

**CIMAREX ENERGY CO.'S EXHIBIT LIST**

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

**Case Nos. 22519 and 22520**

**APPLICATIONS OF CHEVRON U.S.A. INC. FOR  
COMPULSORY POOLING, EDDY COUNTY, NEW  
MEXICO.**

**Case Nos. 22343 and 22344**

**EXHIBITS OF CIMAREX ENERGY CO.**

*(PART III)*

- A-1. Application and Proposed Notice (Case No. 22519)
- A-2. Application and Proposed Notice (Case No. 22520)
- B. Landman's Affidavit
- C. Geologist's Affidavit
- D. Engineers's Affidavit
- E-1. Affidavit of Publication (Case No, 22519)
- E-2. Affidavit of Publication (Case No, 22520)
- F-1: Certified Affidavit (Case No, 22519)
- F-2: Certified Affidavit (Case No, 22520)
- G-1. Pooling Checklist (Case No, 22519)
- G-2. Pooling Checklist (Case No, 22520)

SELF-AFFIRMED TESTIMONY OF MEERA RAMOUTAR

1. Please state your name and city of residence.

My name is Meera Ramoutar. I reside in Midland, Texas.

2. Who do you work for, and in what capacity?

I am a geologist for Cimarex Energy Co.

3. Have you previously testified before the Division?

Yes.

4. Were your credentials as an expert petroleum geologist accepted by the Division as a matter of record?

Yes.

5. What is page 9 of your exhibits?

This is a wine rack plat of our proposed White city Wolfcamp wells. We are proposing, across Sections 8, 17, and 20, 4 Upper Wolfcamp wells and 5 lower Wolfcamp wells.

6. Is Chevron proposing only Upper Wolfcamp wells?

Yes.

7. Why, in your opinion, is Cimarex's development plan better than Chevron's?

Cimarex's experience in the Wolfcamp shows that this results in better recovery than Chevron's plan. Chevron's plan will result in overdevelopment and lower recovery. The Wolfcamp formation is highly heterogeneous and thinly bedded making it an ideal candidate for horizontal drilling and staggering between different targeted intervals. Landing in only the Upper interval in our opinion strands resources in the Lower Wolfcamp.

8. What is page 10?

EXHIBIT



It is a cross section of the Wolfcamp. It is flattened on the top of the Wolfcamp and shows an accurate representation of the Wolfcamp in this area. The target zones for the wells are continuous and fairly uniformly thick across the well units.

9. What is page 11?

It is a structure map on the top of the Wolfcamp which is the target formation of the wells. It is gridded on a 20ft contour interval and it shows that structure is well behaved in this area dipping gently to the east. It also shows the line of the cross-section.

10. What is page 12?

It is a Wolfcamp Gross Isopach Map. It reflects that the Wolfcamp on average is ~350 ft. of total thickness across the 3 sections.

11. What do you conclude from the maps?

I conclude that:

- (a) The horizontal spacing units are justified from a geologic standpoint.
- (b) The target zones are continuous and of relatively uniform thickness across the well units.
- (c) Each quarter section in each well unit will contribute more or less equally to production from the target zones.
- (d) There is no faulting or other geologic impediment in the area which will affect the drilling of the subject wells.

12. What are pages 13-22?

These are Wall Plots for the proposed wells. They show the projected wellbore locations and distances. As our landman stated, the wellbores will be at orthodox locations.

13. If Chevron's applications are granted, Cimarex will have to drill 1 mile laterals on its acreage. Is this geologically favorable?

No As mentioned before due to the heterogeneous nature of the reservoir it is preferable to drill these as extended laterals. This guarantees less waste of the resource in place as well as it being the most economically favorable plan of development for the Wolfcamp formation.

14. Were pages 9-22 of this Exhibit prepared by you or under your supervision, or compiled from company business records?

Yes.

15. Is the granting of Cimarex's applications, and the denial of Chevron's applications, in the interests of conservation and the prevention of waste?

Yes.

I understand that this Self-Affirmed Statement will be used as written testimony in these cases. I affirm that my testimony in paragraphs 1 through \_\_\_ 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.

