

API No. <u>42-003-47471</u> Drilling Permit # <u>822151</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. 217012		2. Operator's Name (as shown on form P-5, Organization Report) DIAMONDBACK E&P LLC		3. Operator Address (include street, city, state, zip): 500 W TEXAS AVE STE 1200 MIDLAND, TX 79701-4203			
4. Lease Name UL MASON WEST UNIT		5. Well No. 8LS					
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 10500		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. 08		12. County ANDREWS		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>19.3</u> miles in a <u>NE</u> direction from <u>ANDREWS</u> which is the nearest town in the county of the well site.							
15. Section 10		16. Block 7		17. Survey UL		18. Abstract No. A-U195	
				19. Distance to nearest lease line: <u>100</u> ft.		20. Number of contiguous acres in lease, pooled unit, or unitized tract: 800	
21. Lease Perpendiculars: <u>656</u> ft from the <u>E</u> line and <u>901</u> ft from the <u>N</u> line. 22. Survey Perpendiculars: <u>656</u> ft from the <u>E</u> line and <u>901</u> ft from the <u>N</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	31. Distance to Nearest Well in this Reservoir	
08	85280300	SPRABERRY (TREND AREA)		Oil or Gas Well	9500	0.00	
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.			
				_____ Jan 16, 2017 Name of filer Date submitted			
RRC Use Only				_____ Phone			
Data Validation Time Stamp: Feb 6, 2017 8:19 AM(Current Version)				_____ E-mail Address (OPTIONAL)			

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**

Form W-1H 07/2004
Supplemental Horizontal Well Information

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 #	822151
Approved Date:	Jan 25, 2017

1. RRC Operator No. 217012	2. Operator's Name (exactly as shown on form P-5, Organization Report) DIAMONDBACK E&P LLC	3. Lease Name UL MASON WEST UNIT	4. Well No. 8LS
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 SPRABERRY (TREND AREA) (Field # 85280300, RRC District 08)			
6. Section 38	7. Block 6	8. Survey UL	9. Abstract 179
10. County of BHL ANDREWS			
11. Terminus Lease Line Perpendiculars 330 ft. from the E line. and 50 ft. from the N line			
12. Terminus Survey Line Perpendiculars 330 ft. from the E line. and 2590 ft. from the S line			
13. Penetration Point Lease Line Perpendiculars 656 ft. from the E line. and 901 ft. from the N 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 align="center">822151</div>	DATE PERMIT ISSUED OR AMENDED <div align="center">Jan 25, 2017</div>	DISTRICT <div align="center">* 08</div>																
API NUMBER <div align="center">42-003-47471</div>	FORM W-1 RECEIVED <div align="center">Jan 16, 2017</div>	COUNTY <div align="center">ANDREWS</div>																
TYPE OF OPERATION <div align="center">NEW DRILL</div>	WELLBORE PROFILE(S) <div align="center">Horizontal</div>	ACRES <div align="center">800</div>																
OPERATOR <div align="center"> DIAMONDBACK E&P LLC 500 W TEXAS AVE STE 1200 MIDLAND, TX 79701-4203 </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">UL MASON WEST UNIT</div>		WELL NUMBER <div align="center">8LS</div>																
LOCATION <div align="center">19.3 miles NE direction from ANDREWS</div>		TOTAL DEPTH <div align="center">10500</div>																
Section, Block and/or Survey <div> SECTION ◀ 10 BLOCK ◀ 7 ABSTRACT ◀ U195 SURVEY ◀ UL </div>																		
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WELLBORE PROFILE(s) FOR FIELD: Horizontal																		
RESTRICTIONS: <div style="margin-left: 20px;"> Lateral: TH1 Penetration Point Location Lease Lines: 656.0 F E L 901.0 F N L Terminus Location BH County: ANDREWS Section: 38 Block: 6 Abstract: 179 Survey: UL Lease Lines: 330.0 F E L 50.0 F N L Survey Lines: 330.0 F E L 2590.0 F S L </div>																		
<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

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Section, Block and/or Survey <div style="display: flex; justify-content: space-between;"> <div>SECTION ◀ 10</div> <div>BLOCK ◀ 7</div> <div>ABSTRACT ◀ U195</div> </div> <div style="display: flex; justify-content: space-between;"> <div>SURVEY ◀ UL</div> <div></div> <div></div> </div>												
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FIELD NAME	ACRES	DEPTH	WELL #	DIST								
LEASE NAME	NEAREST LEASE		NEAREST WE									

**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION
SWR #13 Formation Data**

ANDREWS (003) County

Formation	Shallow Top	Deep Top	Remarks	Geological Order	Effective Date
YATES	2,500	3,200		1	12/17/2013
SEVEN RIVERS	3,000	3,000		2	12/17/2013
QUEEN	3,600	4,800		3	12/17/2013
GRAYBURG	3,100	5,000		4	12/17/2013
SAN ANDRES	3,700	5,300	CO2 flood, high flows, H2S, corrosive	5	12/17/2013
HOLT	5,000	5,500		6	12/17/2013
GLORIETA	5,100	6,000		7	12/17/2013
TUBB	6,100	6,300		8	12/17/2013
CLEARFORK	5,600	7,600		9	12/17/2013
PERMIAN DETRITAL	7,800	7,900		10	12/17/2013
LEON	7,900	7,900		11	12/17/2013
WICHITA ALBANY	6,500	8,100		12	12/17/2013
SPRABERRY	7,300	8,600		13	12/17/2013
DEAN	9,200	9,500		14	12/17/2013
WOLFCAMP	7,500	9,900		15	12/17/2013
CANYON	8,600	10,200		16	12/17/2013
PENNSYLVANIAN	8,700	10,200		17	12/17/2013
MCKEE	8,300	10,600		18	12/17/2013
STRAWN	8,800	11,000		19	12/17/2013
FUSSELMAN	8,400	11,900		20	12/17/2013
DEVONIAN	7,600	12,500		21	12/17/2013
SILURIAN	8,000	12,500		22	12/17/2013
ELLENBURGER	7,900	13,900		23	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 PROTECTION DETERMINATION

Form GW-2



Groundwater Advisory Unit

Date Issued: 18 January 2017**GAU Number:** 165774**Attention:** DIAMONDBACK E&P LLC
500 W TEXAS AVE STE 1200
MIDLAND, TX 79701**Operator No.:** 217012**API Number:**
County: ANDREWS
Lease Name: UL MASON WEST UNIT
Lease Number:
Well Number: 8LS
Total Vertical Depth: 9500
Latitude: 32.415180
Longitude: -102.234620
Datum: NAD27**Purpose:** New Drill**Location:** Survey-UL; Abstract-U195; Block-7; Section-10

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

The interval from the land surface to a depth of 300 feet, and the zone from 1375 to 1775 feet must be protected.

This recommendation is applicable for all wells drilled in this Section 10.

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

This determination is based on information provided when the application was submitted on 01/12/2017. If the location information has changed, you must contact the Groundwater Advisory Unit, and submit a new application if necessary. If you have questions, please contact us at 512-463-2741 or gau@rrc.texas.gov.

Groundwater Advisory Unit, Oil and Gas Division

Form GW-2 P.O. Box 12967 Austin, Texas 78771-2967 512-463-2741 Internet address: www.rrc.texas.gov
Rev. 02/2014

