



RAILROAD COMMISSION OF TEXAS

Form W-2

1701 N. Congress  
P.O. Box 12967  
Austin, Texas 78701-2967

Status: Submitted  
Date: 01/06/2022  
Tracking No.: 259493

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION			
Operator	DIAMONDBACK E&P LLC	Operator	217012
Operator	500 W TEXAS AVE STE 1200 MIDLAND, TX 79701-4203		

WELL INFORMATION			
API	42-003-48247	County:	ANDREWS
Well No.:	2LS	RRC District	08
Lease	UL CUCKOO BEE 5-19 E	Field	SPRABERRY (TREND AREA)
RRC Lease	56023	Field No.:	85280300
Location	Section: 5, Block: 7, Survey: UL, Abstract: U190		
Latitude	32	Longitud	-102
This well is 18.8 miles in a NE direction from ANDREWS, which is the nearest town in the			

FILING INFORMATION			
Purpose of	Initial Potential		
Type of	Other/Recompletion		
Well Type:	Producing	Completion or Recompletion	09/30/2021
Type of Permit	Date	Permit No.	
Permit to Drill, Plug Back, or Rule 37 Exception	11/10/2020	861632	
Fluid Injection			
O&G Waste Disposal			
Other:			

COMPLETION INFORMATION			
Spud	02/25/2021	Date of first production after rig	09/30/2021
Date plug back, deepening, drilling operation	07/20/2021	Date plug back, deepening, recompletion, drilling operation	08/18/2021
Number of producing wells on this lease this field (reservoir) including this	4	Distance to nearest well in lease & reservoir	1.0
Total number of acres in	560.00	Elevation	2966 GR
Total depth TVD	9589	Total depth MD	20507
Plug back depth TVD		Plug back depth MD	
Was directional survey made other inclination (Form W-	Yes	Rotation time within surface casing Is Cementing Affidavit (Form W-15)	19.8 Yes
Recompletion or	Yes	Multiple	No
Type(s) of electric or other log(s)	Other		
Electric Log Other Description:	RCBL		
Location of well, relative to nearest lease of lease on which this well is	431.0 Feet from the 2139.0 Feet from the	Off Lease : West Line and North Line of the UL CUCKOO BEE 5-19 E Lease.	Yes

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.			
Field & Reservoir	Gas ID or Oil Lease	Well No.	Prior Service Type
PACKET:	N/A		

W2:	N/A		
FOR NEW DRILL OR RE-ENTRY, SURFACE CASING DEPTH DETERMINED BY:			
GAU Groundwater Protection Determination	Depth	1750.0	Date 02/20/2020
SWR 13 Exception	Depth	2000.0	

INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION			
Date of	11/29/2021	Production	Pumping
Number of hours	24	Choke	64
Was swab used during this	No	Oil produced prior to	66543.00
PRODUCTION DURING TEST PERIOD:			
Oil	900.00	Gas	655
Gas - Oil	727	Flowing Tubing	480.00
Water	575		
CALCULATED 24-HOUR RATE			
Oil	900.0	Gas	655
Oil Gravity - API - 60.:	38.2	Casing	240.00
Water	575		

CASING RECORD											
Ro	Type of Casing	Casing	Hole	Setting	Multi -	Multi -	Cement	Cement	Slurry	Top of	TOC
		Size (in.)	Size	Depth	Stage Tool	Stage Shoe	Class	Amoun	Volume (cu.)	Cement (ft.)	Determined By
1	Surface	10 3/4	12 1/4	1972			C	1495	2706.0	SURF ACE	Circulated to Surface
2	Intermediate	7 5/8	9 7/8	6965			H	1155	3691.0	SURF ACE	Circulated to Surface
3	Tapered Production	5 1/2	6 3/4	20493			50:50 H	1180	2826.4	6410 Cement	Evaluation Log
4	Tapered Production	5	6 3/4	20493			50:50 H	1180	2826.4	6410 Cement	Evaluation Log

LINER RECORD									
Ro	Liner Size	Hole Size	Liner Top	Liner Bottom	Cement Class	Cement Amoun	Slurry Volume (cu.)	Top of Cement (ft.)	TOC Determined
N/A									

TUBING RECORD			
Ro	Size (in.)	Depth	Size (ft.)
1	2 7/8	8838	
Packer Depth (ft.)/Type /			

