



RAILROAD COMMISSION OF TEXAS

Form W-2

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

Status: Approved
Date: 06/07/2023
Tracking No.: 290818

OIL WELL POTENTIAL TEST, COMPLETION OR RECOMPLETION REPORT,

OPERATOR INFORMATION

Table with Operator, PDEH LLC, Operator 646827, and address 600 W ILLINOIS AVE MIDLAND, TX 79701-

WELL INFORMATION

Table with well details: API 42-495-33705, Well No.: 1503H, Lease UL 20 SPINNER A, RRC Lease 57946, Location Section: 15, Block: 20, Survey: UL, Abstract: U16, County: WINKLER, RRC District 08, Field PHANTOM (WOLFCAMP), Field No.: 71052900, Latitude 31, Longitude -103, and direction from WINK, which is the nearest town in the area.

FILING INFORMATION

Table with filing details: Purpose of Well Record Only, Type of Other/Recompletion, Well Type: Producing, Completion or Recompletion 10/28/2016, Type of Permit, Date 05/10/2023, Permit No. 890165, Rule 37 Exception, Fluid Injection, O&G Waste Disposal, and Other: 05/10/2023 890165.

COMPLETION INFORMATION

Table with completion details: Spud 07/25/2016, Date of first production after rig 10/28/2016, Date plug back, deepening, drilling operation 06/25/2016, Date plug back, deepening, recompletion, drilling operation 07/25/2016, Number of producing wells on this lease this field (reservoir) including this 6, Distance to nearest well in lease & reservoir 287.0, Total number of acres in 1441.58, Elevation 2779 GR, Total depth TVD 11990, Total depth MD 20050, 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) 86.0 No, Recompletion or Yes, Multiple No, Type(s) of electric or other log(s) Gamma Ray (MWD), Electric Log Other Description:, Location of well, relative to nearest lease of lease on which this well is 3181.0 Feet from the NW Line and 2098.0 Feet from the SW Line of the UL 20 SPINNER A Lease. Off Lease : No

FORMER FIELD (WITH RESERVOIR) & GAS ID OR OIL LEASE NO.

Table with headers: 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:**

<b>GAU Groundwater Protection Determination</b>	<b>Depth</b>	300.0	<b>Date</b>	01/27/2016
<b>SWR 13 Exception</b>	<b>Depth</b>	5001.0		

**INITIAL POTENTIAL TEST DATA FOR NEW COMPLETION OR RECOMPLETION**

<b>Date of</b>		<b>Production</b>
<b>Number of hours</b>	24	<b>Choke</b>
<b>Was swab used during this</b>	No	<b>Oil produced prior to</b>
<b>PRODUCTION DURING TEST PERIOD:</b>		
<b>Oil</b>		<b>Gas</b>
<b>Gas - Oil</b>	0	<b>Flowing Tubing</b>
<b>Water</b>		
<b>CALCULATED 24-HOUR RATE</b>		
<b>Oil</b>		<b>Gas</b>
<b>Oil Gravity - API - 60.:</b>		<b>Casing</b>
<b>Water</b>		

**CASING RECORD**

<u>Ro</u>	<u>Type of Casing</u>	<u>Casing Size (in.)</u>	<u>Hole Size</u>	<u>Setting Depth</u>	<u>Multi - Stage Tool</u>	<u>Multi - Stage Shoe</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined By</u>
1	Surface	12 1/4	9 5/8	5030	498		C	3180	5723.0	0	Circulated to Surface
2	Intermediate	8 3/4	7	12363			H	790	1702.0	4030	Calculation

**LINER RECORD**

<u>Ro</u>	<u>Liner Size</u>	<u>Hole Size</u>	<u>Liner Top</u>	<u>Liner Bottom</u>	<u>Cement Class</u>	<u>Cement Amoun</u>	<u>Slurry Volume (cu.)</u>	<u>Top of Cement (ft.)</u>	<u>TOC Determined</u>
1	4 1/2	6 1/8	11409	20050	50/50 POZ	790	982.0	1140 9	Calculation

**TUBING RECORD**

<u>Ro</u>	<u>Size (in.)</u>	<u>Depth Size (ft.)</u>	<u>Packer Depth (ft.)/Type</u>
1	2 7/8	11367	11342 / 7" VERSASET HES

