

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

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

**CASE NO. 22075**

**EXHIBIT INDEX**

Compulsory Pooling Checklist for Case No. 22075

Exhibit A	Self-Affirmed Statement of Cato Clark
A-1	Application & Proposed Notice of Hearing
A-2	C102s for Wells
A-3	Plat of Tracts, Ownership Interests, Uncommitted Interests to be Pooled
A-4	Sample Well Proposal Letter and AFEs
A-5	Chronology of Contact
Exhibit B	Self-Affirmed Statement of Catherine Henry
B-1	Resume of Catherine Henry
B-2	Regional Locator Map
B-3	Bone Spring – Structure Map
B-4	Stratigraphic Cross-Section
B-5	Gross Isopach Map
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 and Certified Mail Receipts
C-3	Affidavit of Publication for July 14, 2021 and March 2, 2022

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

<b>Case No.:</b>	<b>22075</b>
<b>Hearing Date:</b>	<b>5/5/2022</b>
Applicant	Catena Resources Operating, LLC
Designated Operator & OGRID	328449
Applicant's Counsel	Hinkle Shanor LLP
Case Title	Application of Catena Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico
Entries of Appearance/Intervenors	COG Operating LLC
Well Family	Rambo E2W2 08 17 B1
<b>Formation/Pool</b>	
Formation Name(s) or Vertical Extent	Bone Spring
Primary Product (Oil or Gas)	Oil
Pooling this vertical extent	Bone Spring Formation
Pool Name and Pool Code	Scharb; Bone Springs (55610)
Well Location Setback Rules	Standard
Spacing Unit Size	320
<b>Spacing Unit</b>	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	320
Building Blocks	quarter-quarter sections
Orientation	North/South
Description: TRS/County	E/2 W/2 of Sections 8 and 17, Township 19 South, Range 35 East, Lea County, NM
Standard Horizontal Well Spacing Unit (Y/N), if No, describe	Yes
<b>Other Situations</b>	
Depth Severance: Y/N. If yes, description	No
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	No
<b>Well(s)</b>	
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	Rambo E2W2 08 17 B1 1H (API # pending) SHL: 340' FNL & 2330' FWL, Unit C, Section 8, T19S-R35E BHL: 100' FSL & 2310' FWL, Unit N, Section 17, T19S-R35E Completion Target: Bone Springs (Approx. 9,700' TVD) Well Orientation: North to South
Horizontal Well First and Last Take Points	Exhibit A-2
Completion Target (Formation, TVD and MD)	Exhibit A-4
<b>AFE Capex and Operating Costs</b>	
Drilling Supervision/Month \$	\$8,500.00
Production Supervision/Month \$	\$850.00
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
<b>Notice of Hearing</b>	
Proposed Notice of Hearing	Exhibit A-1
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C-1, C-2

Proof of Published Notice of Hearing (10 days before hearing)	Exhibit C-3
<b>Ownership Determination</b>	
Land Ownership Schematic of Spacing Unit	Exhibit A-3
Tract List (including lease numbers & owners)	Exhibit A-3
Pooled Parties (including ownership type)	Exhibit A-3
Unlocatable Parties to be Pooled	None
Ownership Depth Severance (including percentage above & below)	N/A
<b>Joinder</b>	
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	N/A
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
<b>Geology</b>	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-2
Gross Isopach	Exhibit B-5
Well Orientation (with rationale)	Exhibit B
Target Formation	Exhibit B
HSU Cross Section	Exhibit B-4
Depth Severance Discussion	N/A
<b>Forms, Figures and Tables</b>	
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-2
Well Bore Location Map	Exhibit B-2
Structure Contour Map - Subsea Depth	Exhibit B-3
Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
<b>Additional Information</b>	
<b>CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.</b>	
<b>Printed Name</b> (Attorney or Party Representative):	Dana S. Hardy
<b>Signed Name</b> (Attorney or Party Representative):	/s/ Dana S. Hardy
<b>Date:</b>	5/3/2022

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

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

**CASE NO. 22075**

**SELF-AFFIRMED STATEMENT  
OF CATO CLARK**

1. I am Vice President of Land at Catena Resources Operating, LLC (“Catena”) 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 Catena’s 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. Catena seeks an order pooling all uncommitted mineral interests in the Bone Spring formation underlying a 320-acre, more or less, standard horizontal spacing unit (“Unit”) comprised of the E/2W/2 of Sections 8 and 17, Township 19 South, Range 35 East, Lea County, New Mexico.

5. The Unit will be dedicated to the **Rambo E2W2 08-17 B1 1H** well (“Well”) which will be horizontally drilled from a surface location in the NE/4NW/4 (Unit C) of Section 8 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 17.

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

7. The Well is located in the Scharb; Bone Spring Pool (Pool Code 55610).

8. With respect to well setback requirements, this pool is subject to the statewide horizontal well rules set out in NMAC 19.15.16.15.

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

10. **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 Catena 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. Catena has conducted a diligent search of all public records in Lea County including phone directories and computer databases.

13. All interest owners Catena seeks to pool are locatable.

14. In my opinion, Catena 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**.

15. Catena requests overhead and administrative rates of \$8,500 per month while the Well is being drilled and \$850 per month while the Well is producing. These rates are fair and are comparable to the rates charged by Catena and other operators in the vicinity.

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

17. In my opinion, the granting of Catena's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

18. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 17 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.

  
\_\_\_\_\_  
Cato Clark

4-28-22  
\_\_\_\_\_  
Date

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

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

Case No. \_\_\_\_\_

**APPLICATION**

Pursuant to NMSA § 70-2-17, Catena Resources Operating, LLC (“Applicant”) applies for an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit (“Unit”) comprised of the E/2W/2 of Sections 8 and 17, Township 19 South, Range 35 East, Lea County, New Mexico. In support of its application, Applicant states:

1. Applicant (OGRID No. 328449) is a working interest owner in the Unit and has the right to drill wells thereon.
2. The Unit will be dedicated to the **Rambo E2W2 08-17 B1 1H** well (“Well”) which will be horizontally drilled from a surface location in the NE/4NW/4 (Unit C) of Section 8 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 17.
3. The completed interval of the Well will be orthodox.
4. Applicant has undertaken diligent, good-faith efforts to obtain voluntary agreements from all mineral interest owners to participate in the drilling of the Well but has been unable to obtain voluntary agreements from all of the mineral interest owners.
5. The pooling of uncommitted mineral interests will avoid the drilling of unnecessary wells, prevent waste, and protect correlative rights.

Catena Resources Operating, LLC  
Case No. 22075  
Exhibit A-1

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

WHEREFORE, Applicant requests this application be set for hearing on August 5, 2021 and that, after notice and hearing, the Division enter an order:

- A. Pooling all uncommitted interests in the Unit;
- B. Approving the Well in the Unit;
- C. Designating Applicant as operator of the Unit and the Well to be drilled thereon;
- D. Authorizing Applicant 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% penalty for the risk assumed by Applicant 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

Michael Rodriguez

P.O. Box 2068

Santa Fe, NM 87504-2068

Phone: (505) 982-4554

Facsimile: (505) 982-8623

dhardy@hinklelawfirm.com

mrodriguez@hinklelawfirm.com

*Counsel for Catena Resources Operating, LLC*

**Application of Catena Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico.** Applicant applies for an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit ("Unit") comprised of the E/2W/2 of Sections 8 and 17, Township 19 South, Range 35 East, Lea County, New Mexico. The Unit will be dedicated to the Rambo E2W2 08-17 B1 1H well ("Well") which will be horizontally drilled from a surface location in the NE/4NW/4 (Unit C) of Section 8 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 17. 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 miles west 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

<sup>1</sup> API Number		<sup>2</sup> Pool Code <b>55610</b>		<sup>3</sup> Pool Name <b>Scharb; Bone Springs</b>	
<sup>4</sup> Property Code		<sup>5</sup> Property Name <b>Rambo E2W2 08-17 B1</b>			<sup>6</sup> Well Number <b>1H</b>
<sup>7</sup> OGRID No. <b>328449</b>		<sup>8</sup> Operator Name <b>Catena Resources Operating, LLC</b>			<sup>9</sup> Elevation

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>C</b>	<b>8</b>	<b>19-S</b>	<b>35-E</b>	<b>C</b>	<b>340</b>	<b>North</b>	<b>2330</b>	<b>West</b>	<b>LEA</b>

<sup>11</sup> 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>N</b>	<b>17</b>	<b>19-S</b>	<b>35-E</b>	<b>N</b>	<b>100</b>	<b>South</b>	<b>2310</b>	<b>West</b>	<b>LEA</b>

<sup>12</sup> Dedicated Acres <b>320</b>	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> 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.

