

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

APPLICATION OF CIMAREX  
ENERGY CO. FOR COMPULSORY  
POOLING, EDDY COUNTY,  
NEW MEXICO

CASE NO. 20559

Examiner Docket: June 13, 2019

CIMAREX'S EXHIBITS

Black River 25



Earl E. DeBrine, Jr.  
Lance D. Hough

 MODRALL SPERLING

500 Fourth Street NW, Suite 1000  
P. O. Box 2168 / Albuquerque, NM 87103  
Telephone 505.848.1800  
[edebrine@modrall.com](mailto:edebrine@modrall.com)  
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ENERGY CO. FOR COMPULSORY  
POOLING, EDDY COUNTY,  
NEW MEXICO**

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**CIMAREX'S EXHIBITS**

**Black River 25**

- Exhibit A      Affidavit of Caitlin Pierce
- A-1      Application
  - A-2      C102
  - A-3      Tract Exhibit Pooling – Black River 25 Fed Com 1H
  - A-4      Well Proposal
  - A-5      AFE's
- Exhibit B      Affidavit of Harry Hastings
- B-1      Geology Exhibits
  - B-2      Geology Exhibits
  - B-3      Geology Exhibits
  - B-4      Geology Exhibits
- Exhibit C      Affidavit of Earl E. DeBrine, Jr.
- C-1      Certified Mail Log / Notice May 24, 2019
  - C-2      Certified Mail Log / Report June 12, 2019
  - C-3      Affidavit of Publication

Earl E. DeBrine, Jr.  
Lance D. Hough



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P. O. Box 2168 / Albuquerque, NM 87103  
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APPLICATION OF CIMAREX  
ENERGY CO. FOR COMPULSORY  
POOLING, EDDY COUNTY,  
NEW MEXICO

CASE NO. 20559

AFFIDAVIT OF CAITLIN PIERCE

STATE OF TEXAS            )  
                                  ) ss.  
COUNTY OF MIDLAND    )

Caitlin Pierce, being duly sworn, deposes and states:

1. I am a landman for Cimarex Energy Co. ("Cimarex"), over the age of 18 and have personal knowledge of the matters stated herein. I have previously been qualified to testify by the New Mexico Oil Conservation Division as an expert in petroleum land matters.

2. Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the above referenced compulsory pooling applications filed by Cimarex.

3. This case involves a request for an order from the Division for compulsory pooling of interest owners who have refused to voluntarily pool their interests for the proposed Wolfcamp horizontal spacing units described below, and in the well to be drilled in the horizontal spacing unit.

4. No opposition is expected. Prior to filing its applications Cimarex contacted the interest owners being pooled regarding the proposed well; the pooled interest owners have failed or refused to voluntarily commit their interests in the well. Cimarex provided all of the working interest owners and any unleased mineral owners and overriding royalty owners with notice of these applications and none have entered an appearance in opposition to Cimarex's application.

Case Nos. 20559

**CIMAREX**

EXHIBIT A

5. In its Application, Cimarex seeks an order from the Division pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the W/2 of Section 24 and W/2 of Section 25, Township 24 South, Range 26 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the **Black River 25 Federal Com 1H** well, to be horizontally drilled. The Application is attached hereto as **Exhibit A.1**.

6. Attached as **Exhibit A.2** is the proposed C-102 for the well. The well will develop the Purple Sage Wolfcamp pool, pool code 98220, which is a gas pool.

7. The Purple Sage Wolfcamp pool is governed by special pool rules, which require setbacks at least 330 feet from a unit boundary.

8. The producing interval for the wells will be orthodox and will comply with the Division's set back requirements and the special Purple Sage Wolfcamp pool rules.

9. A lease tract map outlining the unit to be pooled is attached hereto as **Exhibit A.3**. The working interest owners being pooled and the percent of their interests is also included as part of **Exhibit A.3**. Cimarex owns a 50.47% interest in the proposed unit and has a right to drill a well thereon.

10. There are no depth severances within the proposed spacing unit.

11. I identified all of the working interest and overriding royalty interest owners from a title opinion. To locate owners, I conducted a diligent search of the public records in the county where the well is located, and conducted phone directory and computer searches to locate contact information for parties entitled to notification, and mailed all working interest owners well proposals, including an Authorization for Expenditure and a form of Operating Agreement.

12. Prior to filing its application, Cimarex made a good faith effort to obtain voluntary joinder of the working interest owners in the proposed well.



13. **Exhibit A.4** is a sample well proposal letter sent to each of the interest owners seeking their voluntary participation in the well.

14. **Exhibit A.5** is the Authorization for Expenditure for the proposed well. The estimated cost of the well set forth therein of \$12,965,500 is fair and reasonable, and is comparable to the costs of other wells of similar depth, length and completion method being drilled in this area of New Mexico.

15. Cimarex requests overhead and administrative rates of \$7,000/month during drilling and \$700/month while producing. These rates are fair and comparable to the rates charged by other operators for wells of this type in this area of Southeastern, New Mexico and consistent with the rates awarded by the Division in recent compulsory pooling orders. Cimarex requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

16. Cimarex requests the maximum cost plus 200% risk charge be assessed against non-consenting pooled working interest owners.

17. Cimarex requests that it be designated operator of the well.

18. Cimarex requests that it be allowed a period of one (1) year between when the wells are drilled and when the first well is completed under the order.

19. The parties Cimarex is seeking to pool were notified of this hearing.

20. Cimarex requests that overriding royalty interest owners be pooled.

21. Based upon my knowledge of the land matters involved in this case, education and training, it is my expert opinion that the granting of Cimarex's applications in this case is in the interests of conservation and the prevention of waste.

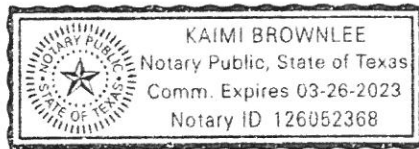
22. The attachments to my Affidavit were prepared by me or compiled from company business records.

23. I attest that the information provided herein is true, correct and complete to the best of my knowledge and belief.

Caitlin Pierce  
Caitlin Pierce

SUBSCRIBED AND SWORN to before me this 12 day of June 2019 by Caitlin Pierce.

SEAL



Kaimi Brownlee  
Notary Public  
My commission expires: 3/26/2023

W3443522.DOCX

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

**APPLICATION OF CIMAREX  
ENERGY CO. FOR COMPULSORY  
POOLING, EDDY COUNTY,  
NEW MEXICO**

CASE NO. \_\_\_\_\_

**APPLICATION**

Cimarex Energy Co. ("Cimarex"), OGRID Number 215099, through its undersigned attorneys, hereby makes an application to the Oil Conservation Division pursuant to the provisions of NMSA (1978), Section 70-2-17, for an order: (1) to the extent necessary, approving the creation of a 640-acre, more or less, Wolfcamp spacing unit; and, (2) pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the W/2 of Section 24 and W/2 of Section 25, Township 24 South, Range 26 East, NMPM, Eddy County, New Mexico. In support of this application, Cimarex states as follows:

1. Cimarex is an interest owner in the subject lands and has a right to drill a well thereon.
2. Cimarex seeks to dedicate the W/2 of Section 24 and W/2 of Section 25, Township 24 South, Range 26 East, NMPM, Eddy County, New Mexico to form a 640-acre, more or less, spacing unit.
3. Cimarex plans to drill the **Black River 25 Federal Com 1H** well to a depth sufficient to test the Wolfcamp formation. This well is a horizontal well with a surface location 192' FSL and 2,127' FWL of Section 25 Township 24 South, Range 26 East, Eddy County, and the intended bottom hole location is 330' FNL and 1,284' FWL of Section 24, Township 24 South, Range 26 East, Eddy County. This well is proposed to be drilled vertically to a depth of



approximately 8,645' to the Wolfcamp formation and laterally in a southerly direction within the formation to the referenced bottom hole location.

4. This well will be located within the Purple Sage Wolfcamp Gas Pool and will comply with the Division's setback requirements in Order No. R-14262.

5. Cimarex sought, but has been unable to obtain, a voluntary agreement from all interest owners in the Wolfcamp formation underlying the proposed spacing unit to participate in the drilling of the well or to otherwise commit their interests to the well.

6. The creation of a horizontal spacing unit and the pooling of all interests in the Wolfcamp formation underlying the proposed unit will prevent the drilling of unnecessary wells, prevent waste and protect correlative rights.

WHEREFORE, this case is set for hearing before an Examiner of the Oil Conservation Division on June 13, 2019, Cimarex requests that, after notice and hearing as required by law, the Division enter its order:

A. Creating a horizontal spacing unit in the Wolfcamp formation comprised of W/2 of Section 24 and W/2 of Section 25, Township 24 South, Range 26 East, NMPM, Eddy County, New Mexico;

B. Pooling all mineral interests in the Wolfcamp formation underlying a horizontal spacing unit within the W/2 of Section 24 and W/2 of Section 25, Township 24 South, Range 26 East, NMPM, Eddy County, New Mexico;

C. Designating Cimarex as operator of this unit and the well to be drilled thereon;

D. Authorizing Cimarex to recover its costs of drilling, equipping and completing this well;

E. Approving actual operating charges and costs charged for supervision, together with a provision adjusting the rates pursuant to the COPAS accounting procedure;

F. Setting a 200% charge for the risk involved in drilling and completing the well in the event a working interest owner elects not to participate in the well.

Respectfully submitted,

MODRALL, SPERLING, ROEHL, HARRIS  
& SISK, P.A.

By: 

Earl E. DeBrine, Jr.  
Lance D. Hough  
Post Office Box 2168  
500 Fourth Street NW, Suite 1000  
Albuquerque, New Mexico 87103-2168  
Telephone: 505.848.1800  
[edebrine@modrall.com](mailto:edebrine@modrall.com)  
[ldh@modrall.com](mailto:ldh@modrall.com)  
*Attorney for Applicant*

W3368930.DOCX

**CASE NO. \_\_\_\_: Application of Cimarex Energy Co. for compulsory pooling, Eddy County, New Mexico.** Applicant seeks an order from the Division: (1) to the extent necessary, approving the creation of a 640-acre, more or less, Wolfcamp horizontal spacing unit; and, (2) pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the W/2 of Section 24 and W/2 of Section 25, Township 24 South, Range 26 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the **Black River 25 Federal Com 1H** well, to be horizontally drilled. The producing area for this well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Cimarex as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 15 miles South of Carlsbad, New Mexico.

District I  
1623 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (505) 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

RECEIVED

JUL 11 2018

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

☐ AMENDED REPORT

DISTRICT II-ARTESIA O.C.D.

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-43373		2 Pool Code 98220		3 Pool Name Purple Sage, Wolfcamp (Gas)	
4 Property Code 315262		5 Property Name BLACK RIVER 25 FED COM		6 Well Number 1H	
7 OGRID No. 215099		8 Operator Name CIMAREX ENERGY CO.		9 Elevation 3312.9'	

"Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
N	25	24 S	26 E		192	SOUTH	2127	WEST	EDDY

"Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
D	24	24 S	26 E		330	NORTH	660	WEST	EDDY
10 Dedicated Acres 640		11 Joint or Infill		12 Consolidation Code		13 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.

