

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

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

Case No. 25077

Exhibit Index

Compulsory Pooling Checklist

| | |
|------------------|--|
| Exhibit A | Self-Affirmed Statement of Ryan Curry |
| A-1 | Application & Proposed Notice of Hearing |
| A-2 | C-102 |
| A-3 | Plat of Tracts, Tract Ownership, Applicable Lease Numbers, Unit Recapitulation, Pooled Parties |
| A-4 | Sample Well Proposal Letter and AFE |
| A-5 | Chronology of Contact |
| Exhibit B | Self-Affirmed Statement of Christopher Cantin |
| B-1 | Regional Locator Map |
| B-2 | Cross-Section Location Map |
| B-3 | Subsea Structure Map |
| B-4 | Stratigraphic Cross-Section |
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| Exhibit C | Self-Affirmed Statement of Dana S. Hardy |
| C-1 | Notice Letter Sent December 16, 2024 |
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| C-3 | Copies of Certified Mail Receipts and Returns |
| C-4 | Affidavit of Publication for December 19, 2024 |

| COMPULSORY POOLING APPLICATION CHECKLIST | |
|--|---|
| ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS | |
| Case: 25077 | APPLICANT'S RESPONSE |
| Date: February 13, 2025 | |
| Applicant | Permian Resources Operating, LLC |
| Designated Operator & OGRID (affiliation if applicable) | Permian Resources Operating, LLC (OGRID No. 372165) |
| Applicant's Counsel: | Hinkle Shanor LLP |
| Case Title: | Application of Permian Resources Operating, LLC for Compulsory Pooling, Eddy County, New Mexico. |
| Entries of Appearance/Intervenors: | N/A |
| Well Family | Boomerang |
| Formation/Pool | |
| Formation Name(s) or Vertical Extent: | Bone Spring |
| Primary Product (Oil or Gas): | Oil |
| Pooling this vertical extent: | Second Bone Spring Interval |
| Pool Name and Pool Code: | Avalon; Bone Spring, East Pool (Code 3713) |
| Well Location Setback Rules: | Statewide |
| Spacing Unit | |
| Type (Horizontal/Vertical) | Horizontal |
| Size (Acres) | 240 acres |
| Building Blocks: | quarter-quarter |
| Orientation: | East to West |
| Description: TRS/County | S/2 N/2 of Section 25 and the S/2 NE/4 of Section 26, Township 20 South, Range 28 East, Eddy 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 | Yes. Applicant seeks to pool uncommitted interests in the Second Bone Spring interval from approximately 6,945' MD to 7,850' MD as shown on the Lee Federal Com #2 well log (API 30-015-24349). |
| Proximity Tracts: If yes, description | No. |
| Proximity Defining Well: if yes, description | N/A |
| 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 | Boomerang 25 Fed Com 122H (API # 30-015-54431) SHL: 1,324' FNL & 423' FEL (Unit A), Section 25, T20S-R28E BHL: 2,160' FNL & 2,552' FEL (Unit G), Section 26, T20S-R28E Completion Target: Second Bone Spring Interval (Approx. 7,726' TVD) |
| AFE Capex and Operating Costs | |
| Drilling Supervision/Month \$ | \$10,000 |
| Production Supervision/Month \$ | \$1,000 |
| Justification for Supervision Costs | Exhibit A-4 |
| Requested Risk Charge | 200% |
| Notice of Hearing | |
| Proposed Notice of Hearing | Exhibit A-1 |
| Proof of Mailed Notice of Hearing (20 days before hearing) | Exhibits C-1, C-2, 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) | Exhibit A-3 |
| 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 | Exhibit 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-2 |
| 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: | 2/4/2025 |

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

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

CASE NO. 25077

**SELF-AFFIRMED STATEMENT
OF RYAN CURRY**

1. I am a Senior Landman with Permian Resources Operating, LLC (“Permian Resources”). I am over 18 years of age, 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. 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 Second Bone Spring interval of the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Section 25 and the S/2 NE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico (“Unit”).

5. The Unit will be dedicated to the **Boomerang 25 Fed Com 122H** well (“Well”), which will produce from a first take point in the SE/4 NE/4 (Unit H) of Section 25 to a last take point in the SW/4 NE/4 (Unit G) of Section 26.

6. The completed interval of the Well will be orthodox.

Permian Resources Operating, LLC
Case No. 25077
Exhibit A

7. Due to a depth severance in the Bone Spring Formation within the Unit, Applicant seeks to pool uncommitted interests in the Second Bone Spring interval from approximately 6,945' MD to 7,850' MD as shown on the Lee Federal Com #2 well log (API 30-015-24349).

8. **Exhibit A-2** contains the C-102 for the Well.

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.

10. Permian Resources has conducted a diligent search of all county public records, including phone directories and computer databases, as well as internet searches, 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 Well. 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 Well as indicated by the chronology of contact described in **Exhibit A-5**.

13. Permian Resources requests overhead and administrative rates of \$10,000 per month while the Well is being drilled and \$1,000 per month while the Well is 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.



RYAN CURRY

12/12/24
Date

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

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

CASE NO. 25077

APPLICATION

Pursuant to NMSA § 70-2-17, Permian Resources Operating, LLC (“Applicant”) (OGRID No. 372165) applies for an order pooling all uncommitted interests in the Second Bone Spring interval of the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Section 25 and the S/2 NE/4 of Section 26, Township 20 South, Range 28 East, Eddy 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 **Boomerang 25 Fed Com 122H** well (“Well”), which will produce from a first take point in the SE/4 NE/4 (Unit H) of Section 25 to a last take point in the SW/4 NE/4 (Unit G) of Section 26.
3. The completed interval of the Well is expected to be orthodox.
4. Due to a depth severance in the Bone Spring Formation within the Unit, Applicant seeks to pool uncommitted interests in the Second Bone Spring interval from approximately 6,945’ MD to 7,850’ MD as shown on the Lee Federal Com #2 well log (API 30-015-24349).
5. Applicant has undertaken diligent, good faith efforts to obtain voluntary agreements from all interest owners to participate in the drilling of the Well but has been unable to obtain voluntary agreements from all interest owners.

**Permian Resources Operating, LLC
Case No. 25077
Exhibit A-1**

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 Well and the Unit.

WHEREFORE, Applicant requests that this application be set for hearing before an Examiner of the Oil Conservation Division on January 9, 2025, 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 Well in the Unit;
- C. Designating Permian Resources Operating, LLC as operator of the Unit and the Well to be drilled thereon;
- D. Authorizing Permian Resources Operating, LLC to recover its costs of drilling, equipping, and completing the Well;
- 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 Permian Resources Operating, LLC in drilling and completing the Well against any working interest owner who does not voluntarily participate in the drilling of the Well.

Respectfully submitted,

HINKLE SHANOR LLP

/s/ Dana S. Hardy

Dana S. Hardy

Jaclyn M. McLean

Dylan M. Villescascas

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

dhardy@hinklelawfirm.com

jmclean@hinklelawfirm.com

dvillescascas@hinklelawfirm.com

*Counsel for Permian Resources Operating,
LLC*

Application of Permian Resources Operating, LLC for Compulsory Pooling, Eddy County, New Mexico. Applicant seeks an order pooling all uncommitted interests in Second Bone Spring interval of the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Section 25 and the S/2 NE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico (“Unit”). The Unit will be dedicated to the **Boomerang 25 Fed Com 122H** well (“Well”), which will produce from a first take point in the SE/4 NE/4 (Unit H) of Section 25 to a last take point in the SW/4 NE/4 (Unit G) of Section 26. The completed interval of the Well is expected to be orthodox. Due to a depth severance in the Bone Spring Formation within the Unit, Applicant seeks to pool uncommitted interests in the Second Bone Spring interval from approximately 6,945’ MD to 7,850’ MD as shown on the Lee Federal Com #2 well log (API 30-015-24349). Also to be considered will be the cost of drilling and completing the Well and the allocation of the cost, the designation of Applicant as the operator of the Well, and a 200% charge for the risk involved in drilling and completing the Well. The Well is located approximately 10 miles northeast of Carlsbad, New Mexico.

| | | |
|---|---|--|
| <p>C-102</p> <p>Submit Electronically Via OCD Permitting</p> | <p>State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION</p> | <p>Case No. 25077 <small>Revised July 9, 2024</small></p> <p>Exhibit A-2</p> <p>Submittal Type:</p> <p><input type="checkbox"/> Initial Submittal</p> <p><input checked="" type="checkbox"/> Amended Report</p> <p><input type="checkbox"/> As Drilled</p> |
|---|---|--|

WELL LOCATION INFORMATION

| | | |
|--|---|--|
| API Number 30-015-54431 | Pool Code 3713 | Pool Name Avalon; Bone Spring, East |
| Property Code 335842 | Property Name BOOMERANG 25 FED COM | Well Number 122H |
| OGRID No. 372165 | Operator Name PERMIAN RESOURCES OPERATING, LLC | Ground Level Elevation 3236.00' |
| Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal | | Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |

Surface Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| A | 25 | 20-S | 28-E | | 1324' N | 423' E | 32.54821 | -104.12391 | EDDY |

Bottom Hole Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| G | 26 | 20-S | 28-E | | 2160' N | 2552' E | 32.54590 | -104.14813 | EDDY |

| | | | | |
|------------------------|-------------------------------------|--------------------------|---|---------------------------|
| Dedicated Acres 240 | Infill or Defining Well Defining | Defining Well API TBD | Overlapping Spacing Unit (Y/N) N | Consolidation Code TBD |
| Order Numbers. TBD | | | Well setbacks are under Common Ownership: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |

Kick Off Point (KOP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| A | 25 | 20-S | 28-E | | 1324' N | 423' E | 32.54821 | -104.12391 | EDDY |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| H | 25 | 20-S | 28-E | | 2160' N | 100' E | 32.54591 | -104.12290 | EDDY |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| G | 26 | 20-S | 28-E | | 2160' N | 2552' E | 32.54590 | -104.14813 | EDDY |

| | | |
|---|--|-------------------------|
| Unitized Area or Area of Uniform Interest | Spacing Unit Type <input checked="" type="checkbox"/> Horizontal <input type="checkbox"/> Vertical | Ground Floor Elevation: |
|---|--|-------------------------|