Date: 3/10/2022



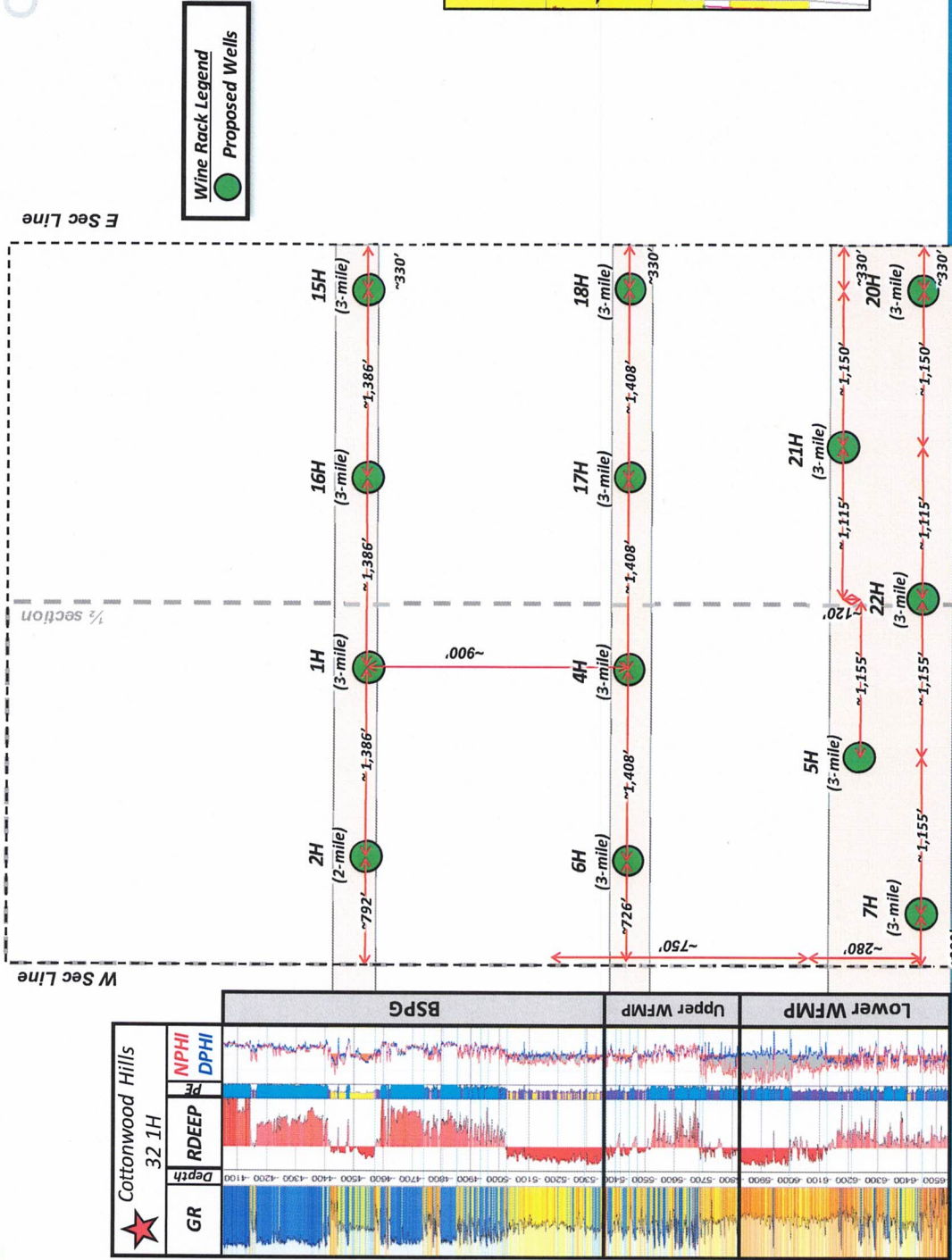
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Meera Ramoutar



