

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF PERMIAN RESOURCES
OPERATING, LLC FOR COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.**

CASE NO. 23531

EXHIBIT INDEX

Compulsory Pooling Checklist

Exhibit A	Self-Affirmed Statement of Travis Macha
A-1	Application & Proposed Notice of Hearing
A-2	C-102s
A-3	Plat of Tracts, Tract Ownership, Applicable Lease Numbers, Unit Recapitulation, and Pooled Parties
A-4	Sample Well Proposal Letter & AFEs
A-5	Chronology of Contact
Exhibit B	Self-Affirmed Statement of Ira Bradford
B-1	Regional Locator Map
B-2	Cross-Section Location Map of the Woody 22 Federal Com #503H, #504H, and #505H wells
B-3	Second Bone Spring Subsea Structure Map
B-4	Stratigraphic Cross-Section
B-5	Gun Barrel Diagram
Exhibit C	Self-Affirmed Statement of Dana S. Hardy
C-1	Sample Notice Letter to All Interested Parties
C-2	Chart of Notice to All Interested Parties
C-3	Copies of Certified Mail Receipts and Returns
C-4	Affidavit of Publication from May 10, 2023

COMPULSORY POOLING APPLICATION CHECKLIST**ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS**

Case: 23531	APPLICANT'S RESPONSE
Date	June 1, 2023
Applicant	Permian Resources Operating, LLC
Designated Operator & OGRID (affiliation if applicable)	OGRID No. 372165
Applicant's Counsel:	Hinkle Shanor LLP
Case Title:	Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico
Entries of Appearance/Intervenors:	None
Well Family	Woody
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Bone Spring
Pool Name and Pool Code:	Featherstone; Bone Spring Pool (Code 24250)
Well Location Setback Rules:	Statewide
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	480-acres
Building Blocks:	quarter-quarter
Orientation:	South/North
Description: TRS/County	E/2 of Section 15 and the NE/4 of Section 22, Township 20 South, Range 35 East, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe <u>and is approval of non-standard unit requested in this application?</u>	Yes
Other Situations	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	Yes. The completed interval of the Woody 22 Federal Com #504H well will be located within 330' of the quarter-quarter section line separating the E/2 E/2 and W/2 E/2 of Sections 15 and 22 to allow for the creation of a 480-acre standard horizontal spacing unit.
Proximity Defining Well: if yes, description	Woody 22 Federal Com #504H
Applicant's Ownership in Each Tract	Exhibit A-3
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	Woody 22 Federal Com #503H (API # ---) SHL: 2142' FSL & 1289' FEL (Unit I), Section 22, T20S, R35E BHL: 100' FNL & 2310' FEL (Unit B), Section 15, T20S, R35E Completion Target: Second Bone Spring (Approx.10,290' TVD)

Well #2	Woody 22 Federal Com #504H (API # ---) SHL: 2142' FSL & 1254' FEL (Unit I), Section 22, T20S, R35E BHL: 100' FNL & 1320' FEL (Unit A), Section 15, T20S, R35E Completion Target: Second Bone Spring (Approx.10,540' TVD)
Well #3	Woody 22 Federal Com #505H (API # ---) SHL: 2142' FSL & 1219' FEL (Unit I), Section 22, T20S, R35E BHL: 100' FNL & 330' FEL (Unit A), Section 15, T20S, R35E Completion Target: Second Bone Spring (Approx.10,220' TVD)
Horizontal Well First and Last Take Points	Exhibit A-2
Completion Target (Formation, TVD and MD)	Exhibit A-4
AFE Capex and Operating Costs	
Drilling Supervision/Month \$	\$8,000.00
Production Supervision/Month \$	\$800.00
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C-1, Exhibit C-2, Exhibit C-3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit C-4
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-3
Tract List (including lease numbers and owners)	Exhibit A-3
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	N/A
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	N/A
Joinder	
Sample Copy of Proposal Letter	Exhibit A-4
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-3
Chronology of Contact with Non-Joined Working Interests	Exhibit A-5
Overhead Rates In Proposal Letter	Exhibit A-4
Cost Estimate to Drill and Complete	Exhibit A-4
Cost Estimate to Equip Well	Exhibit A-4
Cost Estimate for Production Facilities	Exhibit A-4
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-1
Gunbarrel/Lateral Trajectory Schematic	Exhibit B-5
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-2
Depth Severance Discussion	N/A

Forms, Figures and Tables	
C-102	Exhibit A-2
Tracts	Exhibit A-3
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-3
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit B-2
Structure Contour Map - Subsea Depth	Exhibit B-3
Cross Section Location Map (including wells)	Exhibit B-4
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	/s/ Dana S. Hardy
Date:	5/26/2023

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF PERMIAN RESOURCES
OPERATING, LLC FOR COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.**

CASE NO. 23531

**SELF-AFFIRMED STATEMENT
OF TRAVIS MACHA**

1. I am a Senior Landman at Permian Resources Operating, LLC (“Permian Resources”) and am over 18 years of age. I have personal knowledge of the matters addressed herein and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division (“Division”) and my credentials as an expert in petroleum land matters were accepted and made a matter of record.

2. I am familiar with the land matters involved in the above-referenced case. Copies of Permian Resources’ application and proposed hearing notice are attached as **Exhibit A-1**.

3. None of the parties proposed to be pooled in this case indicated opposition to this matter proceeding by affidavit; therefore I do not expect any opposition at hearing.

4. Permian Resources seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a 480-acre, more or less, standard horizontal spacing unit comprised of the E/2 of Section 15 and the NE/4 of Section 22, Township 20 South, Range 35 East, Lea County, New Mexico (“Unit”).

5. The Unit will be dedicated to the following wells (“Wells”), which will be completed in the Featherstone; Bone Spring Pool (Code 24250).

- a. **Woody 22 Federal Com #503H** well, to be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 22 to a bottom hole location in the NW/4 NE/4 (Unit B) of Section 15;

**Permian Resources Operating, LLC
Case No. 23531
Exhibit A**

- b. **Woody 22 Federal Com #504H** well, to be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 22 to a bottom hole location in the NE/4 NE/4 (Unit A) of Section 15; and
 - c. **Woody 22 Federal Com #505H** well, to be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 22 to a bottom hole location in the NE/4 NE/4 (Unit A) of Section 15.
6. The completed interval of the Wells will be orthodox.
 7. The completed interval of the Woody 22 Federal Com #504H well will be located within 330' of the quarter-quarter section line separating the E/2 E/2 and W/2 E/2 of Sections 15 and 22 to allow for the creation of a 480-acre standard horizontal spacing unit.
 8. **Exhibit A-2** contains the C-102 for the Wells.
 9. **Exhibit A-3** contains a plat identifying ownership by tract in the Unit. This exhibit also includes any applicable lease numbers, a unit recapitulation, and the interests Permian Resources seeks to pool highlighted in yellow. All of the parties are locatable in that Permian Resources believes it located valid addresses for them.
 10. Permian Resources has conducted a diligent search of all county public records, including phone directories and computer databases, as well as internet searches using the idiCORE subscription service, to locate the interest owners it seeks to pool.
 11. **Exhibit A-4** contains a sample well proposal letter and AFE sent to working interest owners for the Wells. The estimated costs reflected on the AFE are fair and reasonable and comparable to the cost of other wells of similar depth and length drilled in the subject formation in the area.

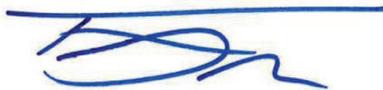
12. In my opinion, Permian Resources made a good-faith effort to reach voluntary joinder of uncommitted interests in the Wells as indicated by the chronology of contact described in **Exhibit A-5**.

13. Permian Resources requests overhead and administrative rates of \$8,000 per month while the Wells are being drilled and \$800 per month while the Wells are producing. These rates are fair and are comparable to the rates charged by Permian Resources and other operators in the vicinity.

14. The attached exhibits were either prepared by me or under my supervision or were compiled from company business records.

15. In my opinion, the granting of Permian Resources' application would serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

16. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date next to my electronic signature below.



Travis Macha

5/18/2023

Date

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF PERMIAN RESOURCES
OPERATING, LLC FOR COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.**

CASE NO. 23531

APPLICATION

Pursuant to NMSA § 70-2-17, Permian Resources Operating, LLC (OGRID No. 372165) (“Applicant”) applies for an order pooling all uncommitted interests in the Bone Spring formation underlying a 480-acre, more or less, standard horizontal spacing unit comprised of the E/2 of Section 15 and the NE/4 of Section 22, Township 20 South, Range 35 East, Lea County, New Mexico (“Unit”). In support of its application, Applicant states the following:

1. Applicant is a working interest owner in the Unit and has the right to drill wells thereon.
2. The Unit will be dedicated to the following wells (“Wells”):
 - a. **Woody 22 Federal Com #503H** well, to be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 22 to a bottom hole location in the NW/4 NE/4 (Unit B) of Section 15;
 - b. **Woody 22 Federal Com #504H** well, to be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 22 to a bottom hole location in the NE/4 NE/4 (Unit A) of Section 15; and
 - c. **Woody 22 Federal Com #505H** well, to be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 22 to a bottom hole location in the NE/4 NE/4 (Unit A) of Section 15.
3. The completed intervals of the Wells will be orthodox.

**Permian Resources Operating, LLC
Case No. 23531
Exhibit A-1**

4. The completed interval of the Woody 22 Federal Com #504H well will be located within 330' of the quarter-quarter section line separating the E/2 E/2 and W/2 E/2 of Sections 15 and 22 to allow for the creation of a 480-acre standard horizontal spacing unit.

5. Applicant has undertaken diligent, good faith efforts to obtain voluntary agreements from all interest owners to participate in the drilling of the Wells but has been unable to obtain voluntary agreements from all interest owners.

