. Lease Name UNIVERSITY 43		5. Well No. 0906H

GENERAL INFORMATION					
6. Purpose of filing (mark ALL appropriate boxes):					
<input type="checkbox"/> New Drill		<input checked="" type="checkbox"/> Recompletion		<input type="checkbox"/> Reclass	
<input type="checkbox"/> Amended		<input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D)		<input type="checkbox"/> Field Transfer	
<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 6750	9. Do you have the right to develop the minerals under any right-of-way ?		10. Is this well subject to Statewide Rule 36 (hydrogen sulfide area)?		
	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

SURFACE LOCATION AND ACREAGE INFORMATION					
11. RRC District No. 7C	12. County IRION		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 9	16. Block 43	17. Survey UL		18. Abstract No. A-	19. Distance to nearest lease line: 100 ft.
20. Number of contiguous acres in lease, pooled unit, or unitized tract: 4164.8					
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 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
7C	53613750	LIN (WOLFCAMP)	Oil or Gas Well	6750	40.00	17

BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)	
Remarks [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.	Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. <div style="text-align: right;"> <u>Amber Moore</u> <u>Oct 27, 2016</u> Name of filer Date submitted </div> <div style="text-align: right; margin-top: 10px;"> <u>(432)2182001</u> <u>amoore@sequitirenergy.com</u> Phone E-mail Address (OPTIONAL) </div>
RRC Use Only Data Validation Time Stamp: Nov 2, 2016 4:06 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 # **819826**
Approved Date: **Nov 02, 2016**

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 43	4. Well No. 0906H
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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 12	7. Block 43	8. Survey UL	9. Abstract	10. County of BHL IRION
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11. Terminus Lease Line Perpendiculars 5 ft. from the South line. and 2912 ft. from the West line
12. Terminus Survey Line Perpendiculars 5 ft. from the South line. and 2594 ft. from the East line
13. Penetration Point Lease Line Perpendiculars 7511 ft. from the South line. and 2913 ft. from the West line

**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, gau@rrc.state.tx.us, or by mail.

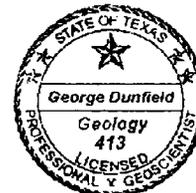
Sincerely,


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

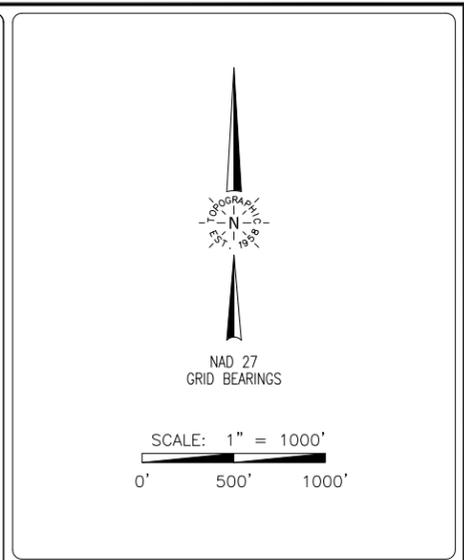
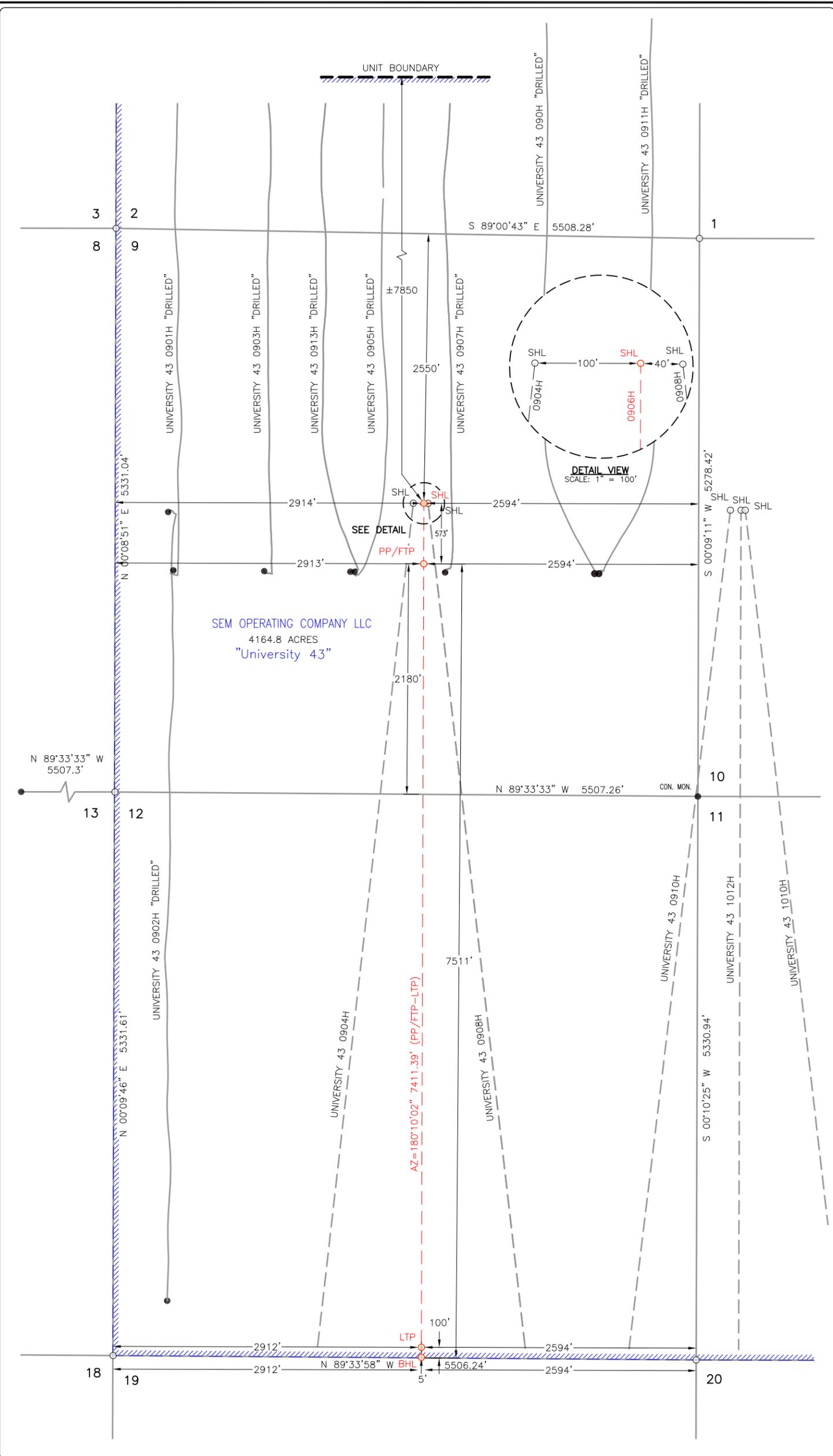
George Dunfield, P.G.