PRODUCING/INJECTION/DISPOSAL INTERVAL			
Ro	Open hole?	From (ft.)	To (ft.)
1	No	L1 10060	20401.0

ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.			
Was hydraulic fracturing treatment		Yes	
Is well equipped with a downhole sleeve?		If yes, actuation pressure	8013.0
Yes			
Production casing test pressure (PSIG)		Actual maximum pressure (PSIG) during	
hydraulic fracturing	6500	fracturin	8448
Has the hydraulic fracturing fluid disclosure been		Yes	
<u>Ro</u>	<u>Type of Operation</u>	<u>Amount and Kind of Material Used</u>	<u>Depth Interval (ft.)</u>
1	Fracture	SEE FRAC FOCUS	10060 20401

FORMATION RECORD					
<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
YATES	Yes	3144.0	3144.0	Yes	
SEVEN RIVERS	Yes	3284.0	3284.0	Yes	
QUEEN	Yes	3791.0	3791.0	Yes	
GRAYBURG	Yes	4292.0	4292.0	Yes	
SAN ANDRES - CO2 FLOOD, HIGH FLOWS, H2S, CORROSIVE	Yes	4727.0	4727.0	Yes	
HOLT	No			No	ABSENT - NOT DEPOSITED
GLORIETA	Yes	5918.0	5918.0	Yes	
CLEARFORK	Yes	6748.0	6748.0	Yes	
TUBB	No			No	ABSENT - NOT DEPOSITED
PERMIAN DETRITAL	No			No	BELOW TVD
LEON	No			No	BELOW TVD
WICHITA ALBANY	No			No	BELOW TVD
SPRABERRY	Yes	8450.0	8450.0	Yes	
DEAN	No			No	BELOW TVD
WOLFCAMP	No			No	BELOW TVD
CANYON	No			No	BELOW TVD
PENNSYLVANIAN	No			No	BELOW TVD
STRAWN	No			No	BELOW TVD
DEVONIAN	No			No	BELOW TVD
SILURIAN	No			No	BELOW TVD
FUSSELMAN	No			No	BELOW TVD
MCKEE	No			No	BELOW TVD
ELLENBURGER	No			No	BELOW TVD
PRECAMBRIAN (UNDIFFERENTIATED)	No			No	BELOW TVD
Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm					No
Is the completion being downhole commingled					No

REMARKS
SPUD WELL 2/25/2021. RIGGED UP DRILLING RIG 4/8/2021, RIGGED DOWN 5/12/2021. KOP 8875

RRC REMARKS	
<b>PUBLIC COMMENTS:</b> [RRC Staff 2022-01-07 09:58:06.338] EDL=10300 feet, max acres=680, SPRABERRY (TREND AREA) oil well; take points: 10060-20401 feet	
<b>CASING RECORD :</b>	
<b>TUBING RECORD:</b> SPUD WELL 2/25/2021. RIGGED UP DRILLING RIG 4/8/2021, RIGGED DOWN 5/12/2021. KOP 8875	
<b>PRODUCING/INJECTION/DISPOSAL INTERVAL :</b>	
<b>ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :</b>	
<b>POTENTIAL TEST DATA:</b>	

OPERATOR'S CERTIFICATION			
Printed	Suzanne Dorchester	Title:	Regulatory Analyst
Telephone	(432) 221-7433	Date	01/06/2022



RAILROAD COMMISSION OF TEXAS

Form W-

1701 N. Congress

P.O. Box 12967

Austin, Texas 78701-2967

CEMENTING REPORT

Operator Information

Operator Name: DIAMONDBACK E&P LLC

Cementer Name: CREST PUMPING TECHNOLOGIES, LLC

Operator P-5 No: 217012

Cementer P-5 No: 189898

Address: 500 W TEXAS AVE STE 1200 MIDLAND TX 79701

Address: 6500 WEST FREEWAY SUITE 601 FORT WORTH

Date: 06/30/2021

TX 76116

Date: 03/03/2021

Well Information

District No: 08

County: ANDREWS

Well No: 2LS

API No: 00348247

Drilling Permit No: 861632

Lease Name: UL CUCKOO BEE 5-19 E

Field Name: SPRABERRY (TREND AREA)