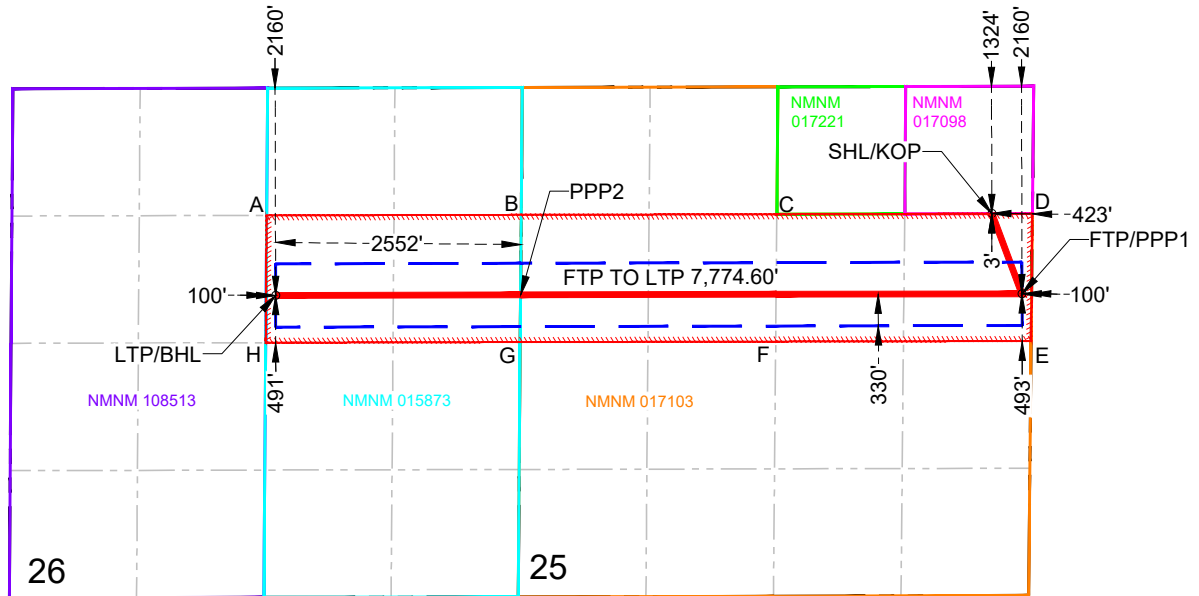
| | |
|---|---|
| <p>OPERATOR CERTIFICATIONS</p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest 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 a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p> <p><i>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</i></p> | <p>SURVEYOR CERTIFICATIONS</p> <p><i>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 beliefs.</i></p> <p style="text-align: center; color: red; font-weight: bold; font-size: 1.2em;">PRELIMINARY</p> <p style="text-align: center; color: red; font-weight: bold; font-size: 0.8em;">THIS DOCUMENT SHALL NOT BE RECORDED FOR ANY PURPOSE AND SHALL NOT BE USED OR VIEWED OR RELIED UPON AS A FINAL SURVEY DOCUMENT.</p> |
| Signature _____ Date _____ | Signature and Seal of Professional Surveyor _____ |
| Printed Name _____ | Certificate Number _____ Date of Survey _____ |
| Email Address _____ | |

Note: 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.

ACREAGE DEDICATION PLATS

This grid represents a standard section. You may superimpose a non-standard section, or larger area, over this grid. Operators must outline the dedicated acreage in a red box, clearly show the well surface location and bottom hole location, if it is directionally drilled, with the dimensions from the section lines in the cardinal directions. If this is a horizontal wellbore show on this plat the location of the First Take Point and Last Take Point, and the point within the Completed interval (other than the First Take Point or Last Take Point) that is closest to any outer boundary of the tract.

Surveyors shall use the latest United States government survey or dependent resurvey. Well locations will be in reference to the New Mexico Principal Meridian. If the land is not surveyed, contact the OCD Engineering Bureau. Independent subdivision surveys will not be acceptable.



| HSU COORDINATE TABLE | | |
|----------------------|-----------|-----------|
| POINT | N: (83) | E: (83) |
| A | 563212.61 | 598311.79 |
| B | 563218.92 | 600964.58 |
| C | 563224.86 | 603626.83 |
| D | 563230.80 | 606288.45 |
| E | 561904.20 | 606275.40 |
| F | 561898.79 | 603614.89 |
| G | 561893.38 | 600953.80 |
| H | 561886.96 | 598302.05 |

| HSU COORDINATE TABLE | | |
|----------------------|-----------|-----------|
| POINT | N: (27) | E: (27) |
| A | 563151.39 | 557131.32 |
| B | 563157.68 | 559784.10 |
| C | 563163.59 | 562446.34 |
| D | 563169.51 | 565107.95 |
| E | 561842.94 | 565094.87 |
| F | 561837.55 | 562434.37 |
| G | 561832.17 | 559773.30 |
| H | 561825.76 | 557121.56 |

SURFACE HOLE LOCATION (SHL)
KICK OFF POINT (KOP)
 NEW MEXICO EAST - NAD 83
 X=605865.62 LAT.= 32.54821° N
 Y=563232.48 LONG.= 104.12391° W
 NEW MEXICO EAST - NAD 27
 X=564685.12 LAT.= 32.54809° N
 Y=563171.20 LONG.= 104.12341° W
 1324' FNL, 423' FEL - SECTION 25

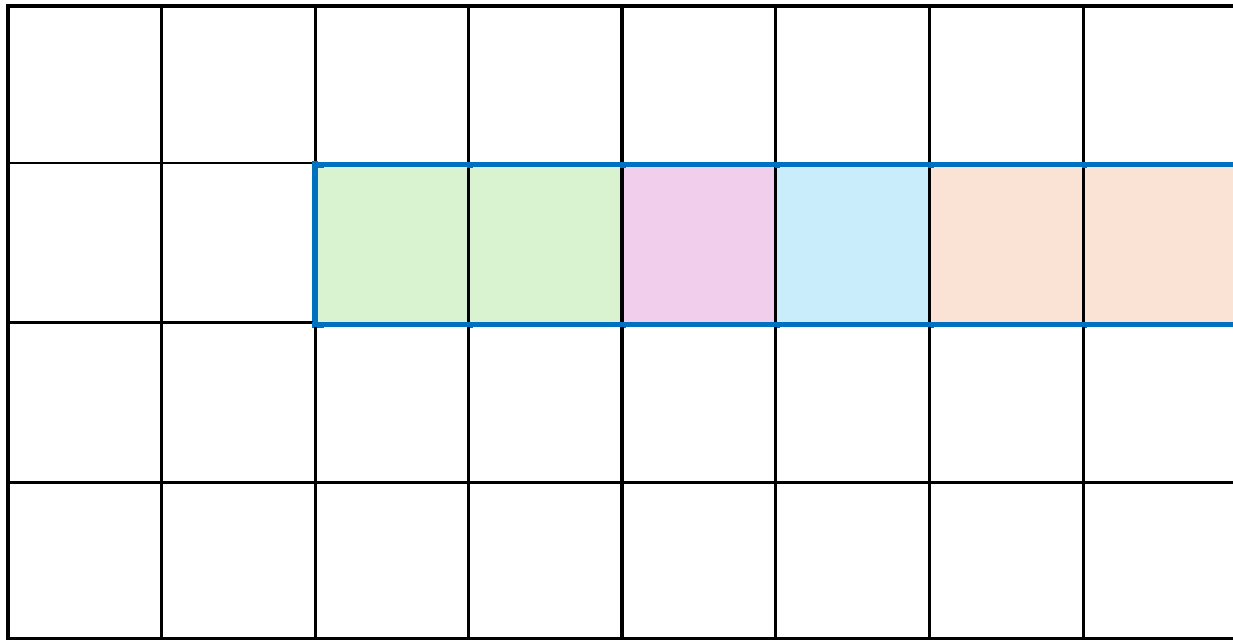
PENETRATION POINT 2 (PPP2)
 NEW MEXICO EAST - NAD 83
 X=600957.80 LAT.= 32.54590° N
 Y=562384.41 LONG.= 104.13985° W
 NEW MEXICO EAST - NAD 27
 X=559777.30 LAT.= 32.54579° N
 Y=562323.19 LONG.= 104.13934° W
 2160' FNL, 0' FEL - SECTION 26
 491' FSL, 0' FEL - LEASE

FIRST TAKE POINT (FTP)
PENETRATION POINT 1 (PPP1)
 NEW MEXICO EAST - NAD 83
 X=606180.24 LAT.= 32.54591° N
 Y=562397.09 LONG.= 104.12290° W
 NEW MEXICO EAST - NAD 27
 X=564999.73 LAT.= 32.54579° N
 Y=562335.82 LONG.= 104.12239° W
 2160' FNL, 100' FEL - SECTION 25
 493' FSL, 100' FEL - LEASE

LAST TAKE POINT (LTP)
BOTTOM HOLE LOCATION (BHL)
 NEW MEXICO EAST - NAD 83
 X=598405.66 LAT.= 32.54590° N
 Y=562378.42 LONG.= 104.14813° W
 NEW MEXICO EAST - NAD 27
 X=557225.18 LAT.= 32.54578° N
 Y=562317.22 LONG.= 104.14762° W
 2160' FNL, 2552' FEL - SECTION 26
 491' FSL, 100' FWL - LEASE

**Permian Resources Operating, LLC
Boomerang 25 Fed Com 122H**

Township 20 South – Range 28 East, N.M.P.M.
Section 26: S/2NE/4
Section 25: S/2N/2
Eddy County, New Mexico
Limited in Depth to the 2nd Bone Spring Formation
240.00 Acres, more or less



Section 26, T20S-R28E

Section 25, T20S-R28E

| |
|--------------------------|
| Tract 1: BLM NMNM-015873 |
| Tract 2: BLM NMNM-017103 |
| Tract 3: BLM NMNM-017103 |
| Tract 4: BLM NMNM-017103 |

**Permian Resources Operating, LLC
Case No. 25077
Exhibit A-3**

Tract 1: Section 26: S/2NE/4 (Containing 80.00 Acres More or Less)

| | |
|----------------------------------|--------------------|
| Permian Resources Operating, LLC | 99.317000% |
| Rockwood Resources, LLC | 0.683000% |
| Total | 100.000000% |