6. The pooling of uncommitted interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

7. In order to allow Applicant to obtain its just and fair share of the oil and gas underlying the subject lands, all uncommitted interests in the Unit should be pooled and Applicant should be designated the operator of the Wells and the Unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on June 1, 2023, and, after notice and hearing as required by law, the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving the Wells in the Unit;
- C. Designating Applicant as the operator of the Unit and the Wells to be drilled thereon;
- D. Authorizing Applicant to recover its costs of drilling, equipping, and completing the Wells;
- E. Approving the actual operating charges and costs of supervision while drilling and after completion, together with a provision adjusting the rates pursuant to the COPAS accounting procedures; and

- F. Imposing a 200% charge for the risk assumed by Applicant in drilling and completing the Wells against any working interest owner who does not voluntarily participate in the drilling of the Wells.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

Jaclyn M. McLean

Yarithza Peña

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

dhardy@hinklelawfirm.com

jmclean@hinklelawfirm.com

ypena@hinklelawfirm.com

*Counsel for Permian Resources Operating,
LLC*

Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico. Applicant seeks an order pooling all uncommitted interests in the Bone Spring formation underlying a 480-acre, more or less, standard horizontal spacing unit comprised of the E/2 of Section 15 and the NE/4 of Section 22, Township 20 South, Range 35 East, Lea County, New Mexico ("Unit"). The Unit will be dedicated to the following wells ("Wells"): the **Woody 22 Federal Com #503H**, to be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 22 to a bottom hole location in the NW4 NE/4 (Unit B) of Section 15; and the **Woody 22 Federal Com #504H** and **Woody 22 Federal Com #505H**, to be drilled from surface hole locations in the NE/4 SE/4 (Unit I) of Section 22 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 15. The completed intervals of the Wells will be orthodox. The completed interval of the Woody 22 Federal Com #504H well will be located within 330' of the quarter-quarter section line separating the E/2 E/2 and W/2 E/2 of Sections 15 and 22 to allow for the creation of a 480-acre standard horizontal spacing unit. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the cost, the designation of Applicant as the operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 20.70 miles Southwest of Hobbs, New Mexico.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 24250		³ Pool Name Featherstone; Bone Spring Pool	
⁴ Property Code		⁵ Property Name WOODY 22 FED COM		⁶ Well Number 503H	
⁷ OGRID No. 372165		⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC		⁹ Elevation 3688.8'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	22	20S	35E		2142	SOUTH	1289	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	15	20S	35E		100	NORTH	2310	EAST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°33'26.26" (32.557296°)	
LONGITUDE = 103°26'26.57" (103.440714°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 567627.76' X: 816356.95'	
UTM, NAD 83 (ZONE 13)	
Y: 11821769.63' X: 2120706.99'	

NAD 83 (PP/FTP)	
LATITUDE = 32°33'32.21" (32.558947°)	
LONGITUDE = 103°26'38.49" (103.444024°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 568219.88' X: 815331.83'	
UTM, NAD 83 (ZONE 13)	
Y: 11822355.24' X: 2119678.33'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°34'48.71" (32.580197°)	
LONGITUDE = 103°26'38.42" (103.444006°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 575951.27' X: 815272.77'	
UTM, NAD 83 (ZONE 13)	
Y: 11830085.10' X: 2119570.83'	

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N59°44'48"W	1184.02'

SCALE
DRAWN BY: D.J.S. 12-07-20
REV: 1 S.T.O. 10-01-21 (NAME & WELL BORE CHANGE)

- = SURFACE HOLE LOCATION
- ◆ = PENETRATION POINT/ FIRST TAKE POINT
- = LAST TAKE POINT/ BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED

NOTE:
• Distances referenced on plat to section lines are perpendicular.
• Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

November 20, 2020

Date of Survey _____
Signature and Seal of Professional Surveyor: _____

Certificate Number: _____

Permian Resources Operating, LLC
Case No. 23531
Exhibit A-2

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 24250		³ Pool Name Featherstone; Bone Spring Pool	
⁴ Property Code		⁵ Property Name WOODY 22 FED COM		⁶ Well Number 504H	
⁷ OGRID No. 372165		⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC		⁹ Elevation 3688.7'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	22	20S	35E		2142	SOUTH	1254	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	20S	35E		100	NORTH	1320	EAST	LEA

¹² Dedicated Acres 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°33'26.26" (32.557296°)	
LONGITUDE = 103°26'26.16" (103.440600°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 567628.05' X: 816391.94'	
UTM, NAD 83 (ZONE 13)	
Y: 11821770.14' X: 2120741.98'	

NAD 83 (PP/FTP)	
LATITUDE = 32°33'32.20" (32.558944°)	
LONGITUDE = 103°26'26.92" (103.440812°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 568227.36' X: 816321.65'	
UTM, NAD 83 (ZONE 13)	
Y: 11822368.92' X: 2120667.95'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°34'48.69" (32.580191°)	
LONGITUDE = 103°26'26.86" (103.440793°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 575957.25' X: 816262.59'	
UTM, NAD 83 (ZONE 13)	
Y: 11830097.28' X: 2120560.47'	

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N06°26'50"W	603.52'
L2	S89°53'46"W	2653.33'

SCALE
DRAWN BY: D.J.S. 12-07-20
REV: 1 S.T.O. 10-01-21 (NAME & WELL BORE CHANGE)

- = SURFACE HOLE LOCATION
- ◆ = PENETRATION POINT/ FIRST TAKE POINT
- = LAST TAKE POINT/ BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED

NOTE:
• Distances referenced on plat to section lines are perpendicular.
• Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

November 20, 2020

Date of Survey _____
Signature and Seal of Professional Surveyor: _____

Certificate Number: _____

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State of New Mexico
Energy, Minerals & Natural Resources Department
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1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number		² Pool Code 24250		³ Pool Name Featherstone; Bone Spring Pool	
⁴ Property Code		⁵ Property Name WOODY 22 FED COM		⁶ Well Number 505H	
⁷ OGRID No. 372165		⁸ Operator Name CENTENNIAL RESOURCE PRODUCTION, LLC		⁹ Elevation 3688.3'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	22	20S	35E		2142	SOUTH	1219	EAST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	15	20S	35E		100	NORTH	330	EAST	LEA
¹² Dedicated Acres 480		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶

NAD 83 (SURFACE HOLE LOCATION)	
LATITUDE = 32°33'26.26" (32.557296°)	
LONGITUDE = 103°26'25.75" (103.440487°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 567628.34' X: 816426.94'	
UTM, NAD 83 (ZONE 13)	
Y: 11821770.65' X: 2120776.97'	

NAD 83 (PP/FTP)	
LATITUDE = 32°33'32.19" (32.558942°)	
LONGITUDE = 103°26'15.36" (103.437599°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 568234.85' X: 817311.47'	
UTM, NAD 83 (ZONE 13)	
Y: 11822382.61' X: 2121657.57'	

NAD 83 (LTP/BHL)	
LATITUDE = 32°34'48.66" (32.580184°)	
LONGITUDE = 103°26'15.29" (103.437580°)	
STATE PLANE NAD 83 (N.M. EAST)	
Y: 575963.23' X: 817252.42'	
UTM, NAD 83 (ZONE 13)	
Y: 11830109.46' X: 2121550.11'	

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N55°48'16"E	1072.66'

SCALE
DRAWN BY: D.J.S. 12-07-20
REV: 1 S.T.O. 10-01-21 (NAME CHANGE)

- = SURFACE HOLE LOCATION
- ◆ = PENETRATION POINT/ FIRST TAKE POINT
- = LAST TAKE POINT/ BOTTOM HOLE LOCATION
- ▲ = SECTION CORNER LOCATED

NOTE:

- Distances referenced on plat to section lines are perpendicular.
- Basis of Bearings is a Transverse Mercator Projection with a Central Meridian of W103°53'00" (NAD 83)

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

¹⁸ SURVEYOR CERTIFICATION

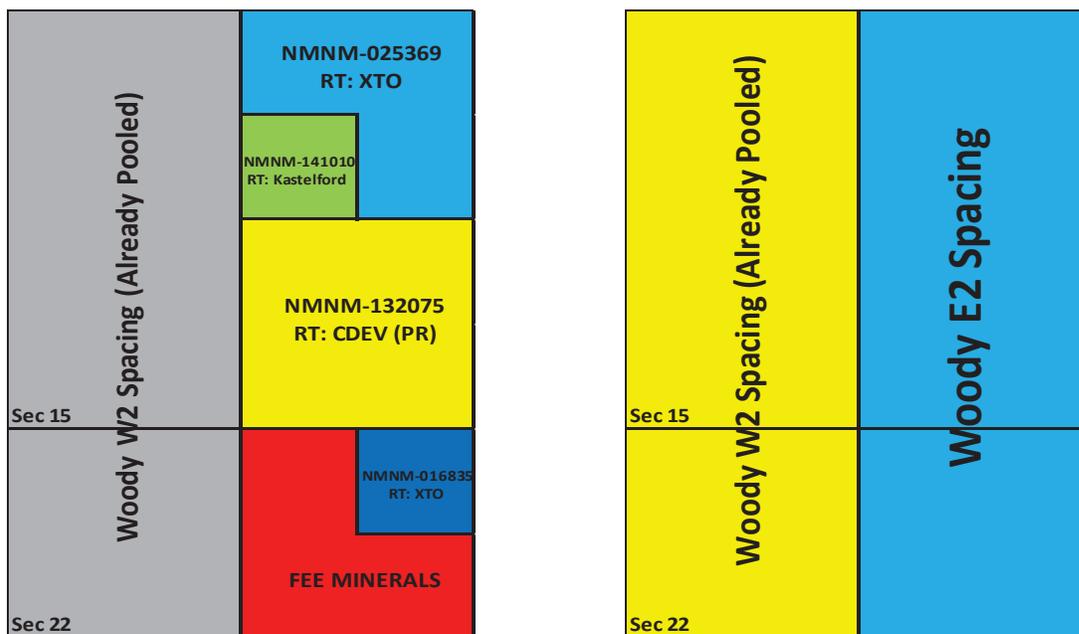
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