Lease No: 56023

Field No: 85280300

Casing Cementing Data

Type of casing: Surface

Cementing Date : 02/26/2021

Drilled hole size (in.): 12 1/4

Size of casing in O.D.(in): 10 3/4

Depth of drilled hole (ft.): 1984

Hrs. waiting on cement before drill-out: 24

No. of centralizers used : 16

Est. % wash-out or hole enlargement: 20

Top of liner (ft.): N/A

Calculated top of cement (ft.): 0

Setting depth liner (ft.) : N/A

Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]

Setting depth shoe (ft): 1972

Casing weight (lbs/ft) and grade: 45.5/J-55

Multiple parallel strings: No

DV tool not opened: No

Slurry

Slurry # 1 \* No. of Sacks: 1075 \* Class: Class C \* Additives: See Remarks \* Volume (cu. ft.) 2139 \* Height (ft.) 5881

Slurry # 2 \* No. of Sacks: 420 \* Class: Class C \* Additives: See Remarks \* Volume (cu. ft.) 567 \* Height (ft.) 1559

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- Surface

1. 1 % Calcium Chloride, 6 % Bentonite Gel, 1 % CPT-45, 0.4 % CPT-503P, 0.25 lbs/sk Cellophane Flake,

2. 2 % Calcium Chloride,

Cementer Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision and that the cementing data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers cementing data only.

Company Representative: Brian Shaw

Representative's Title: Cementer

Phone Number: (940) 567-3392

Operator Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report and that data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers all well data.

Operator Representative: TERRIE GAINES

Representative's Title: REGULATORY TECH II

Phone Number: (432) 245-6049



RAILROAD COMMISSION OF TEXAS

Form W-

1701 N. Congress

P.O. Box 12967

Austin, Texas 78701-2967

CEMENTING REPORT

Operator Information

Operator Name: DIAMONDBACK E&P LLC

Cementer Name: WEST TEXAS CEMENTERS, LLC

Operator P-5 No: 217012

Cementer P-5 No: 910261

Address: 500 W TEXAS AVE STE 1200 MIDLAND TX 79701

Address: P O BOX 6105 MCALLEN TX 78502

Date: 06/28/2021

Date: 04/13/2021

Well Information

District No: 08

County: ANDREWS

Well No: 2LS

API No: 00348247

Drilling Permit No: 861632

Lease Name: UL CUCKOO BEE 5-19 E

Field Name: SPRABERRY (TREND AREA)

Lease No: 56023

Field No: 85280300

Casing Cementing Data

Type of casing: Intermediate

Cementing Date : 04/10/2021

Drilled hole size (in.): 9 7/8

Size of casing in O.D.(in): 7 5/8

Depth of drilled hole (ft.): 7000

Hrs. waiting on cement before drill-out: 24

No. of centralizers used : 55

Est. % wash-out or hole enlargement: 20

Top of liner (ft.): N/A

Calculated top of cement (ft.): 0

Setting depth liner (ft.) : N/A

Was cement circulated to ground surface (or bottom of cellar) outside casing? [Yes]

Setting depth shoe (ft): 6965

Casing weight (lbs/ft) and grade: 29.7/L-80HC

Multiple parallel strings: No

DV tool not opened: No

Slurry

Slurry # 1 \* No. of Sacks: 175 \* Class: H \* Additives: Remark 2 \* Volume (cu. ft.) 222 \* Height (ft.) 1047

Slurry # 2 \* No. of Sacks: 980 \* Class: H \* Additives: Remark 1 \* Volume (cu. ft.) 3469 \* Height (ft.) 15717

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- 1. 50% B \_ Poz + 50% Class H + 10% Gel + 5% Salt + 5PPS Plexcrete STE + 1.8% SMS + 0.3% R-1300 + 25PPS Kolseal + 0.25 PPS Pol\_E-Flake

2. 50% B Poz + 50% Class H + 5% Salt + 0.1% C-20

Cementer Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision and that the cementing data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers cementing data only.

Company Representative: Denise Crawford

Representative's Title: Office Manager

Phone Number: (432) 559-1057

Operator Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report and that data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers all well data.

