

API No. <u>42-003-45835</u> Drilling Permit # <u>775461</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. <u>748011</u>		2. Operator's Name (as shown on form P-5, Organization Report) <u>SANDRIDGE EXPL. AND PROD., LLC</u>		3. Operator Address (include street, city, state, zip): _____ _____ _____		
4. Lease Name <u>UNIVERSITY 48A</u>		5. Well No. <u>9</u>				
GENERAL INFORMATION						
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> New Drill <input type="checkbox"/> Recompletion <input type="checkbox"/> Reclass <input type="checkbox"/> Field Transfer <input type="checkbox"/> Re-Enter </div> <div style="display: flex; justify-content: space-between;"> <input type="checkbox"/> Amended <input type="checkbox"/> Amended as Drilled (BHL) (Also File Form W-1D) </div>						
7. Wellbore Profile (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between;"> <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Horizontal (Also File Form W-1H) <input type="checkbox"/> Directional (Also File Form W-1D) <input type="checkbox"/> Sidetrack </div>						
8. Total Depth <u>5200</u>		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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
SURFACE LOCATION AND ACREAGE INFORMATION						
11. RRC District No. <u>08</u>		12. County <u>ANDREWS</u>		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>9</u> miles in a <u>NW</u> direction from <u>andrews</u> which is the nearest town in the county of the well site.						
15. Section <u>48</u>	16. Block <u>13</u>	17. Survey <u>UL</u>	18. Abstract No. <u>A-U440</u>	19. Distance to nearest lease line: <u>995</u> ft	20. Number of contiguous acres in lease, pooled unit, or unitized tract: <u>160</u>	
21. Lease Perpendiculars: <u>995</u> ft from the <u>W</u> line and <u>1003</u> ft from the <u>S</u> line.						
22. Survey Perpendiculars: <u>1650</u> ft from the <u>N</u> line and <u>1650</u> ft from the <u>E</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
08	82572666	SHAFTER LAKE, N. (SAN ANDRES)	Oil Well	5200	934.00	2
08	33176001	FUHRMAN-MASCHO	Oil Well	5200	934.00	4
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS						
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>Dana Alaniz, Senior Engineering Tech</u> Name of filer </div> <div> <u>Dec 11, 2013</u> Date submitted </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div> <u>(432)4642726</u> Phone </div> <div> <u>dalaniz1@sandridgeenergy.com</u> E-mail Address (OPTIONAL) </div> </div>			
RRC Use Only Data Validation Time Stamp: Jan 8, 2014 10:18 AM(Current Version)						

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 775461	DATE PERMIT ISSUED OR AMENDED Jan 07, 2014	DISTRICT * 08
API NUMBER 42-003-45835	FORM W-1 RECEIVED Dec 11, 2013	COUNTY ANDREWS
TYPE OF OPERATION NEW DRILL	WELLBORE PROFILE(S) Vertical	ACRES 160
OPERATOR SANDRIDGE EXPL. AND PROD., LLC 748011		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: (432) 684-5581
LEASE NAME UNIVERSITY 48A		WELL NUMBER 9
LOCATION 9 miles NW direction from ANDREWS		TOTAL DEPTH 5200
Section, Block and/or Survey SECTION 48 BLOCK 13 ABSTRACT U440 SURVEY UL		
DISTANCE TO SURVEY LINES 1650 ft. N 1650 ft. E		DISTANCE TO NEAREST LEASE LINE 995 ft.
DISTANCE TO LEASE LINES 995 ft. W 1003 ft. S		DISTANCE TO NEAREST WELL ON LEASE See FIELD(s) Below
FIELD(s) and LIMITATIONS: <p align="center">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</p>		
FIELD NAME LEASE NAME	ACRES NEAREST LEASE	DEPTH NEAREST WE
SHAFER LAKE, N. (SAN ANDRES)	160.00	5,200
UNIVERSITY 48A	995	934
RESTRICTIONS: This is a hydrogen sulfide field. Hydrogen Sulfide Fields with perforations must be isolated and tested per State Wide Rule 36 and a Form H-9 filed with the district office. Fields with SWR 10 authority to downhole commingle must be isolated and tested individually prior to commingling production.		
FUHRMAN-MASCHO	160.00	5,200
UNIVERSITY 48A	995	934
RESTRICTIONS: This is a hydrogen sulfide field. Hydrogen Sulfide Fields with perforations must be isolated and tested per State Wide Rule 36 and a Form H-9 filed with the district office. Fields with SWR 10 authority to downhole commingle must be isolated and tested individually prior to commingling production.		
THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS		

