

API No. 42-317-43700		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. A certification of the automated data is available in the RRC's Austin office.</i>				FORM W-1 07/2004	
Drilling Permit # 871518 SWR Exception Case/Docket No. 0330907 (R37)						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 MOCKINGBIRD 2-13 A		5. Well No. 1MS					
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 9800		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 MARTIN		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 32.3 miles in a NW direction from STANTON which is the nearest town in the county of the well site.							
15. Section 44		16. Block 6	17. Survey UL	18. Abstract No. A-U13	19. Distance to nearest lease line: ft.	20. Number of contiguous acres in lease, pooled unit, or unitized tract: 640	
21. Lease Perpendiculars: 1610 ft from the WEST line and 201 ft from the SOUTH line.							
22. Survey Perpendiculars: 1610 ft from the WEST line and 201 ft from the SOUTH 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	
08	85280300	SPRABERRY (TREND AREA)		Oil Well	9800	54.00	
BOTTOMHOLE LOCATION INFORMATION is required for DIRECTIONAL, HORIZONTAL, AND AMENDED AS DRILLED PERMIT APPLICATIONS (see W-1H attachment)							
Remarks See W1 Comments attached				Certificate: I certify that information stated in this application is true and complete, to the best of my knowledge. Suzanne Dorchester, Regulatory Analyst Name of filer Jul 26, 2021 Date submitted			
				(432)2217433 SDorchester@DiamondbackEnergy.com Phone E-mail Address (OPTIONAL)			
RRC Use Only Data Validation Time Stamp: Jul 29, 2021 8:59 AM(Current Version)							

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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Permit #	871518
Approved Date:	Jul 29, 2021

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 MOCKINGBIRD 2-13 A	4. Well No. 1MS
Lateral Drainhole Location Information			
5. Field as shown on Form W-1 SPRABERRY (TREND AREA) (Field # 85280300, RRC District 08)			
6. Section 13	7. Block 7	8. Survey UL / A-U19	9. Abstract
		10. County of BHL MARTIN	
11. Terminus Lease Line Perpendiculars 550 ft. from the West line. and 50 ft. from the SOUTH line			
12. Terminus Survey Line Perpendiculars 550 ft. from the West line. and 50 ft. from the SOUTH line			
13. Penetration Point Lease Line Perpendiculars 1610 ft. from the West line. and 201 ft. from the South line			

Permit Status:	Approved
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**RAILROAD COMMISSION OF TEXAS
OIL & GAS DIVISION**

APPLICATION FOR PERMIT TO DRILL, RECOMPLETE, OR RE-ENTER

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W-1 Comments

Permit #	871518
Approved Date:	Jul 29, 2021

[Jul 22, 2021 2:44 PM]: Commission Staff expresses no opinion as to whether a 100% ownership interest in each of the leases alone or in combination with a "production sharing agreement" confers the right to drill across lease/unit lines or whether a pooling agreement is also required. However, until that issue is directly addressed and ruled upon by a Texas court of competent jurisdiction it appears that a 100% interest in each of the leases and a production sharing agreement constitute a sufficient colorable claim to the right to drill a horizontal well as proposed to authorize the removal of the regulatory bar and the issuance of a drilling permit by the Commission, assuming the proposed well is in compliance with all other relevant Commission requirements.

Issuance of the permit is not an endorsement or approval of the applicant's stated method of allocating production proceeds among component leases or units. All production must be reported to the Commission as production from the lease or pooled unit on which the wellhead is located and reported production volume must be determined by actual measurement of hydrocarbon volumes prior to leaving that tract and may not be based on allocation or estimation. Payment of royalties is a contractual matter between the lessor and lessee. Interpreting the leases and determining whether the proposed proceeds allocation comports with the relevant leases is not a matter within Commission jurisdiction but a matter for the parties to the lease and, if necessary, a Texas court of competent jurisdiction.