Operator Representative: TERRIE GAINES

Representative's Title: REGULATORY TECH II

Phone Number: (432) 245-6049



RAILROAD COMMISSION OF TEXAS

Form W-

1701 N. Congress

P.O. Box 12967

Austin, Texas 78701-2967

CEMENTING REPORT

Operator Information

Operator Name: DIAMONDBACK E&P LLC      Cementer Name: WEST TEXAS CEMENTERS, LLC

Operator P-5 No: 217012      Cementer P-5 No: 910261  
Address: 500 W TEXAS AVE STE 1200 MIDLAND TX 79701      Address: P O BOX 6105 MCALLEN TX 78502  
Date: 06/28/2021      Date: 05/14/2021

Well Information

District No: 08      County: ANDREWS  
Well No: 2LS      API No: 00348247      Drilling Permit No: 861632  
Lease Name: UL CUCKOO BEE 5-19 E      Field Name: SPRABERRY (TREND AREA)  
Lease No: 56023      Field No: 85280300

Casing Cementing Data

Type of casing: Tapered Production      Cementing Date : 05/12/2021  
Tapered string drilled hole size (in) Upper: 6 3/4 Lower: 6 3/4      Setting depth shoe (ft): 20493  
Tapered string size of casing in O.D. (in) Upper: 5 1/2 Lower: 5      Hrs. waiting on cement before drill-out: 24  
Tapered string depth of drilled hole (ft) Upper: 6683 Lower: 20493      Calculated top of cement (ft.): 6410  
Tapered string casing weight (lbs/ft) and grade Upper: 17/P-110 Lower: 18/P-110      Est. % wash-out or hole enlargement: 20  
Tapered string no. of centralizers used Upper: 50 Lower: 0      Multiple parallel strings: No      DV tool not opened: No

Was cement circulated to ground surface (or bottom of cellar) outside casing? [No]

Slurry

Slurry # 1 \* No. of Sacks: 790 \* Class: 50 50 H \* Additives: Remark 2 \* Volume (cu. ft.) 1453.6 \* Height (ft.) 16982  
Slurry # 2 \* No. of Sacks: 390 \* Class: 50 50 H \* Additives: Remark 1 \* Volume (cu. ft.) 1372.8 \* Height (ft.) 14848

Cementing to Squeeze, Plug Back or Plug and Abandon

Remarks

- 1. 10% Gel+5% SALT+5PPS Plexcrete STE+I.8% SMS+0.55% R-1300+0.005GPS NoFoam VIA  
2. 6% Gel+5PPS WTC1+5PPS Plexcrete STE+0.25% SMS+0.05% SuspendaCem 6302+0.6% C-20+0.5% C-47B+0.005GPS NoFoam VIA

Cementer Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that the cementing of casing and/or the placing of cement plugs in this well as shown in the report was performed by me or under my supervision and that the cementing data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers cementing data only.

Company Representative: Denise Crawford      Representative's Title: Office Manager  
Phone Number: (432) 559-1057

Operator Certification: I declare under penalties prescribed in Sec. 91.143, Texas Natural Resources code, that I am authorized to make this certification, that I have knowledge of the well data and information presented in this report and that data and facts presented on both sides of this form are true, correct and complete, to the best of my knowledge. This certification covers all well data.  
Operator Representative: TERRIE GAINES      Representative's Title: REGULATORY TECH II  
Phone Number: (432) 245-6049

WAYNE CHRISTIAN, CHAIRMAN  
CHRISTI CRADDICK, COMMISSIONER  
RYAN SITTON, COMMISSIONER



DANNY SORRELLS  
DIRECTOR, OIL AND GAS DIVISION  
JEFFERY MORGAN  
DISTRICT DIRECTOR

## RAILROAD COMMISSION OF TEXAS

### OIL AND GAS DIVISION

**OPERATOR Name:** DIAMONDBACK E&P LLC  
**Address1:** 500 W TEXAS AVE STE 1200  
**Address2:**  
**City:** MIDLAND  
**State:** TX

**RE: Lease:** UL CUCKOO BEE 5-19 E  
**Well No:** 2LS  
**Sec:** 5 **Block:** 7  
**County:** ANDREWS  
**Survey Name:** UL

**SWR13EX Application Number:** 81125 **Drilling Permit No:** 861632

### SWR 13 CASING EXCEPTION APPLICATION/ALTERNATIVE REQUEST APPROVED

The Proposed Casing and Cementing Program submitted for the **LEASE NAME:** UL CUCKOO BEE 5-19 E ;  
**WELL NUMBER:** 2LS has been approved by the Railroad Commission of Texas District Office.