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OIL & GAS DIVISION

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

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API NUMBER <div align="center">42-003-45835</div>	FORM W-1 RECEIVED <div align="center">Dec 11, 2013</div>	COUNTY <div align="center">ANDREWS</div>										
TYPE OF OPERATION <div align="center">NEW DRILL</div>	WELLBORE PROFILE(S) <div align="center">Vertical</div>	ACRES <div align="center">160</div>										
OPERATOR <div align="center">SANDRIDGE EXPL. AND PROD., LLC</div>		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: <div align="center">(432) 684-5581</div>										
LEASE NAME <div align="center">UNIVERSITY 48A</div>		WELL NUMBER <div align="center">9</div>										
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<table style="width:100%; border: none;"> <tr> <td style="width:60%;">FIELD NAME</td> <td style="width:10%;">ACRES</td> <td style="width:10%;">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									
<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> <p>Currently there are no identified formations listed for this county. It is still the operators responsibility to isolate and report any potential flow zones that are encountered in the completion of this well.</p>												

Groundwater
Advisory Unit

GROUNDWATER PROTECTION DETERMINATION

Date **December 23, 2013**

GAU File No.: SC- **16236**

***** EXPEDITED APPLICATION *****

API Number **00300000**

Attention: **DANA ALANIZ**

RRC Lease No. **000000**

SC_748011_00300000_000000_16236.pdf

SANDRIDGE E&P LLC
123 ROBERT S KERR
OKLAHOMA CITY OK 73102

--Measured--

1650 ft FEL

1650 ft FNL

MRL: SECTION

P-5# 748011

Digital Map Location:

X-coord/Long **671776**

Y-coord/Lat **6830937**

Datum **83** Zone **NC**

County **ANDREWS**

Lease & Well No. **UNIVERSITY 48A #9**

Purpose **ND**

Location **SUR-UL, BLK-13, SEC-48, --[TD=5200], [RRC 8],**

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 a depth of 300 feet and the ZONE from 1200 feet to 1600 feet must be protected.

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, gaug@rrc.state.tx.us, or by mail.

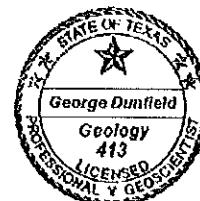
Sincerely,

George Dunfield

Digitally signed by George Dunfield
DN: cn=US, st=TEXAS, fo=Austin, o=Railroad
Commission of Texas, ou=Groundwater
Advisory Unit, email=george.dunfield@rrc.state.tx.us
Date: 2013.12.23 17:08:12 -0500

George Dunfield, P.G.

GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by George Dunfield on 12/23/2013
Note: Alteration of this electronic document will invalidate the digital signature.