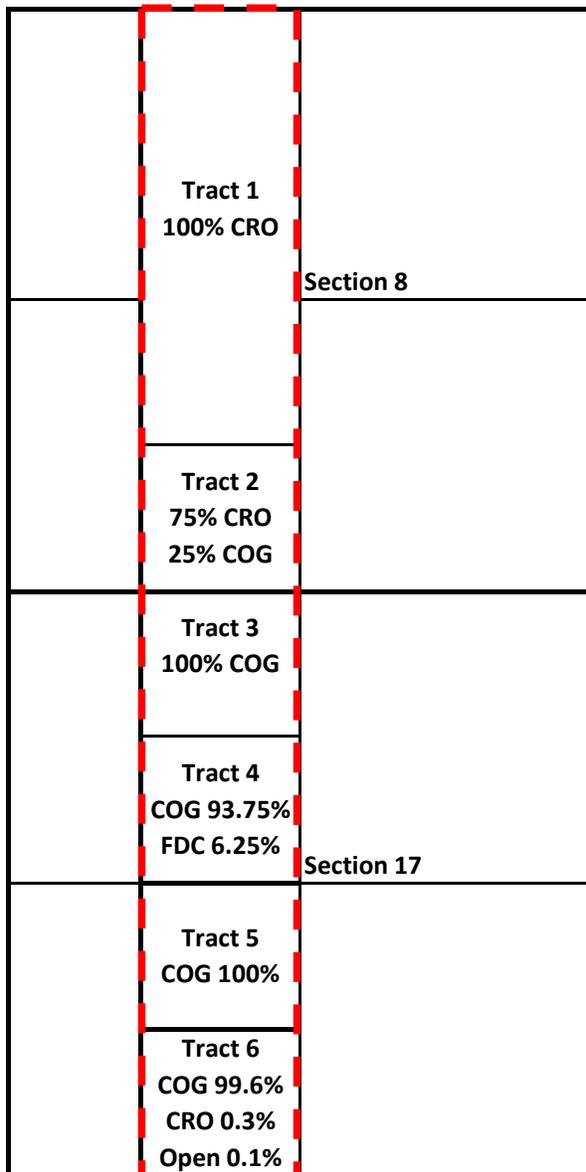
	<p><b><sup>17</sup> OPERATOR CERTIFICATION</b></p> <p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom 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 before entered by the division.</i></p> <p> <b>4-27-22</b> Signature Date</p> <p>Cato Clark, VP Land Printed Name</p> <p>Clark@Catenares.com E-mail Address</p>
	<p><b><sup>18</sup> SURVEYOR CERTIFICATION</b></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 belief.</i></p> <p>Date of Survey</p> <p>Signature and Seal of Professional Surveyor:</p> <p>Certificate Number</p>

Catena Resources Operating, LLC  
Case No. 22075  
Exhibit A-2

**EXHIBIT A-3**  
**Rambo E2W2 08-17 B1 1H**  
**Proposed Bone Springs Spacing Unit**  
**Lea County, New Mexico**  
**E2W2 Section 8 & 17 - T19S - R35E**

Catena Resources Operating (CRO)	46.91%
<b>Parties to be Pooled</b>	
COG Operating LLC (COG)	52.30%
Featherstone Development Corp. (FDC)	0.78%
Debra Kay Primera (Open)	0.01%
<b>Total</b>	<b>100.00%</b>

<b>Tracts</b>		
Tract 1	E/2 NW/4 & NE/4 SW/4	Section 8
Tract 2	SE/4 SW/4	Section 8
Tract 3	NE/4 NW/4	Section 17
Tract 4	SE/4 NW/4	Section 17
Tract 5	NE/4 SW/4	Section 17
Tract 6	SE/4 SW/4	Section 17





May 28,2021

Via Certified Mail

COG Operating, LLC  
600 West Illinois Avenue  
Midland, TX 79701

Re: Rambo E2W2 08-17 B1 1H  
340' FNL & 2330' FWL of Sec. 8, 19S-35E  
100' FSL & 2310' FWL of Sec. 17, 19S-35E  
Sections 8 & 17, 19S-35E  
Lea County, New Mexico

Ladies and Gentlemen,

Catena Resources Operating, LLC ("Catena") as Operator hereby proposes to drill the following horizontal well(s):

Rambo E2W2 08-17 B1 1H well located at a surface location of 340' FNL & 2330' FWL of Sec. 8, 19S-35E, and a bottom hole location of 100' FSL & 2310' FWL of Sec. 17, 19S-35E. We anticipate drilling to an approximate total vertical depth of 9,500' and plan to continue drilling horizontally to the South to the proposed bottom hole location at an approximate total measured depth of 20,400'. The Rambo E2W2 08-17 B1 1H will target the Bone Spring formation and the E/2 W/2 of Sec. 8 & the E/2 W/2 of Sec. 17, 19S-35E will be dedicated to the well as the proration unit.

Regarding the above, enclosed for your further handling are our AFE's dated 5/27/2021 for the proposed wells. In the event you elect to participate in the proposed wells, please execute the enclosed AFE's and return to Catena at their mailing address, attn: Chris Canon. We are happy to furnish you with a proposed Joint Operating Agreement upon request, should you be inclined to elect to participate. Please respond within 30 days of receiving this notice.

Should you have any questions regarding the above, please email me at [canon@catenares.com](mailto:canon@catenares.com) or call me at (713) 331-1208.

Sincerely,

Catena Resources Operating, LLC

Chris Canon  
Land Manager

919 Milam Street  
Suite 2475

Houston, TX 77002  
*Released to Imaging: 5/3/2022 11:15:55 AM*



Catena Resources Operating, LLC  
Case No. 22075  
Exhibit A-4

713-429-5229

[www.catenares.com](http://www.catenares.com)

[info@catenares.com](mailto:info@catenares.com)

	<b>WELL COST ESTIMATE</b>		<b>AFE NO.</b>
	WELL NAME: Rambo E2W2 08-17 B1 1H FIELD NAME: LOCATION: 2 mile lateral COUNTY / ST: Lea County, NM OBJECTIVE: Bone Spring	DATE: 5/27/2021 START DATE: COMPLETE DATE: ORIGINAL: SUPPLEMENT:	

