

API No. <u>42-383-38027</u> Drilling Permit # <u>748217</u> SWR Exception Case/Docket No. _____		RAILROAD COMMISSION OF TEXAS OIL & GAS DIVISION APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER <small>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.</small>				FORM W-1 07/2004 Permit Status: Approved	
1. RRC Operator No. 252014		2. Operator's Name (as shown on form P-5, Organization Report) ENDURING RESOURCES, LLC			3. Operator Address (include street, city, state, zip): 511 16TH STREET SUITE 700 DENVER, CO 80202-4248		
4. Lease Name UNIVERSITY 48			5. Well No. 0702UH				
GENERAL INFORMATION							
6. Purpose of filing (mark ALL appropriate boxes): <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <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; margin-top: 5px;"> <input checked="" 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; margin-top: 5px;"> <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 </div>							
8. Total Depth 8600		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>10.6</u> miles in a <u>SE</u> direction from <u>BIG LAKE</u> which is the nearest town in the county of the well site.							
15. Section 7		16. Block 48		17. Survey UL		18. Abstract No. A-U319	
				19. Distance to nearest lease line: 100 ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 3670.52	
21. Lease Perpendiculars: <u>7855.5</u> ft from the <u>SOUTH</u> line and <u>4770.5</u> ft from the <u>WEST</u> line. 22. Survey Perpendiculars: <u>2437</u> ft from the <u>SOUTH</u> line and <u>783</u> ft from the <u>EAST</u> line.							
23. Is this a pooled unit? <input checked="" type="checkbox"/> Yes <input 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	8100	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
<u>Remarks</u> [FILER Jul 28, 2014 10:20 AM]: Pooled Unit Area enlarged. Moved SHL, PP, FTP, LTP, and BHL. Surface Hole Location is no longer off-lease.; [RRC STAFF Aug 22, 2014 10:16 AM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Aug 22, 2014 2:11 PM]: Problems identified with this permit are resolved. Received.					<u>Certificate:</u> 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>Alvin Arlian, Regulatory Specialist</u> Name of filer <u>(303)3505114</u> Phone </div> <div> <u>Jul 28, 2014</u> Date submitted <u>aarlian@enduringresources.com</u> E-mail Address (OPTIONAL) </div> </div>		
RRC Use Only Data Validation Time Stamp: Mar 30, 2015 9:29 AM(Current Version)							

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

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

Form W-1H
Supplemental Horizontal Well Information

07/2004

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 #	748217
Approved Date:	Aug 22, 2014

1. RRC Operator No. 252014	2. Operator's Name (exactly as shown on form P-5, Organization Report) ENDURING RESOURCES, LLC	3. Lease Name UNIVERSITY 48	4. Well No. 0702UH
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Lateral Drainhole Location Information