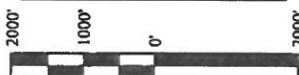
LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N89°29'19"W	1456.99'

NOTE:  
Distances referenced on plat to section lines are perpendicular.  
Basis of Bearing is a Transverse Mercator Projection with a Central Meridian of W103°07'02.74"

- = SURFACE HOLE LOCATION
- ◇ = LANDING POINT
- = BOTTOM HOLE LOCATION

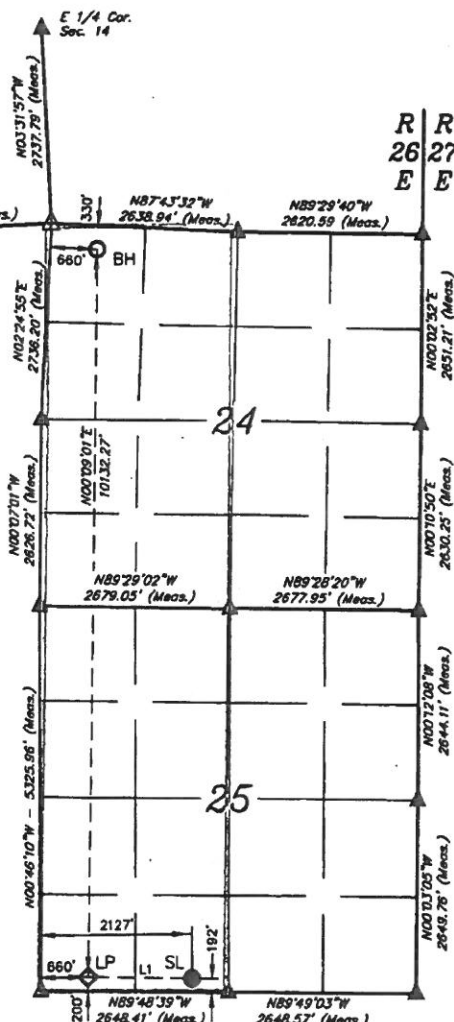
NAD 83 (SURFACE LOCATION)	
LATITUDE = 32°10'53.08" (32.181411)	
LONGITUDE = 104°14'53.69" (104.248247)	
NAD 27 (SURFACE LOCATION)	
LATITUDE = 32°10'52.65" (32.181292)	
LONGITUDE = 104°14'51.90" (104.247750)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 429742.02 E: 567661.00	
STATE PLANE NAD 27 (N.M. EAST)	
N: 429684.38 E: 526478.34	

NAD 83 (TARGET BOTTOM HOLE)	
LATITUDE = 32°12'33.45" (32.209292)	
LONGITUDE = 104°15'10.47" (104.252908)	
NAD 27 (TARGET BOTTOM HOLE)	
LATITUDE = 32°12'33.07" (32.209172)	
LONGITUDE = 104°15'08.67" (104.252408)	
STATE PLANE NAD 83 (N.M. EAST)	
N: 43983.66 E: 54631.71	
STATE PLANE NAD 27 (N.M. EAST)	
N: 439823.86 E: 525029.33	



SCALE  
REVISED BY: D.J.S. 04-18-18

- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)



"OPERATOR CERTIFICATION

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

Amithy Crawford 5/4/2018  
Signature Date

Amithy Crawford  
Printed Name  
acrawford@cimarex.com  
E-mail Address

"SURVEYOR CERTIFICATION

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

August 22, 2014

Date of Survey  
Signature and Seal of Professional Surveyor:



Certificate Number:

EXHIBIT

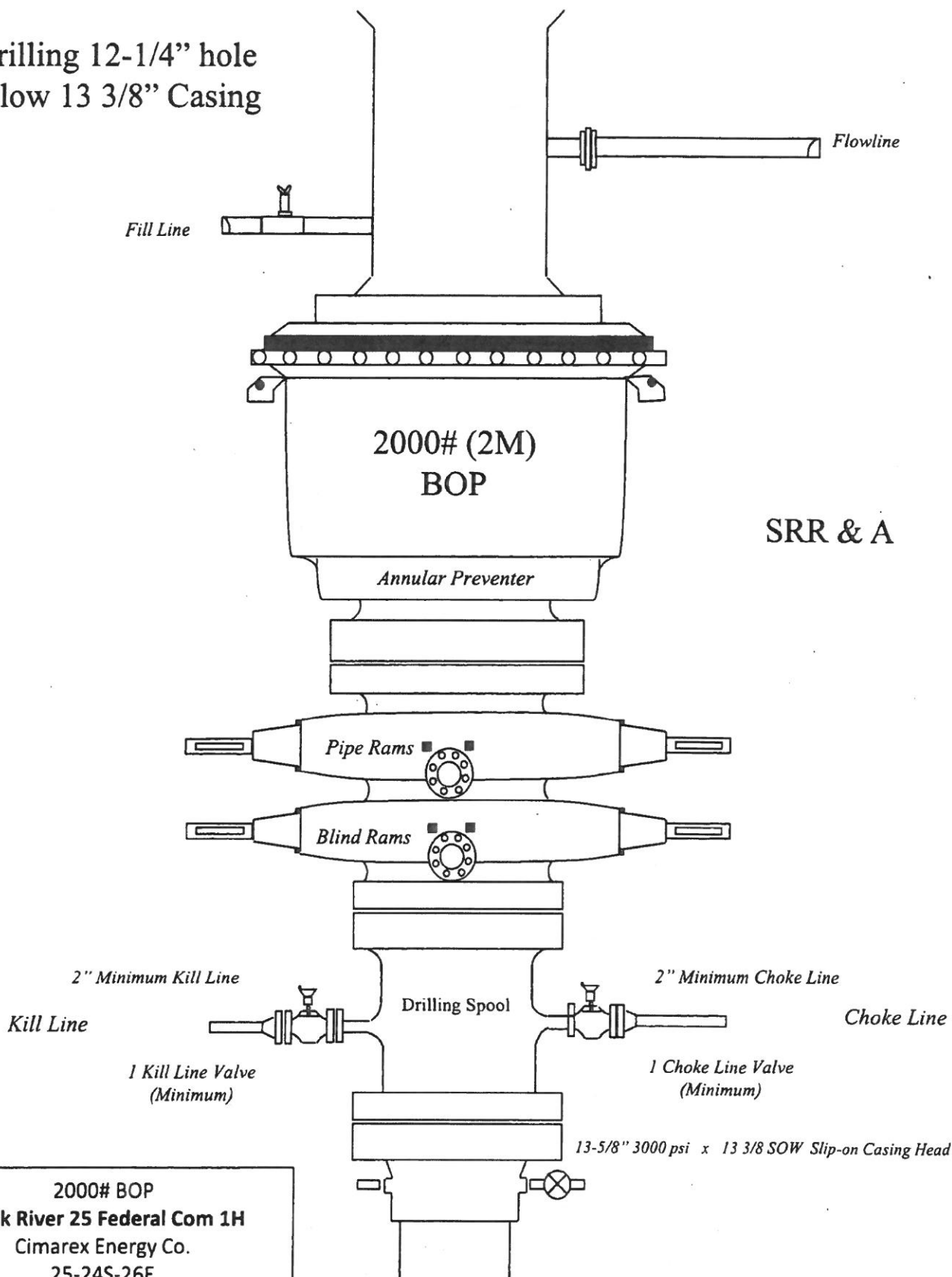
tabbies

A-2

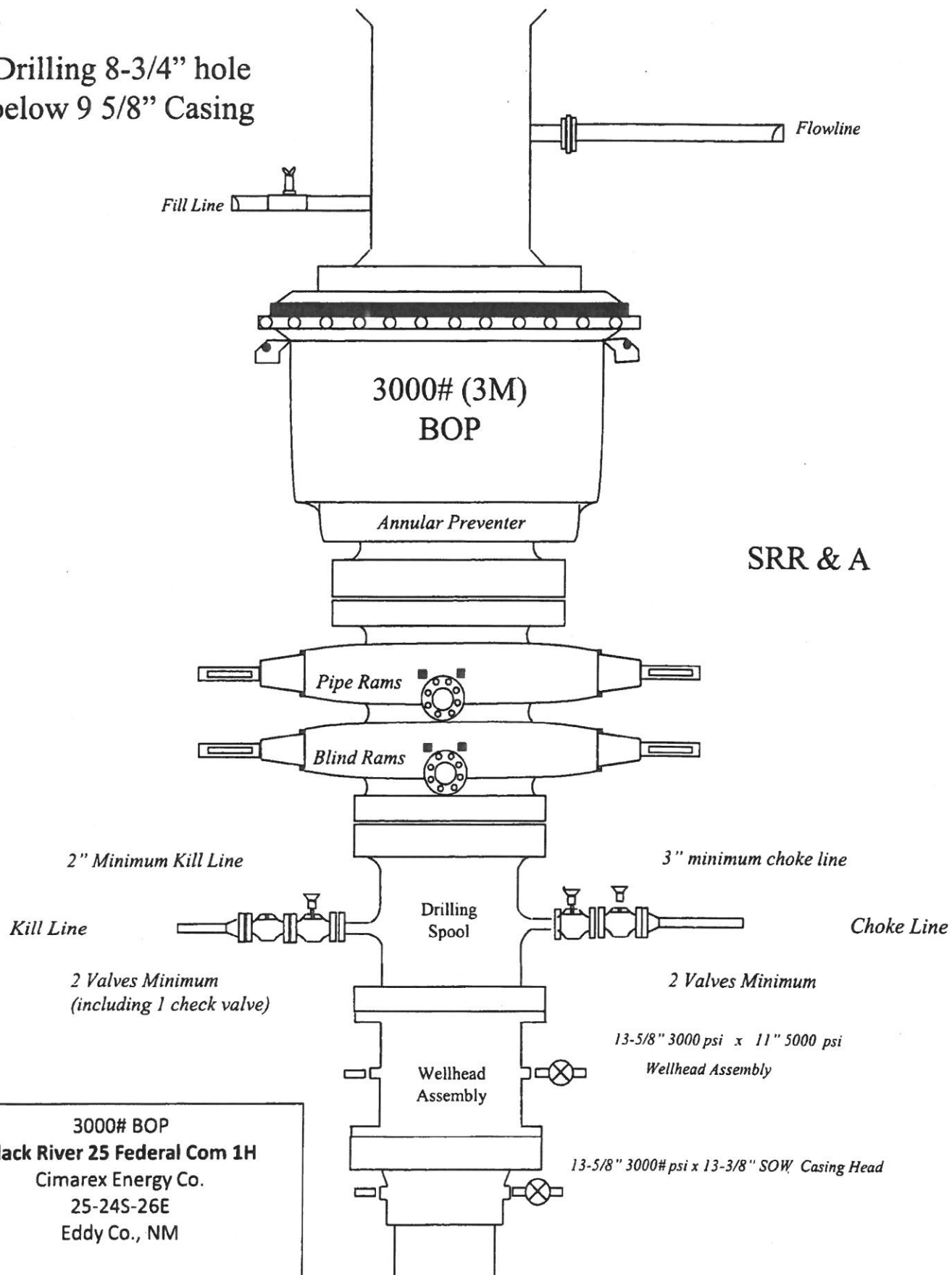
RWP 9-6-18



Drilling 12-1/4" hole  
below 13 3/8" Casing

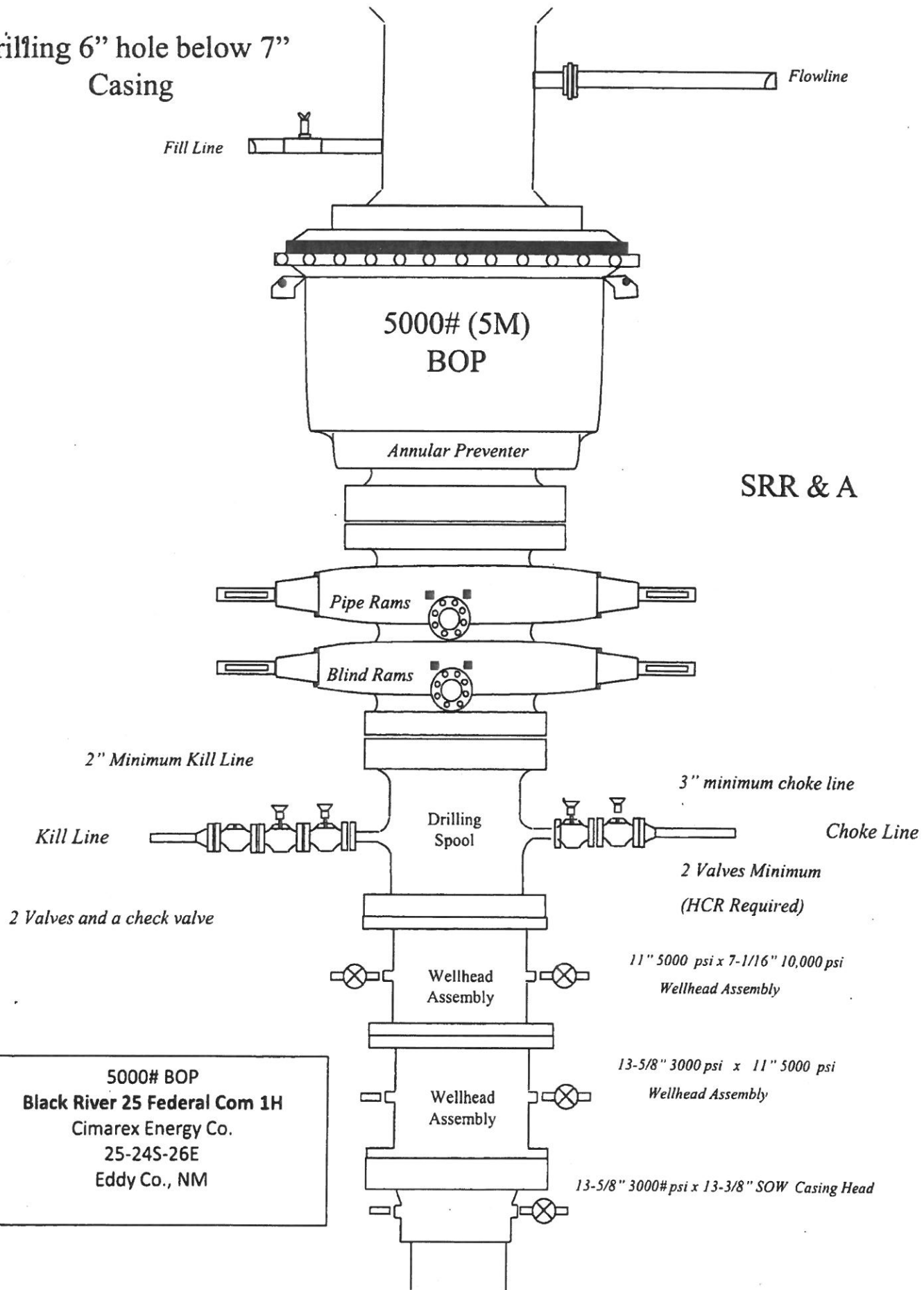


Drilling 8-3/4" hole  
below 9 5/8" Casing



3000# BOP  
Black River 25 Federal Com 1H  
Cimarex Energy Co.  
25-24S-26E  
Eddy Co., NM

Drilling 6" hole below 7" Casing



SRR & A

2" Minimum Kill Line  
Kill Line  
2 Valves and a check valve

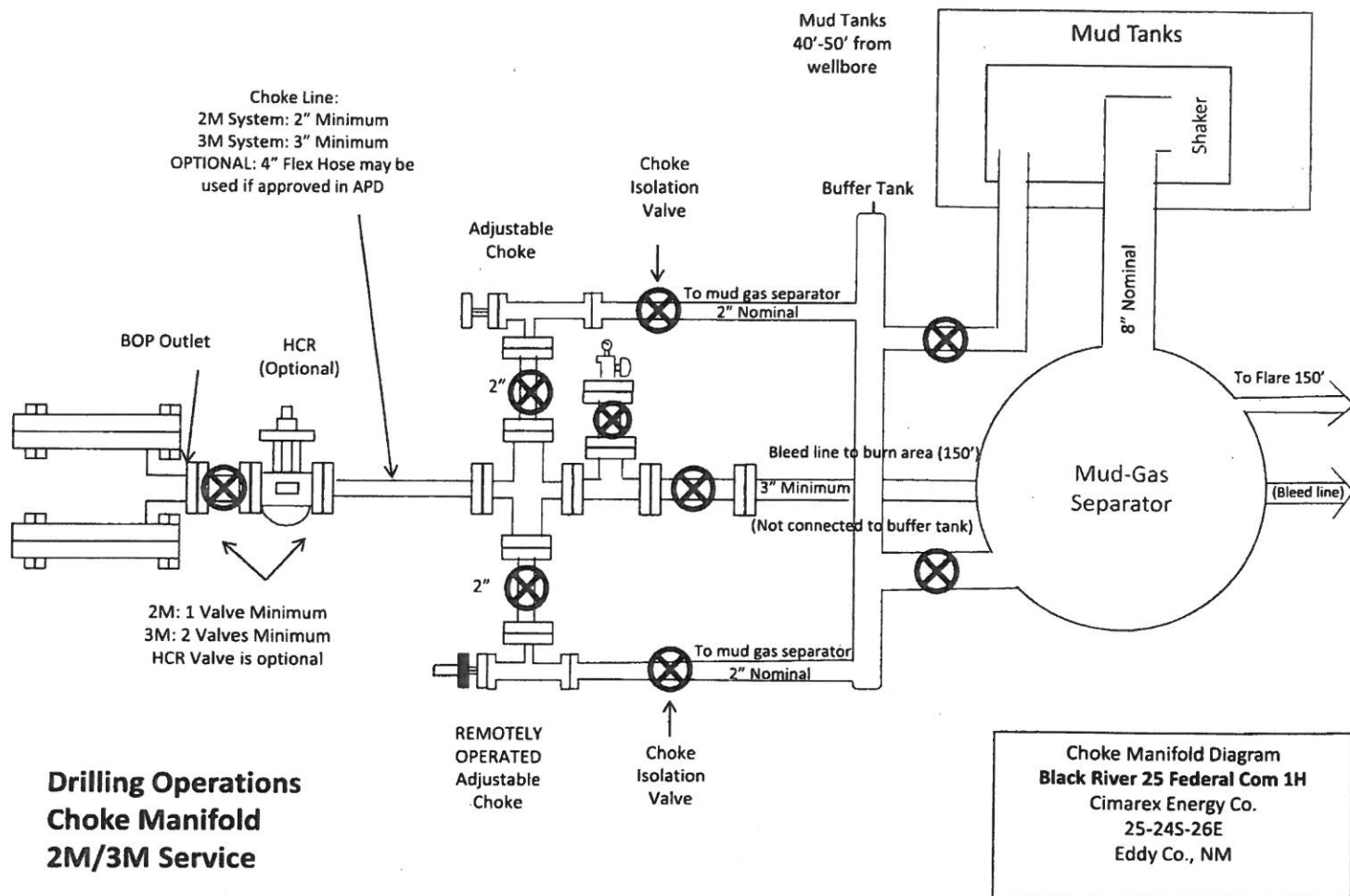
3" minimum choke line  
Choke Line  
2 Valves Minimum  
(HCR Required)

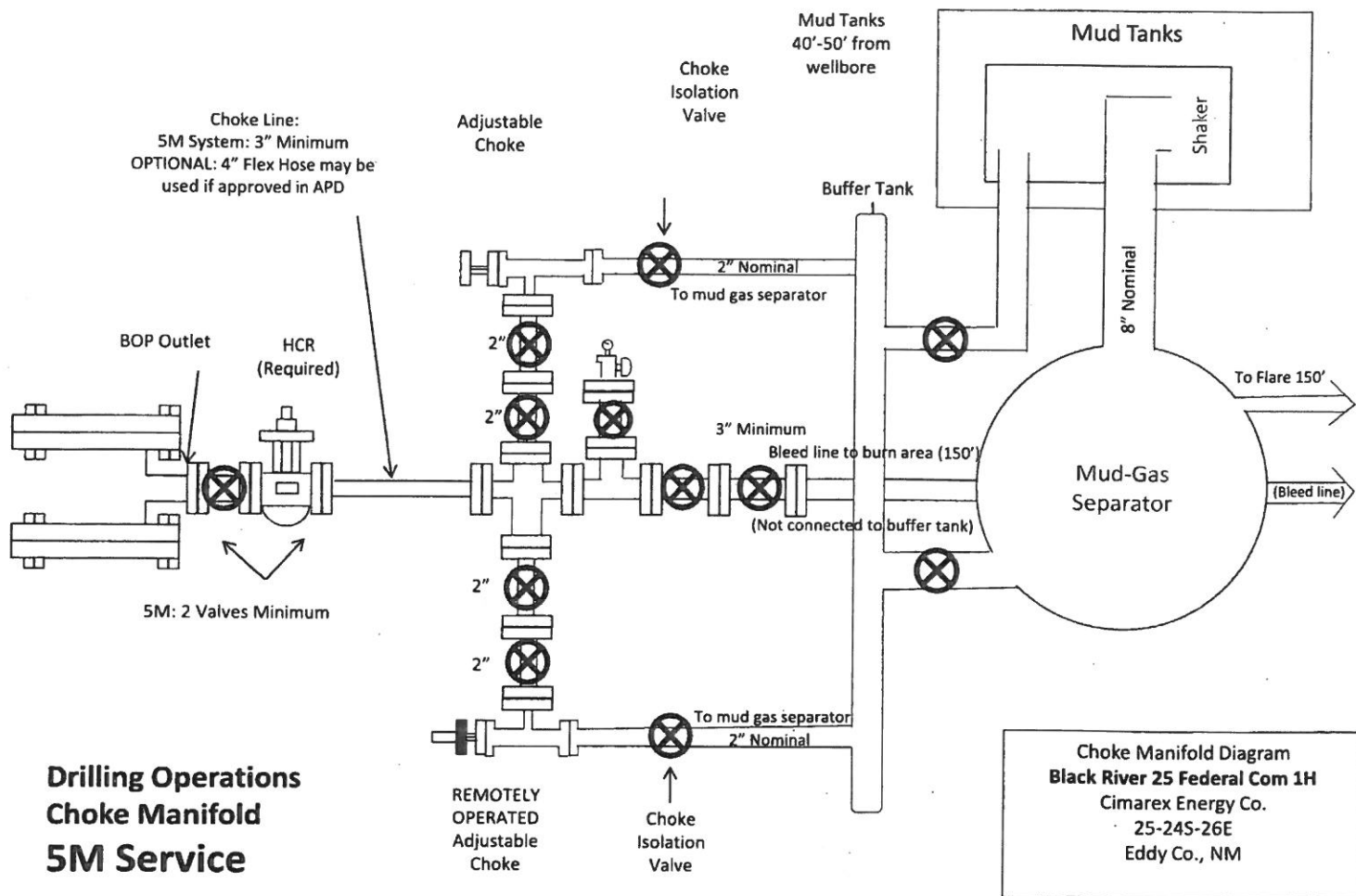
11" 5000 psi x 7-1/16" 10,000 psi  
Wellhead Assembly