- a. A copy of this approved letter must be kept on location during all phases of drilling and/or plugging operations. Once approved, changes CANNOT be made to the Proposed Casing Program on the original application without additional approval from the Railroad Commission of Texas District Office.
- b. Any substantive modifications to the cement program require prior approval from the Railroad Commission of Texas District Office, and may require re-submission of the SWR 13 (Statewide Rule 13) Alternate Surface Casing Application. Contact the Railroad Commission of Texas District Office for more information.
- c. The tail slurry must be sufficient to fill the Zone of Critical Cement as described in Statewide Rule 13(b)(1)(H)(i). In addition, all cement slurries must be mixed on location as described in Application for Alternate Surface Casing Program.
- d. The casing and cement program shall adhere to the following specifications:  
Set 2000 feet of surface casing and circulate cement from the shoe to the ground surface.

Please notify the Midland District Office immediately if any gas, H<sub>2</sub>S or otherwise, is encountered before surface casing is set.

IF CEMENT IS NOT CIRCULATED TO THE GROUND SURFACE AS REQUIRED BY THIS EXCEPTION, YOU MUST CONTACT THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE IMMEDIATELY AND FOLLOW THE PROCEDURES SET OUT IN RULE 13(b)(1)(H)(iii) OR AS REQUIRED BY THE RAILROAD COMMISSION OF TEXAS DISTRICT OFFICE.



You must comply with all other provisions of SWR 13 (Statewide Rule 13) and a representative of the cementing company who performs the cementing job for the protection of usable quality water strata must sign the Form W-15 attesting to the information regarding cementing operations performed; including circulation of cement. (Note: If surface casing is set below the approved depth, this can result in denial of future Statewide Rule 13(b)(1)(H)(i) requests.) A condition of the approved drilling permit requires notification to the Railroad Commission of Texas District Office eight (8) hours prior to the time casing is to be set/cemented in the well. If your exception request was submitted after the subject well has been drilled and completed, the operator may be referred for enforcement action.

This authorization shall expire within five (5) years from the date the Groundwater Protection Determination was issued, or at the expiration of the drilling permit (if the well is not spudded prior to expiration) for the referenced well, whichever occurs first. Furthermore, this authorization supersedes any prior authorizations issued for the referenced well.

This exception is based on information provided when the application was submitted on 02/20/2020 .  
If any information has changed, you must contact the appropriate Railroad Commission of Texas District Office, and submit a new application if applicable. If you have questions, please contact the appropriate Oil and Gas District office.

RRC APPROVAL BY: Ryne Smith

DATE: 02/26/2020

JEFFERY MORGAN

DISTRICT DIRECTOR

Tracking No.: 259493

This facsimile L-1 was generated electronically from data submitted to the RRC.

## Instructions

**When to File Form L-1:**

- with Forms G-1, W-2, and GT-1 for new and deepened gas, oil, and geothermal wells
- with Form W-3 for plugged dry holes
- when sending in a log which was held under a request for confidentiality and the period for confidentiality has not yet expired.

**When is Form L-1 NOT required:**

- with Forms W-2, G-1, and GT-1 filed for injection wells, disposal wells, water supply wells, service wells, re-test wells, re-classifications, and plugbacks of oil, gas or geothermal wells
- with Form W-3 for plugging of other than a dry hole

**Where to File Form L-1:**

- with the appropriate Commission district office

**Filling out Form L-1:**

- Section I and the signature section must be filled out for all wells
- complete only the appropriate part of Section II

**Type of log required:**

- any wireline survey run for the purpose of obtaining lithology, porosity, or resistivity information
- no more than one such log is required but it must be of the subject well
- if such log is NOT run on the subject well, do NOT substitute any other type of log; just select Section II, Part A below

## SECTION I. IDENTIFICATION

Operator Name: DIAMONDBACK E&P LLC	District No. 08	Completion Date: 09/30/2021
Field Name SPRABERRY (TREND AREA)	Drilling Permit No. 861632	
Lease Name UL CUCKOO BEE 5-19 E	Lease/ID No. 56023	Well No. 2LS
County ANDREWS	API No. 42- 003-48247	

## SECTION II. LOG STATUS (Complete either A or B)

☐ A. BASIC ELECTRIC LOG NOT RUN

☒ B. BASIC ELECTRIC LOG RUN. (Select one)

- ☒ 1. Confidentiality is requested and a copy of the header for each log that has been run on the well is attached.
- ☐ 2. Confidentiality already granted on basic electric log covering this interval (applicable to deepened wells only).
- ☐ 3. Basic electric log covering this interval already on file with Commission (applicable to deepened wells only).
- ☐ 4. Log attached to (select one):

☐ (a) Form L-1 (this form). If the company/lease name on log is different from that shown in Section I, please enter name on log here: \_\_\_\_\_

Check here if attached log is being submitted after being held confidential. ☐

☐ (b) Form P-7, Application for Discovery Allowable and New Field Designation.