Tract 2: Section 25: SW/4NW/4 (Containing 40.00 Acres More or Less)

| | |
|----------------------------------|--------------------|
| Permian Resources Operating, LLC | 99.218750% |
| Javelina Partners | 0.260417% |
| Zorro Partners, Ltd. | 0.260417% |
| Ard Energy Partners, Ltd | 0.260416% |
| Total | 100.000000% |

Tract 3: Section 25: SE/4NW/4 (Containing 40.00 Acres More or Less)

| | |
|----------------------------------|--------------------|
| Permian Resources Operating, LLC | 99.218750% |
| Javelina Partners | 0.260417% |
| Zorro Partners, Ltd. | 0.260417% |
| Ard Energy Partners, Ltd | 0.260416% |
| Total | 100.000000% |

Tract 4: Section 25: S/2NE/4 (Containing 80.00 Acres More or Less)

| | |
|----------------------------------|--------------------|
| Permian Resources Operating, LLC | 97.656250% |
| Javelina Partners | 0.260417% |
| Zorro Partners, Ltd. | 0.260417% |
| Ard Energy Partners, Ltd | 0.260416% |
| XTO Holdings, LLC | 1.562500% |
| Total | 100.000000% |

Unit Working Interest:

| | |
|----------------------------------|------------|
| Permian Resources Operating, LLC | 98.730667% |
| XTO Holdings, LLC | 0.520833% |
| Rockwood Resources, LLC | 0.227667% |
| Javelina Partners | 0.173611% |
| Zorro Partners, Ltd. | 0.173611% |
| Ard Energy Partners, Ltd | 0.173611% |

| | |
|--------------|--------------------|
| Total | 100.000000% |
|--------------|--------------------|

| | |
|--------------------------------|-------------------|
| Total Committed to Unit | 98.730667% |
|--------------------------------|-------------------|

| | |
|------------------------------|------------------|
| Total Seeking to Pool | 1.269333% |
|------------------------------|------------------|

| | |
|-------------------------|--|
| Parties Seeking to Pool | |
|-------------------------|--|



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

OFFICE 432.695.4222
FAX 432.695.4063

November 14, 2024

Via Certified Mail

Ard Energy Partners, Ltd
PO Box 101027
Fort Worth, TX 76185

RE: Well Proposals – Boomerang 25 Fed Com Wells
Township 20 South – Range 28 East, N.M.P.M.
Section 25: N/2, N/2S/2
Section 26: E/2
Eddy County, New Mexico

To Whom It May Concern:

Permian Resources Operating, LLC (“Permian”) hereby rescinds that certain Well Proposal Letter “Boomerang 25 Fed Com Wells” dated September 25, 2024.

Permian Resources Operating, LLC (“Permian”), as operator, hereby proposes the drilling and completion of the following three (3) wells, the Boomerang 25 Fed Com Wells at the following approximate locations within Township 20 South, Range 28 East, Eddy Co., NM:

- 1. Boomerang 25 Fed Com 121H**
SHL: 456’ FEL & 1,324 FNL of Section 25
BHL: 2,553’ FEL & 840’ FNL of Section 26
FTP: 100’ FEL & 840’ FNL of Section 25
LTP: 2540’ FEL & 840’ FNL of Section 26
TVD: Approximately 7,726’
TMD: Approximately 15,511’
Proration Unit: N/2N/2 of Section 25 & N/2NE/4 Section 26
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE
- 2. Boomerang 25 Fed Com 122H**
SHL: 423’ FEL & 1,324 FNL of Section 25
BHL: 2,552’ FEL & 2,160’ FNL of Section 26
FTP: 100’ FEL & 2,160’ FNL of Section 25
LTP: 2,540’ FEL & 2,160’ FNL of Section 26
TVD: Approximately 7,726’
TMD: Approximately 15,511’
Proration Unit: S/2N/2 of Section 25 & S/2NE/4 Section 26
Targeted Interval: 2nd Bone Spring
Total Cost: See attached AFE
- 3. Boomerang 25 Fed Com 123H (J Turn Well - See Enclosed Plat)**
SHL: 397’ FEL & 1,689’ FSL of Section 25
BHL: 100’ FEL & 330’ FSL of Section 26
FTP: 100’ FEL & 1,830’ FSL of Section 25
LTP: 100’ FEL & 330’ FSL of Section 26

Permian Resources Operating, LLC
Case No. 25077
Exhibit A-4



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

OFFICE 432.695.4222
FAX 432.695.4063

TVD: Approximately 7,693'

TMD: Approximately 17,978'

Proration Unit: N/2S/2 of Section 25 & SE/4 Section 26

Targeted Interval: 2nd Bone Spring

Total Cost: See attached AFE

The locations, TVDs, and targets are approximate and subject to change dependent on surface or subsurface issues encountered. 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 available upon request. The Operating Agreement has the following general provisions:

- 100%/300%/300% non-consent provisions
- \$10,000/\$1,000 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 on the enclosed ballot. Please sign and return one copy of this letter, signed copies of the proposed AFEs, a signed copy of the enclosed insurance declaration, 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 spacing units for the proposed wells. 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 Erin Lloyd at Erin.Lloyd@permianres.com or myself at, Ryan.Curry@permianres.com.

Respectfully,

Ryan Curry | Senior Landman

O 432.400.0209 | ryan.curry@permianres.com

300 N. Marienfeld Street, Suite 1000 | Midland, TX 79701

Enclosures

ELECTIONS ON PAGE TO FOLLOW



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

OFFICE 432.695.4222
FAX 432.695.4063

Boomerang 25 Fed 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 |
| Boomerang 25 Fed Com 121H | | |
| Boomerang 25 Fed Com 122H | | |
| Boomerang 25 Fed Com 123H | | |

Company Name (If Applicable):

By: _____

Printed Name: _____

Date: _____



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

OFFICE 432.695.4222
FAX 432.695.4063

Participate / Rejection Declaration

Please return this page to Permian Resources Operating, LLC (“Permian”) by the date specified in the letter, signed indicating your election to either participate in or reject this insurance program. If you reject the insurance coverage arranged by Permian, then, to the extent that Permian has an obligation to secure any such insurance on your behalf under any applicable agreements or otherwise, Permian will be relieved of such obligation, and Permian will assume that you maintain appropriate levels of insurance and will provide a current Certificate of Insurance upon request. If you fail to make an election within 30 days from receipt of this notice, you will be deemed a participant in the program as detailed on the attached and billed for your percentage participation as such.

- I hereby elect to participate in the insurance coverage arranged by Permian Resources Operating, LLC and understand that I will be charged for such participation.
- I hereby elect to reject the insurance coverage arranged by Permian Resources Operating, LLC.

Company Name (If Applicable):

By: _____

Printed Name: _____

Date: _____



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

OFFICE 432.695.4222
FAX 432.695.4063

| | | |
|---|--|----------------------|
| C-102 Submit Electronically Via OCD Permitting | State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION | Revised July 9, 2024 |
| | Submit Type: <input type="checkbox"/> Initial Submittal <input checked="" type="checkbox"/> Amended Report <input type="checkbox"/> As Drilled | |

WELL LOCATION INFORMATION

| | | |
|--|---|--|
| API Number 30-015-54432 | Pool Code | Pool Name |
| Property Code 335842 | Property Name BOOMERANG 25 FED COM | Well Number 123H |
| OGRID No. 372165 | Operator Name PERMIAN RESOURCES OPERATING, LLC | Ground Level Elevation 3233' |
| Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal | | Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal |

Surface Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| I | 25 | 20-S | 28-E | | 1689' S | 397' E | 32.54192 | -104.12392 | EDDY |

Bottom Hole Location

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| P | 26 | 20-S | 28-E | | 330' S | 100' E | 32.53817 | -104.14026 | EDDY |

| | | | | |
|------------------------|-------------------------|-------------------|--|--------------------|
| Dedicated Acres 480 | Infill or Defining Well | Defining Well API | Overlapping Spacing Unit (Y/N) | Consolidation Code |
| Order Numbers. | | | Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input type="checkbox"/> No | |

Kick Off Point (KOP)

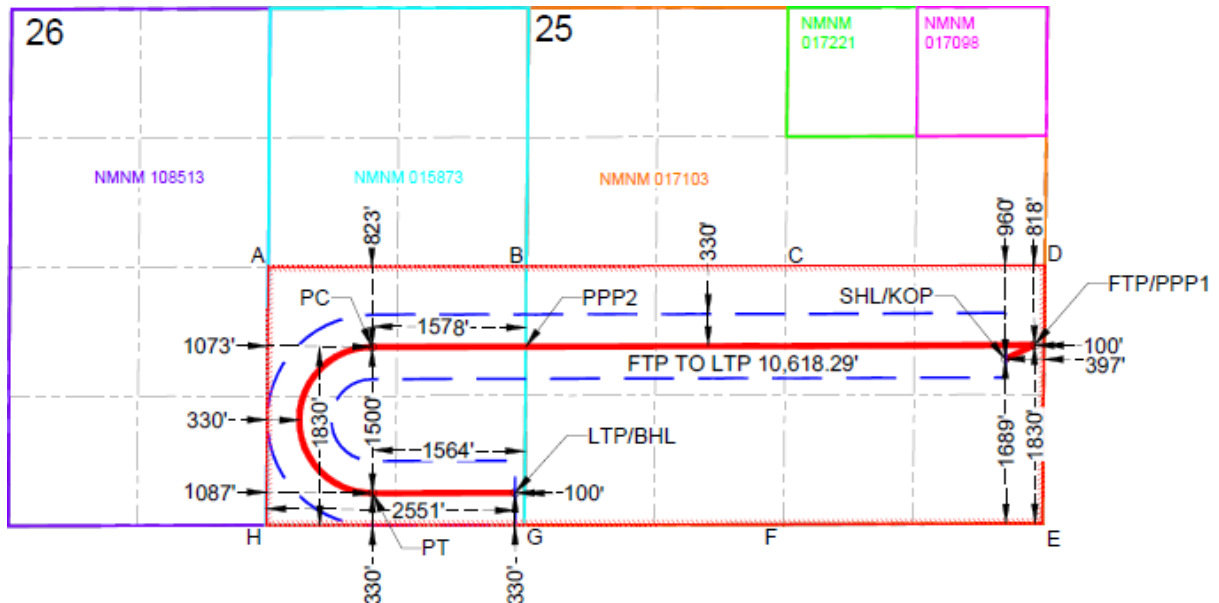
| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| I | 25 | 20-S | 28-E | | 1689' S | 397' E | 32.54192 | -104.12392 | EDDY |