November 20, 2020

Date of Survey _____
Signature and Seal of Professional Surveyor: _____

Certificate Number: _____

Land Exhibit: Wombat Fed Com 503H, 504H, 505H
Section 22: NE/4, Section 15: E/2, T20S-R35E, Lea Co., NM



Owner	Pooling?	Documents Sent			Notes
		Proposal	JOA	Com Agmt	
Permian Resources Operating, LLC	N/A	N/A	N/A	N/A	
Devon Energy Production Co., LP	Y	Y	Y	Y	
Kastelford Land Company, LLC	N	Y	Y	Y	Executed all docs
Occidental Permian, Ltd.	Y	Y	Y	Y	
XTO Holdings, LLC	Y	Y	Y	Y	

Owner	Leasehold Ownership (Bone Spring Formation)					
	Section 15: SWNE	Section 15: N2NE, SENE	Section 15: SE	Section 22: W2NE	Section 22: SENE	Section 22: NENE
Permian Resources Operating, LLC	0.000000%	100.000000%	100.000000%	0.000000%	0.000000%	0.000000%
Devon Energy Production Co., LP	0.000000%	0.000000%	0.000000%	0.000000%	100.000000%	50.000000%
Kastelford Land Company, LLC	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
Occidental Permian, Ltd.	0.000000%	0.000000%	0.000000%	100.000000%	0.000000%	0.000000%
XTO Holdings, LLC	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	50.000000%

Owner	Leasehold Ownership (Bone Spring Formation) - Contractual (Via 1979 JOA)					
	Section 15: SWNE	Section 15: N2NE, SENE	Section 15: SE	Section 22: W2NE	Section 22: SENE	Section 22: NENE
Permian Resources Operating, LLC	0.000000%	39.040000%	100.000000%	38.943750%	38.943750%	19.471875%
Devon Energy Production Co., LP	0.000000%	0.000000%	0.000000%	61.056250%	61.056250%	30.528125%
Kastelford Land Company, LLC	100.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
Occidental Permian, Ltd.	0.000000%	60.960000%	0.000000%	0.000000%	0.000000%	0.000000%
XTO Holdings, LLC	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	50.000000%

Unit Capitation	
Owner	WI
Permian Resources Operating, LLC	54.4519280%
Devon Energy Production Co., LP	17.8080730%
Kastelford Land Company, LLC	8.3333333%
Occidental Permian, Ltd.	15.2400000%
XTO Holdings, LLC	4.1666667%

*Parties seeking to be pooled are highlighted in yellow.

Permian Resources Operating, LLC
Case No. 23531
Exhibit A-3



300 N. MARIENFELD STREET, SUITE 1000
MIDLAND, TX 79701

OFFICE 432.695.4222
FAX 432.695.4063

March 14, 2023

Via Certified Mail

Occidental Permian Ltd.
5 Greenwood Plaza, Suite 110
Houston, TX 77046

RE: Woody 22 Federal Com – Well Proposals
Section 15: E/2, Section 22: NE/4, T20S-R35E,
Lea County, New Mexico

To Whom It May Concern:

Permian Resources Operating, LLC (“Permian”), hereby proposes the drilling and completion of the following three (3) wells, the Woody 22 Federal Com wells at the following approximate location within Township 20 South, Range 35East:

1. Woody 22 Federal Com #503H

SHL: 2,142’ FSL & 1,289’ FEL of Section 22 (or at a legal location in Unit I)
BHL: 100’ FNL & 2,126’ FEL of Section 15
FTP: 2,544’ FNL & 2,126’ FEL of Section 22
BHL: 100’ FNL & 2,126’ FEL of Section 15
TVD: Approximately 10,290’
Proration Unit: Section 15: E/2, Section 22: NE/4, T20S-R35E
Defining Well: Woody 22 Federal Com #504H
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE

2. Woody 22 Federal Com #504H

SHL: 2,142’ FSL & 1,254’ FEL of Section 22 (or at a legal location in Unit I)
BHL: 100’ FNL & 1,228’ FEL of Section 15
FTP: 2,544’ FNL & 1,228’ FEL of Section 22
LTP: 100’ FNL & 1,228’ FEL of Section 15
TVD: Approximately 10,540’
Proration Unit: Section 15: E/2, Section 22: NE/4, T20S-R35E
Defining Well: Woody 22 Federal Com #504H
Total Cost: See attached AFE

3. Woody 22 Federal Com #505H

SHL: 2,142’ FSL & 1,219’ FEL of Section 22 (or at a legal location in Unit I)
BHL: 100’ FNL & 330’ FEL of Section 15
FTP: 2,544’ FNL & 330’ FEL of Section 22
LTP: 100’ FNL & 330’ FEL of Section 15
TVD: Approximately 10,220’
Proration Unit: Section 15: E/2, Section 22: NE/4, T20S-R35E
Defining Well: Woody 22 Federal Com #504H
Total Cost: See attached AFE

Permian Resources Operating, LLC
Case No. 23531
Exhibit A-4

The locations, TVDs, and targets are approximate and subject to change dependent on surface or subsurface issues encountered. These locations do fall within an approved potash drill island, so any surface changes remain subject to BLM approval. Permian is proposing to drill these wells under the modified terms of the 1989 AAPL Operating Agreement and a form of said Operating Agreement is enclosed. The Operating Agreement has the following general provisions:

- 100%/300%/300% non-consent provisions
- \$8,000/\$800 drilling and producing rates
- Permian Resources Operating, LLC named as Operator

Please indicate your election to participate in the drilling and completion of the proposed wells in the space provided below. Please sign and return one copy of this letter, a signed copy of the proposed AFE, and your geologic well requirements.

In the interest of time, should we not reach an agreement within thirty (30) days of the date of your receipt of this letter, Permian will apply to the New Mexico Oil Conservation Division for compulsory pooling of your interest into a spacing unit for the proposed well. If you do not wish to participate, Permian would be interested in acquiring your interest in the subject lands which is subject to further mutually agreeable negotiation.

Thank you for your time and consideration, if you have any questions at all, please don't hesitate to contact me at 432.400.1037 or by email at travis.macha@permianres.com

Respectfully,



Travis Macha
Senior Landman

Enclosures

Elections on page to follow.

Woody 22 Federal Com Elections:

Well Elections: <i>(Please indicate your responses in the spaces below)</i>		
Well(s)	Elect to Participate	Elect to <u>NOT</u> Participate
Woody 22 Federal Com 503H		
Woody 22 Federal Com 504H		
Woody 22 Federal Com 505H		

Company Name (If Applicable):

By: _____

Printed Name: _____

Date: _____

Permian Resources Operating, LLC

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701

Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023	AFE NO.:	1
WELL NAME:	Woody Federal Com 503H	FIELD:	Featherstone; Bone Spring
LOCATION:	Section 22, T20S-R35E	TVD:	10,290'
COUNTY/STATE:	Lea County, New Mexico	LATERAL LENGTH:	7,500'
Permian WI:		DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG	COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal SBSG well and complete with 44 stages. AFE includes drilling, completions, flowback and Initial AL install cost		

	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
INTANGIBLE COSTS				
1 Land / Legal / Regulatory	\$ 50,546	-	-	\$ 50,546
2 Location, Surveys & Damages	246,528	15,461	-	261,989
4 Freight / Transportation	40,758	37,464	18,600	96,822
5 Rental - Surface Equipment	106,394	184,346	88,350	379,090
6 Rental - Downhole Equipment	175,794	51,179	-	226,973
7 Rental - Living Quarters	41,147	46,622	-	87,769
10 Directional Drilling, Surveys	367,587	-	-	367,587
11 Drilling	645,091	-	-	645,091
12 Drill Bits	85,727	-	-	85,727
13 Fuel & Power	161,683	620,480	-	782,164
14 Cementing & Float Equip	208,204	-	-	208,204
15 Completion Unit, Swab, CTU	-	-	13,950	13,950
16 Perforating, Wireline, Slickline	-	336,431	-	336,431
17 High Pressure Pump Truck	-	105,493	-	105,493
18 Completion Unit, Swab, CTU	-	125,355	-	125,355
20 Mud Circulation System	90,034	-	-	90,034
21 Mud Logging	15,001	-	-	15,001
22 Logging / Formation Evaluation	6,221	7,136	-	13,357
23 Mud & Chemicals	309,645	374,983	9,300	694,928
24 Water	37,190	266,194	232,500	835,884
25 Stimulation	-	696,619	-	696,619
26 Stimulation Flowback & Disp	-	104,066	139,500	243,566
28 Mud / Wastewater Disposal	165,251	52,330	-	217,581
30 Rig Supervision / Engineering	103,715	114,176	13,950	231,841
32 Drlg & Completion Overhead	8,920	-	-	8,920
35 Labor	131,238	59,466	13,950	204,654
54 Proppant	-	1,074,177	-	1,074,177
95 Insurance	12,545	-	-	12,545
97 Contingency	-	20,899	-	20,899
99 Plugging & Abandonment	-	-	-	-
TOTAL INTANGIBLES >	3,009,220	4,592,878	530,100	8,132,197
TANGIBLE COSTS				
60 Surface Casing	\$ 104,604	-	-	\$ 104,604
61 Intermediate Casing	294,625	-	-	294,625
62 Drilling Liner	-	-	-	-
63 Production Casing	587,943	-	-	587,943
64 Production Liner	-	-	-	-
65 Tubing	-	-	130,200	130,200
66 Wellhead	55,470	-	37,200	92,670
67 Packers, Liner Hangers	12,607	-	18,600	31,207
68 Tanks	-	-	-	-
69 Production Vessels	-	-	-	-
70 Flow Lines	-	-	-	-
71 Rod string	-	-	-	-
72 Artificial Lift Equipment	-	-	83,700	83,700
73 Compressor	-	-	-	-
74 Installation Costs	-	-	-	-
75 Surface Pumps	-	-	-	-
76 Downhole Pumps	-	-	-	-
77 Measurement & Meter Installation	-	-	27,900	27,900
78 Gas Conditioning / Dehydration	-	-	-	-
79 Interconnecting Facility Piping	-	-	18,600	18,600
80 Gathering / Bulk Lines	-	-	-	-
81 Valves, Dumps, Controllers	-	-	-	-
82 Tank / Facility Containment	-	-	-	-
83 Flare Stack	-	-	-	-
84 Electrical / Grounding	-	-	-	-
85 Communications / SCADA	-	-	-	-
86 Instrumentation / Safety	-	-	-	-
TOTAL TANGIBLES >	1,055,249	0	316,200	1,371,449
TOTAL COSTS >	4,064,468	4,592,878	846,300	9,503,646