13-5/8" 3000 psi x 11" 5000 psi  
Wellhead Assembly

13-5/8" 3000#psi x 13-3/8" SOW Casing Head

5000# BOP  
Black River 25 Federal Com 1H  
Cimarex Energy Co.  
25-24S-26E  
Eddy Co., NM

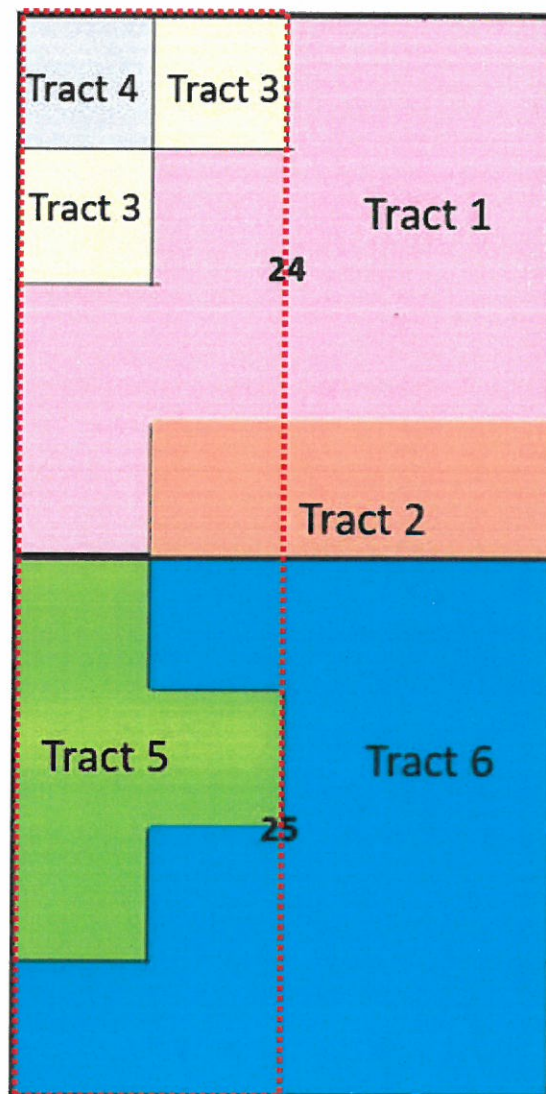




**Drilling Operations  
Choke Manifold  
5M Service**

**Black River 25 Federal Com 1H**  
**W/2 of Sections 24 & 25-24S-26E, Eddy County, NM**

Owner	Tract	Net	Working Interest Percentage	Force Pool Interest
Cimarex/MHPI	1, 2 & 6	323.028325	50.473176%	No – Operator
Matador Resources	1, 3 & 5	276.917675	43.267824%	Yes
WPX	3	40	6.25%	Yes
<b>TOTAL</b>		<b>640</b>	<b>100%</b>	



Cimarex Energy Co.  
600 N. Marienfeld  
Suite 600  
Midland, Texas 79701  
PHONE: 432.571.7800  
FAX: 432.571.7832



December 6, 2018

MRC Permian Company  
One Lincoln Center  
5400 LBJ Freeway, Suite 1500  
Dallas, Texas 75240  
Attn: Mr. Nick Weeks

**Via Certified Mail Return Receipt Requested:**

Re: New Well Proposal- Black River 25 Fed 1H  
W/2: Section 25-Township 24 South, Range 26 East, N.M.P.M.  
W/2: Section 24-Township 24 South, Range 26 East, N.M.P.M.  
Eddy County, New Mexico

Dear Working Interest Owner:

Cimarex Energy Co. hereby proposes to drill the Black River 25 Fed 1H well at a legal location in the W/2 of Section 25, Township 24 South Range 26 East and Section 24, Township 24 South, Range 26 East, Eddy County, New Mexico.

The intended surface hole location for the well is 192' FSL and 2,127' FWL of Section 25, Township 24 South, Range 26 East, Eddy County, and the intended bottom hole location is 330' FNL and 1,284' FWL of Section 24, Township 24 South, Range 26 East, Eddy County. The well is proposed to be drilled vertically to a depth of approximately 8,645' to the Wolfcamp formation and laterally in a southerly direction within the formation to the referenced bottom hole location.

It should be understood that compliance with topography or cultural or environmental concerns, among others, might require modification of Cimarex's intended procedure. Cimarex will advise you of any such modifications.

Enclosed, in duplicate, is (i) our detailed AFE reflecting estimated costs associated with this proposal, and; (ii) our proposed form of Operating Agreement to govern operations of the Black River 25 Fed 1H well. If you intend to participate, please approve and return one (1) original of the enclosed AFE, and one (1) original of the signature page to the Operating Agreement along with the contact information to receive your well data, to the undersigned within thirty (30) days of receipt of this proposal. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance to Cimarex prior to commencement of drilling operations; otherwise, you will be covered by insurance procured by Cimarex and will be responsible for your share of the cost.





If you do not wish to participate in the proposed well, Cimarex would be interested in acquiring a Term Assignment of your leasehold. Please contact the undersigned for additional details and terms.

If you should have any questions or comments, please do not hesitate to contact the undersigned at (432) 571-7862 if you should have any questions or comments.

Respectfully,

**Cimarex Energy Co.**  
Caitlin Pierce, Landman

**ELECTION TO PARTICIPATE**  
**Black River 25 Fed 1**

\_\_\_\_\_ MRC Permian Company elects **TO** participate in the proposed Black River 25 Fed 1H.

\_\_\_\_\_ MRC Permian Company elects **NOT** to participate in the proposed Black River 25 Fed 1H.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 2018.

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

If your election above is TO participate in the proposed Black River 25 Fed 1H, then:

\_\_\_\_\_ MRC Permian Company elects **TO** be covered by well control insurance procured by  
Cimarex Energy Co.

\_\_\_\_\_ MRC Permian Company elects **NOT** to be covered by well control insurance procured by  
Cimarex Energy Co. and agrees to provide Cimarex Energy Co. with a certificate of insurance  
prior to commencement of drilling operations **or** be deemed to have elected to be covered by well  
control insurance procured by Cimarex Energy Co.



# Authorization For Expenditure Drilling

Company Entity  
Cimarex Energy Co (001)

Date Prepared  
11/12/2018

Exploration Region	Well Name	Prospect	Property Number	AFE
Permian Basin	BLACK RIVER 25 FEDERAL 1H	Carlsbad Bone Spring Prospect	300001-150.01	26620022
County, State	Location		Estimated Spud	Estimated Completion
Eddy, NM	Sections 24 & 25-24S-26E, Eddy County, New Mexico		7/2/2019	8/3/2019
<b>X</b> New Supplement Revision	Formation	Well Type	Ttl Measured Depth	Ttl Vertical Depth
	Wolfcamp Upper	DEV	18,500	8,850

Purpose Drill and complete well

## Description

Drilling Drill and complete a horizontal test. Drill to 450', set water string casing. Drill to 1900', set surface casing. Drill to 8293' (KOP). Drill curve at 12°/100' initial build rate to +/- 75 degrees and set casing at +/- 8918' MD. Finish curve at +/- 4°/100' to +/- 8800' TVD and drill a +/- 9310' long lateral in the Wolfcamp formation. Run and cement production liner. Stage frac. Drill out plugs. Run production packer, tubing and GLVs.

Intangible	Dry Hole	After Casing Point	Completed Well Cost
Drilling Costs	\$2,820,000		\$2,820,000
Completion Costs		\$7,851,000	\$7,851,000
<b>Total Intangible Cost</b>	<b>\$2,820,000</b>	<b>\$7,851,000</b>	<b>\$10,671,000</b>
<b>Tangible</b>	<b>Dry Hole</b>	<b>After Casing Point</b>	<b>Completed Well Cost</b>
Well Equipment	\$381,000	\$513,000	\$894,000
Lease Equipment		\$1,400,500	\$1,400,500
<b>Total Tangible Cost</b>	<b>\$381,000</b>	<b>\$1,913,500</b>	<b>\$2,294,500</b>
<b>Total Well Cost</b>	<b>\$3,201,000</b>	<b>\$9,764,500</b>	<b>\$12,965,500</b>

## Comments On Well Costs

1. All tubulars, well or lease equipment is priced by COPAS and CEPS guidelines using the Historic Price Multiplier.

## Well Control Insurance

Unless otherwise indicated below, you, as a non-operating working interest owner, agree to be covered by Operator's well control insurance procured by Operator so long as Operator conducts operations hereunder and to pay your prorated share of the premiums therefore. If you elect to purchase your own well control insurance, you must provide a certificate of such insurance acceptable to Operator, as to form and limits, at the time this AFE is returned, if available, but in no event later than commencement of drilling operations. You agree that failure to provide the certificate of insurance, as provided herein, will result in your being covered by insurance procured by Operator.

**I elect to purchase my own well control insurance policy.**

## Marketing Election

Cimarex sells its gas under arm's-length contracts with third party purchasers. Such contracts may include fees. In addition, penalties may be incurred for insufficient volumes delivered over time. Should you choose to market your share of gas with Cimarex, you will be subject to all of the terms of such contracts. Upon written request to Cimarex's Marketing Department, we will share with you the terms and conditions pursuant to which gas will be sold. Failure to make an election below shall be deemed an election to market your gas with Cimarex under the terms and conditions set forth above.

**I elect to take my gas in kind.**

**I elect to market my gas with Cimarex pursuant to the terms and conditions of its contract.**

## Comments on AFE

The above costs are estimates only and anticipate trouble free operations without any foreseeable change in plans. The actual costs may exceed the estimated costs without affecting the authorization for expenditure herein granted. By approval of this AFE, the working interest owner agrees to pay its proportionate share of actual legal, curative, regulatory and well costs under term of the joint operating agreement, regulatory order or other applicable agreement covering this well.