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.



SPECIAL NOTES:

Original Document Size: 11"x17"
 All Coordinates are in NAD 27
 TX-C Zone unless otherwise noted.

Surface Hole Location:
 2550' FNL & 2594' FEL (SEC. 9)
 SHL Ground Elevation: 2633'
 X = 1716522 Y = 531592
 LAT.: N 31.1251767 LONG.: W 101.2393314
 NAD 83 TX-C ZONE
 X = 2012989 Y = 10374170
 LAT.: N 31.1253361 LONG.: W 101.2397229

Penetration Point/First Take Point:
 2180' FSL & 2594' FEL (SEC. 9)
 X = 1716520 Y = 531019
 LAT.: N 31.1236012 LONG.: W 101.2393218

Last Take Point Location:
 100' FSL & 2594' FEL (SEC. 12)
 X = 1716499 Y = 523607
 LAT.: N 31.1032235 LONG.: W 101.2391981

Bottom Hole Location:
 5' FSL & 2594' FEL (SEC. 12)
 X = 1716498 Y = 523512
 LAT.: N 31.1029623 LONG.: W 101.2391965

LEGEND

	Section Line
	Block Line
	Abstract Line
	Tract Line
	Lease Road
	County Road
	Unit/Lease Boundary
	Found Monument
	Set 1/2" Rebar w/cap
	Calculated Corner

Scale: 1"=1000'	Surveyed: 5/29/12
COGO: 518-124590	
Revision: MP	11-02-16
Drawn By: JBT; 10/25/2016	
ORIGINAL DOC. SIZE: 11"x17"	

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

FILE NAME: LO_UNIVERSITY43_0906H_REV2

SEM OPERATING COMPANY LLC

LEASE NAME & WELL NO.:
UNIVERSITY 43 #0906H

TOPOGRAPHY & VEGETATION:
 NATURAL MESQUITE PASTURE

NEAREST TOWN IN COUNTY:
 ±3.8 MILES WEST OF BARNHART, TEXAS

LOCATION DESCRIPTION:
 SHL/PP/FTP: SECTION 9, BLOCK 43, UNIVERSITY LAND SURVEY
 LTP/BHL: SECTION 12, BLOCK 43, UNIVERSITY LAND SURVEY
 IRION COUNTY, TEXAS