INTANGIBLE COSTS	ACCT CODE	DRILLING - 310XX	ACCT CODE	COMPLETION - 320XX	ACCT CODE	FACILITIES - 330XX	TOTAL
Legal Fees / Title Opinion	31001	\$75,000	32001		33001		\$75,000
Surveys / Staking / Permits / Bonds / Regulatory	31002	\$25,000	32002	\$10,000	33002		\$35,000
ROW / Surface Damages	31003		32003		33012		\$0
Roads & Location / Reserve Pit - Construction	31004	\$80,000	32004				\$80,000
Roads & Location / Reserve Pit - Reclamation	31005	\$90,000	32005	\$45,000			\$135,000
Frac Pond	31006		32006	\$100,000			\$100,000
Gate Guard	31007		32007				\$0
Mouse / Rathole / Conductor	31008						\$0
Mobilization / Demobilization	31009	\$150,000	32008				\$150,000
Drilling - Daywork	31010	\$620,000					\$620,000
Drilling - Footage	31011						\$0
Drilling - Turnkey	31012						\$0
Completion / Snubbing / Workover Unit	31013		32009	\$432,500			\$432,500
Trailer House / Communications	31014		32010				\$0
Drill Bits	31015	\$70,000	32011				\$70,000
Directional Equipment / Gyro Surveys	31016	\$280,000	32012				\$280,000
Downhole Tool / Stabilization Rental	31017		32013	\$65,000			\$65,000
Mud / Chemicals	31018	\$310,000	32014				\$310,000
Fuel / Power	31019	\$180,000	32015	\$40,692			\$220,692
Water Supply Well, equipment	31020		32016	\$468,286			\$468,286
Water / Water Hauling	31021		32017				\$0
Offsite Water & Cuttings Disposal	31022		32018				\$0
Transportation / Hauling	31023	\$40,000	32019		33009		\$40,000
Inspection / Tubular Testing	31024		32020	\$20,000			\$20,000
Laydown Machine / Casing Crew / Tongs	31025		32021				\$0
Cementing, Float Equipment & Services	31026	\$120,000	32022				\$120,000
Mud Logging	31027	\$40,000					\$40,000
Logging - Open Hole	31028		32023				\$0
Logging - Cased Hole	31029		32024				\$0
Coring & Analysis, Drill Stem Test	31030						\$0
Perforating	31031		32025	\$285,500			\$285,500
Wireline / Slickline Services	31032		32026				\$0
Equipment Rental	31033	\$200,000	32027	\$183,288			\$383,288
Pumping Services/Rental	31034		32028				\$0
Acidizing & Fracturing	31035		32029	\$2,500,000			\$2,500,000
Coil Tubing Unit	31036		32030				\$0
Flow Testing, Swabbing	31037		32031	\$73,038			\$73,038
Fishing / Sidetrack Services	31038		32032				\$0
Nipple Up / BOPE Testing	31039		32033	\$102,000			\$102,000
Overhead	31040	\$10,000	32034				\$10,000
Wellsite Consulting Services/Supervision	31041	\$110,000	32035	\$89,385	33003		\$199,385
Engineering / Geological / Lab Serv Tracers and diagnostics	31042		32036	\$26,538			\$26,538
Roustabout / Contract Labor	31043	\$120,000	32037	\$20,000	33004	\$200,000	\$340,000
Welding Services	31044		32038				\$0
Insurance	31045	\$10,000	32039		33005		\$10,000
Miscellaneous	31046		32040	\$80,000	33006		\$80,000
P&A Costs	31047		32041				\$0
Safety / EH&S	31048		32042		33007		\$0
3% Contingency	31049		32043	\$135,242			\$135,242
NON-Op Drilling Intangible	31050		32044				\$0
Pipeline Installation / Interconnect	31051		32045		33008		\$0
<b>TOTAL INTANGIBLE COSTS</b>		<b>\$2,530,000</b>		<b>\$4,676,469</b>		<b>\$200,000</b>	<b>\$7,406,469</b>

TANGIBLE COSTS	ACCT CODE	DRILLING - 311XX	ACCT CODE	COMPLETION - 321XX	ACCT CODE	FACILITIES - 331XX	TOTAL
Conductor	31101	\$20,000					\$20,000
Surface Casing	31102	\$70,000					\$70,000
1st Intermediate Casing / Liner	31103	\$130,000					\$130,000
2nd Intermediate Casing / Liner	31104	\$510,000					\$510,000
Production Casing / Liner			32101				\$0
Casing Tie Back			32102				
Liner Hanger Assembly			32103				
Tubing			32104	\$60,000			\$60,000
Casing Equipment - OHMS / Etc.			32105				\$0
Wellhead Equipment	31105	\$60,000	32106				\$60,000
Pumping Unit / Prime Mover / Base			32107		33101		\$0
Rods / Pony Rods / Sinkers Bars			32108		33102		\$0
Artificial Lift			32109	\$175,000	33103		\$175,000
Wellhead Equipment Completions - Production Tree			32110		33104		\$0
Tanks / Tank Steps / Stairs			32111	\$200,000	33105		\$200,000
Gas Treating / Dehydration Equipment			32112		33106		\$0
Separation Equipment, Heater Treater			32113	\$100,000	33107		\$100,000
Surface Pumps			32114		33108		\$0
Filters			32115		33109		\$0
Buildings			32116		33110		\$0
Interconnect Piping / Manifolds / Headers			32117		33111		\$0
Flowlines / Connections / Valves			32118	\$25,000	33112		\$25,000
Automation / Instruments / Controls / Analyzers			32119	\$50,000	33113		\$50,000
Electrical Equipment / Generators			32120	\$25,000	33114		\$25,000
Compressor & Related Equipment			32121		33115		\$0
Metering Equipment, LACT Unit			32122	\$25,000	33116		\$25,000
Chemical Equipment / Cathodic Protection			32123		33117		\$0
Subsurface Equipment - Packer, Plugs, TAC			32124		33118		\$0
Safety / EH&S Equipment			32125		33119		\$0
NON-OP Drilling Intangible			32126		33120		\$0
Transfer/SWD Pumps & Equipment			32127		33121		
Flare / Combustor			32128		33122		\$0
Miscellaneous	31106	\$50,000	32129	\$106,000	33123		\$156,000
Capillary String			32132				\$0
Contingency Costs	31107		32130		33124		\$0
<b>TOTAL TANGIBLE COSTS</b>		<b>\$840,000</b>		<b>\$766,000</b>		<b>\$0</b>	<b>\$1,606,000</b>
<b>TOTAL WELL COSTS</b>		<b>\$3,370,000</b>		<b>\$5,442,469</b>		<b>\$200,000</b>	<b>\$9,012,469</b>

Prepared by \_\_\_\_\_

This AFE is only an estimate. By returning one signed copy, you agree to pay your share of the actual costs incurred.

Extra Expense Insurance  I elect to be covered by Operator's Extra Expense insurance and pay my proportionate share of the premium

I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Joint Owner Interest: \_\_\_\_\_ Amount: \_\_\_\_\_

Joint Owner Name: \_\_\_\_\_ Signature: \_\_\_\_\_

**Exhibit A-5**

**Catena Resources Operating, LLC – Rambo E2W2 08-17 B1 1H Discussion Timeline**

**COG Operating LLC c/o ConocoPhillips Company**

Catena Resources Operating, LLC sent original well proposals on May 28, 2021. At such time, Catena and ConocoPhillips (formerly Concho Oil & Gas) were already engaged in discussions regarding the proposed well. Catena and ConocoPhillips are in ongoing discussions on the well proposal.

**Featherstone Development Corp.**

Catena Resources Operating, LLC sent original well proposals on November 11, 2021. At such time, Catena and Featherstone were already engaged in discussions regarding the proposed well. Catena and Featherstone are in ongoing discussions on the well proposal.

**OPEN - Unleased Mineral Interest Owners**

Catena Resources Operating, LLC sent original well proposals on November 11, 2021. After such time, Catena also sent lease offers and has made every effort to initiated communication and lease negotiation with the unleased mineral interest owners which is ongoing.

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

APPLICATION OF CATENA RESOURCES  
OPERATING, LLC FOR COMPULSORY  
POOLING, LEA COUNTY, NEW MEXICO

CASE NO. 22075

SELF-AFFIRMED STATEMENT  
OF CATHERINE HENRY

1. I am a geologist at Catena Resources Operating, LLC (“Catena”) 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 not previously testified before the New Mexico Oil Conservation Division (“Division”).

2. I have a MS in Geology and 5 years of experience in the petroleum industry. My experience has focused on well planning, well log analysis, resource development, resource mapping, and resource evaluation for horizontal development programs primarily in the Delaware, Permian, and Williston Basins. A copy of my resume is attached as **Exhibit B-1**.

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

4. **Exhibit B-2** is a project location map that shows the location of the proposed horizontal well spacing unit.