## Nonoperator Approval

Company

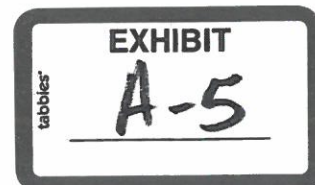
Approved By (Print Name)

Approved By (Signature)

Date

NOTICE TO NONOPERATOR: Costs shown on this form are estimates only. By executing this AFE, the consenting party agrees to pay its proportionate share of actual costs incurred. Overhead will be charged in accordance with the Joint Operating Agreement.

6/11/2019





# Authorization For Expenditure - BLACK RIVER 25 FEDERAL 1H

Description	BCP - Drilling		ACP - Drilling		Comp/Stim		Production Equip		Post Completion		Total
	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Codes	Amount	Cost
Roads & Location	DIDC.100	280,000			STIM.100	10,000	CON.100	20,000	PCOM.100	5,000	315,000
Damages	DIDC.105	6,000					CON.105	13,500			19,500
Mud/Fluids Disposal	DIDC.255	145,000			STIM.255	53,000			PCOM.255	130,000	328,000
Day Rate	DIDC.115	475,000	DICC.120	100,000							575,000
Misc Preparation	DIDC.120	35,000									35,000
Bits	DIDC.125	75,000	DICC.125	0	STIM.125	0			PCOM.125	0	75,000
Fuel	DIDC.135	79,000	DICC.130	0					PCOM.130	0	79,000
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	24,000			PCOM.135	0	29,000
Mud & Additives	DIDC.145	187,000									187,000
Surface Rentals	DIDC.150	84,000	DICC.140	0	STIM.140	237,000	CON.140	8,000	PCOM.140	180,000	509,000
Flowback Labor					STIM.141	0			PCOM.141	0	0
Downhole Rentals	DIDC.155	142,000			STIM.145	0			PCOM.145	0	142,000
Automation Labor							CON.150	72,000	PCOM.150	0	72,000
Formation Evaluation (DST, Coring, etc.)	DIDC.160	0			STIM.150	0					0
Mud Logging	DIDC.170	22,000									22,000
Open Hole Logging	DIDC.180	0									0
Cementing & Float Equipment	DIDC.185	158,000	DICC.155	53,000							211,000
Tubular Inspections	DIDC.190	50,000	DICC.160	5,000	STIM.160	4,000			PCOM.160	0	59,000
Casing Crews	DIDC.195	20,000	DICC.165	13,000	STIM.165	0					33,000
Mechanical Labor	DIDC.200	20,000	DICC.170	10,000	STIM.170	0	CON.170	268,000	PCOM.170	30,000	328,000
Trucking/Transportation	DIDC.205	25,000	DICC.175	8,000	STIM.175	4,000	CON.175	35,000	PCOM.175	0	72,000
Supervision	DIDC.210	96,000	DICC.180	16,000	STIM.180	94,000	CON.180	38,500	PCOM.180	0	244,500
Trailer House/Camp/Catering	DIDC.280	28,000	DICC.255	4,000	STIM.280	45,000					77,000
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	0	CON.190	30,000	PCOM.190	0	35,000
Overhead	DIDC.225	10,000	DICC.195	5,000							15,000
Remedial Cementing	DIDC.231	0			STIM.215	0			PCOM.215	0	0
MOB/DEMOB	DIDC.240	250,000									250,000
Directional Drilling Services	DIDC.245	342,000									342,000
Solids Control	DIDC.260	60,000									60,000
Well Control Equip (Snubbing Services)	DIDC.265	70,000	DICC.240	5,000	STIM.240	109,000			PCOM.240	0	184,000
Fishing & Sidetrack Services	DIDC.270	0	DICC.245	0	STIM.245	0			PCOM.245	0	0
Completion Rig					STIM.115	21,000			PCOM.115	0	21,000
Coil Tubing Services					STIM.260	293,000			PCOM.260	0	293,000
Completion Logging/Perforating/Wireline					STIM.200	469,000			PCOM.200	0	469,000
Composite Plugs					STIM.390	108,000			PCOM.390	0	108,000
Stimulation Pumping/Chemicals/Additives/Sand					STIM.210	3,542,000			PCOM.210	0	3,542,000
Stimulation Water/Water Transfer/Water Storage					STIM.395	886,000					886,000
Cimarex Owned Frac/Rental Equipment					STIM.305	40,000			PCOM.305	0	40,000
Legal/Regulatory/Curative	DIDC.300	10,000					CON.300	0			10,000
Well Control Insurance	DIDC.285	7,000									7,000
Major Construction Overhead							CON.305	0			0
Real Time Operations Center	DIDC.560	0			STIM.560	0					0
FL/GL - Labor							CON.500	55,500			55,500
FL/GL - Supervision							CON.505	20,500			20,500
Survey							CON.515	2,000			2,000
SWD/Other - Labor							CON.600	255,000			255,000
SWD/OTHER - SUPERVISION							CON.605	0			0
Contingency	DIDC.435	134,000	DICC.220	11,000	STIM.220	297,000	CON.220	173,000	PCOM.220	0	615,000
Contingency							CON.221	49,000			49,000
P&A Costs	DIDC.295	0	DICC.275	0							0
Total Intangible Cost		2,820,000		230,000		6,236,000		1,040,000		345,000	10,671,000
Drive Pipe	DWEB.150	0									0
Conductor Pipe	DWEB.130	0									0
Water String	DWEB.135	16,000									16,000
Surface Casing	DWEB.140	59,000									59,000
Intermediate Casing 1	DWEB.145	286,000									286,000
Intermediate Casing 2	DWEB.155	0									0
Drilling Liner	DWEB.160	0									0
Production Casing or Liner			DWEA.100	149,000							149,000
Production Tie-Back			DWEA.165	0	STIMT.101	0					0
Tubing					STIMT.105	81,000			PCOMT.105	0	81,000
Wellhead, Tree, Chokes	DWEB.115	20,000	DWEA.120	25,000	STIMT.120	60,000			PCOMT.120	0	105,000
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	90,000							90,000
Packer, Nipples					STIMT.400	28,000			PCOMT.400	0	28,000
Pumping Unit, Engine					STIMT.405	0			PCOMT.405	0	0
Downhole Lift Equipment					STIMT.410	80,000			PCOMT.410	0	80,000
Surface Equipment									PCOMT.420	0	0
Well Automation Materials									PCOMT.455	0	0
Total Tangible - Well Equipment Cost		381,000		264,000		249,000				0	894,000
N/C Lease Equipment							CONT.400	250,500			250,500
Tanks, Tanks Steps, Stairs							CONT.405	159,500			159,500
Battery Equipment							CONT.410	359,000			359,000
Secondary Containments							CONT.415	64,500			64,500
Overhead Power Distribution							CONT.420	112,500			112,500
Facility Electrical							CONT.425	124,500			124,500
Telecommunication Equipment							CONT.426	0			0
Meters and Metering Equipment							CONT.445	40,000			40,000
Facility Line Pipe							CONT.450	41,500			41,500
Lease Automation Materials							CONT.455	105,000			105,000
FL/GL - Materials							CONT.550	11,000			11,000
FL/GL - Line Pipe							CONT.555	5,500			5,500
SWD/Other - Materials							CONT.650	127,000			127,000
SWD/OTHER - LINE PIPE							CONT.655	0			0
Total Tangible - Lease Equipment Cost								1,400,500			1,400,500
Total Estimated Cost		3,201,000		494,000		6,485,000		2,440,500		345,000	12,965,500



## Authorization For Expenditure - BLACK RIVER 25 FEDERAL 1H

Description	BCP - Drilling			ACP - Drilling			Comp/Stim	
	Codes	Amount	Codes	Amount	Codes	Amount		
Roads & Location	DIDC.100	280,000			STIM.100	10,000		
Damages	DIDC.105	6,000						
Mud/Fluids Disposal	DIDC.255	145,000			STIM.255	53,000		
Day Rate	DIDC.115 18 days at \$25,000/day	475,000	DICC.120 4 days at \$25,000/day	100,000				
Misc Preparation	DIDC.120	35,000						
Bits	DIDC.125	75,000	DICC.125	0	STIM.125	0		
Fuel	DIDC.135 1,150 gal/day at \$3.00/gal	79,000	DICC.130	0				
Water for Drilling Rig (Not Frac Water)	DIDC.140	5,000	DICC.135	0	STIM.135	24,000		
Mud & Additives	DIDC.145	187,000						
Surface Rentals	DIDC.150 Per Day (BCP)/day	84,000	DICC.140	0	STIM.140	237,000		
Flowback Labor					STIM.141	0		
Downhole Rentals	DIDC.155	142,000			STIM.145	0		
Automation Labor								
Formation Evaluation (DST, Coring, etc.)	DIDC.160	0			STIM.150	0		
Mud Logging	DIDC.170 14 days at \$1,200/day	22,000						
Open Hole Logging	DIDC.180	0						
Cementing & Float Equipment	DIDC.185	158,000	DICC.155	53,000				
Tubular Inspections	DIDC.190	50,000	DICC.160	5,000	STIM.160	4,000		
Casing Crews	DIDC.195	20,000	DICC.165	13,000	STIM.165	0		
Mechanical Labor	DIDC.200	20,000	DICC.170	10,000	STIM.170	0		
Trucking/Transportation	DIDC.205	25,000	DICC.175	8,000	STIM.175	4,000		
Supervision	DIDC.210	96,000	DICC.180	16,000	STIM.180	94,000		
Trailer House/Camp/Catering	DIDC.280	28,000	DICC.255	4,000	STIM.280	45,000		
Other Misc Expenses	DIDC.220	5,000	DICC.190	0	STIM.190	0		
Overhead	DIDC.225	10,000	DICC.195	5,000				
Remedial Cementing	DIDC.231	0			STIM.215	0		
MOB/DEMOB	DIDC.240	250,000						
Directional Drilling Services	DIDC.245	342,000						
Solids Control	DIDC.260	60,000						
Well Control Equip (Snubbing Services)	DIDC.265	70,000	DICC.240	5,000	STIM.240	109,000		
Fishing & Sidetrack Services	DIDC.270	0	DICC.245	0	STIM.245	0		
Completion Rig					STIM.115	21,000		
Coil Tubing Services					STIM.260	293,000		
Completion Logging/Perforating/Wireline					STIM.200	469,000		
Composite Plugs					STIM.390	108,000		
Stimulation					STIM.210	3,542,000		
Stimulation Water/Water Transfer/Water					STIM.395	886,000		
Cimarex Owned Frac/Rental Equipment					STIM.305	40,000		
Legal/Regulatory/Curative	DIDC.300	10,000						
Well Control Insurance	DIDC.285 \$0.35/ft	7,000						
Major Construction Overhead								
Real Time Operations Center	DIDC.560	0			STIM.560	0		
FL/GL - Labor								
FL/GL - Supervision								
Survey								
SWD/Other - Labor								
SWD/OTHER - SUPERVISION								
Contingency	DIDC.435 500 % of Drilling Intangibles	134,000	DICC.220	11,000	STIM.220	297,000		
Contingency								
P&A Costs	DIDC.295	0	DICC.275	0				
Total Intangible Cost		2,820,000		230,000		6,236,000		
Drive Pipe	DWEB.150	0						
Conductor Pipe	DWEB.130	0						
Water String	DWEB.135	16,000						
Surface Casing	DWEB.140 9 5/8" - 1,900ft at \$31.00/ft	59,000						
Intermediate Casing 1	DWEB.145 7" - 9,020ft at \$29.00/ft	286,000						
Intermediate Casing 2	DWEB.155	0						
Drilling Liner	DWEB.160	0						
Production Casing or Liner			DWEA.100 4 1/2" - 11,470ft at \$13.00/ft	149,000				
Production Tie-Back			DWEA.165	0	STIMT.101	0		
Tubing					STIMT.105 3-1/2" - 7,390ft at \$11.00/ft	81,000		
Wellhead, Tree, Chokes	DWEB.115	20,000	DWEA.120	25,000	STIMT.120	60,000		
Liner Hanger, Isolation Packer	DWEB.100	0	DWEA.125	90,000				
Packer, Nipples					STIMT.400	28,000		
Pumping Unit, Engine					STIMT.405	0		
Downhole Lift Equipment					STIMT.410	80,000		
Surface Equipment								
Well Automation Materials								
Total Tangible - Well Equipment Cost		381,000		264,000		249,000		
N/C Lease Equipment								
Tanks, Tanks Steps, Stairs								
Battery Equipment								
Secondary Containments								
Overhead Power Distribution								
Facility Electrical								
Telecommunication Equipment								
Meters and Metering Equipment								
Facility Line Pipe								
Lease Automation Materials								
FL/GL - Materials								
FL/GL - Line Pipe								
SWD/Other - Materials								
SWD/OTHER - LINE PIPE								
Total Tangible - Lease Equipment Cost								
Total Estimated Cost		3,201,000		494,000		6,485,000		