0051R Transition Form
Rev. 9/1/2011

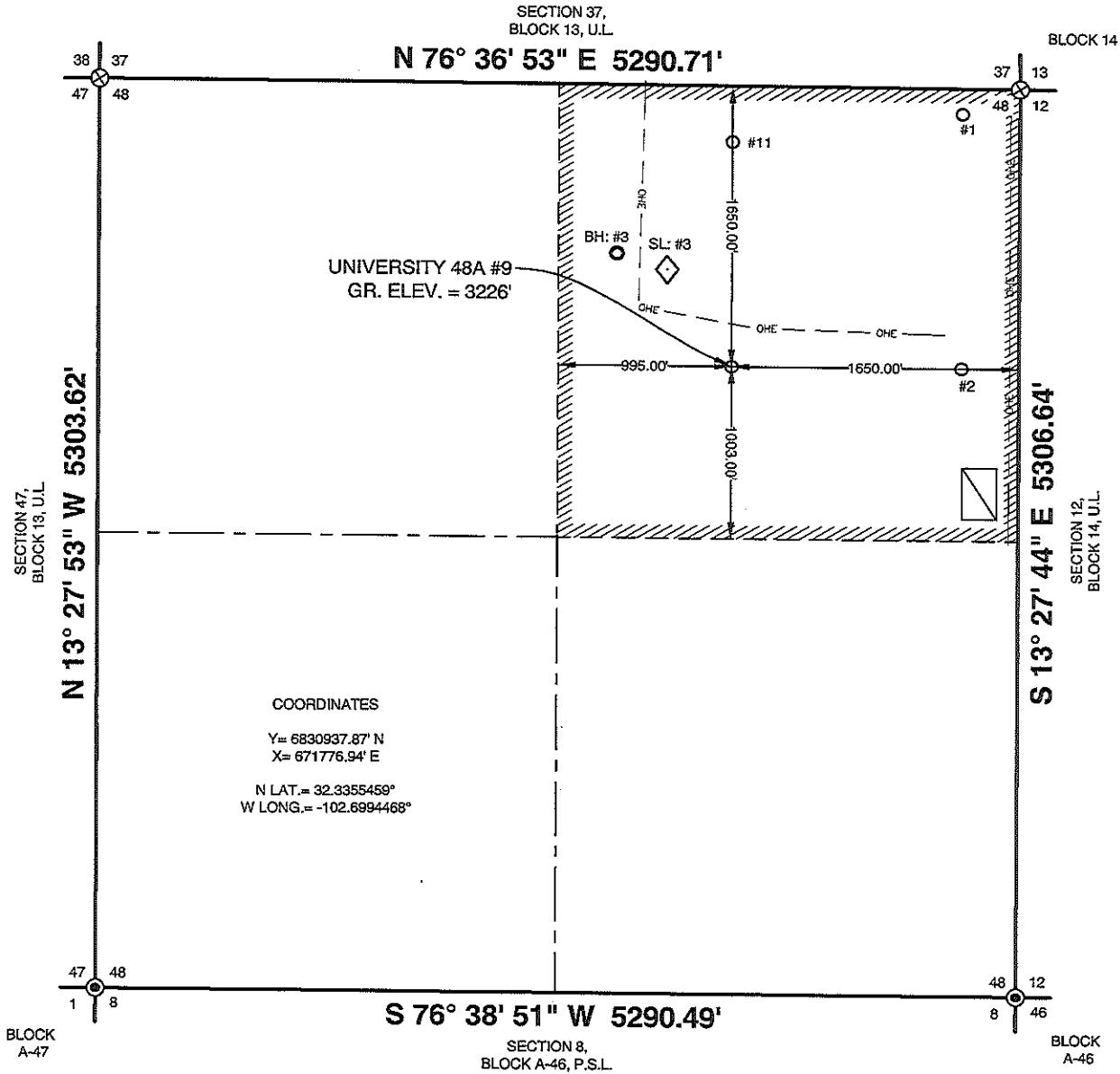
P.O. Box 12967

Austin, Texas 78711-2967

512-463-2741

Internet address: www.rrc.state.tx.us

SECTION 48, BLOCK 13, U.L.
ANDREWS COUNTY, TEXAS



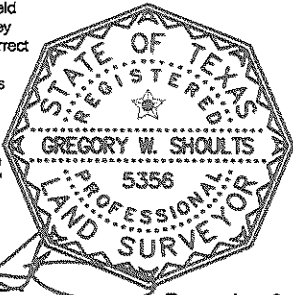
ADJACENT WELLS/ FEATURES

NAME:	DISTANCE:
UNIVERSITY 48A #1	1997.00'
UNIVERSITY 48A #2	1320.00'
BH: UNIVERSITY 48A #3	934.00'
SL: UNIVERSITY 48A #3	677.00'
UNIVERSITY 48A #11	1320.00'

NAME:	DISTANCE:
NEAREST POWERLINE	247.00'
TANK BATTERY	1444.00'

- NOTES:
- THIS LOCATION IS APPROXIMATELY 9.0 MILES NORTH/NORTHWEST OF ANDREWS, TEXAS.
 - SEE DOCUMENTS FILED FOR RECORD IN THIS OFFICE, WHICH DESCRIBE THE RECONSTRUCTION OF THIS SECTION.
 - BEARINGS, DISTANCES AND COORDINATES ARE RELATIVE TO THE LAMBERT CONICAL PROJECTION OF TEXAS STATE PLANE COORDINATE SYSTEM, NORTH CENTRAL ZONE, 1983 NORTH AMERICAN DATUM.
 - LEASE = NE/4 OF SECTION 48, BLOCK 13, U.L.. TOTAL ACRES: 160.00 CALLED.
 - NAMES TAKEN FROM FIELD SIGNAGE.

I, the undersigned, do hereby certify that the survey information found on this permit plat was derived from field notes or electronic data of an actual on-the-ground survey made by me or under my supervision and is true and correct to the best of my knowledge and belief. No warranty is made or intended for the location of any or all easements that may exist within the bounds of this survey. The information presented hereon is for Texas Railroad Commission permitting only, and does not constitute or represent a complete boundary survey as defined by the T.B.P.L.S., "Professional Land Surveying Practices Act."



Gregory W. Shoultz, RPLS, No. 5356

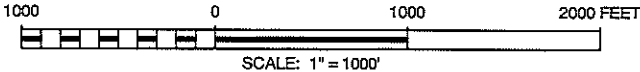
December 9, 2013



WEST TEXAS CONSULTANTS, INC.
ENGINEERS PLANNERS SURVEYORS
405 S.W. 1st STREET
ANDREWS, TEXAS 79714
(432) 523-2181
TEXAS REGISTERED ENGINEERING FIRM F-2746
TEXAS REGISTERED SURVEYOR FIRM #100792-00

LEGEND

- DENOTES PROPOSED/ PERMITTED WELL LOCATION
- DENOTES EXISTING WELL
- ⊙ DENOTES FOUND SECTION CORNER
- ⊗ DENOTES CALCULATED CORNER
- ▨ DENOTES LEASE AREA
- DENOTES 1/2 SECTION LINE
- ▢ DENOTES TANK BATTERY
- ◇ DENOTES DIRECTIONAL WELL SURFACE LOCATION



SandRidge

SandRidge Exploration And Production, LLC

UNIVERSITY 48A #9
LOCATED 1,650 FEET FROM THE NORTH LINE AND 1,650 FEET
FROM THE EAST LINE OF SECTION 48, BLOCK 13, U.L.,
ANDREWS COUNTY, TEXAS.