**PRODUCING/INJECTION/DISPOSAL INTERVAL**

<u>Ro</u>	<u>Open hole?</u>	<u>From (ft.)</u>	<u>To (ft.)</u>
1	No	L1 12318	19815.0

**ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC.**

<b>Was hydraulic fracturing treatment</b>	No		
<b>Is well equipped with a downhole sleeve?</b>	No		
<b>Production casing test pressure (PSIG) during hydraulic fracturing</b>			
<b>Has the hydraulic fracturing fluid disclosure been</b>	No		
<b>Ro</b>	<b>Type of Operation</b>	<b>Amount and Kind of Material Used</b>	<b>Depth Interval (ft.)</b>

## FORMATION RECORD

<u>Formations</u>	<u>Encountere</u>	<u>Depth TVD</u>	<u>Depth MD</u>	<u>Is formation</u>	<u>Remarks</u>
RUSTLER - POSSIBLE FLOW; POSSIBLE USABLE QUALITY W COLBY-QUEEN	Yes	804.0	804.0	Yes	
YATES	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
QUEEN-SEVEN RIVERS	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
SAN ANDRES - HIGH FLOWS, H2S, CORROSIVE	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
HOLT	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
DELAWARE	Yes	5091.0	5108.0	Yes	
GLORIETA	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
CLEARFORK	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
WICHITA ALBANY	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
BRUSHY CANYON	Yes	7400.0	7418.0	Yes	
CHERRY CANYON	Yes	6104.0	6121.0	Yes	
CANYON	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
BONE SPRINGS	Yes	8779.0	8797.0	Yes	
MONTOYA	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
WADDELL	No			No	FORMATION IS NOT GEOLOGICALLY PRESENT
WOLFCAMP	Yes	11761.0	11811.0	Yes	
ATOKA	No			No	BELOW TD
STRAWN	No			No	BELOW TD
PENNSYLVANIAN	No			No	BELOW TD
MISSISSIPPIAN	No			No	BELOW TD
DEVONIAN	No			No	BELOW TD
SILURIAN	No			No	BELOW TD
FUSSELMAN	No			No	BELOW TD
ELLENBURGER	No			No	BELOW TD
<b>Do the producing interval of this well produce H2S with a concentration in excess of 100 ppm</b>					No
<b>Is the completion being downhole commingled</b>					No

## REMARKS

KOP @ 11503'. DEPTHS PROVIDED ARE REFERENCED AT KB @ 26'. WELL CHANGED FROM POOLED TO PSA. NO WELLBORE CHANGES.

**RRC REMARKS**

**PUBLIC COMMENTS:**

[RRC Staff 2023-05-12 10:45:58.379] EDL=7497 feet, max acres=704, PHANTOM (WOLFCAMP) oil or gas well

**CASING RECORD :**

**TUBING RECORD:**

**PRODUCING/INJECTION/DISPOSAL INTERVAL :**

**ACID, FRACTURE, CEMENT SQUEEZE, CAST IRON BRIDGE PLUG, RETAINER, ETC. :**

**POTENTIAL TEST DATA:**

**OPERATOR'S CERTIFICATION**

<b>Printed</b>	Kayla McConnell	<b>Title:</b>	Regulatory Coordinator
<b>Telephone</b>	(432) 818-2313	<b>Date</b>	05/10/2023

CERTIFICATE OF COMPLIANCE  
AND TRANSPORTATION AUTHORITY

REFER TO INSTRUCTIONS

1. Field name exactly as shown on proration schedule Phantom (Wolfcamp)		2. Lease name as shown on proration schedule UL 20 Spinner A		
3. Current operator name exactly as shown on P-5 Organization Report PDEH LLC		4. Operator P-5 no. 646827	5. Oil Lse/Gas ID no. 57946	6. County Winkler
8. Operator address including city, state, and zip code 600 W. Illinois Midland, TX 79701		9. Well no(s) (see instruction E) 1503H		
10. Classification <input checked="" type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other (see instruction A)			11. Effective Date 08/01/22	