First Take Point (FTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| I | 25 | 20-S | 28-E | | 1830' S | 100' E | 32.54231 | -104.12295 | EDDY |

Last Take Point (LTP)

| UL | Section | Township | Range | Lot | Ft. from N/S | Ft. from E/W | Latitude | Longitude | County |
|----|---------|----------|-------|-----|--------------|--------------|----------|------------|--------|
| P | 26 | 20-S | 28-E | | 330' S | 100' E | 32.53817 | -104.14026 | EDDY |



| | | | |
|------------------------|---------------------------|---------------------|---------------------------|
| AFE Number: | | Description: | BOOMERANG 25 FED COM 122H |
| AFE Name: | BOOMERANG 25 FED COM 122H | AFE TYPE: | Drill and Complete |
| Well Operator: | COLGATE ENERGY | | |
| Operator AFE #: | | | |

| <u>Account</u> | <u>Description</u> | <u>Gross Est. (\$)</u> |
|------------------------------|--|------------------------|
| Drilling Intangible | | |
| 8015.3100 | IDC - CASING CREW & TOOLS | \$47,500.00 |
| 8015.2500 | IDC - MUD/CHEMICALS/ACIDIZING | \$174,333.00 |
| 8015.1400 | IDC - ROAD, LOCATIONS, PITS | \$95,625.00 |
| 8015.3800 | IDC - WELLHEAD PREPARE/REPAIR | \$12,500.00 |
| 8015.2000 | IDC - CONDUCTOR HOLE & SERVICE | \$42,500.00 |
| 8015.4200 | IDC - MANCAMP | \$27,300.00 |
| 8015.3000 | IDC - CEMENT SERV/FLOAT EQUIP | \$143,200.00 |
| 8015.4300 | IDC - WELLSITE SUPERVISION | \$60,900.00 |
| 8015.1100 | IDC - STAKING & SURVEYING | \$15,000.00 |
| 8015.3600 | IDC - SOLIDS CONTROL/ CLOSED LOOP SYSTEM | \$41,278.00 |
| 8015.1700 | IDC - DAYWORK CONTRACT | \$404,972.00 |
| 8015.1000 | IDC - PERMITS,LICENSES,ETC | \$15,000.00 |
| 8015.1600 | IDC - RIG MOB / STANDBY RATE | \$36,300.00 |
| 8015.2400 | IDC - RIG WATER | \$13,125.00 |
| 8015.3500 | IDC - TRUCKING/VACUUM/ TRANSP | \$15,750.00 |
| 8015.2350 | IDC - FUEL/MUD | \$64,500.00 |
| 8015.5200 | IDC - CONTINGENCY | \$93,742.00 |
| 8015.2300 | IDC - FUEL / POWER | \$98,175.00 |
| 8015.1300 | IDC - SURFACE DAMAGE / ROW | \$35,000.00 |
| 8015.1310 | IDC - PERMANENT EASEMENT | \$12,000.00 |
| 8015.4100 | IDC - RENTAL EQUIPMENT | \$57,750.00 |
| 8015.2150 | IDC - DRILL BIT | \$98,000.00 |
| 8015.3700 | IDC - DISPOSAL | \$122,661.00 |
| 8015.2700 | IDC - INSPECTION, TESTING & REPAIR | \$37,000.00 |
| 8015.5000 | IDC - WELL CONTROL INSURANCE | \$5,775.00 |
| 8015.3200 | IDC - CONTRACT LABOR/ROUSTABOUT | \$27,000.00 |
| 8015.4600 | IDC - SAFETY / ENVIRONMENTAL | \$11,550.00 |
| 8015.3400 | IDC - MATERIALS & SUPPLIES | \$5,000.00 |
| 8015.1200 | IDC - LEGAL, TITLE SERVICES | \$13,000.00 |
| 8015.2200 | IDC - BITS, TOOLS, STABILIZERS | \$50,046.00 |
| 8015.1900 | IDC - DIRECTNL DRILL & SURVEY | \$172,922.00 |
| 8015.1500 | IDC - RIG MOB / TRUCKING | \$127,500.00 |
| | Sub-total | \$2,176,904.00 |
| Completion Intangible | | |
| 8025.3800 | ICC - OVERHEAD | \$10,000.00 |
| 8025.1400 | ICC - WIRELINE OPEN/CASED HOLE | \$40,000.00 |
| 8025.1800 | ICC - WATER DISPOSAL/VACUUM TRUCK | \$12,653.00 |
| 8025.3050 | ICC - SOURCE WATER | \$212,195.00 |
| 8025.3700 | ICC - SAFETY / ENVIRONMENTAL | \$15,000.00 |
| 8025.1500 | ICC - FUEL / POWER | \$391,654.00 |

| <u>Account</u> | <u>Description</u> | <u>Gross Est. (\$)</u> |
|----------------------------|--------------------------------------|------------------------|
| 8025.3500 | ICC - WELLSITE SUPERVISION | \$52,650.00 |
| 8025.2300 | ICC - COMPLETION FLUIDS | \$10,000.00 |
| 8025.2200 | ICC - ELECTRIC LOGGING / PERFORATING | \$463,693.00 |
| 8025.2000 | ICC - TRUCKING | \$14,375.00 |
| 8025.3400 | ICC - RENTAL EQUIPMENT | \$158,625.00 |
| 8025.2600 | ICC - CONTRACT LABOR/ROUSTABOUT | \$15,000.00 |
| 8025.2500 | ICC - WELL STIMULATION/FRACTUR | \$1,651,978.00 |
| 8025.3000 | ICC - WATER HANDLING | \$142,276.00 |
| 8025.1600 | ICC - COILED TUBING | \$230,158.00 |
| 8025.3100 | ICC - WELLHEAD/FRACTREE REPAIR | \$40,000.00 |
| 8025.3600 | ICC - SUPERVISION/ENGINEERING | \$5,000.00 |
| 8025.1100 | ICC - ROAD, LOCATIONS, PITS | \$10,500.00 |
| | Sub-total | \$3,475,757.00 |
| Flowback Intangible | | |
| 8040.3500 | IFC - WELLSITE SUPERVISION | \$10,000.00 |
| 8040.4000 | IFC - CHEMICALS | \$15,000.00 |
| 8040.2000 | IFC - TRUCKING/VACUUM/TRANSP | \$20,000.00 |
| 8040.1899 | IFC - FRAC WATER RECOVERY | \$215,000.00 |
| 8040.3430 | IFC - SURFACE PUMP RENTAL | \$20,000.00 |
| 8040.2900 | IFC - WELL TESTING / FLOWBACK | \$125,000.00 |
| 8040.3420 | IFC - TANK RENTALS | \$20,000.00 |
| | Sub-total | \$425,000.00 |
| Facilities | | |
| 8035.3400 | FAC - METER & LACT | \$27,000.00 |
| 8035.4400 | FAC - COMPANY LABOR | \$2,500.00 |
| 8035.3000 | FAC - HEATER TREATER/SEPARATOR | \$102,500.00 |
| 8035.2500 | FAC - CONSULTING SERVICES | \$2,500.00 |
| 8035.2900 | FAC - TANK BATTERY | \$5,000.00 |
| 8035.2200 | FAC - CONTRACT LABOR / ROUSTAB | \$50,000.00 |
| 8035.1900 | FAC - WATER DISPOSAL / SWD | \$500.00 |
| 8035.2400 | FAC - SUPERVISION | \$17,500.00 |
| 8035.1600 | FAC - TRANSPORTATION TRUCKING | \$5,000.00 |
| 8035.1500 | FAC - MATERIALS & SUPPLIES | \$1,250.00 |
| 8035.2100 | FAC - INSPECTION & TESTING | \$1,250.00 |
| 8035.3600 | FAC - ELECTRICAL | \$20,000.00 |
| 8035.3200 | FAC - VALVES FITTINGS & PIPE | \$40,000.00 |
| 8035.4500 | FAC - CONTINGENCY | \$9,000.00 |
| 8035.3700 | FAC - AUTOMATION MATERIAL | \$10,000.00 |
| 8035.1700 | FAC - RENTAL EQUIPMENT | \$15,000.00 |
| | Sub-total | \$309,000.00 |
| Pipeline | | |
| 8036.2200 | PLN - CONTRACT LABOR | \$48,048.00 |
| 8036.1310 | PLN - PERMANENT EASEMENT | \$15,600.00 |
| 8036.2800 | PLN - FLOWLINE MATERIAL | \$68,640.00 |
| 8036.3200 | PLN - VALVES FITTINGS & PIPE | \$15,000.00 |
| | Sub-total | \$147,288.00 |

| <u>Account</u> | <u>Description</u> | <u>Gross Est. (\$)</u> |
|-----------------------------------|---|------------------------|
| Artificial Lift Tangible | | |
| 8065.3100 | TAL - MEASUREMENT EQUIPMENT | \$30,000.00 |
| 8065.1320 | TAL - GAS LIFT EQUIPMENT/INSTALL | \$5,000.00 |
| 8065.2300 | TAL - GAS LIFT INJECTION LINE & INSTALL | \$110,000.00 |
| 8065.2500 | TAL - VALVES/CONNECTIONS/FTGS | \$15,000.00 |
| 8065.2400 | TAL - COMPRESSOR INSTALL & STARTUP | \$120,000.00 |
| 8065.3200 | TAL - COMM, TELEMETRY & AUTOMA | \$10,000.00 |
| 8065.2000 | TAL - WELLHEAD EQUIPMENT | \$50,000.00 |
| 8065.1100 | TAL - TUBING | \$125,000.00 |
| | Sub-total | \$465,000.00 |
| Artificial Lift Intangible | | |
| 8060.3400 | IAL - RENTAL EQUIPMENT | \$5,000.00 |
| 8060.3410 | IAL - LAYDOWN MACHINE | \$5,000.00 |
| 8060.3500 | IAL - WELLSITE SUPERVISION | \$5,000.00 |
| 8060.1200 | IAL - WORKOVER RIG | \$10,000.00 |
| 8060.2300 | IAL - COMPLETION FLUIDS | \$5,000.00 |
| 8060.2600 | IAL - CONTRACT LABOR/ROUSTABOUT | \$10,000.00 |
| 8060.2000 | IAL - TRUCKING/VACUUM/TRANSP | \$5,000.00 |
| 8060.1900 | IAL - INSPECTION & TESTING | \$5,000.00 |
| 8060.3420 | IAL - REVERSE UNIT RENTAL | \$5,000.00 |
| 8060.2010 | IAL - KILL TRUCK | \$5,000.00 |
| | Sub-total | \$60,000.00 |
| Drilling Tangible | | |
| 8020.1200 | TDC - CASING - INTERMEDIATE - 1 | \$86,126.00 |
| 8020.1100 | TDC - CASING - SURFACE | \$18,738.00 |
| 8020.1500 | TDC - WELLHEAD EQUIPMENT | \$53,125.00 |
| 8020.1400 | TDC - CASING - PRODUCTION | \$357,842.00 |
| | Sub-total | \$515,831.00 |
| Completion Tangible | | |
| 8030.2000 | TCC - WELLHEAD EQUIPMENT | \$47,250.00 |
| | Sub-total | \$47,250.00 |
| Grand Total | | \$7,622,030.00 |

Company Name (If Applicable):

By: _____

Printed Name: _____

Date: _____



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

OFFICE 432.695.4222
FAX 432.695.4063

Boomerang– Chronology of Communication

September 25, 2024 – Proposals sent to all parties.