# Authorization For Expenditure - BLACK RIVER 25 FEDERAL 1H

Description	Production Equip		Post Completion		Total	
	Codes	Amount	Codes	Amount	Cost	
Roads & Location	CON.100	20,000	PCOM.100	5,000	315,000	
Damages	CON.105	13,500			19,500	
Mud/Fluids Disposal			PCOM.255	130,000	328,000	
Day Rate					575,000	
Misc Preparation					35,000	
Bits			PCOM.125	0	75,000	
Fuel			PCOM.130	0	79,000	
Water for Drilling Rig (Not Frac Water)			PCOM.135	0	29,000	
Mud & Additives					187,000	
Surface Rentals	CON.140	8,000	PCOM.140	180,000	509,000	
Flowback Labor			PCOM.141	0	0	
Downhole Rentals			PCOM.145	0	142,000	
Automation Labor	CON.150	72,000	PCOM.150	0	72,000	
Formation Evaluation (DST, Coring, etc.)					0	
Mud Logging					22,000	
Open Hole Logging					0	
Cementing & Float Equipment					211,000	
Tubular Inspections			PCOM.160	0	59,000	
Casing Crews					33,000	
Mechanical Labor	CON.170	268,000	PCOM.170	30,000	328,000	
Trucking/Transportation	CON.175	35,000	PCOM.175	0	72,000	
Supervision	CON.180	38,500	PCOM.180	0	244,500	
Trailer House/Camp/Catering					77,000	
Other Misc Expenses	CON.190	30,000	PCOM.190	0	35,000	
Overhead					15,000	
Remedial Cementing			PCOM.215	0	0	
MOB/DEMOB					250,000	
Directional Drilling Services					342,000	
Solids Control					60,000	
Well Control Equip (Snubbing Services)			PCOM.240	0	184,000	
Fishing & Sidetrack Services			PCOM.245	0	0	
Completion Rig			PCOM.115	0	21,000	
Coil Tubing Services			PCOM.260	0	293,000	
Completion Logging/Perforating/Wireline			PCOM.200	0	469,000	
Composite Plugs			PCOM.390	0	108,000	
Stimulation Pumping/Chemicals/Additives/Sand			PCOM.210	0	3,542,000	
Stimulation Water/Water Transfer/Water Storage					886,000	
Cimarex Owned Frac/Rental Equipment			PCOM.305	0	40,000	
Legal/Regulatory/Curative	CON.300	0			10,000	
Well Control Insurance					7,000	
Major Construction Overhead	CON.305	0			0	
Real Time Operations Center					0	
FL/GL - Labor	CON.500	55,500			55,500	
FL/GL - Supervision	CON.505	20,500			20,500	
Survey	CON.515	2,000			2,000	
SWD/Other - Labor	CON.600	255,000			255,000	
SWD/OTHER - SUPERVISION	CON.605	0			0	
Contingency	CON.220	173,000	PCOM.220	0	615,000	
Contingency	CON.221	49,000			49,000	
P&A Costs					0	
<b>Total Intangible Cost</b>		<b>1,040,000</b>		<b>345,000</b>	<b>10,671,000</b>	
Drive Pipe					0	
Conductor Pipe					0	
Water String					16,000	
Surface Casing					59,000	
Intermediate Casing 1					286,000	
Intermediate Casing 2					0	
Drilling Liner					0	
Production Casing or Liner					149,000	
Production Tie-Back					0	
Tubing			PCOMT.105	0	81,000	
Wellhead, Tree, Chokes			PCOMT.120	0	105,000	
Liner Hanger, Isolation Packer					90,000	
Packer, Nipples			PCOMT.400	0	28,000	
Pumping Unit, Engine			PCOMT.405	0	0	
Downhole Lift Equipment			PCOMT.410	0	80,000	
Surface Equipment			PCOMT.420	0	0	
Well Automation Materials			PCOMT.455	0	0	
<b>Total Tangible - Well Equipment Cost</b>				<b>0</b>	<b>894,000</b>	
N/C Lease Equipment	CONT.400	250,500			250,500	
Tanks, Tanks Steps, Stairs	CONT.405	159,500			159,500	
Battery Equipment	CONT.410	359,000			359,000	
Secondary Containments	CONT.415	64,500			64,500	
Overhead Power Distribution	CONT.420	112,500			112,500	
Facility Electrical	CONT.425	124,500			124,500	
Telecommunication Equipment	CONT.426	0			0	
Meters and Metering Equipment	CONT.445	40,000			40,000	
Facility Line Pipe	CONT.450	41,500			41,500	
Lease Automation Materials	CONT.455	105,000			105,000	
FL/GL - Materials	CONT.550	11,000			11,000	
FL/GL - Line Pipe	CONT.555	5,500			5,500	
SWD/Other - Materials	CONT.650	127,000			127,000	
SWD/OTHER - LINE PIPE	CONT.655	0			0	
<b>Total Tangible - Lease Equipment Cost</b>		<b>1,400,500</b>			<b>1,400,500</b>	
<b>Total Estimated Cost</b>		<b>2,440,500</b>		<b>345,000</b>	<b>12,965,500</b>	

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

APPLICATION OF CIMAREX  
ENERGY CO. FOR COMPULSORY  
POOLING, EDDY COUNTY,  
NEW MEXICO

CASE NO. 20559

AFFIDAVIT OF HARRISON HASTINGS

STATE OF TEXAS                    )  
  ) ss.  
COUNTY OF MIDLAND            )

Harrison Hastings, being duly sworn, deposes and states:

1. I am over the age of 18, I am a geologist for Cimarex Energy Co. ("Cimarex"), and have personal knowledge of the matters stated herein. I have been qualified by the Oil Conservation Division ("Division") as an expert petroleum geologist.

2. I conducted a geological study of the area that encompasses the horizontal spacing units that are the subject of Cimarex's applications in these cases and am familiar with the geological matters involved in this case.

3. As part of my study, I have prepared the following geological exhibits with respect to the horizontal spacing unit that are attached hereto:

- a. **Exhibit B.1** is a Structure Map on the top of the Wolfcamp. It identifies the proposed well location by a purple line. It also shows that the structure dips to the East and Northeast.
- b. **Exhibit B.2** is a Reference Map for the Stratigraphic Cross Section. It identifies a line of cross-section, running from A to A', as well as the cross-section well names.

Case Nos. 20559

**CIMAREX**  
EXHIBIT B



- c. **Exhibit B.3** is a Stratigraphic Cross Section hung on the top of the Wolfcamp Fm. The well logs on the cross-section give a representative sample of the Wolfcamp formation in the area. The target zone for the well is the Wolfcamp Y Sand, and that zone is consistent across the unit. The planned well-path for this well is indicated by a blue dashed line, and the letters 'LZ'.
  - d. **Exhibit B.4** is a Gross Interval Isopach Map of the Upper Wolfcamp (Top Wolfcamp to Wolfcamp A2.) It shows that the formation is relatively uniform across the proposed well unit. It also shows the location of cross-section A-A', and identifies the proposed well location by a red line.
4. Based upon my study as illustrated in these exhibits, knowledge of the geology in this area, and education and training, it is my expert opinion that:
- a. The horizontal spacing unit is justified from a geologic standpoint.
  - b. There are no structural impediments or faulting that will interfere with horizontal development.
  - c. Each quarter quarter section in the unit will contribute more or less equally to production.
5. The preferred well orientation in this area is either north to south or east to west. This is due to the fact that regional max horizontal stress orientation in this area runs approximately N45E.
6. The producing interval for each of these wells will be orthodox and will comply with the Division's set back requirements.

*[Signature page follows]*

HH

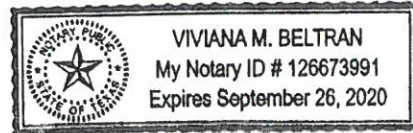
Harrison Hastings

SUBSCRIBED AND SWORN to before me this 12<sup>th</sup> day of June 2019 by Harry Hastings,  
on behalf of Cimarex Energy Co.