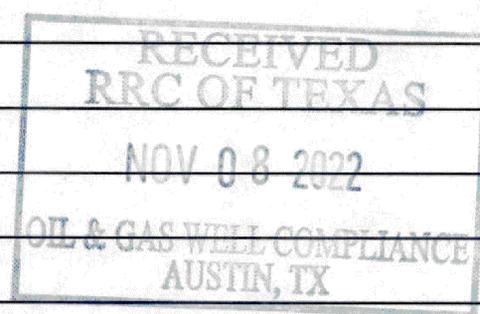
12. Purpose of Filing. (See instructions B and G)

a. Change of:  operator  oil or condensate gatherer  gas gatherer  gas purchaser  gas purchaser system code  
 field name from: \_\_\_\_\_ Docket #: \_\_\_\_\_  
 lease name from: UNIVERSITY 20 PW UNIT 1503H

b. New RRC Number for:  oil lease  gas well  other well (specify) \_\_\_\_\_ Due to:  new completion or recompletion  reclass oil to gas  reclass gas to oil  
 consolidation  unitization  subdivision (oil lease only)  
 field transfer

13. Authorized GAS WELL GAS or CASINGHEAD GAS Gatherer(s) and/or Purchaser(s). (See instruction G).

Gatherer	Purchaser	Name of GAS WELL GAS or CASINGHEAD GAS Gatherer(s) or Purchaser(s) As Indicated in Columns to the Left (Attach an additional sheet in same format if more space is needed)	Purchaser's RRC Assigned System Code	Percent of Take	Full-well Stream
X	X	Brazos Midstream Operating (089903)	0001	100	



14. Authorized OIL or CONDENSATE Gatherer(s). (See instruction G).

Name of OIL or CONDENSATE Gatherer(s) - List Highest Volume Gatherer First (Attach an additional sheet in same format if more space is needed)	Percent of Take	RRC USE ONLY
Plains Marketing L.P. (667883)	100	Reviewer's initials: <i>[Signature]</i> Approval date: <i>[Signature]</i>

15. PREVIOUS OPERATOR CERTIFICATION FOR CHANGE OF OPERATOR P-4 FILING. Being the PREVIOUS OPERATOR, I certify that operating responsibility for the well(s) designated in this filing, located on the subject lease has been transferred in its entirety to the above named Current Operator. I understand, as Previous Operator, that designation of the above named operator as Current Operator is not effective until this certificate is approved by the Commission.

Name of Previous Operator \_\_\_\_\_ Signature \_\_\_\_\_  
 Authorized Employee of previous operator  Authorized agent of previous operator (see instruction G)  
Name (print) \_\_\_\_\_  
Title \_\_\_\_\_ Date \_\_\_\_\_ Phone with area code \_\_\_\_\_

16. CURRENT OPERATOR CERTIFICATION. By signing this certificate as the Current Operator, I certify that all statements on this form are true and correct and I acknowledge responsibility for the regulatory compliance of the subject lease including plugging of well(s) pursuant to Rule 14. I further acknowledge that I assume responsibility for the physical operation, control, and proper plugging of each well designated in this filing. I also acknowledge that I will remain designated as the Current Operator until a new certificate designating a new Current Operator is approved by the Commission.

Chasity Jackson \_\_\_\_\_ Signature Chasity Jackson \_\_\_\_\_  
Name (print) \_\_\_\_\_  
Sr. Regulatory Coordinator \_\_\_\_\_  Authorized Employee of current operator  Authorized agent of current operator (see instruction G)  
Title \_\_\_\_\_  
Chasity.Jackson@conocophillips.com \_\_\_\_\_ Date 7/20/2022 Phone with area code 432-686-3087  
E-mail Address (optional) \_\_\_\_\_