PREPARED BY Permian Resources Operating, LLC:

Drilling Engineer:	PS
Completions Engineer:	ML
Production Engineer:	DC

Permian Resources Operating, LLC APPROVAL:

Co-CEO	WH	Co-CEO	JW	VP - Operations	CRM
VP - Land & Legal	BG	VP - Geosciences	SO		

NON OPERATING PARTNER APPROVAL:

Company Name:	Working Interest (%):	Tax ID:
Signed by:	Date:	
Title:	Approval: <input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)	

The costs on this AFE are estimates only and may not be construed as ceilings on any specific item or the total cost of the project. Tubing installation approved under the AFE may be delayed up to a year after the well has been completed. In executing this AFE, the Participant agrees to pay its proportionate share of actual costs incurred, including, legal, curative, regulatory, brokerage and well costs under the terms of the applicable joint operating agreement, regulatory order or other agreement covering this well. Participants shall be covered by and billed proportionately for Operator's well control and general liability insurance unless participant provides Operator a certificate evidencing its own insurance in an amount acceptable to the Operator by the date of spend.

Permian Resources Operating, LLC

300 N. Marienfeld St., Ste. 1000 Midland, TX 79701

Phone (432) 695-4222 • Fax (432) 695-4063

ESTIMATE OF COSTS AND AUTHORIZATION FOR EXPENDITURE

DATE:	2.17.2023	AFE NO.:	1
WELL NAME:	Woody Federal Com 504H	FIELD:	Featherstone; Bone Spring
LOCATION:	Section 22, T20S-R35E	TVD:	10,540'
COUNTY/STATE:	Lea County, New Mexico	LATERAL LENGTH:	7,500'
Permian WI:		DRILLING DAYS:	19.6
GEOLOGIC TARGET:	SBSG	COMPLETION DAYS:	18.6
REMARKS:	Drill a horizontal SBSG well and complete with 44 stages. AFE includes drilling, completions, flowback and Initial AL install cost		

	DRILLING COSTS	COMPLETION COSTS	PRODUCTION COSTS	TOTAL COSTS
INTANGIBLE COSTS				
1 Land / Legal / Regulatory	\$ 50,546	-	-	\$ 50,546
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5 Rental - Surface Equipment	106,394	184,346	88,350	379,090
6 Rental - Downhole Equipment	175,794	51,179	-	226,973
7 Rental - Living Quarters	41,147	46,622	-	87,769
10 Directional Drilling, Surveys	367,587	-	-	367,587
11 Drilling	645,091	-	-	645,091
12 Drill Bits	85,727	-	-	85,727
13 Fuel & Power	161,683	620,480	-	782,164
14 Cementing & Float Equip	208,204	-	-	208,204
15 Completion Unit, Swab, CTU	-	-	13,950	13,950
16 Perforating, Wireline, Slickline	-	336,431	-	336,431
17 High Pressure Pump Truck	-	105,493	-	105,493
18 Completion Unit, Swab, CTU	-	125,355	-	125,355
20 Mud Circulation System	90,034	-	-	90,034
21 Mud Logging	15,001	-	-	15,001
22 Logging / Formation Evaluation	6,221	7,136	-	13,357
23 Mud & Chemicals	309,645	374,983	9,300	693,928
24 Water	37,190	266,194	232,500	835,884
25 Stimulation	-	696,619	-	696,619
26 Stimulation Flowback & Disp	-	104,066	139,500	243,566
28 Mud / Wastewater Disposal	165,251	52,330	-	217,581
30 Rig Supervision / Engineering	103,715	114,176	13,950	231,841
32 Drlg & Completion Overhead	8,920	-	-	8,920
35 Labor	131,238	59,466	13,950	204,654
54 Proppant	-	1,074,177	-	1,074,177
95 Insurance	12,545	-	-	12,545
97 Contingency	-	20,899	-	20,899
99 Plugging & Abandonment	-	-	-	-
TOTAL INTANGIBLES >	3,009,220	4,592,878	530,100	8,132,197
TANGIBLE COSTS				
60 Surface Casing	\$ 104,604	-	-	\$ 104,604
61 Intermediate Casing	294,625	-	-	294,625
62 Drilling Liner	-	-	-	-
63 Production Casing	587,943	-	-	587,943
64 Production Liner	-	-	-	-
65 Tubing	-	-	130,200	130,200
66 Wellhead	55,470	-	37,200	92,670
67 Packers, Liner Hangers	12,607	-	18,600	31,207
68 Tanks	-	-	-	-
69 Production Vessels	-	-	-	-
70 Flow Lines	-	-	-	-
71 Rod string	-	-	-	-
72 Artificial Lift Equipment	-	-	83,700	83,700
73 Compressor	-	-	-	-
74 Installation Costs	-	-	-	-
75 Surface Pumps	-	-	-	-
76 Downhole Pumps	-	-	-	-
77 Measurement & Meter Installation	-	-	27,900	27,900
78 Gas Conditioning / Dehydration	-	-	-	-
79 Interconnecting Facility Piping	-	-	18,600	18,600
80 Gathering / Bulk Lines	-	-	-	-
81 Valves, Dumps, Controllers	-	-	-	-
82 Tank / Facility Containment	-	-	-	-
83 Flare Stack	-	-	-	-
84 Electrical / Grounding	-	-	-	-
85 Communications / SCADA	-	-	-	-
86 Instrumentation / Safety	-	-	-	-
TOTAL TANGIBLES >	1,055,249	0	316,200	1,371,449
TOTAL COSTS >	4,064,468	4,592,878	846,300	9,503,646

PREPARED BY Permian Resources Operating, LLC:

Drilling Engineer:	PS
Completions Engineer:	ML
Production Engineer:	DC

Permian Resources Operating, LLC APPROVAL:

Co-CEO	_____	Co-CEO	_____	VP - Operations	_____
	WH		JW		CRM
VP - Land & Legal	_____	VP - Geosciences	_____		
	BG		SO		

NON OPERATING PARTNER APPROVAL:

Company Name:	_____	Working Interest (%):	_____	Tax ID:	_____
Signed by:	_____	Date:	_____		
Title:	_____	Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)		

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INTANGIBLE COSTS				
1 Land / Legal / Regulatory	\$ 50,546	-	-	\$ 50,546
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11 Drilling	645,091	-	-	645,091
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14 Cementing & Float Equip	208,204	-	-	208,204
15 Completion Unit, Swab, CTU	-	-	13,950	13,950
16 Perforating, Wireline, Slickline	-	336,431	-	336,431
17 High Pressure Pump Truck	-	105,493	-	105,493
18 Completion Unit, Swab, CTU	-	125,355	-	125,355
20 Mud Circulation System	90,034	-	-	90,034
21 Mud Logging	15,001	-	-	15,001
22 Logging / Formation Evaluation	6,221	7,136	-	13,357
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54 Proppant	-	1,074,177	-	1,074,177
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97 Contingency	-	20,899	-	20,899
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TANGIBLE COSTS				
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63 Production Casing	587,943	-	-	587,943
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65 Tubing	-	-	130,200	130,200
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68 Tanks	-	-	-	-
69 Production Vessels	-	-	-	-
70 Flow Lines	-	-	-	-
71 Rod string	-	-	-	-
72 Artificial Lift Equipment	-	-	83,700	83,700
73 Compressor	-	-	-	-
74 Installation Costs	-	-	-	-
75 Surface Pumps	-	-	-	-
76 Downhole Pumps	-	-	-	-
77 Measurement & Meter Installation	-	-	27,900	27,900
78 Gas Conditioning / Dehydration	-	-	-	-
79 Interconnecting Facility Piping	-	-	18,600	18,600
80 Gathering / Bulk Lines	-	-	-	-
81 Valves, Dumps, Controllers	-	-	-	-
82 Tank / Facility Containment	-	-	-	-
83 Flare Stack	-	-	-	-
84 Electrical / Grounding	-	-	-	-
85 Communications / SCADA	-	-	-	-
86 Instrumentation / Safety	-	-	-	-
TOTAL TANGIBLES >	1,055,249	0	316,200	1,371,449
TOTAL COSTS >	4,064,468	4,592,878	846,300	9,503,646

PREPARED BY Permian Resources Operating, LLC:

Drilling Engineer:	PS
Completions Engineer:	ML
Production Engineer:	DC

Permian Resources Operating, LLC APPROVAL:

Co-CEO	_____	Co-CEO	_____	VP - Operations	_____
	WH		JW		CRM
VP - Land & Legal	_____	VP - Geosciences	_____		
	BG		SO		

NON OPERATING PARTNER APPROVAL:

Company Name:	_____	Working Interest (%):	_____	Tax ID:	_____
Signed by:	_____	Date:	_____		
Title:	_____	Approval:	<input type="checkbox"/> Yes <input type="checkbox"/> No (mark one)		

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PERMIAN

RESOURCES

Woody E2 – Chronology of Communication

March 14, 2023 – Proposal sent to all parties besides XTO. We included SITL in these proposals as Kastelford indicated they will be assigning a portion to them.