☐ (c) Form W-4, Application for Multiple Completion:

Lease or ID No(s). \_\_\_\_\_

Well No(s). \_\_\_\_\_

Suzanne Dorchester

Signature

DIAMONDBACK E&amp;P LLC

Name (print)

Regulatory Analyst

Title

(432) 221-7433

Phone

12/07/2021

Date

-FOR RAILROAD COMMISSION USE ONLY-



# Radial Cement Bond Gamma Ray CCL Log

Zoom out (Ctrl+Minus)

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

Texas

Company

Well

Field

County

State

Diamondback E&P LLC.

UL Cuckoo Bee 5-19 E 2LS

Spraberry (Trend Area)

Andrews

<

## Form P-16

**Page 1**  
Rev. 09/2019

500 W Texas Ave, Suite 1200		Midland,	Texas	79701	432-221-7433		12/06/21		
Address		City	State	Zip Code	Tel:	Area Code	Number	Date:	mo. day yr.



# RAILROAD COMMISSION OF TEXAS

**1701 N. Congress  
P.O. Box 12967  
Austin, Texas 78701-2967**

**Form P-16**Page 2  
Rev. 09/2019

## Acreage Designation

Filer is the owner or lessee of all or an undivided portion of the minerals under each tract listed below and has the legal right to drill on each tract traversed by the well that will have perforations or other take points open in the interval of the applied-for field(s). All tracts listed will actually be traversed by the wellbore or the filer has pooling authority or other contractual authority, such as a production sharing agreement, authorizing inclusion of the non-drill site tract in the acreage assigned to the well.

SECTION V. LISTING OF ALL TRACTS CONTRIBUTING ACREAGE TO AN RRC DESIGNATED DEVELOPMENTAL UNIT THAT IS NOT A SINGLE LEASE, POOLED UNIT, OR GROUP OF TRACTS UNITIZED BY CONTRACT FOR PURPOSES OF SECONDARY RECOVERY						
RRC ID No., Lease No. or Tract ID		Lease Name	Beginning Lease Acres	Allocated Lease Acres	Ending Lease Acres	Operator Name and Operator No. (if different from filing operator)
A	1	CUCKOO BEE 5	80.000	20.000	60.000	
B	2	CUCKOO BEE 10	240.000	60.000	180.000	
C	3	CUCKOO BEE 10 A	80.000	20.000	60.000	
D	4	CUCKOO BEE 19	160.000	40.000	120.000	
E						
F						
G						
H						
Total Acreage =			560.000	140.000	420.000	

Filer is the owner or lessee, or has been authorized by the owner or lessee, of all or an undivided portion of the mineral estate under each tract for which filer is listed as operator below. For all leases operated by other entities, the number of assigned acres shown are reflected on current Commission records or the filer has been authorized by the current operator to change the assigned acreage of that operator as shown below.

[illegible]

\* A revised P-16 is required if increasing the proration acreage on an existing Allocation or PSA well utilizing acreage from a regulatory lease or undeveloped tract not listed in Section V.  
(refer to instructions)

## GROUNDWATER PROTECTION DETERMINATION

Form GW-2



## Groundwater Advisory Unit

**Date Issued:** 20 February 2020**GAU Number:** 270640**Attention:** DIAMONDBACK E&P LLC  
500 W TEXAS AVE STE 1200  
MIDLAND, TX 79701**Operator No.:** 217012**API Number:** 00348246  
**County:** ANDREWS  
**Lease Name:** UL CUCKOO BEE 5-19 D  
**Lease Number:**  
**Well Number:** 2JM  
**Total Vertical Depth:** 13000  
**Latitude:** 32.423447  
**Longitude:** -102.248769  
**Datum:** NAD27**Purpose:** New Production Well**Location:** Survey-UL; Abstract-U190; Block-7; Section-5

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

Water-bearing strata from the land surface to a depth of 300 feet and the Zone, which is estimated to occur from 1275 to 1750 feet must be protected.