**REQUEST FOR PERMISSION TO SUBDIVIDE OR  
 CONSOLIDATE OIL LEASE(S)**

**P-6**

5/02  
 WWW-1

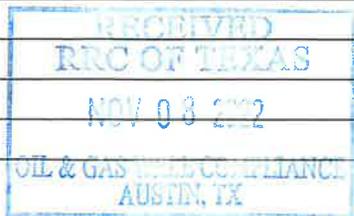
*READ INSTRUCTIONS ON BACK*

1. Receiving Operator name, exactly as shown on P-5 Organization Report	2. Operator P-5 no.	3. RRC district no.	5. Purpose of Filing:  <input type="checkbox"/> Consolidation <input type="checkbox"/> Subdivision	
		4. County		
6. Operator address including city, state, and zip code		7. Field name exactly as shown on proration schedule		
8. Are any of the leases being subdivided or consolidated currently overproduced or in violation of statewide rules? (check one) <input type="checkbox"/> No <input type="checkbox"/> Yes				
<b>9. Lease to be subdivided or leases to be consolidated. List lease names and well numbers exactly as listed on current Commission Oil Proration Schedule.</b>				
LEASE NAME	LEASE NUMBER	LEASE ACRES	WELL NUMBERS (e.g.: 1, 2, 3-U, 3-L, 4, etc.)	
(1)				
(2)				
(3)				
<b>10. Lease(s) resulting from subdivision or after consolidation (how the leases/wells are to be listed on the Commission Oil Proration Schedule). For well number changes, give both old and new number; if there is no well number change, show the number under "old".</b>				
LEASE NAME	LEASE NUMBER	LEASE ACRES	WELL NUMBERS	API NUMBER 42-
			Old      New	
(1)				
(2)				
(3)				
11. Is the ownership, working interest, and the royalty interest for all leases listed in Items 9 or 10 identical? (check one) <input type="checkbox"/> No <input type="checkbox"/> Yes (See instruction D)				
12. Is the acreage listed for the resulting leases in Item 10 contiguous? (Check one) <input type="checkbox"/> No <input type="checkbox"/> Yes (See instruction F)				<b>RRC USE ONLY</b>
<b>OPERATOR CERTIFICATION:</b> I certify that I am authorized to make this request, that it was prepared by me or under my supervision and direction, and that the data and facts stated herein are true, correct, and complete to the best of my knowledge.				Reviewer's initials: _____
Signature _____				Approval date: _____
Date _____				
Name (print or type) _____				
Title _____				
Phone number (with area code) _____				
E-mail address (optional) _____				

**REQUEST FOR PERMISSION TO SUBDIVIDE OR  
 CONSOLIDATE OIL LEASE(S)**

**P-6**  
 5/02

10. Lease(s) resulting from subdivision or after consolidation (how the leases/wells are to be listed on the Commission Oil Proration Schedule). For well number changes, give both old and new number; if there is no well number change, show the number under "old".					
LEASE NAME	LEASE NUMBER	LEASE ACRES	WELL NUMBERS		API NUMBER 42-
			Old	New	
<i>(1) * Indicates PSA well after P-6/W-2 approval..</i>					
UL 20 N Twitch	57934	640.7	0403H		301-32740
UL 20 N Paddle Tail	57935	640.7	0503H		301-31794
UL 20 S Bucktail	57938	640.7	1001H		495-33544
*UL Popper A	57940	300	1002H		495-33891
*UL 20 Popper B	57941	300	1003H		495-33892
*UL 20 Bucktail A1	57942	80	1005H		495-33889
*UL 20 Bucktail A	57943	320	1007H		495-33890
*UL 20 Bucktail C	57944	320	1009H		495-34399
*UL 20 Bucktail D	57945	260.7	1010H		495-34404
*UL Spinner A	57946	200.875	1503H		495-33705
UL 20 SW Topwater	57947	320.35	1803H		301-32609
UL 20 N Gold Spoon	57949	640.7	2002H		301-31788
*UL 20 N Gold Spoon A	57950	640.7	2003ST	2003H	301-32937
*UL 20 N Gold Spoon B	57954	640.7	2004H		301-32938
*UL 20 S Chatter A	57955	319	2701H		495-34175
*UL 20 S Chatter C	57956	319	2703H		495-34174
*UL 20 N Chatter A	57957	309	2704H		495-34170
*UL 20 N Chatter C	57958	314.7	2706H		495-34169
*UL 20 Rat Tail B	57959	200.225	2708H		495-34454
*UL 20 Silver Spoon A	57960	160	3902H		495-34004
*UL 20 Silver Spoon B	57961	160	3903H		495-33993
*UL 20 Silver Spoon C	57962	160	3904H		495-34006
*UL 20 Silver Spoon D	57963	160	3905H		495-33994
*UL 20 Silver Spoon E	57964	160	3906H		495-34449
*UL 20 Silver Spoon G	57965	140	3908H		495-34448
*UL 20 Silver Spoon H	57966	80	3909H		495-34550
*UL 20 Silver Spoon J	57967	60	3910H		495-34551
*UL 20 Silver Spoon I	57968	161.4	3911H		495-34571