March 21, 2023 – Correspondence with Kastelford

March 21, 2023 – Correspondence with Mewbourne Oil Company on buying Mewbourne's interest in Woody.

March 24, 2023 – Correspondence with Kastelford

March 24, 2023 – Correspondence with Mewbourne

March 31, 2023 – Proposal to XTO Holdings, LLC (their interest is subject to a convertible back-in interest)

April 5, 2023 – Correspondence with Mewbourne

April 7, 2023 – Correspondence with XTO

April 12, 2023 – Correspondence with XTO

April 14, 2023 – Correspondence with Occidental

April 19, 2023 – Correspondence with XTO

April 19, 2023 – Correspondence with Mewbourne

April 24, 2023 – Correspondence with XTO

April 25, 2023 – Correspondence with Kastelford

May 2, 2023 – Correspondence with Occidental

May 2, 2023 – Correspondence with Devon

May 4, 2023 – Correspondence with Devon

May 4, 2023 – Correspondence with Occidental

May 4, 2023 – Correspondence with Mewbourne

May 5, 2023 – Correspondence with XTO/received elections to participate.

May 9, 2023 – Correspondence with Occidental

Permian Resources Operating, LLC
Case No. 23531
Exhibit A-5

May 10, 2023 – Correspondence with Occidental

May 19, 2023 – Correspondence with Occidental

300 N. Marienfeld St., Suite 1000, Midland, Texas 79701
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**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF PERMIAN RESOURCES
OPERATING, LLC FOR COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.**

CASE NO. 23531

**SELF-AFFIRMED STATEMENT
OF IRA BRADFORD**

1. I am a geologist with Permian Resources Operating, LLC (“Permian Resources”) and am over 18 years of age. I have personal knowledge of the matters addressed herein and am competent to provide this Self-Affirmed Statement. I have previously testified before the New Mexico Oil Conservation Division (“Division”) and my credentials as an expert in petroleum land matters were accepted and made a matter of record.

2. I am familiar with the geological matters that pertain to the above-referenced case.

3. **Exhibit B-1** is a regional locator map that identifies the Woody project area, in proximity to the Capitan Reef within the Delaware Basin, for the Bone Spring horizontal spacing units that are the subject of these applications.

4. **Exhibit B-2** is a cross section location map for the proposed horizontal spacing unit (“Unit”) within the Bone Spring formation. The approximate wellbore paths for the proposed **Woody 22 Federal Com #503H, Woody 22 Federal Com #504H, and Woody 22 Federal Com #505H** wells (“Wells”) are represented by dashed lines. Existing producing wells in the targeted interval are represented by solid lines. This map identifies the cross-section running from A-A’ with the cross-section wells name and a black line in proximity to the proposed Wells.

5. **Exhibit B-3** is a Subsea Structure map on the Second Bone Spring formation in TVD subsea with a contour interval of 50 ft. The map identifies the approximate wellbore paths for the proposed Wells with a red dashed line. It also identifies the location of the cross-section

**Permian Resources Operating, LLC
Case No. 23531
Exhibit B**

running from A-A' in proximity to the proposed Wells. The data points are indicated by red triangles. The map demonstrates the formation is gently dipping to the West/Southwest in this area. I do not observe any faulting, pinch-outs, or geologic impediments to developing the targeted intervals with horizontal wells.

6. **Exhibit B-4** identifies two wells penetrating the targeted interval I used to construct a stratigraphic cross-section from A to A', and it contains gamma ray, resistivity, and porosity logs. I used these well logs because they penetrate the targeted interval, are of good quality, and are representative of the geology in the area. The cross section is oriented from North to South and is hung on the top of the Wolfcamp formation. The target zones for the proposed Wells are in the Bone Spring formation, which is consistent across the units. The approximate well-paths for the proposed Wells are indicated by dashed lines to be drilled from east to west across the units.

7. **Exhibit B-5** is a gun barrel diagram that shows the Woody 22 Federal Com #503H, Woody 22 Federal Com #504H, and Woody 22 Federal Com #505H wells in the Bone Spring formation.

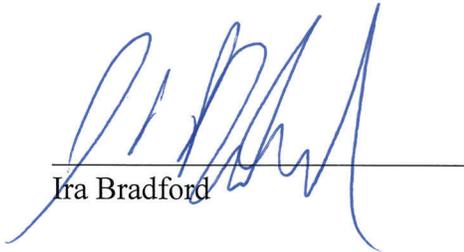
8. In my opinion, a stand-up orientation for the Wells is appropriate to properly develop the subject acreage because of consistent rock properties throughout the Unit and is the preferred fracture orientation in this portion of the trend.

9. Based on my geologic study of the area, the targeted interval underlying the Unit is suitable for development by horizontal wells and the tracts comprising the Unit will contribute more or less equally to the production of the Wells.

10. In my opinion, the granting of Permian Resources' application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

11. The exhibits attached hereto were either prepared by me or under my supervision or were compiled from company business records.

12. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date identified next to my signature below.