5. Catena is targeting the First Bone Spring interval of the Bone Spring formation. **Exhibit B-3** is a subsea structure map that I prepared for this interval with 20-foot contours. The proposed horizontal well spacing unit is highlighted in red and the initial well is depicted with a green dashed line. Existing producing wells in the First Bone Spring interval are represented by solid orange lines. The structure map shows the Bone Spring dipping to the South. The structure

Catena Resources Operating, LLC  
Case No. 22075  
Exhibit B

appears consistent across the proposed spacing unit and I do not observe any faulting, pinch outs, or other geologic impediments to drilling horizontal wells in this area.

6. **Exhibit B-3** also shows a cross-section line in dashed brown running North to South reflecting four wells penetrating the Bone Spring formation that I used to construct a stratigraphic cross-section from A to A'. These wells contain good logs and I consider them representative of the geology in the subject area.

7. **Exhibit B-4** is a stratigraphic cross-section that I prepared using the logs from the four wells noted on Exhibit B-3. Each well in the cross-section contains the gamma ray in the first track, resistivity in the second track, and porosity curves in the third track. The initial target interval is labeled and marked. The cross-section demonstrates that the targeted interval is continuous across the proposed spacing unit.

8. **Exhibit B-5** is a Gross Isopach map of the First Bone Spring interval. The proposed horizontal well spacing unit is highlighted in red and the initial well is depicted with a green dashed line. Existing producing wells in the First Bone Spring are represented by solid orange lines. The anticipated gross thickness of the First Bone Spring interval is 225 to 330 ft. The gross isopach map demonstrates that the First Bone Spring interval is present across the proposed spacing unit. The location of the previous cross-section from A-A' in Exhibit B-4 is also shown as a brown dotted line on this map.

9. In my opinion the stand-up orientation of the proposed well is the preferred orientation for horizontal well development in this area and is appropriate to efficiently and effectively develop the subject acreage.

10. Based on my geologic study, the Bone Spring formation underlying the subject area is suitable for development by horizontal wells and the acreage comprising the proposed spacing unit will be productive and contribute proportionately to the production from the well.

11. In my opinion, the granting of Catena's application will serve the interests of conservation, the protection of correlative rights, and the prevention of waste.

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

13. I understand this Self-Affirmed Statement will be used as written testimony in this case. I affirm my testimony in paragraphs 1 through 12 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.

  
Catherine Henry

  
Date

**Exhibit B-1****Catherine Elizabeth Henry**

*5+ year petroleum industry career, conventionally and unconventionally trained geologist with experience working in with both upstream and midstream businesses.*

**PROFESSIONAL EXPERIENCE**

**PERCUSSION PETROLEUM II, LLC & CATENA RESOURCES OPERATING, LLC – Houston, TX** **12/2021-Present**

**Geologist II**

- Responsible for providing geological support for horizontal drilling program
- Utilizing subsurface technical analysis to plan pad locations and development pattern well layouts for multi-bench development
- Providing subsurface analysis and guidance on SWD well locations and interval of interest

**GULF COAST SEQUESTRATION – Houston, TX**

**9/2021 - 11/2021**

**Geologist – Contract**

- Collaborated with geoscience team to accomplish near-term business needs. This included collecting and interpreting historic production data from DrillingInfo, maintaining ArcGIS project, and digitizing raster logs in Petra.
- Contributed to and analyzed the permitting process with the EPA, shallow onshore Gulf Coast geology, and the full cycle CCUS process.

**OASIS PETROLEUM – Houston, TX**

**2017 - 2021**

**Geologist II**

**1/2020 - 3/2021**

- Utilized SWD geologist role to de-risk inventory by identifying drill risk in core acreage areas and assisting with new casing design. This yielded program management accomplishments with significant business impact:
  - Planned and took on geological responsibilities for a 12 well drilling program
  - Successfully managed ideas across different functional groups; implemented new working standard for the organization on drilling operations through over-pressured corridors.
- Portfolio Management: risk ranked core acreage (404k net acres) at the DSU level and assigned cost with each risk tier. Resulted in capital inputs for project economics for every DSU to support corporate planning group.

**Geologist I**

**7/2017 - 1/2020**

- Redesigned saltwater disposal (SWD) geologist role that successfully impacted both upstream and midstream businesses.
  - Developed geologic interpretation of complex fluvial/deltaic Inyan Kara stratigraphy across Williston Basin that significantly impacted well planning and operations.
  - Collaborated with cross-functional team of reservoir and facility engineers to characterize conventional reservoir.
  - Spearheaded successful material balance and decline curve analysis to achieve pore volume of reservoir and tie back to reservoir pressure. Completed analysis of pressure fall-off tests of 10+ wells used to predict EUI of saltwater disposal wells in sand tank.
  - Responsible for scouting new SWD permits; incorporate pipeline/infrastructure and state regulations with new locations; geosteering new SWDs; assisted BD group with third party business opportunities; monitored OBO activity in the basin.
- Operations Geologist (7/2017 – 7/2018)
  - Drilled 15+ wells to completion while demonstrating ability to stay in target zone in both Bakken and Three Forks formations.
  - Generated structure and isopach maps of target formations; produced geopros for permitting.
  - Proactively communicated with drilling/execution team as well as field personnel on geohazards and target changes.
  - Partnered with completions engineers on frac recommendation design; identified geohazards in the area (Lodgepole, Pronghorn thick, offset Mission Canyon production); utilized microseismic data.

**CENTERPOINT ENERGY – Houston, TX**

**8/2016 - 7/2017**

**Project Lead – Infrastructure Data Specialist**

- Data Specialist: responsible for locating work orders for natural gas pipeline installation in the Houston area using SAP. Duties included validating pipeline attributes in ArcMap and meeting time restraints of the project.

Catena Resources Operating, LLC

Case No. 22075

Exhibit B-1

**Exhibit B-1****EDUCATION**

<b>MBA Candidate, Class of 2023</b> Texas A&M University Houston, TX	<b>MS in Geology, 2016</b> University of Mississippi Oxford, MS	<b>BS in Geology, 2014</b> Graduated with Honor Millsaps College, Jackson, MS
--	---	---

**RELATED EXPERIENCE**

**UNIVERSITY OF MISSISSIPPI- Oxford, MS** **8/2014 - 5/2016**  
Teaching Assistant- Courses: *ArcGIS* and *Intro to Geology*

**ENERVEST, LTD. – Houston, TX** **Summer 2015; Winter 2014 - 2015**  
**Geoscience Intern**

- Completed multiple geologic projects in the Fort Worth Basin, Texas. Results yielded structure maps for the Atoka, Bend, and Marble Falls Formations, net pay maps, and cross-sections.
- Used 2D and 3D seismic profile mapping and well log correlation on IHS Kingdom (SMT) to focus on recompletion opportunities up-hole of the Barnett Shale. Project concluded production to be associated with stratigraphic traps rather than structural, with several legacy wells as recompletion candidates.

**JURA-SEACH, INC. – Jackson, MS** **Fall 2012 - Summer 2014**  
**Geoscience Intern**

- Completed multiple projects in Little Cedar Creek Field, southwest AL. Project responsibilities included 2D seismic profile mapping on Kingdom (IHS), well log correlation, core analysis, and building geological structure and stratigraphic cross-sections of the Smackover and Norphlet Formations.

**SKILLS & TRAINING**

**Software:** IHS Kingdom · Petra · ArcGIS · Spotfire · StarSteer · LatNav · DrillingInfo · Adobe Illustrator · Microsoft Office

**Nautilus Training:**

- Practical Subsurface Mapping
- Formation Evaluation: Principles and Practices
- Geophysics for Subsurface Professionals
- Low Resistivity Pay Evaluation
- Reservoir Engineering for Non-Reservoir Engineers

**In-house training: Reservoir Engineering for Non-Reservoir Engineers** **2019**

**Short Course: ExxonMobil – “Integrated Basin and Play Analysis” (IBA): AAPG/SEG Student Expo** **2015**

**In-house Franklin-Covey trainings: Social Styles & Seven Habits of Highly Effective People** **2017; 2018**

**HONORS, AWARDS & AFFILIATIONS**

**Mississippi Geological Society - Boland Scholarship Recipient** **2014**

Awarded to one student from each institution in Mississippi for hard work and dedication to the geosciences and community.