October 1, 2024 – Received well elections from Javelina Partners and emailed correspondence regarding proposal details.

October 1, 2024 – Received well elections from Zorro Partners, Ltd. and emailed correspondence regarding proposal details.

October 1, 2024 – Email correspondence with Rockwood Resources, LLC regarding JOA.

October 2, 2024 - Email correspondence with Rockwood Resources, LLC regarding JOA.

October 3, 2024 - Email correspondence with Rockwood Resources, LLC regarding JOA.

October 11, 2024 - Email correspondence with Rockwood Resources, LLC regarding JOA.

November 14, 2024 – Email correspondence with Javelina Partners regarding revised proposal.

November 14, 2024 – Email correspondence with Zorro Partners, Ltd. regarding revised proposal.

November 14, 2024 - Email correspondence with XTO Holdings, LLC regarding revised proposal.

November 14, 2024 - Email correspondence with Rockwood Resources, LLC regarding revised proposal.

November 19, 2024 – Received well elections from Javelina Partners by email.

November 19, 2024 – Received well elections from Zorro Partners, Ltd. by email.

November 21, 2024 – Received well elections from Rockwood Resources, LLC & email correspondence regarding JOA.

November 21, 2024 – Email correspondence with XTO regarding JOA

December 11, 2024 – Email correspondence with Javelin Partners regarding proposal.

December 11, 2024 - Email correspondence with Zorro Partners, Ltd. regarding proposal.

December 11, 2024 – Email correspondence with Ard Energy Partners, Ltd. regarding proposal and JOA.

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

APPLICATIONS OF PERMIAN RESOURCES
OPERATING, LLC FOR COMPULSORY
POOLING, EDDY COUNTY, NEW MEXICO.

CASE NOS. 25076, 25077
25078

SELF-AFFIRMED STATEMENT
OF CHRISTOPHER CANTIN

1. I am a geologist with Permian Resources Operating, LLC (“Permian Resources”). I am over 18 years of age, 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 geology were accepted and made a matter of record.

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

3. **Exhibit B-1** is a regional locator map that identifies the Boomerang 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 units within the Bone Spring formation. The approximate wellbore paths for the proposed **Boomerang 25 Fed Com 121H, Boomerang 25 Fed Com 122H, and Boomerang 25 Fed Com 123H** wells (“Wells”) are represented by dashed orange lines. Existing producing wells in the targeted interval are represented by solid orange lines. This map identifies the cross-section running from A-A’ with the cross-section well’s name and a black line in proximity to the proposed Wells.

**Permian Resources Operating, LLC
Case No. 25077
Exhibit B**

5. **Exhibit B-3** is a Subsea Structure map of the Base of 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 an orange line. It also identifies the location of the cross-section 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 southeast 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, which I used to construct a stratigraphic cross-section from A to A'. It contains gamma ray, resistivity, and porosity logs. The cross section is oriented from west to east and is hung at the base of the Second Bone Spring formation. The proposed landing zone for the Wells is labeled on the exhibit. The approximate well-paths for the proposed Wells are indicated by a dashed orange line to be drilled from east to west across the units. This cross-section demonstrates the target interval is continuous across the Unit.

7. **Exhibit B-5** is a gun barrel diagram that shows the proposed wells in the Bone Spring formation. The spacing units are defined by blue boxes and are labeled with their respective case numbers.