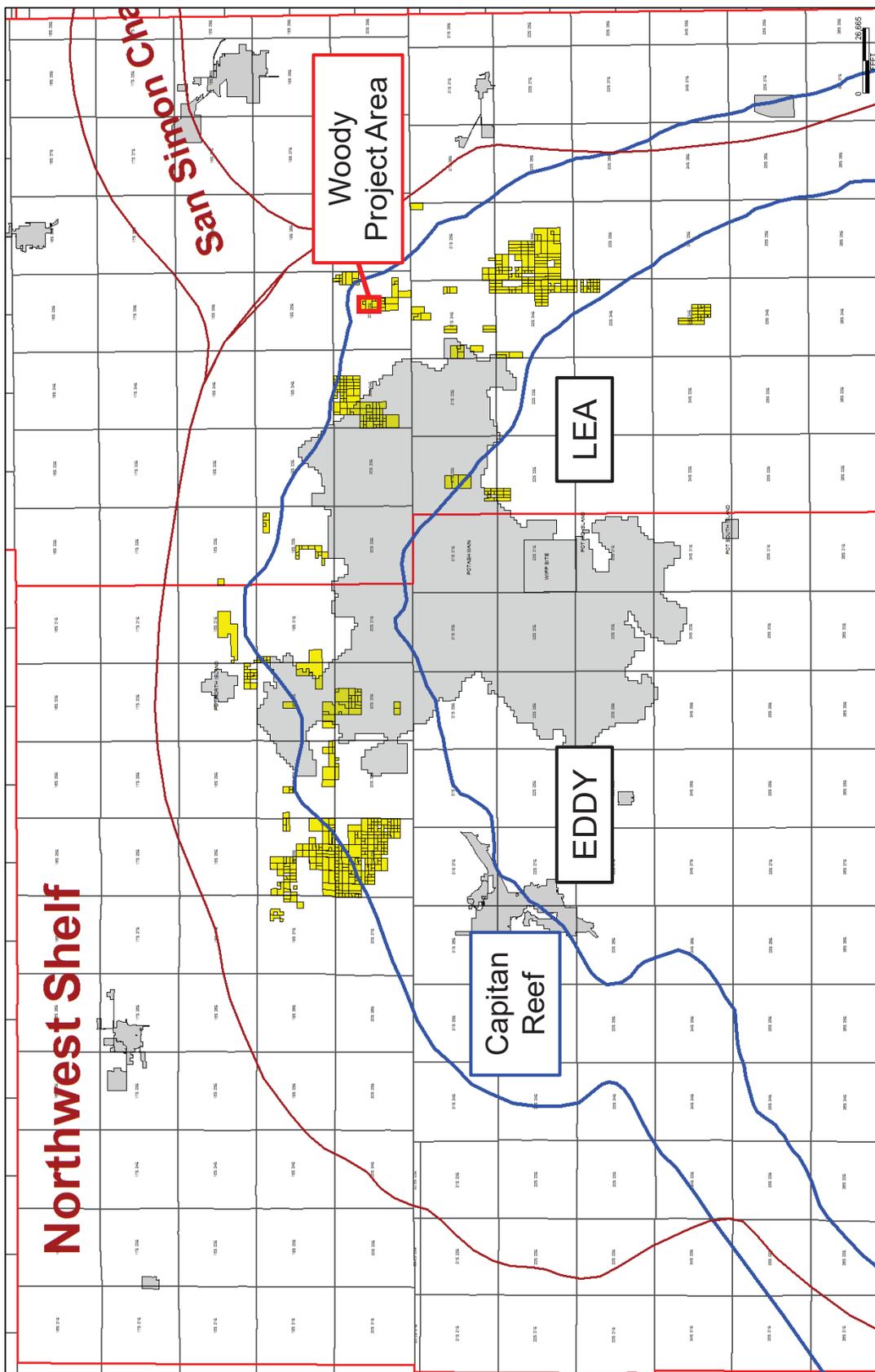

Ira Bradford

5/24/2023
Date



Exhibit B-1

Regional Locator Map Woody 22 Fed Com



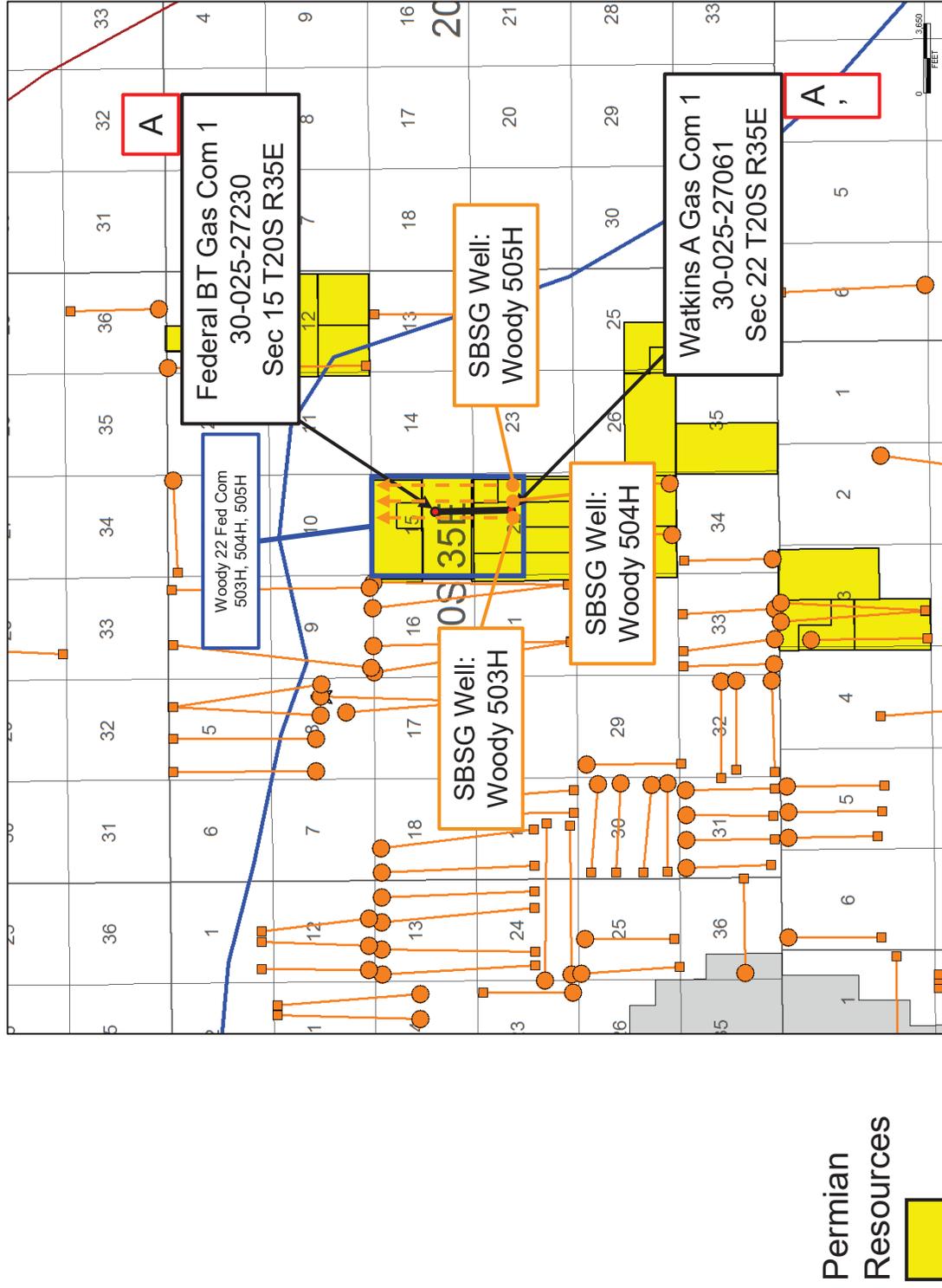
Permian Resources

Permian Resources Operating, LLC
Case No. 23531 - Exhibit B-1

Cross-Section Locator Map

Woody 22 Fed Com 503H, 504H, 505H

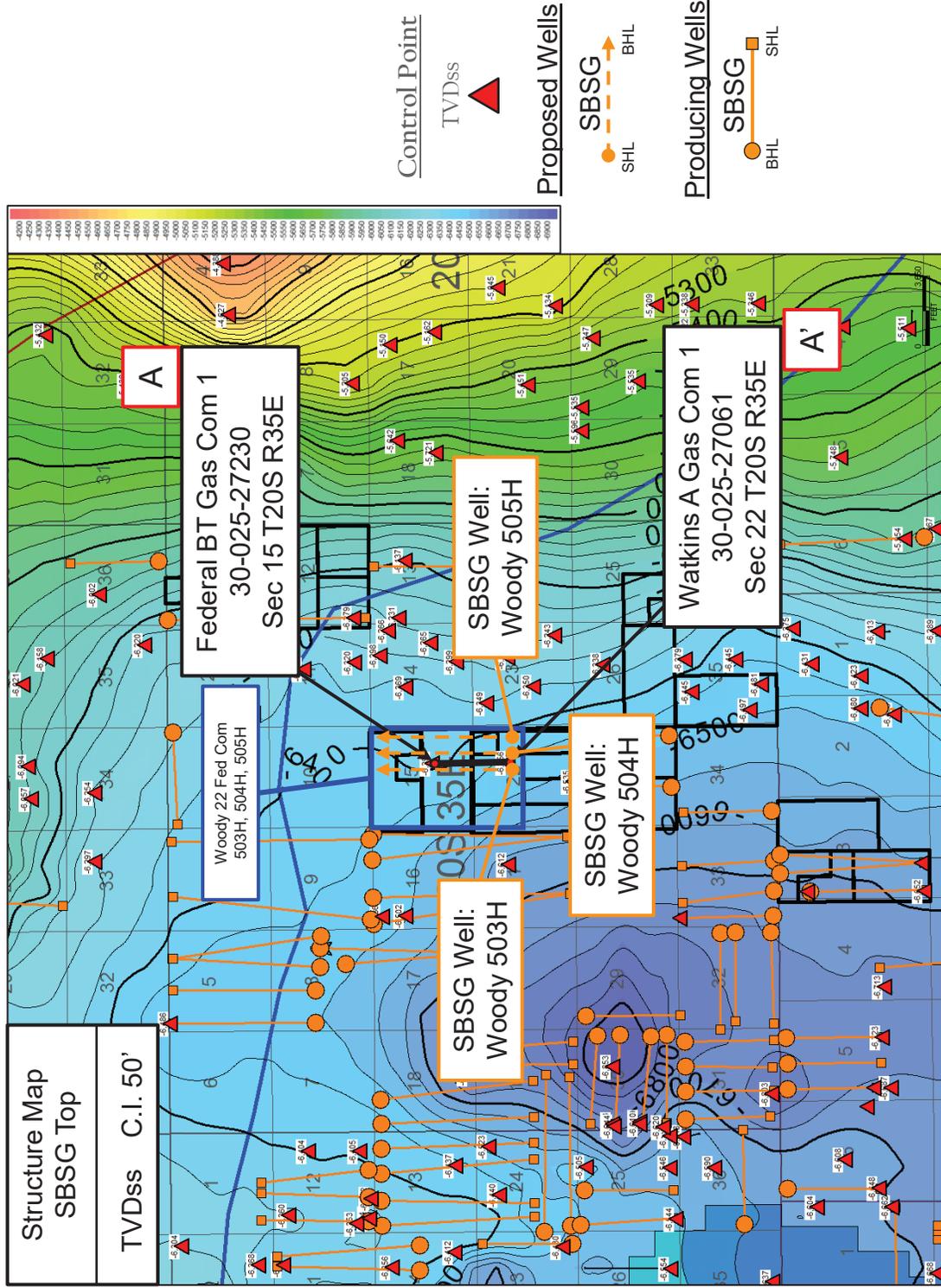
Exhibit B-2



Second Bone Spring – Structure Map

Woody 22 Fed Com 503H, 504H, 505H

Exhibit B-3



Permian Resources

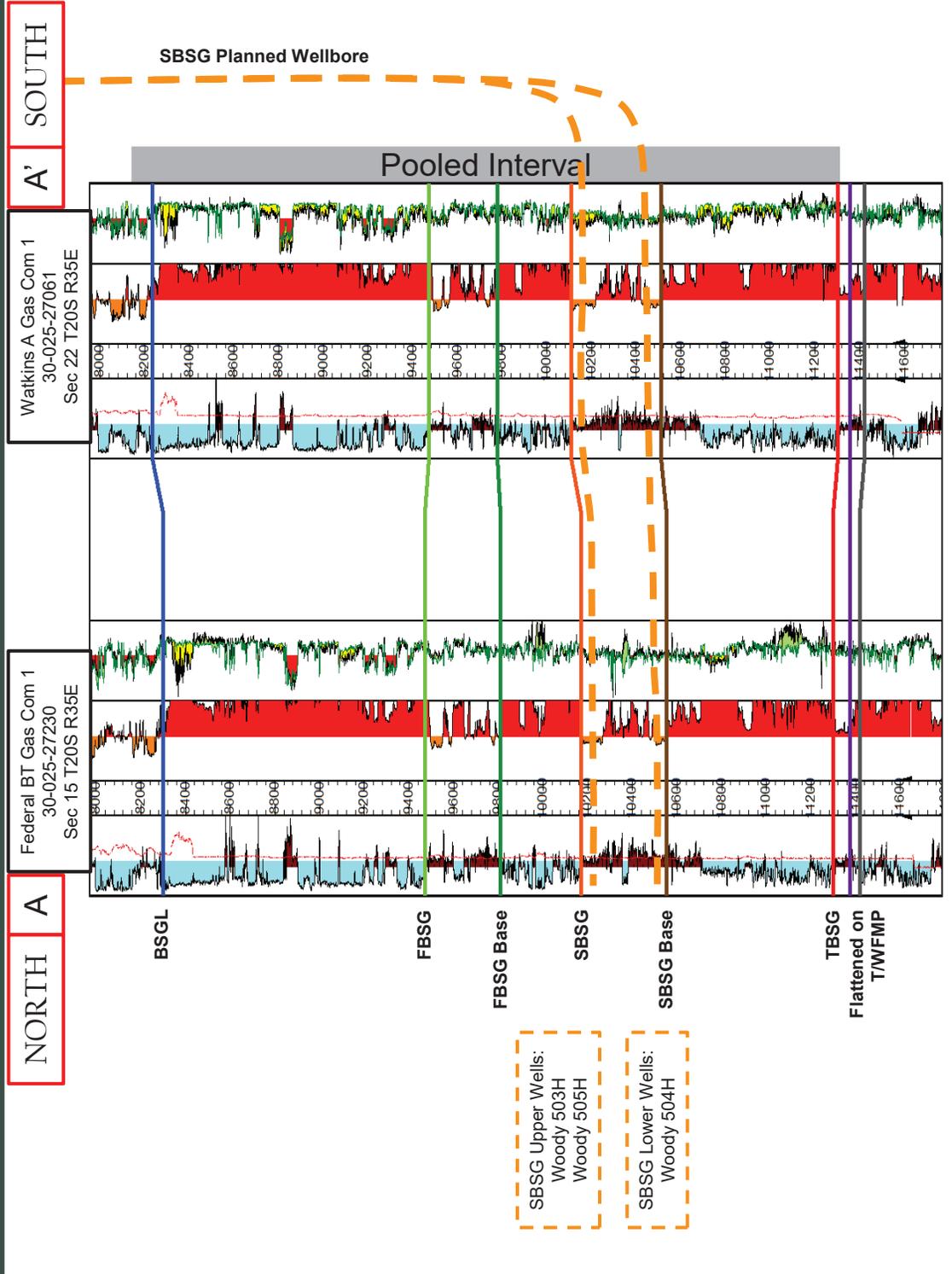




Exhibit B-4

Stratigraphic Cross-Section A-A'

Woody 22 Fed Com 503H, 504H, 505H

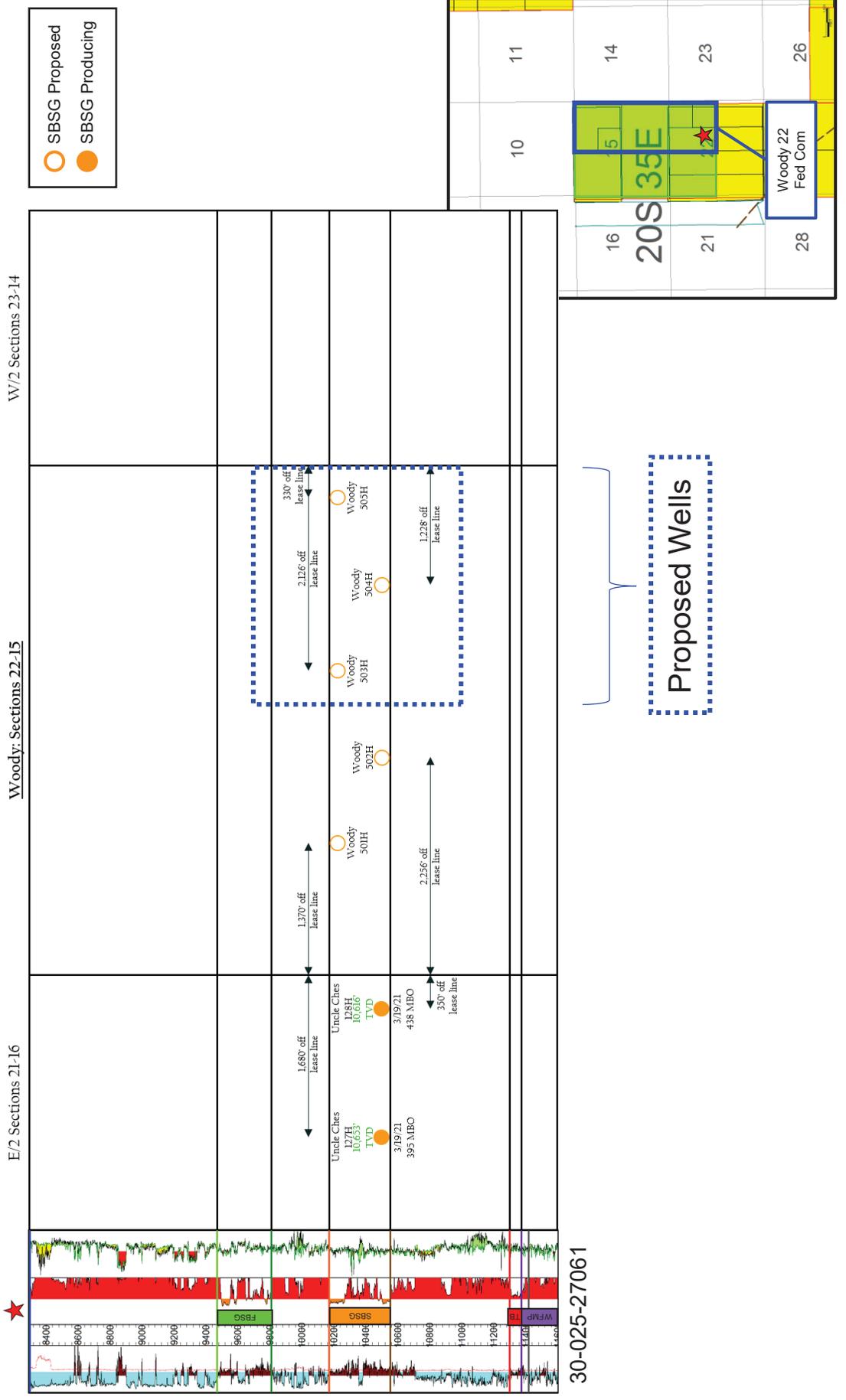


Gun Barrel Development Plan

Woody 22 Fed Com 503H, 504H, 505H



Exhibit B-5



30-025-27061

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF PERMIAN RESOURCES
OPERATING, LLC FOR COMPULSORY POOLING,
LEA COUNTY, NEW MEXICO.**

CASE NO. 23531

**SELF-AFFIRMED STATEMENT
OF DANA S. HARDY**

1. I am attorney in fact and authorized representative of Permian Resources Operating, LLC, the Applicant herein.

2. I am familiar with the Notice Letter attached as **Exhibit C-1** and caused the Notice Letter, along with the Application in this case, to be sent to the parties set out in the chart attached as **Exhibit C-2**.

3. Exhibit C-2 also provides the date each Notice Letter was sent and the date each return was received.

4. Copies of the certified mail green cards and white slips are attached as **Exhibit C-3** as supporting documentation for proof of mailing and the information provided on Exhibit C-2.

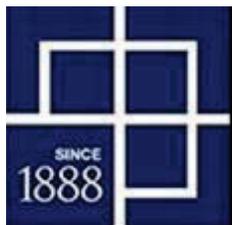
5. On May 10, 2023, I caused a notice to be published to all interested parties in the Hobbs News-Sun. An Affidavit of Publication from the Legal Clerk of the Hobbs News-Sun, along with a copy of the notice publication, is attached as **Exhibit C-4**.