The foregoing statements are not, and should not be construed as, a final opinion or decision of the Railroad Commission.; [RRC STAFF Jul 27, 2021 1:06 PM]: There have been problems identified with this permit (see problem letter attachment). Notification sent.; [RRC STAFF Jul 29, 2021 8:12 AM]: Problems identified with this permit are resolved.; [RRC STAFF Jul 29, 2021 8:13 AM]: Revised P16 submitted.

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

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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;">871518</div>	DATE PERMIT ISSUED OR AMENDED <div style="text-align: center;">Jul 29, 2021</div>	DISTRICT <div style="text-align: center;">* 08</div>
API NUMBER <div style="text-align: right;">42-317-43700</div>	FORM W-1 RECEIVED <div style="text-align: center;">Jul 26, 2021</div>	COUNTY <div style="text-align: center;">MARTIN</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;">640</div>
OPERATOR <div style="text-align: right;">217012</div> <div style="text-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 style="text-align: center;">(432) 684-5581</div>
LEASE NAME <div style="text-align: center;">UL MOCKINGBIRD 2-13 A</div>		WELL NUMBER <div style="text-align: center;">1MS</div>
LOCATION <div style="text-align: center;">32.3 miles NW direction from STANTON</div>		TOTAL DEPTH <div style="text-align: center;">9800</div>
Section, Block and/or Survey <div style="display: flex; justify-content: space-between;"> <div>SECTION ◀ 44</div> <div>BLOCK ◀ 6</div> <div>ABSTRACT ◀ U13</div> </div> <div style="display: flex; justify-content: space-between;"> <div>SURVEY ◀ UL</div> <div></div> <div></div> </div>		
DISTANCE TO SURVEY LINES <div style="text-align: center;">1610 ft. WEST 201 ft. SOUTH</div>		DISTANCE TO NEAREST LEASE LINE <div style="text-align: center;">ft.</div>
DISTANCE TO LEASE LINES <div style="text-align: center;">1610 ft. WEST 201 ft. SOUTH</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; margin-top: 20px;"> * SEE FIELD DISTRICT FOR REPORTING PURPOSES * ** THIS PERMIT IS GRANTED PURSUANT TO STATEWIDE RULE 37(h)(2)(B) ** CASE NO. 0330907 </div> <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <div> FIELD NAME LEASE NAME </div> <div> ACRES NEAREST LEASE </div> <div> DEPTH NEAREST WE </div> <div> WELL # NEAREST WE </div> <div> DIST </div> </div> <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>		

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

MARTIN (317) County

Formation	Remarks	Geological Order	Effective Date
SANTA ROSA		1	02/09/2020
YATES		2	02/09/2020
QUEEN		3	02/09/2020
GRAYBURG		4	02/09/2020
SAN ANDRES	active CO2 flood; high flows; H2S; corrosive	5	02/09/2020
SPRABERRY		6	02/09/2020
DEAN		7	02/09/2020
WOLFCAMP		8	02/09/2020
CISCO		9	02/09/2020
PENNSYLVANIAN		10	02/09/2020
STRAWN		11	02/09/2020
MISSISSIPPIAN		12	02/09/2020
DEVONIAN		13	02/09/2020
SILURIAN		14	02/09/2020
FUSSELMAN		15	02/09/2020
ELLENBURGER		16	02/09/2020
PRECAMBRIAN (UNDIFFERENTIATED)		17	02/09/2020

The above list may not be all inclusive, and may also include formations that do not intersect all wellbores. The listing order of the Formation information reflects the general stratigraphic order and relative geologic age. 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:	28 July 2021	GAU Number:	311650
Attention:	DIAMONDBACK E&P LLC 500 W TEXAS AVE STE 1200 MIDLAND, TX 79701	API Number:	31743703
Operator No.:	217012	County:	MARTIN
		Lease Name:	UL MOCKINGBIRD 2-13 C
		Lease Number:	
		Well Number:	2LS
		Total Vertical	10480
		Latitude:	32.441306
		Longitude:	-102.199769
		Datum:	NAD27

Purpose: New Production Well
Location: Survey-UL; Abstract-U13; Block-6; Section-44

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

The base of usable-quality water-bearing strata is estimated to occur at a depth of 350 feet at the site of the referenced well.