8. In my opinion, a lay down 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.



CHRISTOPHER CANTIN

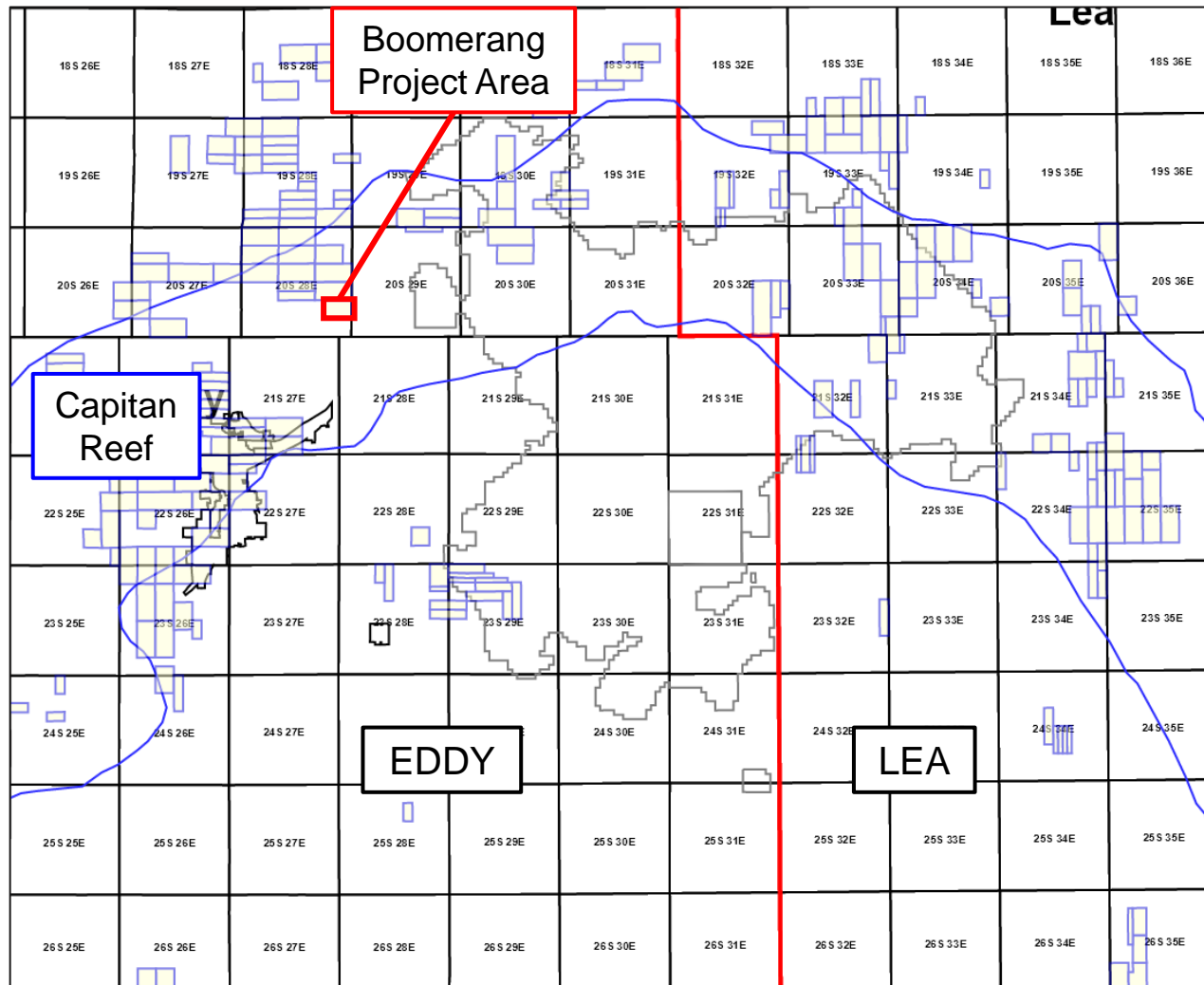
12-15-24
Date


Regional Locator Map

Boomerang 25 Fed Com

Permian Resources Operating, LLC
Case No. 25077
Exhibit B-1

Exhibit B-1



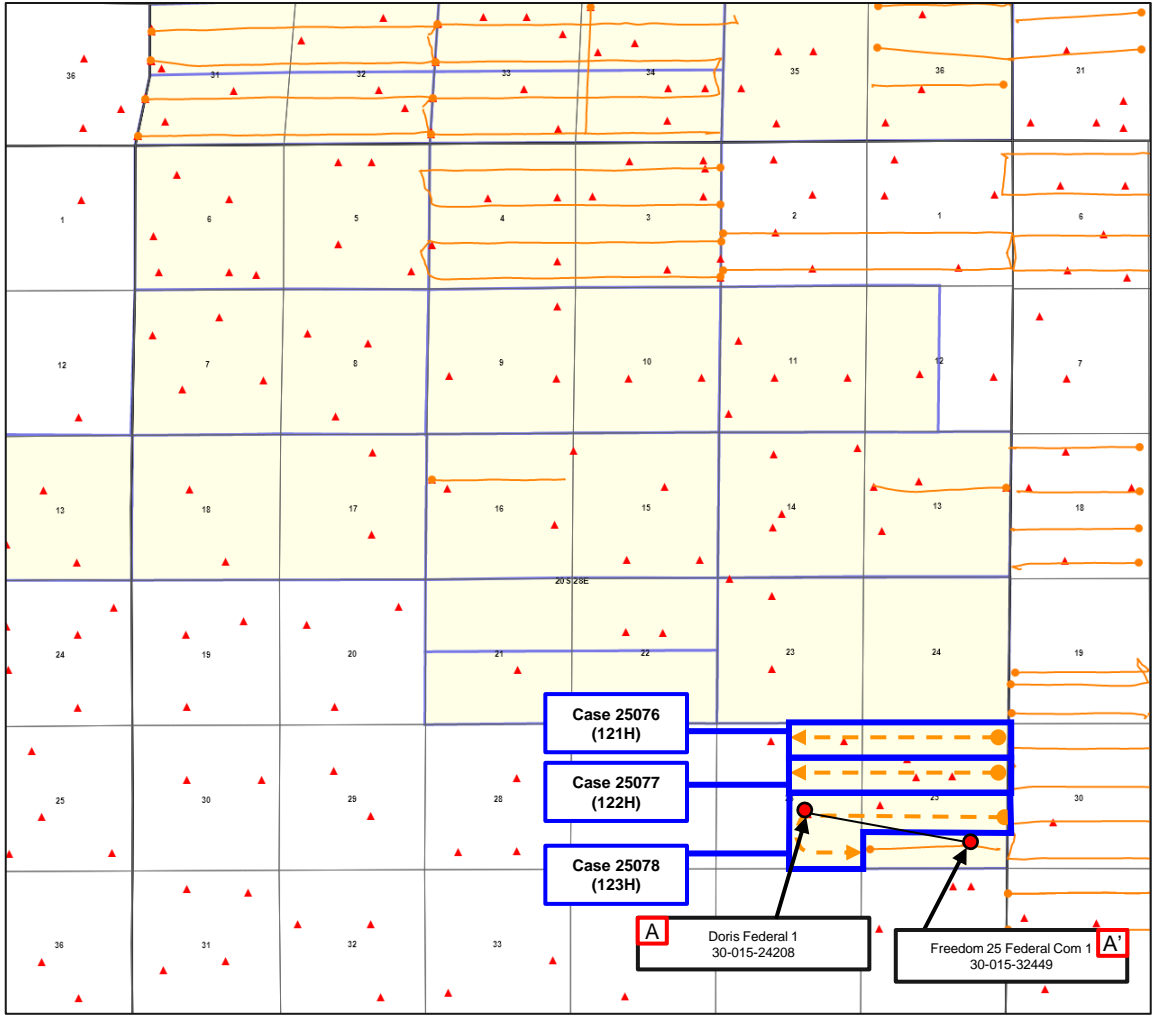
Permian Resources


Cross-Section Locator Map

Boomerang 25 Fed Com Second Bone Spring

Permian Resources Operating, LLC
Case No. 25077
Exhibit B-2

Exhibit B-2



Control Point
▲

Proposed Wells
SBSG
● SHL → BHL

Producing Wells
SBSG
● BHL → SHL

Permian Resources

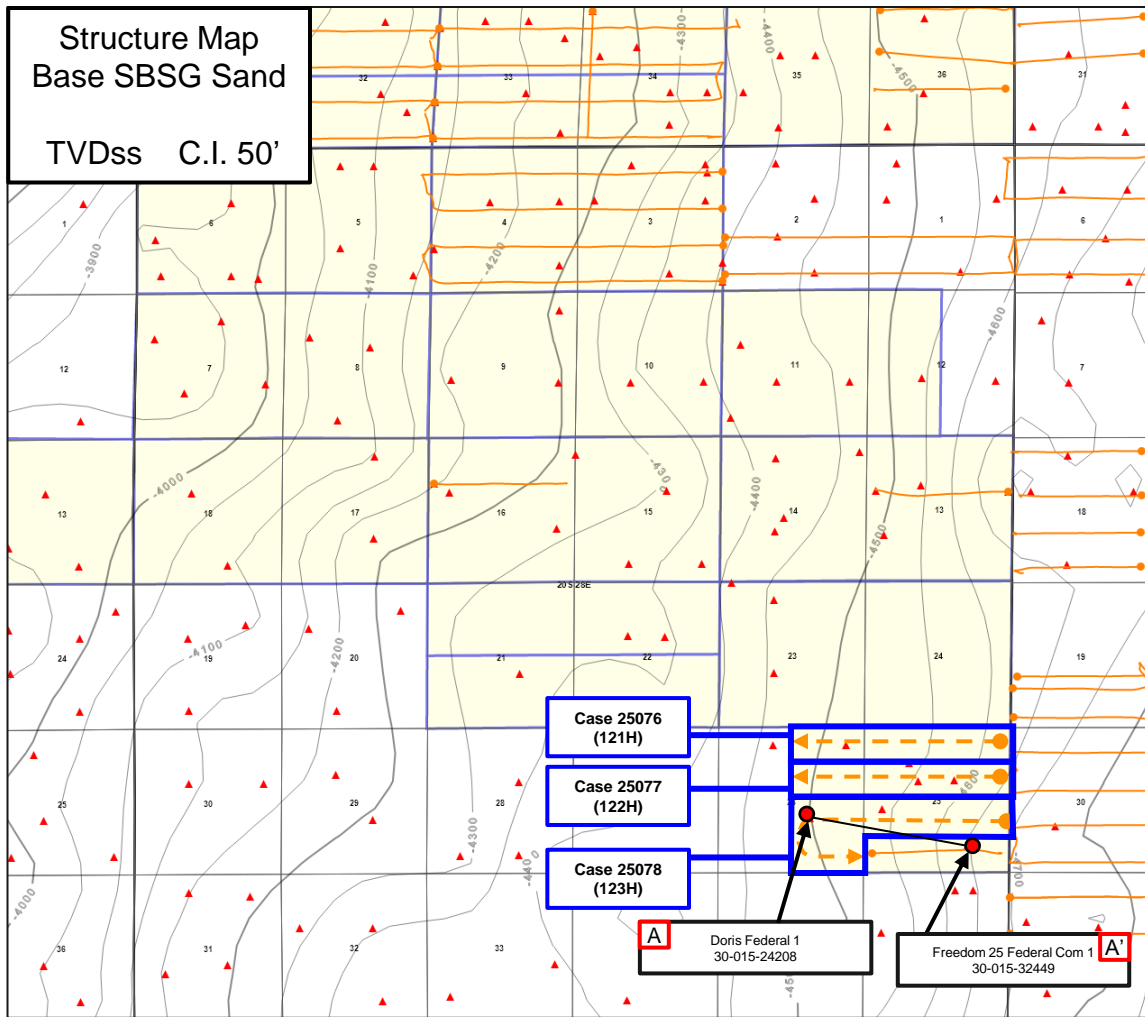
Base of Second Bone Spring – Structure Map

Boomerang 25 Fed Com

Case No. 25077

Exhibit B-3

Exhibit B-3



Control Point



Proposed Wells



Producing Wells



Permian Resources

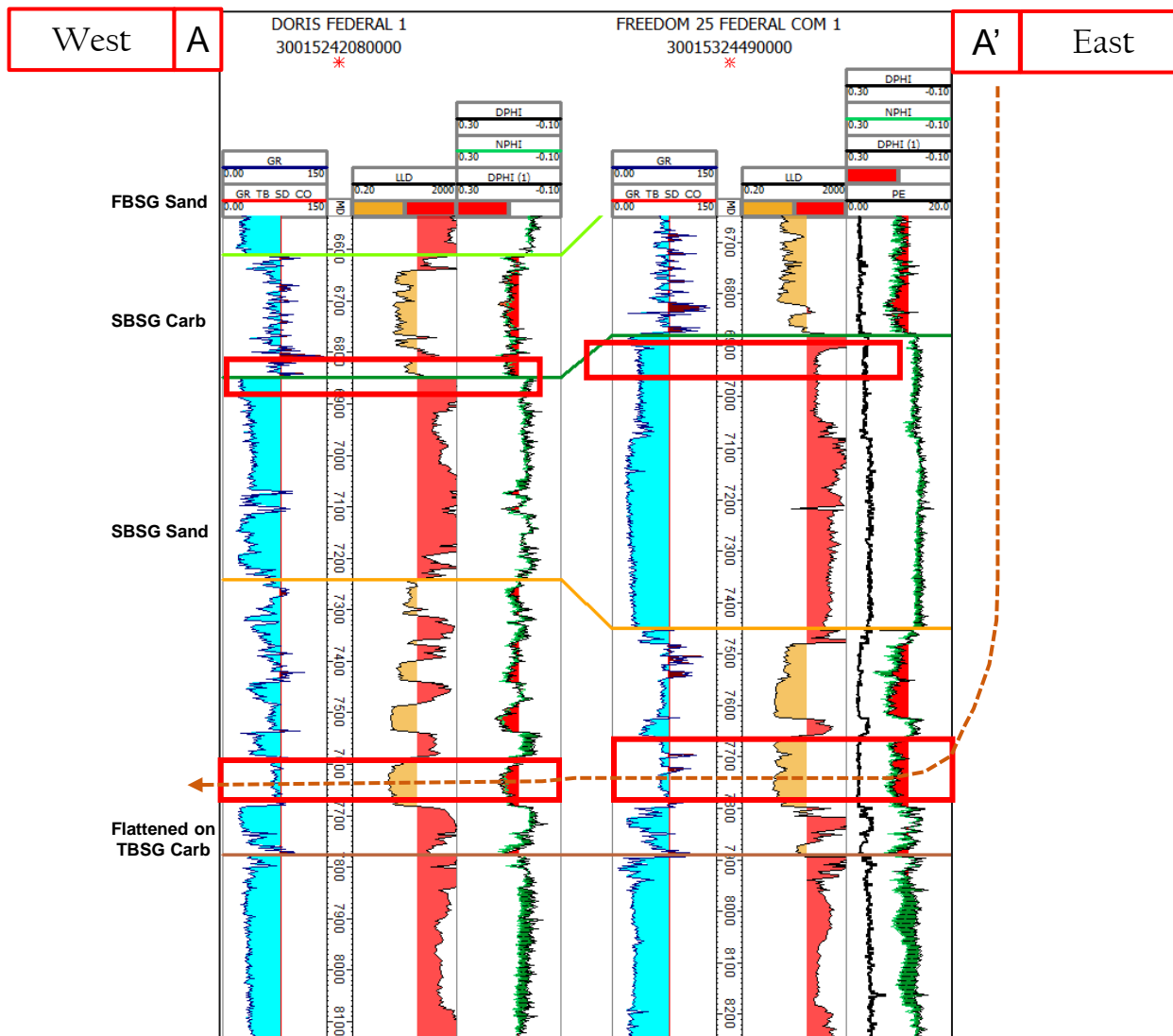


Stratigraphic Cross-Section A-A'