6. I understand this Self-Affirmed Statement will be used as written testimony in the subject cases. I affirm that my testimony above is true and correct and it made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

/s/ Dana S. Hardy
Dana S. Hardy

May 30, 2023
Date

**Permian Resources Operating, LLC
Case No. 23531
Exhibit C**



hinklelawfirm.com

HINKLE SHANOR LLP

ATTORNEYS AT LAW

P.O. BOX 2068

SANTA FE, NEW MEXICO 87504

505-982-4554 (FAX) 505-982-8623

WRITER:
Dana S. Hardy, Partner
dhardy@hinklelawfirm.com

May 5, 2023

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO ALL PARTIES ENTITLED TO NOTICE

Re: Case No. 23531 – Application of Permian Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed application was filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **June 1, 2023**, beginning at 8:15 a.m.

Hearings are currently conducted remotely. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <https://www.emnrd.nm.gov/ocd/hearing-info/>. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from challenging the matter at a later date.

Pursuant to Division Rule 19.15.4.13.B, a party who intends to present evidence at the hearing shall file a pre-hearing statement and serve copies on other parties, or the attorneys of parties who are represented by counsel, at least four business days in advance of a scheduled hearing, but in no event later than 5:00 p.m. Mountain Time, on the Thursday preceding the scheduled hearing date. The statement must be submitted through the OCD E-Permitting system (<https://wwwapps.emnrd.nm.gov/ocd/ocdpermitting/>) or via e-mail to ocd.hearings@emnrd.nm.gov and should include: the names of the parties and their attorneys, a concise statement of the case, the names of all witnesses the party will call to testify at the hearing, the approximate time the party will need to present its case, and identification of any procedural matters that are to be resolved prior to the hearing.

Please contact Travis Macha, Senior Landman, at 432-400-1037, if you have questions regarding this matter.