**Mississippi Academy of Science** **2014**

Best oral presentation in Geology and Geography division at the Mississippi Academy of Science Annual Meeting.

Honorable mention in the Millsaps-HHMI Undergraduate Scholars Symposium poster presentation.

**Wendell B. Johnson Memorial Award** **2013**

Awarded to a junior geology major at Millsaps College with an outstanding record of scholarship, research, and service

**Dudley Hughes Exploration Internship** **2012; 2013**

Endowment funds internships that focus on oil and gas exploration; funded internship at Jura-Search, Inc.

**American Association of Petroleum Geologists** - Member

**Saint Cecilia Catholic Church** – Parishioner and LifeTeen

**Houston Geological Society** – Member

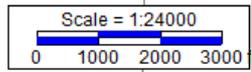
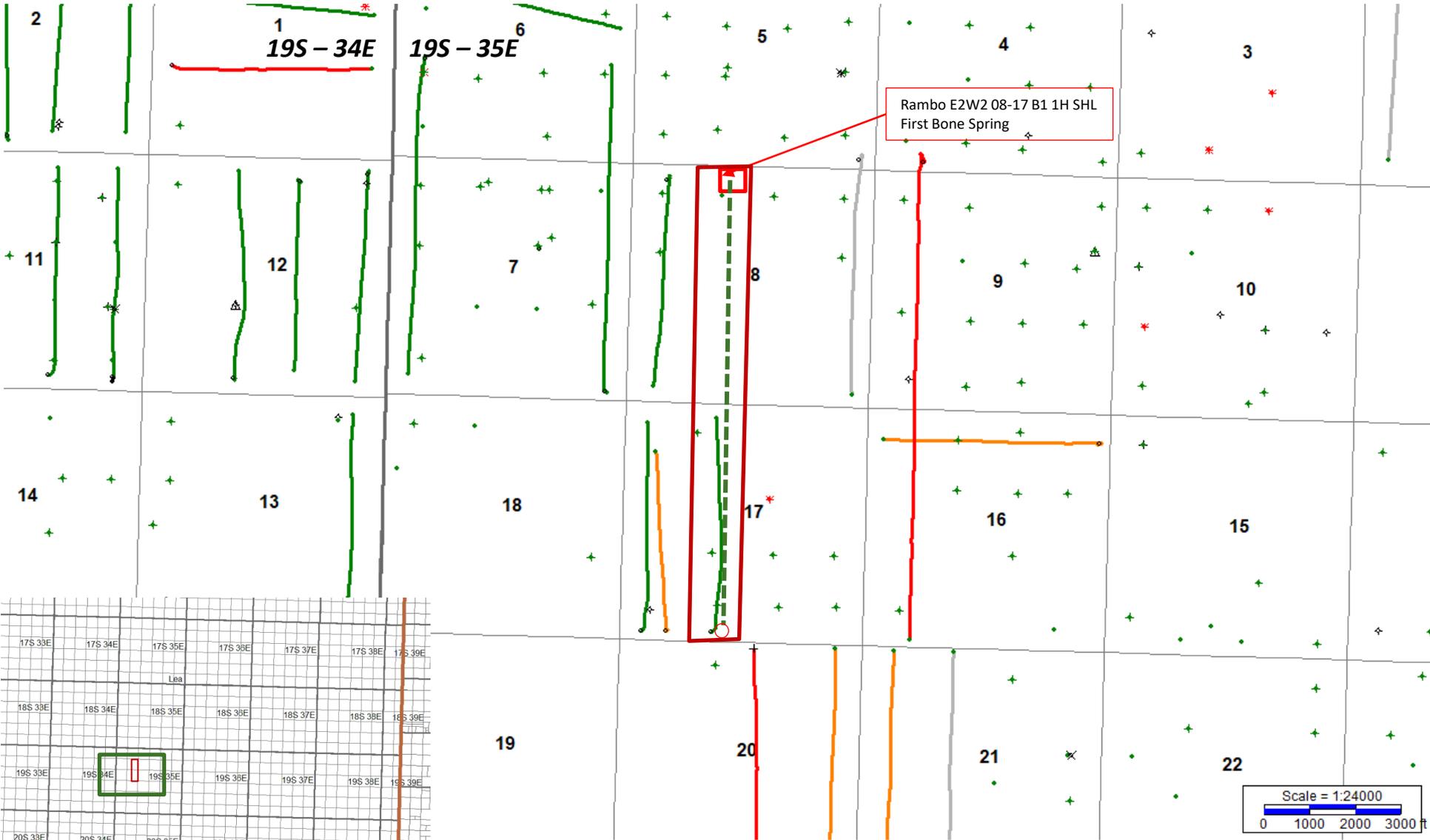
Core Team Volunteer

**Association for Women Geoscientists** -Member

# Rambo E2W2 08-17 B1 1H Exhibit B-2: Locator Map

Catena Resources Operating, LLC  
Case No. 22075  
Exhibit B-2

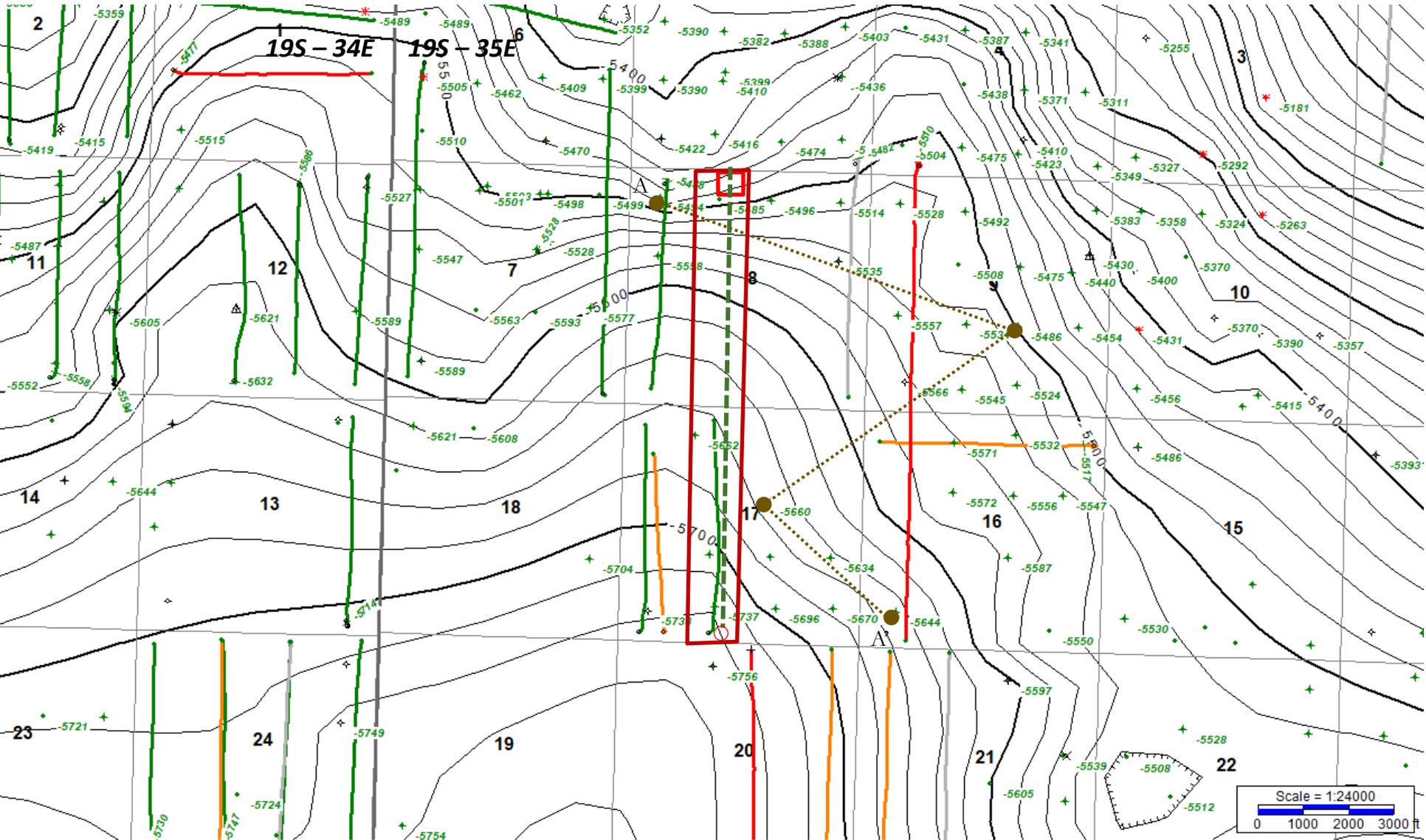
-  First Bone Spring
-  Second Bone Spring
-  Third Bone Spring
-  Wolfcamp A