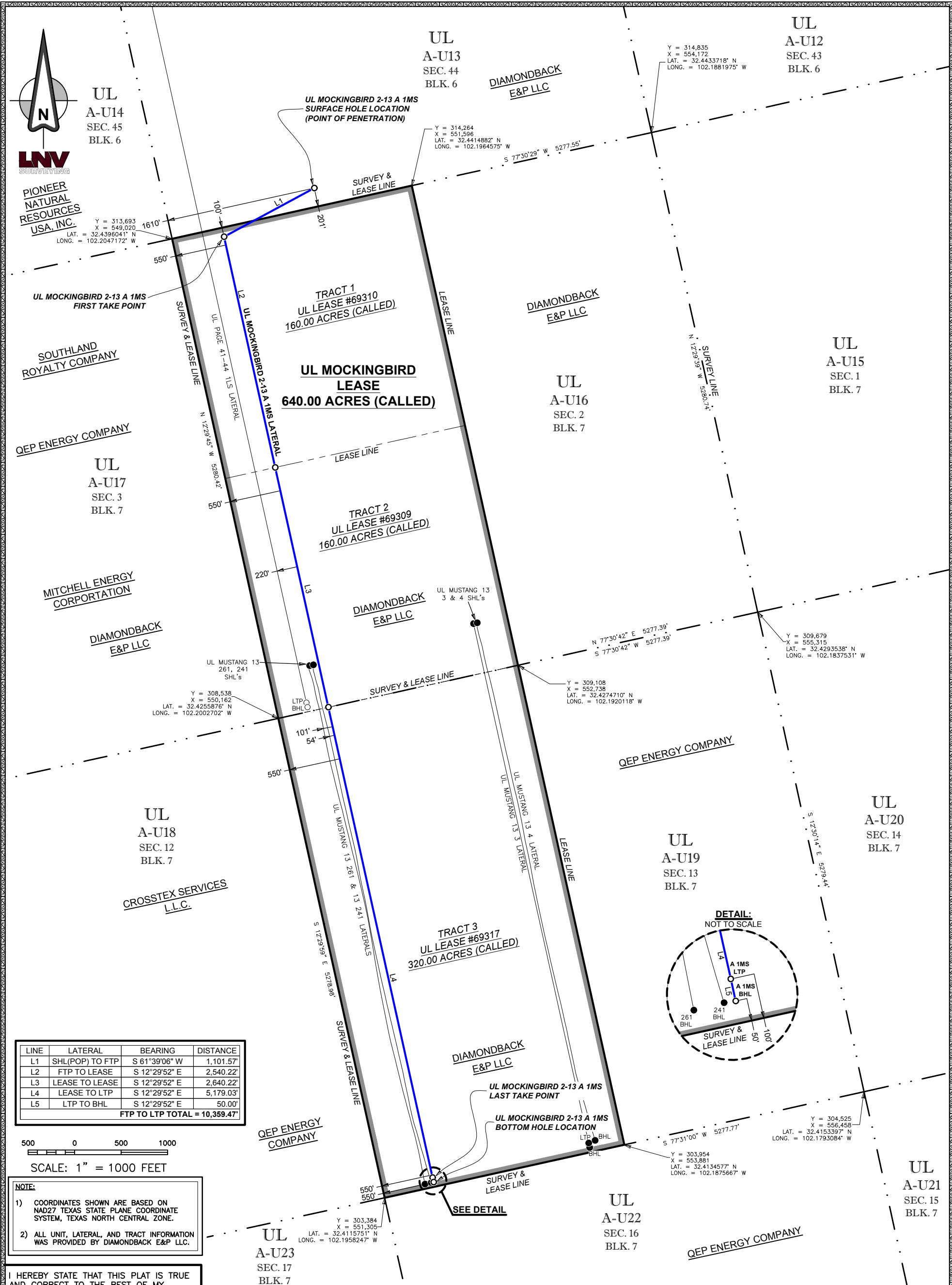
This recommendation is applicable for all wells drilled in this Survey-UL; Block-6; Section-44.

Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.