Sincerely,

/s/ Dana S. Hardy

Dana S. Hardy

Enclosure

Permian Resources Operating, LLC
Case No. 23531
Exhibit C-1

PO BOX 10
ROSWELL, NEW MEXICO 88202
(575) 622-6510
FAX (575) 623-9332

7601 JEFFERSON ST NE · SUITE 180
ALBUQUERQUE, NEW MEXICO 87109
505-858-8320
(FAX) 505-858-8321

PO BOX 2068
SANTA FE, NEW MEXICO 87504
(505) 982-4554
FAX (505) 982-8623

**STATE OF NEW MEXICO
DEPARTMENT OF ENERGY, MINERALS AND NATURAL RESOURCES
OIL CONSERVATION DIVISION**

**APPLICATION OF PERMIAN RESOURCES
OPERATING, LLC FOR COMPULSORY
POOLING, LEA COUNTY, NEW MEXICO.**

CASE NO. 23531

NOTICE LETTER CHART

PARTY	NOTICE LETTER SENT	RETURN RECEIVED
AG Andrikopoulos Resources, Inc. P.O. Box 788 Cheyenne, WY 82003	05/05/23	05/12/23
Devon Energy Production Co., LP 333 W. Sheridan Ave. Oklahoma City, Oklahoma, 73102	05/05/23	05/12/23
Kastleford Land Company, LLC P.O. Box 51540 Midland, TX 79710	05/05/23	05/10/23
Occidental Permian Ltd. 5 Greenwood Plaza, Suite 110 Houston, TX 77046	05/05/23	05/24/23 Return to sender.
SITL Energy, LLC 308 N Colorado, Suite 200 Midland, TX 79701	05/05/23	05/10/23
XTO Holdings, LLC 22777 Springwoods Village Pkwy. Spring, TX 77389	05/05/23	05/15/23 No signature.

**Permian Resources Operating, LLC
Case No. 23531
Exhibit C-2**

7022 1670 0002 1183 8394

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Adult Signature Required \$ _____

Adult Signature Restricted Delivery \$ _____

Postage \$ _____

Total Postage and Fees \$ _____

AG Andrikopoulos Resources, Inc.
 P.O. Box 788
 Cheyenne, WY 82003

23531 - PRO Woody

PS Form 3800, April 2015 PSN 7590-02-000-9047 See Reverse for Instructions

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MAY 05 2023
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SANTA FE NM 87505

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<ul style="list-style-type: none"> Complete items 1, 2, and 3. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input checked="" type="checkbox"/> Kelly Cornelias <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) Kelly Cornelias</p> <p>C. Date of Delivery MAY 12 2023</p>
<p>1. Article Addressed to:</p> <p>AG Andrikopoulos Resources, Inc. P.O. Box 788 Cheyenne, WY 82003</p> <p>23531 - PRO Woody</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below:</p> <p>RECEIVED MAY 12 2023 Hinkle Shanor LLP Santa Fe NM 87504</p>
<p>2. Article Number (Transfer from service label) 7022 1670 0002 1183 8394</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Insured Mail</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</p>
<p>PS Form 3811, July 2015 PSN 7530-02-000-9053</p>	<p>Domestic Return Receipt</p>

Permian Resources Operating, LLC
 Case No. 23531
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MAY 05 2023

Devon Energy Production Co., LP
 333 W. Sheridan Ave.
 Oklahoma City, Oklahoma, 73102
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<p>1. Article Addressed to:</p> <p>Devon Energy Production Co., LP 333 W. Sheridan Ave. Oklahoma City, Oklahoma, 73102 23531 - PRO Woody</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: _____</p> <p>RECEIVED MAY 12 2023</p>
<p>2. Article Number (Transfer from service label) 7022 1670 0002 1181 6224</p>	<p>3. Service Type Hinkle Shanor LP <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Santa Fe NM 87505 <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Restricted Delivery (over \$500)</p>
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Street Kastleford Land Company, LLC
 P.O. Box 51540
 Midland, TX 79710

City 23531 - PRO Woody

PS Form 3800, April 2015 PSN 7630-02-000-9047 See Reverse for Instructions

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<p>1. Article Addressed to:</p> <p>Kastleford Land Company, LLC P.O. Box 51540 Midland, TX 79710</p> <p>23531 - PRO Woody</p> <p> 9590 9402 4821 9032 2142 57</p>	<p>3. Service Type <i>Santa Fe NM 87504</i></p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Signature Confirmation Restricted Delivery (over \$500)</p>
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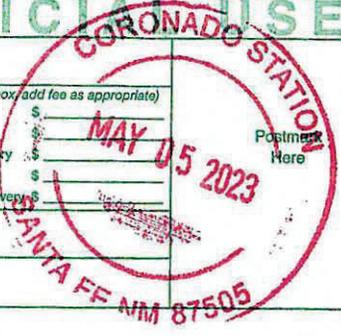
Total Postage and Fees \$ _____

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 308 N Colorado, Suite 200
 Midland, TX 79701

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<p>1. Article Addressed to:</p> <p>SITL Energy, LLC 308 N Colorado, Suite 200 Midland, TX 79701</p> <p>23531 - PRO Woody</p> <p>9590 9402 4821 9032 2141 89</p>	<p>RECEIVED</p> <p>MAY 10 2023</p> <p>Hinkle Shanor LLP</p> <p>Santa Fe NM 87504</p>
<p>2. Article Number (Transfer from service label)</p> <p>7022 1670 0002 1181 6231</p>	<p>3. Service Type</p> <p><input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express®</p> <p><input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™</p> <p><input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation™</p> <p><input type="checkbox"/> Collect on Delivery Restricted Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> Signature Confirmation Restricted Delivery (over \$500)</p> <p><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</p>
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22777 Springwoods Village Pkwy.
Spring, TX 77389

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<p>1. Article Addressed to:</p> <p style="text-align: center;">XTO Holdings, LLC 22777 Springwoods Village Pkwy. Spring, TX 77389</p> <p style="text-align: right;">23531 - PRO Woody</p> <div style="text-align: center;">  9590 9402 4821 9032 2141 72 </div>	<div style="text-align: center; font-size: 2em; font-weight: bold; margin-bottom: 10px;">RECEIVED</div> <div style="text-align: center; font-size: 1.5em; font-weight: bold; margin-bottom: 10px;">MAY 15 2023</div> <p style="text-align: center; font-weight: bold;">Linkle Chanor LLP</p>																
<p>2. Article Number (Transfer from service label)</p> <p style="font-size: 1.2em; font-weight: bold;">7022 1670 0002 1183 8400</p>	<p>3. Service Type Santa Fe NM 87504</p> <table style="width: 100%; border: none;"> <tr> <td><input type="checkbox"/> Adult Signature</td> <td><input type="checkbox"/> Priority Mail Express®</td> </tr> <tr> <td><input type="checkbox"/> Adult Signature Restricted Delivery</td> <td><input type="checkbox"/> Registered Mail™</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail®</td> <td><input type="checkbox"/> Registered Mail Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Certified Mail Restricted Delivery</td> <td><input type="checkbox"/> Return Receipt for Merchandise</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery</td> <td><input type="checkbox"/> Signature Confirmation™</td> </tr> <tr> <td><input type="checkbox"/> Collect on Delivery Restricted Delivery</td> <td><input type="checkbox"/> Signature Confirmation Restricted Delivery</td> </tr> <tr> <td><input type="checkbox"/> Insured Mail</td> <td></td> </tr> <tr> <td><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</td> <td></td> </tr> </table>	<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®	<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™	<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery	<input type="checkbox"/> Certified Mail Restricted Delivery	<input type="checkbox"/> Return Receipt for Merchandise	<input type="checkbox"/> Collect on Delivery	<input type="checkbox"/> Signature Confirmation™	<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery	<input type="checkbox"/> Insured Mail		<input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)	
<input type="checkbox"/> Adult Signature	<input type="checkbox"/> Priority Mail Express®																
<input type="checkbox"/> Adult Signature Restricted Delivery	<input type="checkbox"/> Registered Mail™																
<input type="checkbox"/> Certified Mail®	<input type="checkbox"/> Registered Mail Restricted Delivery																
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<input type="checkbox"/> Collect on Delivery Restricted Delivery	<input type="checkbox"/> Signature Confirmation Restricted Delivery																
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 Postage \$
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 \$ 7020 0090 0000 0865 6519

Occidental Permian Ltd.
 5 Greenwood Plaza, Suite 110
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Affidavit of Publication

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I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

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LEGAL NOTICE
May 10, 2023

This is to notify all interested parties, including Occidental Permian Ltd.; Devon Energy Production Company, LP; SITL Energy, LLC; Kastleford Land Company, LLC; AG Andrikopoulos Resources, Inc.; XTO Holdings, LLC; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Permian Resources Operating, LLC (Case No. 23531). The hearing will be conducted remotely on June 1, 2023, beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website for that date: <https://www.emnrd.nm.gov/ocd/hearing-info/>. Applicant applies for an order pooling all uncommitted interests in the Bone Spring formation underlying a 480-acre, more or less, standard horizontal spacing unit comprised of the E/2 of Section 15 and the NE/4 of Section 22, Township 20 South, Range 35 East, Lea County, New Mexico ("Unit"). The Unit will be dedicated to the following wells ("Wells"): the **Woody 22 Federal Com #503H**, to be drilled from a surface hole location in the NE/4 SE/4 (Unit I) of Section 22 to a bottom hole location in the NW4 NE/4 (Unit B) of Section 15; and the **Woody 22 Federal Com #504H** and **Woody 22 Federal Com #505H**, to be drilled from surface hole locations in the NE/4 SE/4 (Unit I) of Section 22 to bottom hole locations in the NE/4 NE/4 (Unit A) of Section 15. The completed intervals of the Wells will be orthodox. The completed interval of the **Woody 22 Federal Com #504H** well will be located within 330' of the quarter-quarter section line separating the E/2 E/2 and W/2 E/2 of Sections 15 and 22 to allow for the creation of a 480-acre standard horizontal spacing unit. Also to be considered will be the cost of drilling and completing the Wells and the allocation of the cost, the designation of Applicant as the operator of the Wells, and a 200% charge for the risk involved in drilling and completing the Wells. The Wells are located approximately 20.7 miles southwest of Hobbs, New Mexico.
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GILBERT
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Permian Resources Operating, LLC
Case No. 23531
Exhibit C-4