- First Bone Spring
- Second Bone Spring
- Third Bone Spring
- Wolfcamp A

# Rambo E2W2 08-17 B1 1H

## Exhibit B-3: First Bone Spring Structure (Subsea TVD-ft)

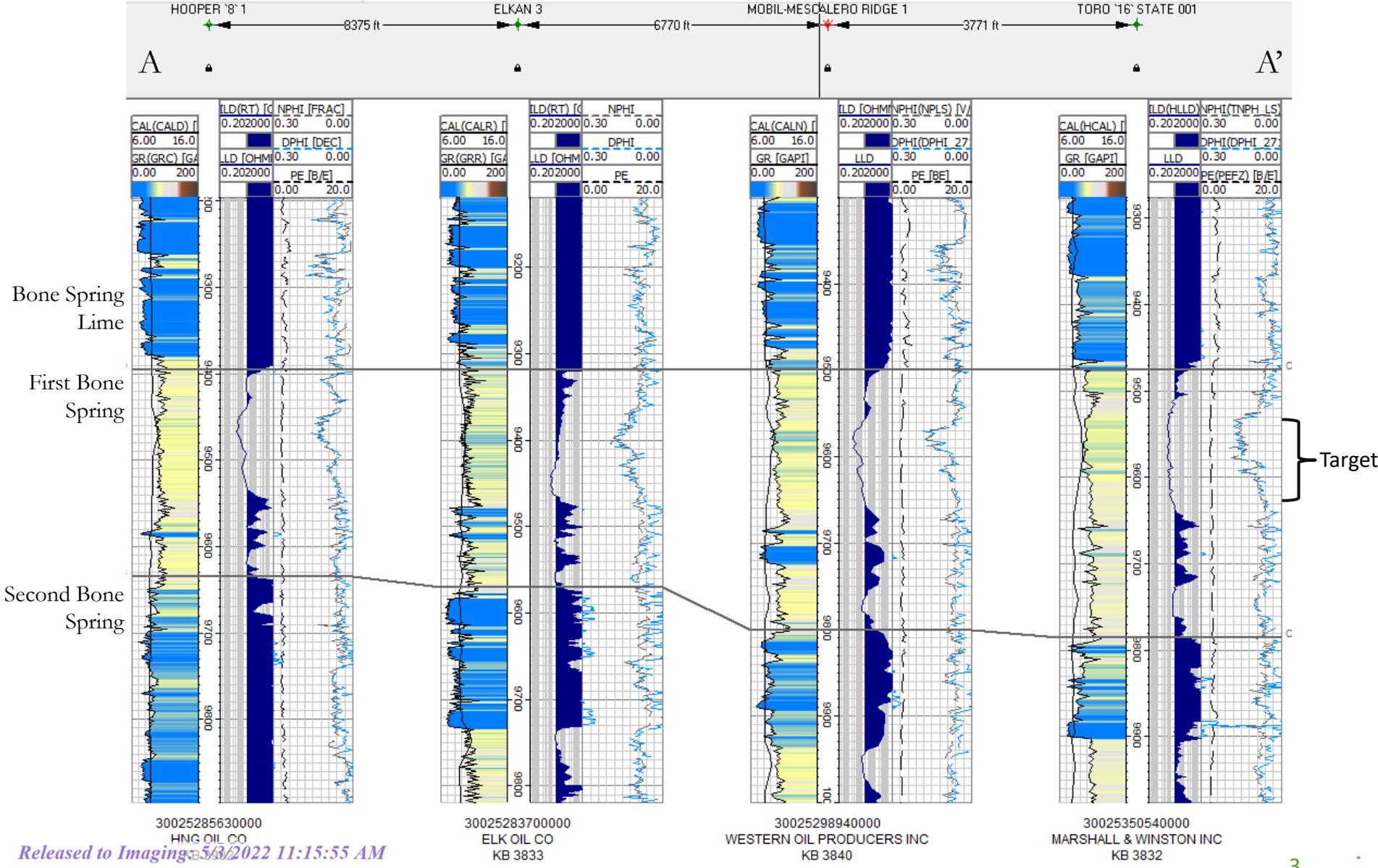


# Rambo E2W2 08-17 B1 1H

Case No. 22075

Exhibit B-4

## Exhibit B-4: Stratigraphic Cross section A-A' – First Bone Spring Datum



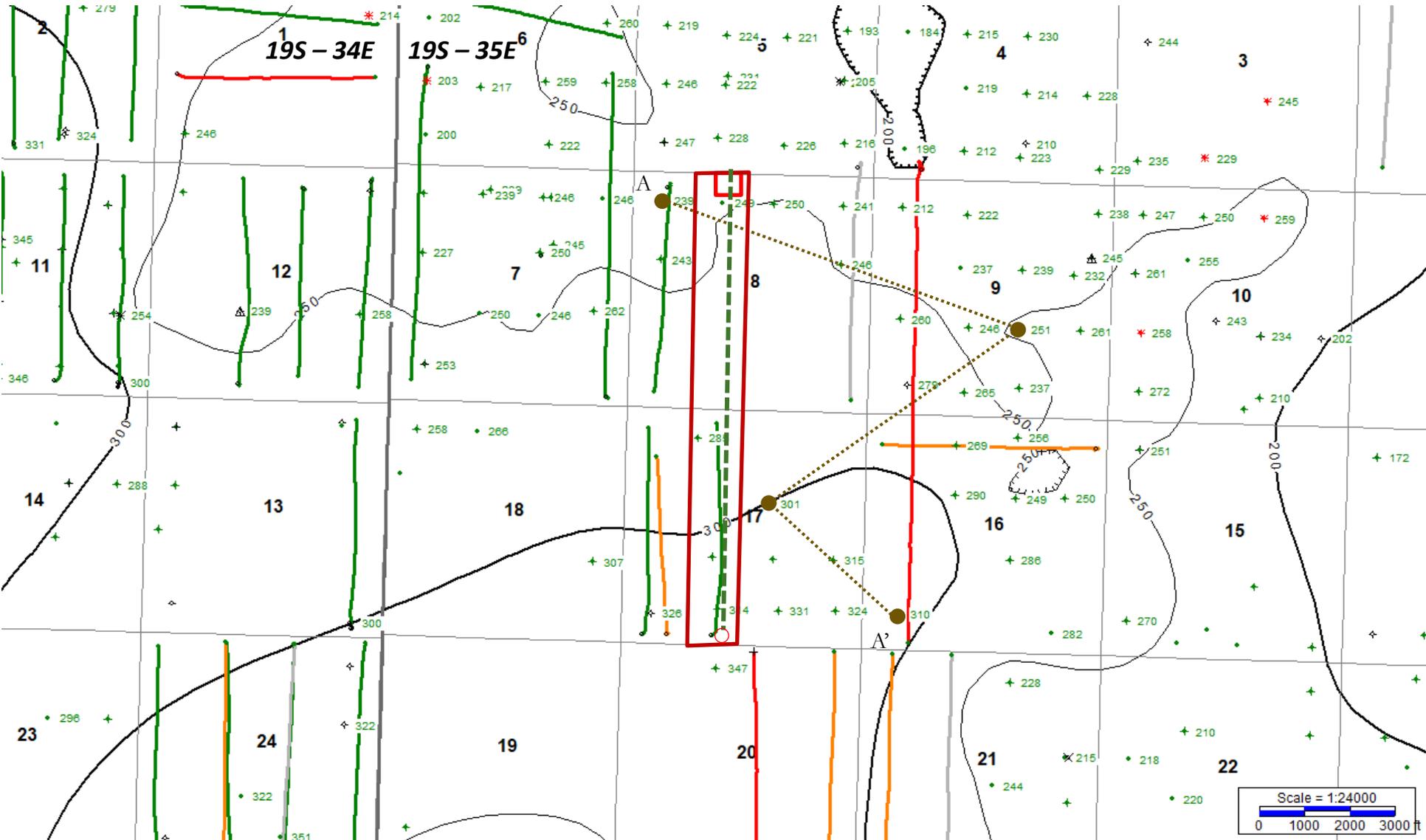
Rambo E2W2 08-17 B1 1H

Case No. 22075

Exhibit B-5

Exhibit B-5: First Bone Spring Gross Isopach (TVD-ft)

- First Bone Spring
- Second Bone Spring
- Third Bone Spring
- Wolfcamp A



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

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

CASE NO. 22075

SELF-AFFIRMED STATEMENT  
OF DANA HARDY

1. I am attorney in fact and authorized representative of Catena Resources Operating LLC, the Applicant herein, and being first duly sworn, upon oath, state as follows.

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

3. The above-referenced Application was provided, along with the Notice Letters, to the recipients listed in Exhibit C-2. Exhibit C-2 also provides the date each Notice Letter was sent and the date each return was received and includes copies of the certified mail receipts and white slips.

4. On July 14, 2021 and March 2, 2022, 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-3**.

/s/ Dana S. Hardy  
Dana S. Hardy

5/3/22  
Date

Catena Resources Operating, LLC  
Case No. 22075  
Exhibit C



**HINKLE SHANOR LLP**  
ATTORNEYS AT LAW  
PO BOX 2068  
SANTA FE, NEW MEXICO 87504  
505-982-4554 (FAX) 505-982-8623

WRITER:

Dana S. Hardy, Partner  
dhardy@hinklelawfirm.com

July 9, 2021

**VIA CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

**TO ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Case No. 22075 - Application of Catena Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico.**

To whom it may concern:

This letter is to advise you that Catena Resources Operating, LLC filed the enclosed application with the New Mexico Oil Conservation Division. The hearing will be conducted on **August 5, 2021** beginning at 8:15 a.m.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <http://www.emnrd.state.nm.us/OCD/announcements.html>. 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 filed at the Division's Santa Fe office or electronically submitted to [ocd.hearings@state.nm.us](mailto:ocd.hearings@state.nm.us) 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 do not hesitate to contact me if you have any questions about this matter.

Sincerely,

/s/ Dana S. Hardy

Dana S. Hardy

Enclosure

Catena Resources Operating, LLC  
Case No. 22075  
Exhibit C-1

PO BOX 10  
ROSWELL, NEW MEXICO 88202  
575-622-6510

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

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



hinklelawfirm.com

**HINKLE SHANOR LLP**  
ATTORNEYS AT LAW  
PO BOX 2068  
SANTA FE, NEW MEXICO 87504  
505-982-4554 (FAX) 505-982-8623

WRITER:

Dana S. Hardy, Partner  
dhardy@hinklelawfirm.com

February 18, 2022

**VIA CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

**TO ALL INTEREST OWNERS SUBJECT TO POOLING PROCEEDINGS**

**Re: Case No. 22075 - Application of Catena Resources Operating, LLC for Compulsory Pooling, Lea County, New Mexico.**

To whom it may concern:

This letter is to advise you that Catena Resources Operating, LLC filed the enclosed application with the New Mexico Oil Conservation Division. The hearing will be conducted on **March 17, 2022** beginning at 8:15 a.m.