OPERATOR: PDEH LLC

AS-DRILLED LOCATION

LEASE NAME & WELL NO.:

UL 20 SPINNER A 1503H  
API #: 4249533705

PSA ACREAGE:

1,441.575 ACRES (CALLED)

NEAREST TOWN IN COUNTY:

±9.5 MILES SOUTHWEST OF WINK, TEXAS

DESCRIPTION:

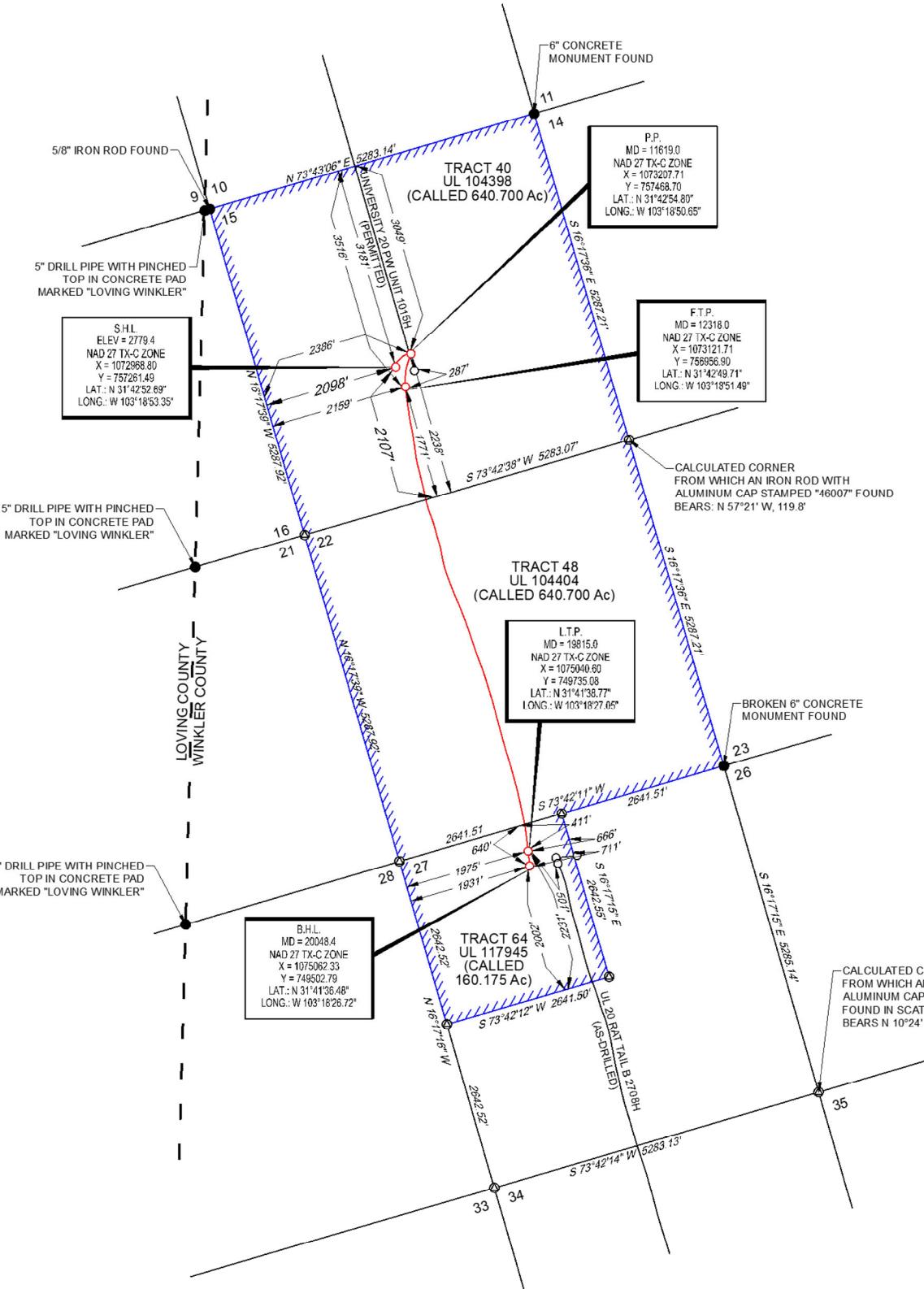
S.H.L./P.P./F.T.P.: SECTION 15, BLOCK 20, UNIVERSITY LAND SURVEY