This recommendation is applicable for all wells drilled in this Section-5.

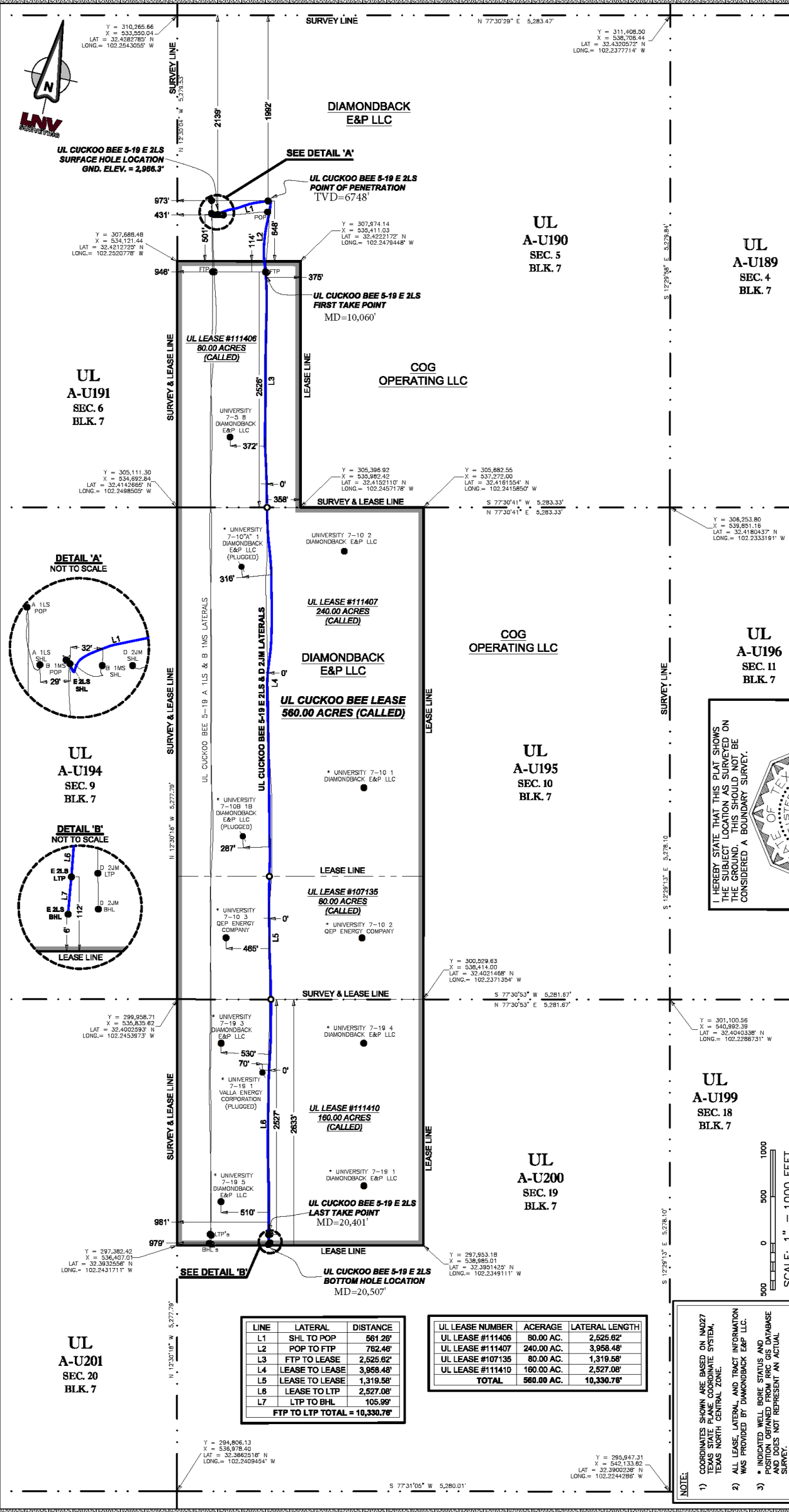
Note: Unless stated otherwise, this recommendation is intended to apply only to the subject well and not for area-wide use. Unless stated otherwise, this recommendation is for normal drilling, production, and plugging operations only.