During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. To participate in the electronic hearing, see the instructions posted on the OCD Hearings website: <http://www.emnrd.state.nm.us/OCD/announcements.html>. 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 filed at the Division's Santa Fe office or electronically submitted to [ocd.hearings@state.nm.us](mailto:ocd.hearings@state.nm.us) 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 do not hesitate to contact me if you have any questions about this matter.

Sincerely,

/s/ Dana S. Hardy

Dana S. Hardy

Enclosure

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

PO BOX 1720  
ARTESIA, NEW MEXICO 88210  
575-622-6510  
(FAX) 575-746-6316

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 CATENA RESOURCES  
OPERATING, LLC FOR COMPULSORY  
POOLING, LEA COUNTY, NEW MEXICO

Case No. 22075

NOTICE LETTERS

<b>PARTY</b>	<b>NOTICE LETTER SENT</b>	<b>RETURN RECEIVED</b>
Alpha Energy Partners, LLC P.O. Box 10701 Midland, TX 79702	07/09/21	07/21/21
COG Operating, LLC 600 W. Illinois Avenue Midland, TX 79701	07/09/21	07/16/21
Featherstone Development Corp. Attn: Olen Featherstone, III P.O. Box 429 Roswell, NM 88202	02/18/22	02/28/22
Debra Kay Primera P.O. Box 143277 Irving, TX 75014	02/18/22	02/23/22
South Fifth Energy, LLC 101 Homestead Loop Ruidoso, NM 88345	07/09/21	07/19/21 – returned as undeliverable-unable to forward

Catena Resources Operating, LLC  
Case No. 22075  
Exhibit C-2

7020 0640 0000 0143 3253

**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL RECEIPT**

Certified Mail Fee \$ \_\_\_\_\_

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$ \_\_\_\_\_

Return Receipt (electronic) \$ \_\_\_\_\_

Certified Mail Restricted Delivery \$ \_\_\_\_\_

Adult Signature Required \$ \_\_\_\_\_

Adult Signature Restricted Delivery \$ \_\_\_\_\_

Postage \$ \_\_\_\_\_

Total Postage and Fees \$ \_\_\_\_\_

Sent To

Alpha Energy Partners, LLC  
P.O. Box 10701  
Midland, TX 79702

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature</p> <p>X <i>David M. Frisbie</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>David M. Frisbie</i></p> <p>C. Date of Delivery <i>07-19-21</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p> <p style="text-align: center; font-size: 2em;"><i>10701</i></p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Alpha Energy Partners, LLC PO Box 10701 Midland, TX 79702</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 checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input checked="" 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</p> <p><input type="checkbox"/> Insured Mail</p> <p><input type="checkbox"/> Insured Mail Restricted Delivery (over \$500)</p>
<p>2. Article Number (Transfer from service label)</p> <p>7020 0640 0000 0143 3253</p>	

PS Form 3811, July 2020 PSN 7530-02-000-9053

Domestic Return Receipt

7020 0640 0000 0143 3260

**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee  
\$

Extra Services & Fees (check box and fee as appropriate)

Return Receipt (hardcopy)  
 Return Receipt (electronic)  
 Certified Mail Restricted Delivery  
 Adult Signature Required  
 Adult Signature Restricted Delivery

Postage  
\$

Total Postage and Fees  
\$

Sent To  
COG Operating, LLC  
600 West Illinois Avenue  
Midland, TX 79701

City, State

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



**SENDER: COMPLETE THIS SECTION**

- 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.