5. Field as shown on Form W-1	LIN (WOLFCAMP) (Field # 53613750, RRC District 7C)
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6. Section 4	7. Block 48	8. Survey UNIVERSITY LANDS	9. Abstract	10. County of BHL REAGAN
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11. Terminus Lease Line Perpendiculars 100 ft. from the NORTH line. and 1320 ft. from the EAST line
12. Terminus Survey Line Perpendiculars 100 ft. from the NORTH line. and 1320 ft. from the EAST line
13. Penetration Point Lease Line Perpendiculars 8112.1 ft. from the NORTH line. and 4233.3 ft. from the WEST 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 <div style="text-align: right;">748217</div>	DATE PERMIT ISSUED OR AMENDED (AMENDED) Aug 22, 2014	DISTRICT <div style="text-align: center;">* 7C</div>	
API NUMBER <div style="text-align: right;">42-383-38027</div>	FORM W-1 RECEIVED <div style="text-align: center;">Jul 28, 2014</div>	COUNTY <div style="text-align: center;">REAGAN</div>	
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;">3670.52</div>	
OPERATOR <div style="text-align: right;">252014</div> <div style="text-align: center;"> ENDURING RESOURCES, LLC 511 16TH STREET SUITE 700 DENVER, CO 80202-4248 </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 style="text-align: center;">(325) 657-7450</div>	
LEASE NAME <div style="text-align: center;">UNIVERSITY 48</div>		WELL NUMBER <div style="text-align: center;">0702UH</div>	
LOCATION <div style="text-align: center;">10.6 miles SE direction from BIG LAKE</div>		TOTAL DEPTH <div style="text-align: center;">8600</div>	
Section, Block and/or Survey <div style="display: flex; justify-content: space-between;"> <div>SECTION ◀ 7</div> <div>BLOCK ◀ 48</div> <div>ABSTRACT ◀ U319</div> </div> <div style="display: flex; justify-content: space-between;"> <div>SURVEY ◀ UL</div> </div>			
DISTANCE TO SURVEY LINES <div style="text-align: center;">2437 ft. SOUTH 783 ft. EAST</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">100 ft.</div>	
DISTANCE TO LEASE LINES <div style="text-align: center;">7855.5 ft. SOUTH 4770.5 ft. WEST</div>		DISTANCE TO NEAREST WELL ON LEASE <div style="text-align: center;">See FIELD(s) Below</div>	
FIELD(s) and LIMITATIONS: <div style="text-align: center;">* SEE FIELD DISTRICT FOR REPORTING PURPOSES *</div>			
FIELD NAME LEASE NAME		ACRES NEAREST LEASE	DEPTH NEAREST WE
----- LIN (WOLFCAMP) <div style="text-align: center;">UNIVERSITY 48</div> -----		<div style="text-align: center;">3670.52</div> <div style="text-align: center;">100</div>	<div style="text-align: center;">8,100</div> <div style="text-align: center;">3243.4</div>
----- WELLBORE PROFILE(s) FOR FIELD: Horizontal -----			
RESTRICTIONS: Lateral: TH1 Penetration Point Location Lease Lines: 8112.1 F NORTH L 4233.3 F WEST L Terminus Location BH County: REAGAN Section: 4 Block: 48 Abstract: Survey: UNIVERSITY LANDS Lease Lines: 100.0 F NORTH L 1320.0 F EAST L Survey Lines: 100.0 F NORTH L 1320.0 F EAST L			
THE FOLLOWING RESTRICTIONS APPLY TO ALL FIELDS			
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.			

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

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

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FIELD(s) and LIMITATIONS: <div style="text-align: center; padding-top: 10px;">* 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> <p style="margin-top: 20px;">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.</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>			FIELD NAME	ACRES	DEPTH	WELL #	DIST	LEASE NAME	NEAREST LEASE		NEAREST WE	
FIELD NAME	ACRES	DEPTH	WELL #	DIST								
LEASE NAME	NEAREST LEASE		NEAREST WE									

**Groundwater
Advisory Unit**

GROUNDWATER PROTECTION DETERMINATION

Date **September 20, 2012**

GAU File No.: SC- **11079**

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

API Number **38338027**

Attention: **AL ARLIAN**

RRC Lease No. **748217**

SC_252014_38338027_748217_11079.pdf

ENDURING RESOURCES LLC
511-16TH ST
STE 700
DENVER CO 80202

P-5# 252014

--Measured--

956 ft FEL

2546 ft FSL

MRL: SECTION

Digital Map Location:

X-coord/Long **1680105**

Y-coord/Lat **531187**

Datum **27**

Zone **C**

County **REAGAN**

Lease & Well No. **UNIVERSITY 48SL #0702UH**

Purpose **ND**

Location **SUR-UL, BLK-48, SEC-7, -- [TD=7582] , [RRC 7C] ,**

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 875 feet, must be protected.

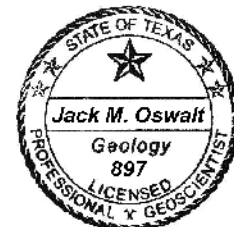
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. **This recommendation is intended for normal drilling, production, and plugging operations only. It does not apply to saltwater disposal operation into a nonproductive zone (RRC Form W-14).**

If you have any questions, please contact us at 512-463-2741, gau@rrc.state.tx.us, or by mail.

Sincerely,

Jack M. Oswalt, P.G.