This determination is based on information provided when the application was submitted on 07/27/2021. 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.
Rev. 02/2014



LINE	LATERAL	BEARING	DISTANCE
L1	SHL(POP) TO FTP	S 61°39'06" W	1,101.57'
L2	FTP TO LEASE	S 12°29'52" E	2,540.22'
L3	LEASE TO LEASE	S 12°29'52" E	2,640.22'
L4	LEASE TO LTP	S 12°29'52" E	5,179.03'
L5	LTP TO BHL	S 12°29'52" E	50.00'
FTP TO LTP TOTAL = 10,359.47'			

50005001000

SCALE: 1" = 1000 FEET

NOTE:

1) COORDINATES SHOWN ARE BASED ON NAD27 TEXAS STATE PLANE COORDINATE SYSTEM, TEXAS NORTH CENTRAL ZONE.

2) ALL UNIT, LATERAL, AND TRACT INFORMATION WAS PROVIDED BY DIAMONDBACK E&P LLC.

I HEREBY STATE THAT THIS PLAT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. THIS SHOULD NOT BE CONSIDERED A BOUNDARY SURVEY.

STATE OF TEXAS

REGISTERED

SALVADOR A. SALAS

6612

PROFESSIONAL LAND SURVEYOR

SIGNED: 07/20/2021

SALVADOR A. SALAS
REGISTERED PROFESSIONAL LAND SURVEYOR
LICENSE NO. 6612

WELL NUMBER	SURVEY CALLS	LEASE CALLS	GROUND ELEVATION	NAD27 TEXAS STATE PLANE COORDINATES	NAD27 GEOGRAPHIC COORDINATES(DMS)	NAD27 GEOGRAPHIC COORDINATES(DD)	NAD83 GEOGRAPHIC COORDINATES(DD)
A 1MS SHL(POP)	1,610' FWL 201' FSL	OFF LEASE 201' FSL	2,926.5'	Y = 314,237 X = 550,548	LAT. = 32°26'28.63"N LONG. = 102°11'59.45"W	LAT. = 32.4412870° N LONG. = 102.1998481° W	LAT. = 32.4413923° N LONG. = 102.2002807° W
A 1MS FTP	550' FWL 100' FNL	550' FWL 100' FNL	- - -	Y = 313,714 X = 549,578	LAT. = 32°26'23.03"N LONG. = 102°12'10.48"W	LAT. = 32.4397314° N LONG. = 102.2029115° W	LAT. = 32.4398367° N LONG. = 102.2033442° W
A 1MS LTP	550' FWL 100' FSL	550' FWL 100' FSL	- - -	Y = 303,600 X = 551,820	LAT. = 32°24'44.04"N LONG. = 102°11'39.08"W	LAT. = 32.4122329° N LONG. = 102.1941878° W	LAT. = 32.4123395° N LONG. = 102.1946190° W
A 1MS BHL	550' FWL 50' FSL	550' FWL 50' FSL	- - -	Y = 303,552 X = 551,831	LAT. = 32°24'43.56"N LONG. = 102°11'38.92"W	LAT. = 32.4121002° N LONG. = 102.1941457° W	LAT. = 32.4122068° N LONG. = 102.1945769° W

LNV

engineers | architects | surveyors

801 NAVIGATION, SUITE 300
CORPUS CHRISTI, TX 78408
PH. (361) 883-1984
FAX (361) 883-1986
WWW.LNVINC.COM

AN RRC WELL LOCATION PLAT FOR:

DIAMONDBACK E&P LLC

UL MOCKINGBIRD 2-13 A 1MS

SITUATED IN THE UL SURVEYS, SECTION 44, A-U13, OUT OF BLOCK 6, SECTION 2, A-U16, SECTION 13, A-U19, BOTH BEING OUT OF BLOCK 7, APPROXIMATELY 32.3 MILES NORTHWEST OF STANTON IN MARTIN COUNTY, TEXAS.

Survey Date: 06/08/2021
Surveyed By: RM/WR
Drawn by: AG
Checked by: CL/AA
Job #: 200073.211