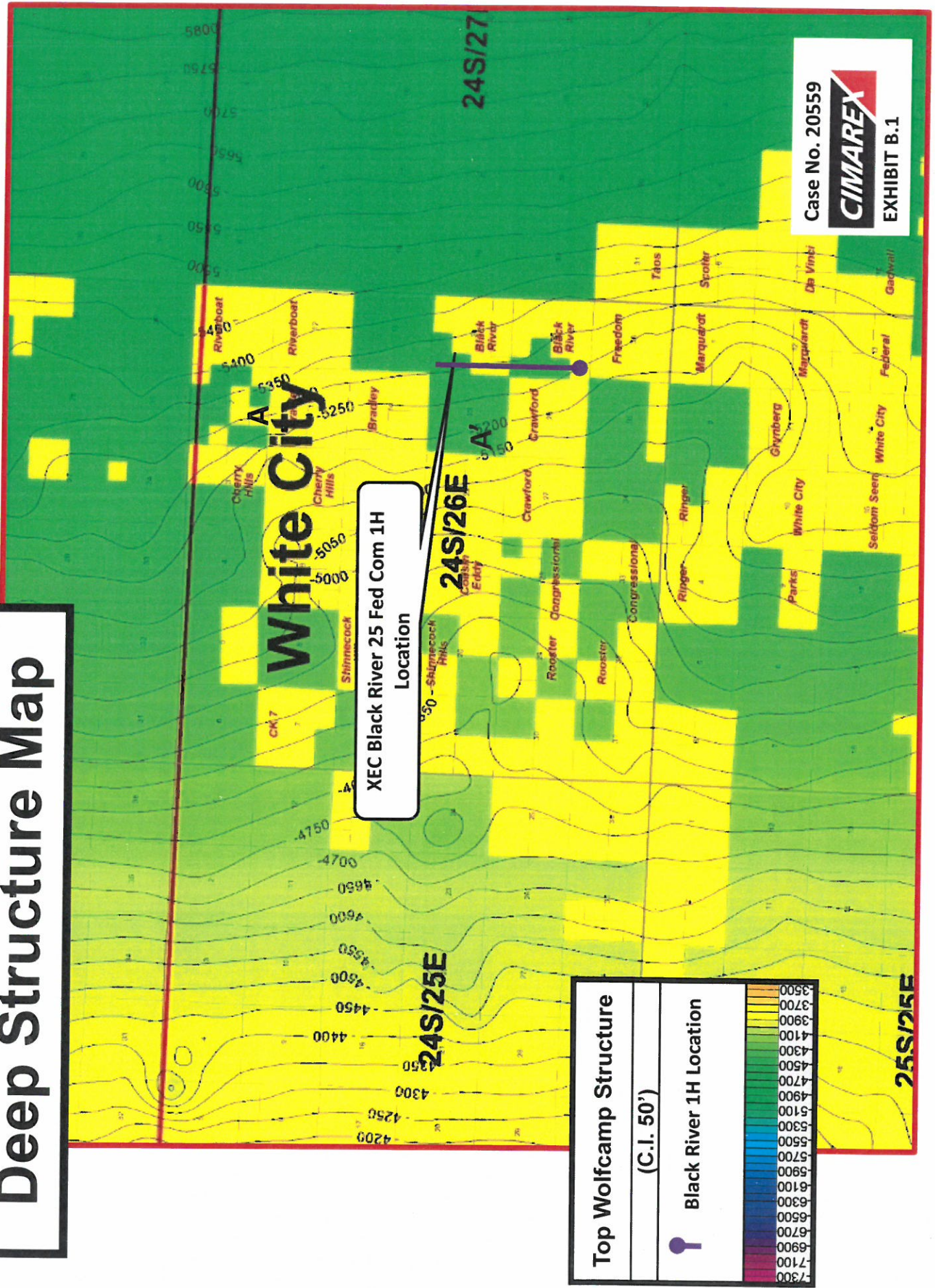
Viviana M. Beltran

Notary Public

My commission expires: 09/26/2020

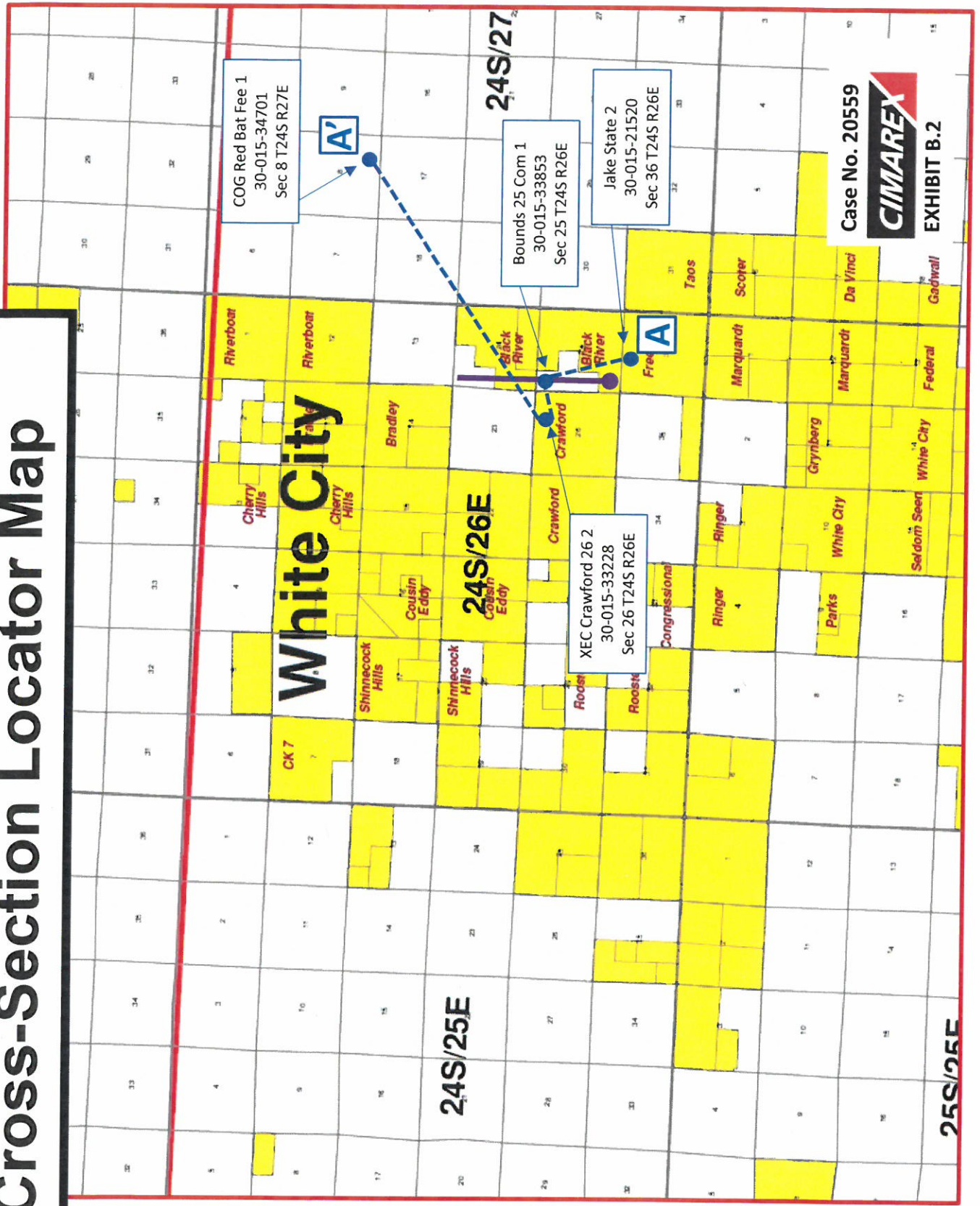


# Deep Structure Map





# Cross-Section Locator Map



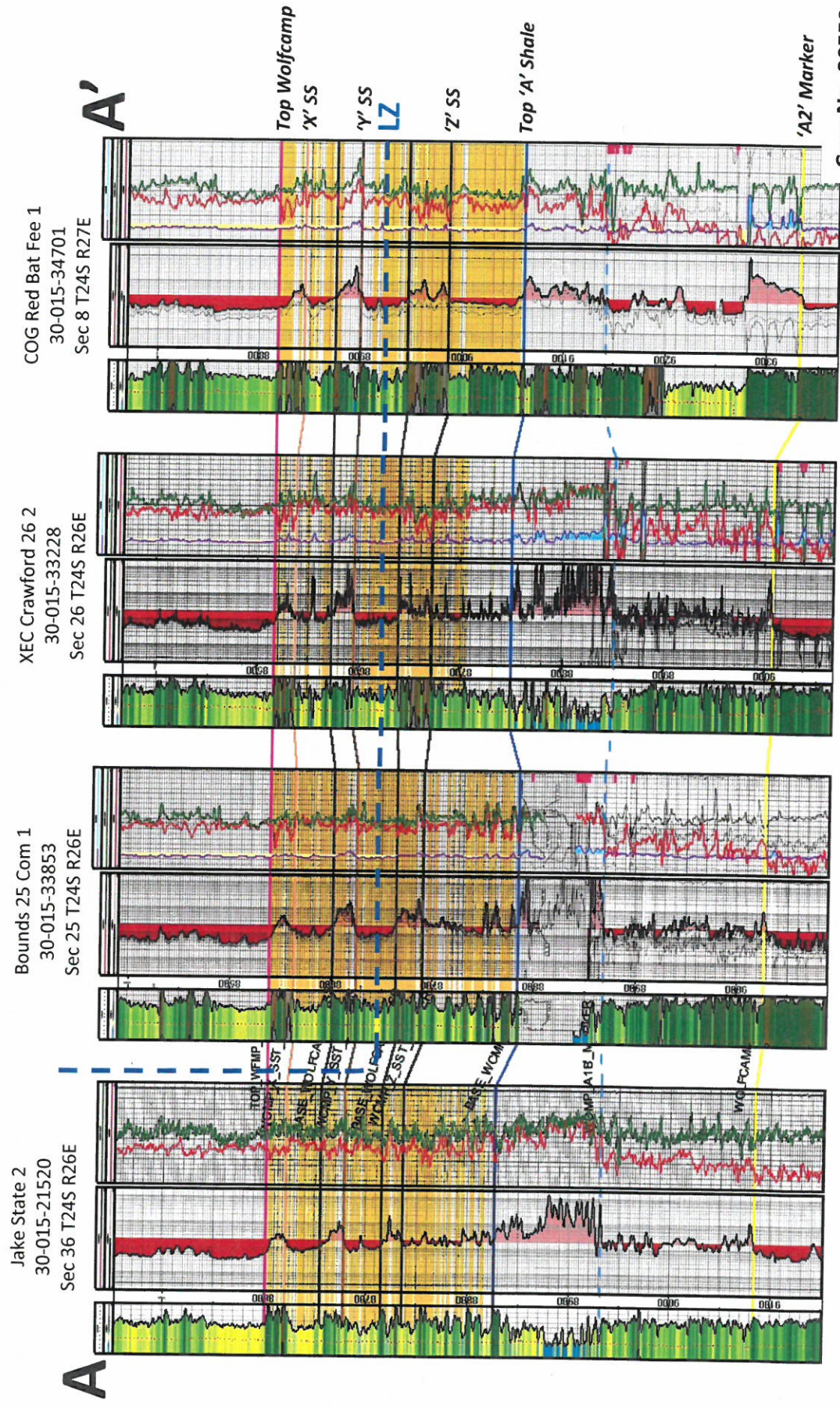
Case No. 20559

**CIMAREX**

EXHIBIT B.2



# Upper WCMP S-N Cross-Section A-A'



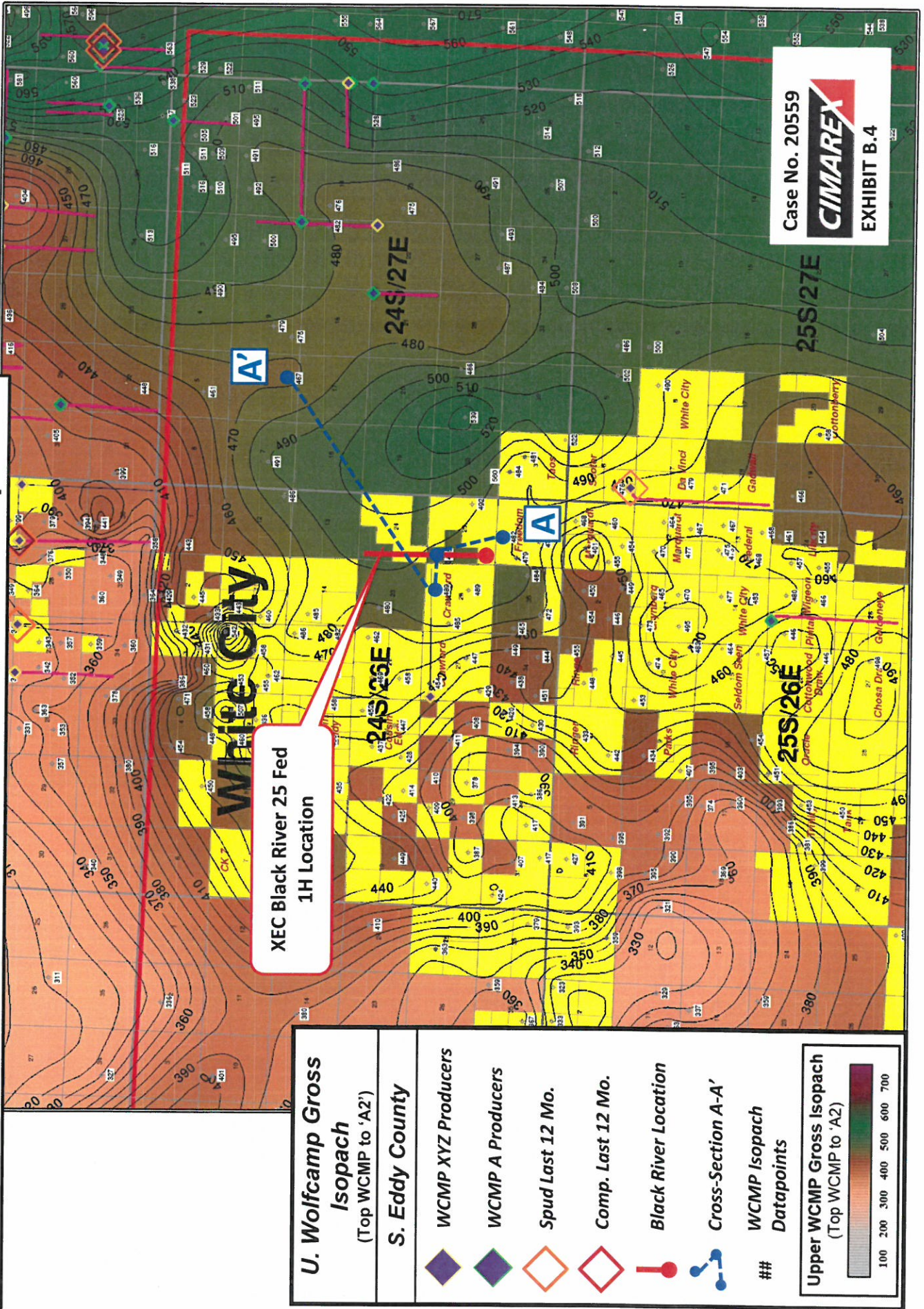
Case No. 20559



EXHIBIT B.3



# Upper Wolfcamp Gross Isopach Map





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

**APPLICATION OF CIMAREX  
ENERGY CO. FOR COMPULSORY  
POOLING, EDDY COUNTY,  
NEW MEXICO**

**CASE NO. 20559**

**AFFIDAVIT**

STATE OF NEW MEXICO            )  
  )ss.  
COUNTY OF BERNALILLO        )

Earl E. DeBrine, Jr., attorney in fact and authorized representative of Cimarex Energy Co., the Applicant herein, being first duly sworn, upon oath, states that the above-referenced Applications were provided under the notice letters and that proof of receipts are attached hereto. Cimarex Energy Co. has conducted a good faith, diligent effort to find the names and correct addresses for the interest owners entitled to receive notice of the application filed herein.

  
\_\_\_\_\_  
Earl E. DeBrine, Jr.

SUBSCRIBED AND SWORN to before me this 12<sup>th</sup> day of June 2019 by Earl E. DeBrine, Jr.

SEAL

  
\_\_\_\_\_  
Kathleen Tallen  
Notary Public

My commission expires: 07-22-2022



Black River 25  
Cimona

Zina Crum  
Modrall Sperling  
500 4th Street NW  
Suite 1000  
Albuquerque NM 87102

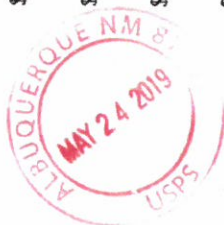
PS Form 3877

Type of Mailing: CERTIFIED MAIL  
05/24/2019



Firm Mailing Book ID: 167875

Line	USPS Article Number	Name, Street, City, State, Zip	Postage	Service Fee	RR Fee	Rest.Del.Fee	Reference Contents
1	9314 8699 0430 0059 5463 00	U.S. Bureau of Land Management 1474 Rodeo Rd. Santa Fe NM 87505	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
2	9314 8699 0430 0059 5463 17	Foundation Minerals, LLC P.O. Box 50820 Midland TX 79710	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
3	9314 8699 0430 0059 5463 24	Mavros Minerals, LLC P.O. Box 50820 Midland TX 79710	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
4	9314 8699 0430 0059 5463 31	Oak Valley Mineral and Land, LP P.O. Box 50820 Midland TX 79710	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
5	9314 8699 0430 0059 5463 48	Black River Center for Learning, Inc 1159 Black River Village Road Carlsbad NM 88220	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
6	9314 8699 0430 0059 5463 55	Susan Lorraine Smith Patterson Trust P.O. Box 311836 New Braunfels TX 78131	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
7	9314 8699 0430 0059 5463 62	Thomas E. Moore, SSP 403 N. Maricfield Midland TX 79701	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
8	9314 8699 0430 0059 5463 79	Wayne and Jo Ann Moore Charitable Foundation 403 N. Maricfield Midland TX 79701	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
9	9314 8699 0430 0059 5463 86	MRC Permian Company- One Lincoln Centre 5400 LBJ Freeway, Suite 1500 Dallas TX 75240	\$1.15	\$3.50	\$1.60	\$0.00	82762-0181 Notice
<b>Totals:</b>			<b>\$10.35</b>	<b>\$31.50</b>	<b>\$14.40</b>	<b>\$0.00</b>	
			<b>Grand Total:</b>		<b>\$56.25</b>		



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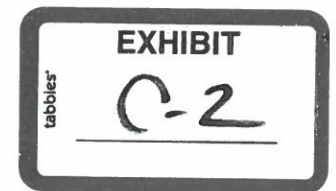
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9



Transaction Report Details - CertifiedPro.net  
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USPS Article Number	Date Created	Name 1	Address	City	State	Zip	Mailing Status	Service Options	Mail Delivery Date
9314869904300059546386	2019-05-24 10:05 AM	MRC Permian Company- One Lincoln Centre	5400 LBJ Freeway, Suite 1500	Dallas	TX	75240	Delivered	Return Receipt - Electronic, Certified Mail	06-03-2019