1. Article Addressed to:

COG Operating, LLC  
600 West Illinois Avenue  
Midland, TX 79701



9590 9402 5751 0003 3973 81

2. Article Number (Transfer from certified mail)

7020 0640 0000 0143 3260

**COMPLETE THIS SECTION ON DELIVERY**

A. Signature

X *[Signature]*  Agent  
 Addressee

B. Received by (Printed Name)

*Danese Lopez*

C. Date of Delivery

*7/14/21*

D. Is delivery address different from item 1?  Yes

If YES, enter delivery address below:  No

**3. Service Type**

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Insured Mail Restricted Delivery (over \$500)
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

7021 0950 0002 0365 6606

**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Debra Kay Primera  
Street and Apt. P.O. Box 143277  
Irving, TX 75014  
City, State, ZIP

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) C. Date of Delivery</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>1. Article Addressed to:</p> <p>Featherstone Development Corp. Attn: Olen Featherstone, III P.O. Box 429 Roswell, NM 88202</p> <p>9590 9402 5760 0003 2714 36</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 checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input checked="" 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"/> Insured Mail Restricted Delivery (over \$500)</p>
<p>2. Article Number (Transfer from service label)</p> <p>7021 0950 0002 0365 6606</p>	
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt

7021 0950 0002 0365 6613

**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL USE**

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

Return Receipt (hardcopy) \$

Return Receipt (electronic) \$

Certified Mail Restricted Delivery \$

Adult Signature Required \$

Adult Signature Restricted Delivery \$

Postage \$

Total Postage and Fees \$

Sent To Debra Kay Primera

Street and Apt. P.O. Box 143277

City, State, ZIP+4 Irving, TX 75014

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>Complete items 1, 2, and 3.</li> <li>Print your name and address on the reverse so that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <i>[Signature]</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <i>Debra Kay Primera</i> C. Date of Delivery <i>2/22/22</i></p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input type="checkbox"/> No If YES, enter delivery address below:</p>
<p>1. Article Addressed to:</p> <p>Debra Kay Primera P.O. Box 143277 Irving, TX 75014</p> <p>9590 9402 5760 0003 2714 43</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 checked="" type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery</p> <p><input type="checkbox"/> Certified Mail Restricted Delivery <input checked="" 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"/> Insured Mail Restricted Delivery (over \$500)</p>
<p>2. Article Number (Transfer from service label)</p> <p>7021 0950 0002 0365 6613</p>	
PS Form 3811, July 2015 PSN 7530-02-000-9053	Domestic Return Receipt

7202 0640 0000 0143 3246

**CERTIFIED MAIL® RECEIPT**  
Domestic Mail Only

For delivery information, visit our website at [www.usps.com](http://www.usps.com)®.

**OFFICIAL RECEIPT**

Certified Mail Fee \$

Extra Services & Fees (check box, add fee as appropriate)

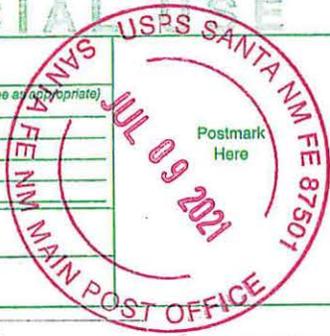
<input type="checkbox"/> Return Receipt (hardcopy)	\$
<input type="checkbox"/> Return Receipt (electronic)	\$
<input type="checkbox"/> Certified Mail Restricted Delivery	\$
<input type="checkbox"/> Adult Signature Required	\$
<input type="checkbox"/> Adult Signature Restricted Delivery	\$

Postage \$

**Total Postage and Fees** \$

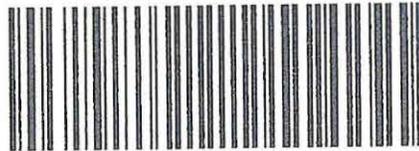
Sent To: South Fifth Energy, LLC  
Street and: 101 Homestead Loop  
City, State: Ruidoso, NM 88345

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions



**CERTIFIED MAIL®**

**INKLE SHANOR LLP**  
ATTORNEYS AT LAW  
POST OFFICE BOX 2068  
NTA FE, NEW MEXICO 87504



7202 0640 0000 0143 3246



Handwritten initials: AS 7/19

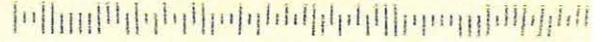
South Fifth Energy, LLC  
101 Homestead Loop  
Ruidoso, NM 88345

NIXIE 799 DE 1 0007/17

RETURN TO SENDER  
INSUFFICIENT ADDRESS  
UNABLE TO FORWARD

IA  
87504-2068  
0000913767

BC: 87504206868 \*0268-04813-09



# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

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).

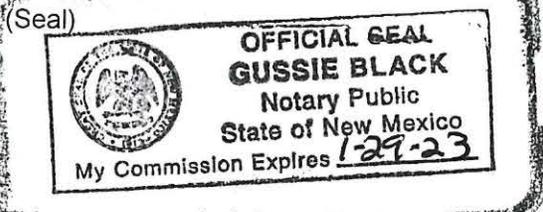
Beginning with the issue dated  
July 14, 2021  
and ending with the issue dated  
July 14, 2021.

  
\_\_\_\_\_  
Publisher

Sworn and subscribed to before me this  
14th day of July 2021.

  
\_\_\_\_\_  
Business Manager

My commission expires  
January 29, 2023



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

**LEGAL NOTICE**  
July 14, 2021

This is to notify all interested parties, including Alpha Energy Partners, LLC; COG Operating, LLC; South Fifth Energy, LLC; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Catena Resources Operating, LLC (Case No. 22075). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on August 5, 2021 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <http://www.emnrd.state.nm.us/OCD/hearings.html>. Applicant applies for an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit ("Unit") comprised of the E/2W/2 of Sections 8 and 17, Township 19 South, Range 35 East, Lea County, New Mexico. The Unit will be dedicated to the Rambo E2W2 08-17 B1 1H well ("Well") which will be horizontally drilled from a surface location in the NE/4NW/4 (Unit C) of Section 8 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 17. 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 miles west of Hobbs, New Mexico.  
#36637

02107475

00256183

GILBERT  
HINKLE, SHANOR LLP  
PO BOX 2068  
SANTA FE, NM 87504

Catena Resources Operating, LLC  
Case No. 22075  
Exhibit C-3

# Affidavit of Publication

STATE OF NEW MEXICO  
COUNTY OF LEA

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).

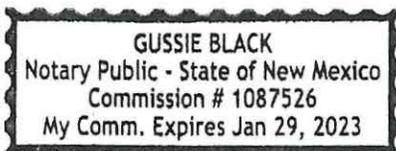
Beginning with the issue dated  
March 02, 2022  
and ending with the issue dated  
March 02, 2022.

  
\_\_\_\_\_  
Publisher

Sworn and subscribed to before me this  
2nd day of March 2022.

  
\_\_\_\_\_  
Business Manager

My commission expires  
January 29, 2023  
(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL	LEGAL
<b>LEGAL NOTICE</b> March 2, 2022	
<p>This is to notify all interested parties, including Alpha Energy Partners, LLC; COG Operating, LLC; South Fifth Energy, LLC; Featherstone Development Corp.; Debra Kay Primera; and their successors and assigns, that the New Mexico Oil Conservation Division will conduct a hearing on an application submitted by Catena Resources Operating, LLC (Case No. 22075). During the COVID-19 Public Health Emergency, state buildings are closed to the public and hearings will be conducted remotely. The hearing will be conducted on March 17, 2022 beginning at 8:15 a.m. To participate in the electronic hearing, see the instructions posted on the docket for the hearing date: <a href="http://www.emnrd.state.nm.us/OCD/hearings.html">http://www.emnrd.state.nm.us/OCD/hearings.html</a>. Applicant applies for an order pooling all uncommitted mineral interests in the Bone Spring formation in a 320-acre, more or less, standard horizontal spacing unit ("Unit") comprised of the E/2W/2 of Sections 8 and 17, Township 19 South, Range 35 East, Lea County, New Mexico. The Unit will be dedicated to the Rambo E2W2 08-17 B1 1H well ("Well") which will be horizontally drilled from a surface location in the NE/4NW/4 (Unit C) of Section 8 to a bottom hole location in the SE/4SW/4 (Unit N) of Section 17. 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 miles west of Hobbs, New Mexico. #37371</p>	

02107475

00264151

GILBERT  
HINKLE, SHANOR LLP  
PO BOX 2068  
SANTA FE, NM 87504