Boomerang 25 Fed Com Second

Permian Resources Operating, LLC
Case No. 25077
Exhibit B-4

Exhibit B-4



Gun Barrel Development Plan

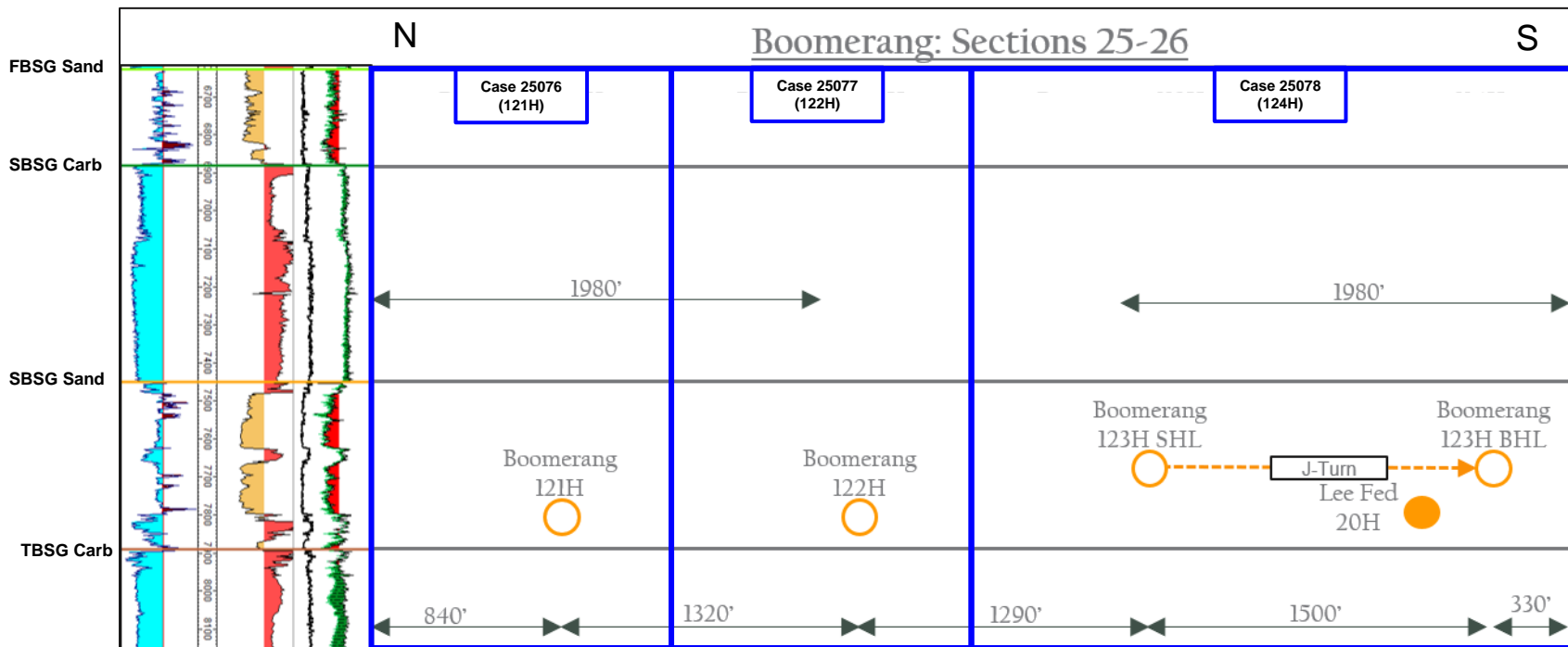
Boomerang 25 Fed Com Second Bone Spring

Permian Resources Operating, LLC
Case No. 25077
Exhibit B-5

Exhibit B-5



- SBSG Proposed
- SBSG Producing



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

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

CASE NO. 25077

**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 Applications 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 December 19, 2024, I caused a notice to be published in the Carlsbad Current - Argus. An Affidavit of Publication from the Legal Clerk of the Carlsbad Current - Argus 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 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 handwritten next to my signature below.

/s/ Dana S. Hardy
Dana S. Hardy

December 30, 2024
Date

**Permian Resources Operating, LLC
Case No. 25077
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

December 16, 2024

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

TO ALL PARTIES ENTITLED TO NOTICE

Re: Case Nos. 25076, 25077, & 25078 – Applications of Permian Resources Operating, LLC for Compulsory Pooling, Eddy County, New Mexico.

To whom it may concern:

This letter is to advise you that the enclosed applications were filed with the New Mexico Oil Conservation Division. The hearing will be conducted on **January 9, 2025**, beginning at 9:00 a.m.

The hearing will be conducted in a hybrid fashion, both virtually and in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. To participate virtually, 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.

If you have any questions about this application, please contact Ryan Curry, Senior Landman at Permian Resources Operating, LLC, via e-mail at ryan.curry@permianres.com

Sincerely,

/s/ Dana S. Hardy

Dana S. Hardy

Enclosure

Permian Resources Operating, LLC
Case No. 25077
Exhibit C-1

| PARTY | NOTICE LETTER SENT | RETURN RECEIVED |
|--|--------------------------------------|--|
| Ard Energy Group LP PO Box 101027 Fort Worth, TX 76185 | 12-16-2024 9589071052702305987168 | USPS Tracking 12-30-2024: Item delivered 12-24-2024 |
| Ard Energy Partners, Ltd PO Box 101027 Fort Worth, TX 76185 | 12-16-2024 9589071052702305987175 | USPS Tracking 12-30-2024: Item delivered 12-24-2024 |
| Javelina Partners 616 Texas St Fort Worth, TX 76102 | 12-16-2024 9589071052702305987182 | USPS Tracking 12-30-2024: Item delivered 12-20-2024 |
| OXY USA INC 5 Greenway Plaza Ste 110 Houston, TX 77046 | 12-16-2024 9589071052702305987199 | USPS Tracking 12-30-2024: Item delivered 12-20-2024 |
| Rockwood Resources, LLC 4450 Oak Park Lane Ste. 101897 Fort Worth, TX 76109 | 12-16-2024 9589071052702305987205 | USPS Tracking 12-30-2024: Item in transit |
| XTO Holdings, LLC PO Box 840780 Dallas, TX 76102 | 12-16-2024 9589071052702305987212 | USPS Tracking 12-30-2024: Item delivered 12-20-2024 |
| Zorro Partners, Ltd 616 Texas St. Fort Worth, TX 76102 | 12-16-2024 9589071052702305987229 | USPS Tracking 12-30-2024: Item delivered 12-20-2024 |

Permian Resources Operating, LLC
Case No. 25077
Exhibit C-2

9589 0770 5270 2305 9871 68

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| Certified Mail Fee | \$ |
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| <input type="checkbox"/> Return Receipt (hardcopy) | \$ |
| <input type="checkbox"/> Return Receipt (electronic) | \$ |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$ |
| <input type="checkbox"/> Adult Signature Required | \$ |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$ |
| Postage | \$ |
| Total Postage and Fees | \$ |

Sent To

Street av Ard Energy Group LP
 PO Box 101027
 City, Sta Fort Worth, TX 76185
 25076-25078 PRO Boomerang

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Postmark Here
 DEC 6 2024

Permian Resources Operating, LLC
Case No. 25077
Exhibit C-3

ALERT: CANADA POST ADVISES THAT THE STRIKE BY ITS EMPLOYEES HAS ENDED. HOWEV...

USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052702305987168

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Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was picked up at the post office at 11:57 am on December 24, 2024 in FORT WORTH, TX 76109.

Get More Out of USPS Tracking:

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Feedback

Delivered

Delivered, Individual Picked Up at Post Office

FORT WORTH, TX 76109

December 24, 2024, 11:57 am

Available for Pickup

TRINITY RIVER

4450 OAK PARK LN

FORT WORTH TX 76109-9998

M-F 0630-1800; SAT 0730-1430

December 21, 2024, 3:16 pm

Arrived at Post Office

FORT WORTH, TX 76109

December 21, 2024, 2:57 pm

Departed USPS Regional Facility

FORT WORTH TX DISTRIBUTION CENTER

December 19, 2024, 11:28 pm

Arrived at USPS Regional Facility

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| <input type="checkbox"/> Return Receipt (hardcopy) | \$ _____ |
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| <input type="checkbox"/> Adult Signature Required | \$ _____ |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$ _____ |



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| Postage | \$ |
| Total Postage and Fees | \$ |

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|---------|---------------------------|
| Sent To | Ard Energy Partners, Ltd |
| Street | PO Box 101027 |
| City, S | Fort Worth, TX 76185 |
| | 25076-25078 PRO Boomerang |

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

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FAQs >

Tracking Number:

Remove X

9589071052702305987175

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Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was picked up at the post office at 11:57 am on December 24, 2024 in FORT WORTH, TX 76109.

Get More Out of USPS Tracking:

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Delivered

Delivered, Individual Picked Up at Post Office

FORT WORTH, TX 76109

December 24, 2024, 11:57 am

See All Tracking History

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

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Product Information



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Track Another Package



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|--|--|
| U.S. Postal Service™ CERTIFIED MAIL® RECEIPT Domestic Mail Only | |
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| Extra Services & Fees (check box, add fee as appropriate) | |
| <input type="checkbox"/> Return Receipt (hardcopy) \$ _____ | |
| <input type="checkbox"/> Return Receipt (electronic) \$ _____ | |
| <input type="checkbox"/> Certified Mail Restricted Delivery \$ _____ | |
| <input type="checkbox"/> Adult Signature Required \$ _____ | |
| <input type="checkbox"/> Adult Signature Restricted Delivery \$ _____ | |
| Postage \$ _____ | |
| Total Postage and Fees \$ _____ | |
| Sent To Javelina Partners Street 616 Texas St Fort Worth, TX 76102 City, State, ZIP+4® 25076-25078 PRO Boomerang | |
| PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions | |

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USPS Tracking[®]

FAQs >

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Latest Update

Your item was delivered to the front desk, reception area, or mail room at 2:51 pm on December 20, 2024 in FORT WORTH, TX 76102.