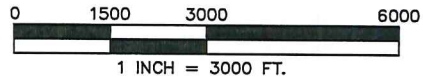
GEOLOGIST SEAL



Geologist, Groundwater Advisory Unit
Oil & Gas Division

The seal appearing on this document was authorized by Jack M. Oswalt on 9/20/2012
Note: Alteration of this electronic document will invalidate the digital signature.

TRACT	LEASE #	CALLED ACREAGE	MEASURED ACREAGE	MEASURED PCT.
1	UNIVERSITY LANDS 113380	531.225 AC.	530.526 AC.	14.454
2	UNIVERSITY LANDS 75494	177.075 AC.	178.872 AC.	4.873
3	UNIVERSITY LANDS 73626	340.150 AC.	340.922 AC.	9.288
4	UNIVERSITY LANDS 113379	302.100 AC.	302.140 AC.	8.232
5	UNIVERSITY LANDS 73629	307.350 AC.	305.609 AC.	8.326
6	UNIVERSITY LANDS 73630	307.350 AC.	308.431 AC.	8.402
7	UNIVERSITY LANDS 73627	347.200 AC.	346.837 AC.	9.449
8	UNIVERSITY LANDS 73628	173.600 AC.	174.218 AC.	4.746
9	UNIVERSITY LANDS 89738	345.800 AC.	349.489 AC.	9.522
10	UNIVERSITY LANDS 71111	173.600 AC.	172.586 AC.	4.702
11	UNIVERSITY LANDS 71112	345.800 AC.	347.325 AC.	9.463
12	UNIVERSITY LANDS 32210	314.50 AC.	313.566 AC.	8.543
TOTAL			3670.521 AC.	100.000



LINE	BEARING	DISTANCE
L1	N 57°50'10" W	626.99'

ENDURING RESOURCES, L.L.C.
UNIVERSITY 48,
#0702UH WELL
BOTTOM HOLE LOCATION/LTP
X=1,679,906.45
Y=539,431.24
LAT=31°08'45.65"
LON=101°21'25.10"

ENDURING RESOURCES, L.L.C.
UNIVERSITY 48,
#0702UH WELL
PENETRATION POINT
X=1,679,746.13
Y=531,421.41
LAT=31°07'26.36"
LON=101°21'26.10"

ENDURING RESOURCES, L.L.C.
UNIVERSITY 48,
#0702UH WELL
SURFACE HOLE LOCATION
X=1,680,276.77
Y=531,087.72
LAT=31°07'23.11"
LON=101°21'19.96"
SURFACE ELEVATION=2756.11'



THIS MAP WAS PREPARED FROM AN ACTUAL ON THE GROUND SURVEY PERFORMED UNDER MY SUPERVISION ON JULY 23, 2014.

LARRY W. SMITH
REGISTERED PROFESSIONAL LAND SURVEYOR
STATE OF TEXAS NO. 4279

BEARINGS AND COORDINATES SHOWN ON THIS MAP ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 27.

LATITUDES AND LONGITUDES SHOWN ON THIS MAP ARE BASED ON WGS 84.

THIS MAP WAS PREPARED FOR AREA COMPUTATIONS OF MINERAL OWNERSHIP AND DOES NOT REPRESENT A CURRENT OWNERSHIP BOUNDARY SURVEY.

RECORDS RESEARCH WAS PROVIDED BY THE CLIENT OR CLIENT'S REPRESENTATIVES. THE SURVEYOR PERFORMED NO ADDITIONAL RESEARCH.

LESSOR NAMES ARE PROVIDED BY THE CLIENTS REPRESENTATIVE AND NOT BY THE SURVEYOR.

UNIVERSITY 48, #0702UH SURFACE HOLE LOCATION BEARS S 43°33' E 10.6 MILES FROM BIG LAKE, TEXAS.

— APPROXIMATE SURVEY ABSTRACT LINE

FINAL
ENDURING RESOURCES, L.L.C.
UNIVERSITY 48,
#0702UH WELL
3670.521 ACRES
REAGAN COUNTY, TEXAS
PERCHERON
SURVEY, LLC
15411 Vantage Pkwy West
Suite 205
Houston, Texas 77032
(281) 447-6230
Texas Surveying Firm License
No. 10020700
JULY 28, 2014
PROJECT 140.0009.024