This determination is based on information provided when the application was submitted on 02/17/2020. 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](mailto: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](http://www.rrc.texas.gov)  
Rev. 02/2014





Survey Date: 9/29/2020

Surveyed By: HS/JR

Drawn by: HR

Checked by: CL/MC

Job #: 170008.436

AN AS-DRILLED PLAT FOR:

**DIAMONDBACK E&P LLC**

**UL CUCKOO BEE 5-19 E 2LS**

SITUATED IN THE UL SURVEYS, SECTION 5, A-U190, SECTION 10, A-U195 & SECTION 19, A-U200, OUT OF BLOCK 7, APPROXIMATELY 18.8 MILES NORTHEAST OF ANDREWS IN ANDREWS COUNTY, TEXAS.

TYPE: PLAT NO. 170008

TRIPLE FIRM NO. 1012000

engineers | architects

surveyors

801 W. WILSON, SUITE 300

BO WAXATON, TEXAS 76708

WWW.LNW.COM

**LNW**

engineers | architects

surveyors

I HEREBY STATE THAT THIS PLAT SHOWS THE SUBJECT LOCATION AS SURVEYED ON THE GROUND. THIS SHOULD NOT BE CONSIDERED A BOUNDARY SURVEY.

SERGIO Z. CANALES  
REGISTERED PROFESSIONAL LAND SURVEYOR  
LICENSE NO. 6040

WELL NUMBER	LEASE	SURVEY MEASURED	DEPTH	NAD27 TEXAS STATE PLANE COORDINATES	NAD27 GEOREGRAPHIC COORDINATES(DD)	NAD83 GEOREGRAPHIC COORDINATES(DD)
E 2LS SHL	OFF LEASE	431' FWL	---	Y = 308,270.72 X = 534,494.26	LAT. = 32°42'29.103" N LONG. = 102°25'15.04" W	LAT. = 32°42'29.154" N LONG. = 102°25'15.041" W
E 2LS POP	OFF LEASE	973' FWL	6,746.0'	Y = 308,531.32 X = 534,891.35	LAT. = 32°42'29.28" N LONG. = 102°14'58.48" W	LAT. = 32°42'29.33" N LONG. = 102°14'58.48" W
E 2LS FTP	OFF LEASE	946' FWL	10,060.0'	Y = 307,781.44 X = 535,069.33	LAT. = 32°42'29.17" N LONG. = 102°14'58.48" W	LAT. = 32°42'29.22" N LONG. = 102°14'58.48" W
E 2LS LTP	OFF LEASE	981' FWL	20,401.0'	Y = 297,703.70 X = 537,340.18	LAT. = 32°42'29.31" N LONG. = 102°14'24.11" W	LAT. = 32°42'29.36" N LONG. = 102°14'24.11" W
E 2LS BHL	OFF LEASE	979' FWL	20,507.0'	Y = 297,599.87 X = 537,381.62	LAT. = 32°42'29.30" N LONG. = 102°14'24.11" W	LAT. = 32°42'29.35" N LONG. = 102°14'24.11" W

NOTE:

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

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

3) \* INDICATED WELL BORE STATUS AND POSITION OBTAINED FROM RRC GIS DATABASE AND DOES NOT REPRESENT AN ACTUAL SURVEY.

LINE	LATERAL	DISTANCE
L1	SHL TO POP	561.26'
L2	POP TO FTP	762.46'
L3	FTP TO LEASE	2,526.62'
L4	LEASE TO LEASE	3,958.48'
L5	LEASE TO LEASE	1,319.58'
L6	LEASE TO LTP	2,527.08'
L7	LTP TO BHL	105.99'
FTP TO LTP TOTAL = 10,330.76'		

UL LEASE NUMBER	ACERAGE	LATERAL LENGTH
UL LEASE #111406	80.00 AC.	2,525.62'
UL LEASE #111407	240.00 AC.	3,958.48'
UL LEASE #107135	80.00 AC.	1,319.58'
UL LEASE #111410	160.00 AC.	2,527.08'
TOTAL	560.00 AC.	10,330.76'

Y = 294,806.13  
X = 536,978.40  
LAT = 32°42'25.18" N  
LONG. = 102°24'09.45" W

Y = 295,647.31  
X = 542,133.82  
LAT = 32°42'23.28" N  
LONG. = 102°22'44.28" W