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Feedback

Delivered

Delivered, Front Desk/Reception/Mail Room

FORT WORTH, TX 76102

December 20, 2024, 2:51 pm

[See All Tracking History](#)

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

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Product Information



See Less ^


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| Certified Mail Fee \$ _____ |  |
| Extra Services & Fees (check box, add fee as appropriate) | |
| <input type="checkbox"/> Return Receipt (hardcopy) \$ _____ | |
| <input type="checkbox"/> Return Receipt (electronic) \$ _____ | |
| <input type="checkbox"/> Certified Mail Restricted Delivery \$ _____ | |
| <input type="checkbox"/> Adult Signature Required \$ _____ | |
| <input type="checkbox"/> Adult Signature Restricted Delivery \$ _____ | |
| Postage \$ _____ | |
| Total Postage and Fees \$ _____ | |
| Sent To Street s OXY USA INC 5 Greenway Plaza Ste 110 City, St: Houston, TX 77046 25076-25078 PRO Boomemng | |

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

9589 0710 5270 2305 9871 99

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USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052702305987199

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Latest Update

Your item has been delivered to an agent at the front desk, reception, or mail room at 11:08 am on December 20, 2024 in HOUSTON, TX 77046.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Feedback

Delivered to Agent

Delivered to Agent, Front Desk/Reception/Mail Room

HOUSTON, TX 77046

December 20, 2024, 11:08 am

Arrived at USPS Regional Facility

NORTH HOUSTON TX DISTRIBUTION CENTER

December 19, 2024, 10:11 pm

Arrived at USPS Regional Facility

SOUTH HOUSTON PROCESSING CENTER

December 19, 2024, 8:14 am

In Transit to Next Facility

December 18, 2024

Departed USPS Facility

ALBUQUERQUE, NM 87101

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| Certified Mail Fee | \$ |
| Extra Services & Fees (check box, add fee as appropriate) | |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$ |
| <input type="checkbox"/> Return Receipt (electronic) | \$ |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$ |
| <input type="checkbox"/> Adult Signature Required | \$ |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$ |
| Postage | \$ |
| Total Postage and Fees | \$ |

Sent To
Str Rockwood Resources, LLC
 4450 Oak Park Lane
 Ste. 101897
Cit Fort Worth, TX 76109
 25076-25078 PRO Boomerang

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions



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USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052702305987205

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your package is moving within the USPS network and is on track to be delivered to its final destination. It is currently in transit to the next facility.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Delivered

Out for Delivery

Preparing for Delivery

Moving Through Network

In Transit to Next Facility

December 23, 2024

Departed USPS Regional Facility

FORT WORTH TX DISTRIBUTION CENTER

December 19, 2024, 11:28 pm

See All Tracking History

Feedback

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

Text & Email Updates



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|--|---------------------------|--|
| Certified Mail Fee | \$ |  |
| Extra Services & Fees (check box, add fee as appropriate) | | |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$ | |
| <input type="checkbox"/> Return Receipt (electronic) | \$ | |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$ | |
| <input type="checkbox"/> Adult Signature Required | \$ | |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$ | |
| Postage | \$ | |
| Total Postage and Fees | \$ | |
| Sent To | | |
| Street | XTO Holdings, LLC | |
| | PO Box 840780 | |
| City, State | Dallas, TX 76102 | |
| | 25076-25078 PRO Boomarang | |

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

ALERT: CANADA POST ADVISES THAT THE STRIKE BY ITS EMPLOYEES HAS ENDED. HOWEV...

USPS Tracking®

FAQs >

Tracking Number:

Remove X

9589071052702305987212

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item has been delivered and is available at a PO Box at 4:31 am on December 20, 2024 in DALLAS, TX 75266.

Get More Out of USPS Tracking:

USPS Tracking Plus®

Feedback

Delivered

Delivered, PO Box

DALLAS, TX 75266

December 20, 2024, 4:31 am

Available for Pickup

DALLAS

401 TOM LANDRY HWY

DALLAS TX 75260-9998

M-F 0800-2200; SAT 0900-2000; SUN 1100-1800

December 20, 2024, 3:19 am

Arrived at Post Office

DALLAS, TX 75260

December 20, 2024, 2:54 am

Departed USPS Regional Facility

DALLAS TX DISTRIBUTION CENTER

December 19, 2024, 10:57 pm

Arrived at USPS Regional Facility

9589 0710 5270 2305 9872 29

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|--|----|
| Certified Mail Fee | \$ |
| Extra Services & Fees (check box, add fee as appropriate) | |
| <input type="checkbox"/> Return Receipt (hardcopy) | \$ |
| <input type="checkbox"/> Return Receipt (electronic) | \$ |
| <input type="checkbox"/> Certified Mail Restricted Delivery | \$ |
| <input type="checkbox"/> Adult Signature Required | \$ |
| <input type="checkbox"/> Adult Signature Restricted Delivery | \$ |

| | |
|------------------------|----|
| Postage | \$ |
| Total Postage and Fees | \$ |

| | |
|-------------|--------------------------|
| Sent To | Zorro Partners, Ltd |
| Street | 616 Texas St |
| | Fort Worth, TX 76102 |
| City, State | 25076-25078 PRO Boomerng |



ALERT: CANADA POST ADVISES THAT THE STRIKE BY ITS EMPLOYEES HAS ENDED. HOWEV...

USPS Tracking[®]

FAQs >

Tracking Number:

Remove X

9589071052702305987229

Copy

Add to Informed Delivery (<https://informedelivery.usps.com/>)

Latest Update

Your item was delivered to the front desk, reception area, or mail room at 2:51 pm on December 20, 2024 in FORT WORTH, TX 76102.

Get More Out of USPS Tracking:

USPS Tracking Plus[®]

Feedback

Delivered

Delivered, Front Desk/Reception/Mail Room

FORT WORTH, TX 76102

December 20, 2024, 2:51 pm

Hide Tracking History

[What Do USPS Tracking Statuses Mean?](https://faq.usps.com/s/article/Where-is-my-package) (<https://faq.usps.com/s/article/Where-is-my-package>)

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Product Information



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AFFIDAVIT OF PUBLICATION

CARLSBAD CURRENT-ARGUS
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HUTCHINSON, KS 67504-0507

STATE OF NEW MEXICO } SS
COUNTY OF EDDY }

Account Number: 94
Ad Number: 26480
Description: Permian Boomerang 25076,77,78
Ad Cost: \$173.12

Sherry Groves, being first duly sworn, says:

That she is the Agent of the the Carlsbad Current-Argus, a Weekly newspaper of general circulation, printed and published in Carlsbad, Eddy County, New Mexico; that the publication, a copy of which is attached hereto, was published in said newspaper on the following dates:

December 19, 2024

That said newspaper was regularly issued and circulated on those dates.

SIGNED:

Sherry Groves

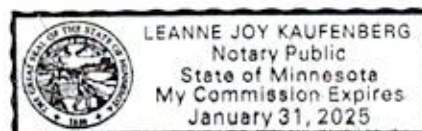
Agent

Subscribed to and sworn to me this 19th day of December 2024.

Leanne Kaufenberg

Leanne Kaufenberg, Notary Public, Redwood County Minnesota

CARA DOUGLAS
HINKLE SHANOR, LLP
PO BOX 2068
Santa Fe, NM 87504
cdouglas@hinklelawfirm.com



Permian Resources Operating, LLC
Case No. 25077
Exhibit C-4

PUBLIC NOTICE

This is to notify all interested parties, including: Ard Energy Group LP; Ard Energy Partners, Ltd.; Javelina Partners; OXY USA INC; Rockwood Resources, LLC; XTO Holdings, LLC; Zorro Partners, Ltd. and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on the applications submitted by Permian Resources Operating, LLC (Case Nos. 25076, 25077 & 25078). The hearing will be conducted on January 9, 2025, in a hybrid fashion, both virtually and in-person at the Energy, Minerals, Natural Resources Department, Wendell Chino Building, Pecos Hall, 1220 South St. Francis Drive, 1st Floor, Santa Fe, NM 87505. To participate virtually, see the instructions posted on the OCD Hearings website: <https://www.emnrd.nm.gov/ocd/hearing-info/>. In Case No. 25076, Permian Resources Operating, LLC ("Applicant") seeks an order pooling all uncommitted interests in the Second Bone Spring interval of the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the N/2 N/2 of Section 25 and the N/2 NE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico. The Unit will be dedicated to the **Boomerang 25 Fed Com 121H** well, which will produce from a first take point in the NE/4 NE/4 (Unit A) of Section 25 to a last take point in the NW/4 NE/4 (Unit B) of Section 26. In Case No. 25077, Applicant seeks an order pooling all uncommitted interests in Second Bone Spring interval of the Bone Spring formation underlying a 240-acre, more or less, standard horizontal spacing unit comprised of the S/2 N/2 of Section 25 and the S/2 NE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico. The Unit will be dedicated to the **Boomerang 25 Fed Com 122H** well, which will produce from a first take point in the SE/4 NE/4 (Unit H) of Section 25 to a last take point in the SW/4 NE/4 (Unit G) of Section 26. In Case No. 25078, Applicant seeks an order pooling all uncommitted interests in the Second Bone Spring interval of the Bone Spring formation underlying a 320-acre, more or less, standard horizontal spacing unit comprised of the N/2 S/2 of Section 25 and the SE/4 of Section 26, Township 20 South, Range 28 East, Eddy County, New Mexico. The Unit will be dedicated to the **Boomerang 25 Fed Com 123H** "j-turn" well, which will produce from a first take point in the NE/4 SE/4 (Unit I) of

Section 25 to a last take point in the SE/4 SE/4 (Unit P) of Section 26. The completed intervals of the Wells are expected to be orthodox. Due to a depth severance in the Bone Spring Formation within the Boomerang 25 Fed Com 121H, Boomerang 25 Fed Com 122H, and Boomerang 25 Fed Com 123H units, Applicant seeks to pool only those uncommitted interests in the Second Bone Spring interval from approximately 6,945' MD to 7,850' MD as shown on the Lee Federal Com #2 well log (API 30-015-24349). 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 10 miles northeast of Carlsbad, New Mexico.

Published in the Carlsbad Current-Argus December 19, 2024.
#26480