9314869904300059546379	2019-05-24 10:05 AM	Wayne and Jo Ann Moore Charitable Foundation	403 N. Marientfeld	Midland	TX	79701	Undelivered	Return Receipt - Electronic, Certified Mail	
9314869904300059546362	2019-05-24 10:05 AM	Thomas E. Moore, SSP	403 N. Marientfeld	Midland	TX	79701	Undelivered	Return Receipt - Electronic, Certified Mail	
9314869904300059546355	2019-05-24 10:05 AM	Susan Lorraine Smith Patterson Trust	P.O. Box 311836	New Braunfels	TX	78131	Mailed	Return Receipt - Electronic, Certified Mail	
9314869904300059546348	2019-05-24 10:05 AM	Black River Center for Learning, Inc	1159 Black River Village Road	Carlsbad	NM	88220	Delivered	Return Receipt - Electronic, Certified Mail	05-28-2019
9314869904300059546331	2019-05-24 10:05 AM	Oak Valley Mineral and Land, LP	P.O. Box 50820	Midland	TX	79710	Delivered	Return Receipt - Electronic, Certified Mail	05-28-2019
9314869904300059546324	2019-05-24 10:05 AM	Mavros Minerals, LLC	P.O. Box 50820	Midland	TX	79710	Delivered	Return Receipt - Electronic, Certified Mail	05-28-2019
9314869904300059546317	2019-05-24 10:05 AM	Foundation Minerals, LLC	P.O. Box 50820	Midland	TX	79710	Delivered	Return Receipt - Electronic, Certified Mail	05-28-2019
9314869904300059546300	2019-05-24 10:05 AM	U.S. Bureau of Land Management	1474 Rodeo Rd.	Santa Fe	NM	87505	To be Mailed	Return Receipt - Electronic, Certified Mail	



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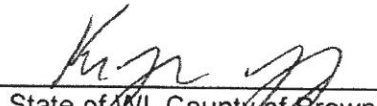
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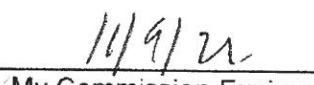
I, a legal clerk of the **Carlsbad Current-Argus**, a newspaper published daily at the City of Carlsbad, in said county of Eddy, state of New Mexico and of general paid circulation in said county; that the same is a duly qualified newspaper under the laws of the State wherein legal notices and advertisements may be published; that the printed notice attached hereto was published in the regular and entire edition of said newspaper and not in supplement thereof on the date as follows, to wit:

05/28/19

  
Legal Clerk

Subscribed and sworn before me this  
28th of May 2019.

  
State of WI, County of Brown  
NOTARY PUBLIC

  
My Commission Expires

CASE NO. 20559: Notice to all affected parties, as well as the heirs and devisees of, BUREAU OF LAND MANAGEMENT, FOUNDATION MINERALS, LLC, MAVROS MINERALS, LLC, OAK VALLEY MINERAL LAND, LP, BLACK RIVER CENTER FOR LEARNING, INC, BROKEN ARROW ROYALTIES, LLC, SUSAN LORRAINE SMITH PATTERSON TRUST, THOMAS E. MOORE, SSP, WAYNE AND JO ANN MOORE CHARITABLE FOUNDATION, MRC PERMIAN COMPANY, MRC PERMIAN DEVELOPMENT CORPORATION, WPX ENERGY PERMIAN, LLC, of Cimarex Energy Co.'s application for approval of compulsory pooling, Eddy County, New Mexico. The State of New Mexico, through its Oil Conservation Division, hereby gives notice that the Division will conduct a public hearing at 8:15 a.m. on June 13, 2019. Applicant seeks an order from the Division: (1) to the extent necessary, approving the creation of a 640-acre, more or less, Wolfcamp horizontal spacing unit; and, (2) pooling all uncommitted mineral interests within a Wolfcamp horizontal spacing unit underlying the W/2 of Section 24 and W/2 of Section 25, Township 24 South, Range 26 East, NMPM, Eddy County, New Mexico. This spacing unit will be dedicated to the **Black River 25 Federal Com 1H** well, to be horizontally drilled. The producing area for this well will be orthodox. Also to be considered will be the cost of drilling and completing said well, the allocation of these costs as well as the actual operating costs and charges for supervision, designation of Cimarex as operator of the well, and a 200% charge for risk involved in drilling said well. Said area is located approximately 15 miles South of Carlsbad, New Mexico.



Ad#: 0001287046  
P O : 20559  
# of Affidavits : 0.00