L.T.P./B.H.L.: SECTION 27, BLOCK 20, UNIVERSITY LAND SURVEY

WINKLER COUNTY, TEXAS



SCALE: 1" = 2000'  
0' 1000' 2000'



TIES TABLE

POINT	PSA	SURVEY/SECTION
S.H.L.	3181' FNWL	2098' FSWL & 2107' FSEL
	2098' FSWL	2107' FSEL
P.P.	3049' FNWL	2386' FSWL & 2238' FSEL
	2386' FSWL	2238' FSEL
F.T.P.	3516' FNWL	2159' FSWL & 1771' FSEL
	2159' FSWL	1771' FSEL
L.T.P.	666' FSEL	411' FNWL & 2231' FSEL
	2231' FSEL	1975' FSWL
B.H.L.	711' FNWL	640' FNWL & 2002' FSEL
		1931' FSWL

PRODUCTIVE LATERAL

LENGTH (F.T.P TO L.T.P.)	
1	1,783.29'
2	5,297.52'
2	416.19'
TOTAL	7,497.00'

LEGEND:

- PSA Boundary
- Approximate County Line
- Survey/Section Line
- As-Drilled Well Path
- Existing/Permitted Well Path
- Monument Found
- Calculated Corner
- Well Point



Jeffrey N. Lueders, R.P.L.S. No. 6512

**TOPOGRAPHIC**  
LOYALTY INNOVATION LEGACY  
1400 EVERMAN PARKWAY, Ste. 146 FT. WORTH, TEXAS 76140  
TELEPHONE: (817) 744-7512 FAX: (817) 744-7554  
TEXAS FIRM REGISTRATION NO. 10042504  
WWW.TOPOGRAPHIC.COM

UL 20 SPINNER A 1503H AS-DRILLED	REVISION:	
	A.C.L.	07/19/2022
	O.M.	04/20/2023
	O.M.	05/01/2023
DATE:	11/18/2016	
FILE:	AD_UL20_SPINNER A 1503H_REV3_PDEH	
DRAWN BY:	MML	
SHEET:	1 OF 1	

NOTES:

- ORIGINAL DOCUMENT SIZE: 11" X 17"
- ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 1927, UNLESS OTHERWISE NOTED.
- THIS LOCATION AND/OR UNIT/LEASE BOUNDARY HAS BEEN CAREFULLY SURVEYED ON THE GROUND UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE ACCORDING TO THE EVIDENCE, OFFICIAL SURVEY RECORDS, MAPS, AND OTHER DATA PROVIDED BY PERMIAN DELAWARE ENTERPRISES HOLDINGS, LLC. THIS PLAT WAS CREATED FOR THE SOLE PURPOSE OF FILING A PERMIT WITH THE RAILROAD COMMISSION OF TEXAS AND SHOULD NOT BE CONSTRUED AS A "BOUNDARY SURVEY" IN COMPLIANCE WITH T.B.P.L.S. MINIMUM STANDARDS OF PROCEDURES FOR BOUNDARY SURVEYS. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.
- ALL ELEVATION VALUES CONTAINED HEREON ARE ORTHOMETRIC ONLY, BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), U.S. SURVEY FEET.
- ALL MINERAL OWNERSHIP DATA SHOWN HEREIN IS BASED ON INFORMATION PROVIDED BY PERMIAN DELAWARE ENTERPRISES HOLDINGS, LLC OR ITS SUBSIDIARIES & AFFILIATES.

NOTES CONT'D:

- THE AS-DRILLED SURFACE LOCATION HAS BEEN CAREFULLY SURVEYED ON THE GROUND DURING THE DATE OF APRIL 2, 2016.
- THE SUBSURFACE WELL PATH DATA SHOWN HEREIN IS BASED ON INFORMATION PROVIDED BY PERMIAN DELAWARE ENTERPRISES HOLDINGS, LLC OR ITS SUBSIDIARIES & AFFILIATES.
- S.H.L. = SURFACE HOLE LOCATION
- P.P. = POINT OF PENETRATION
- F.T.P. = FIRST TAKE POINT
- L.T.P. = LAST TAKE POINT
- B.H.L. = BOTTOM HOLE LOCATION