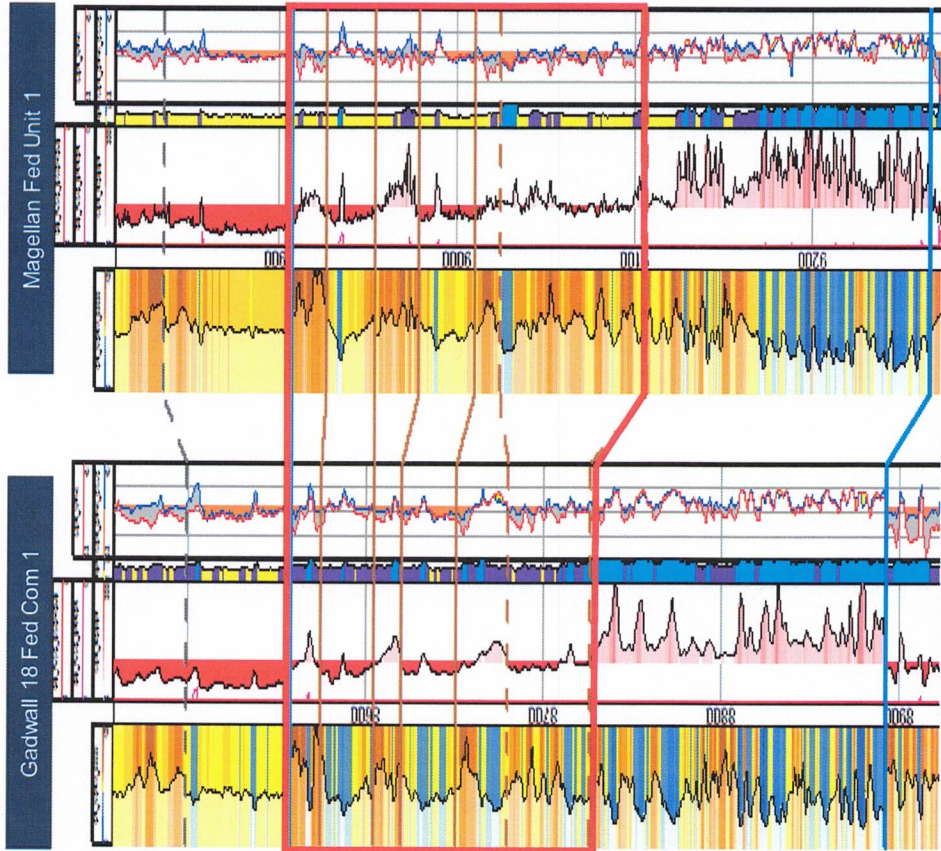
# White City Wolfcamp

# White City 8-17-20 Wine Rack



# White City Cross-Section

COTERRA



Upper Wolfcamp target area



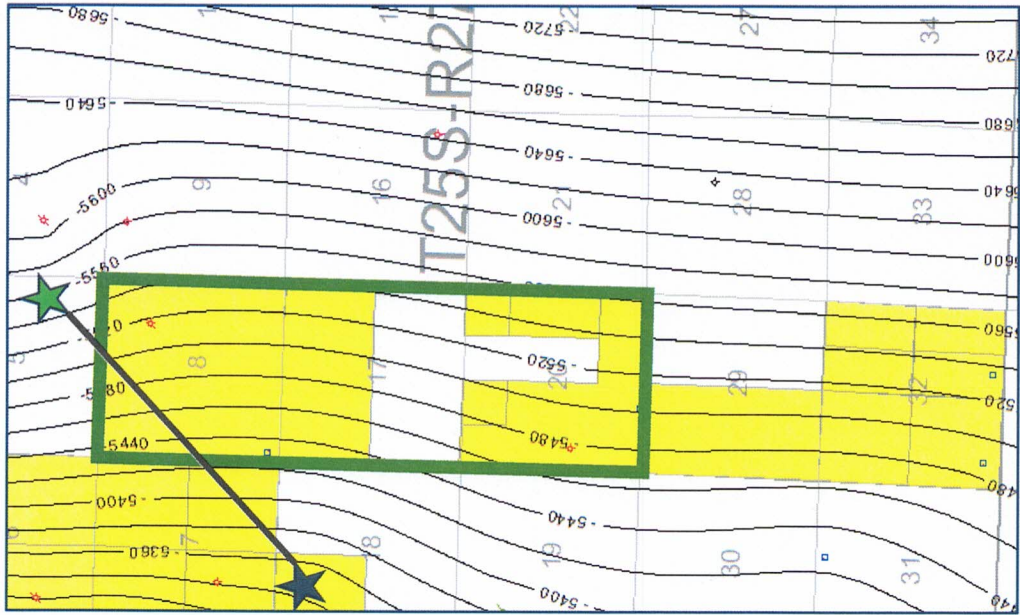
COTERRA

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# Wolfcamp Interval Top Structure Map

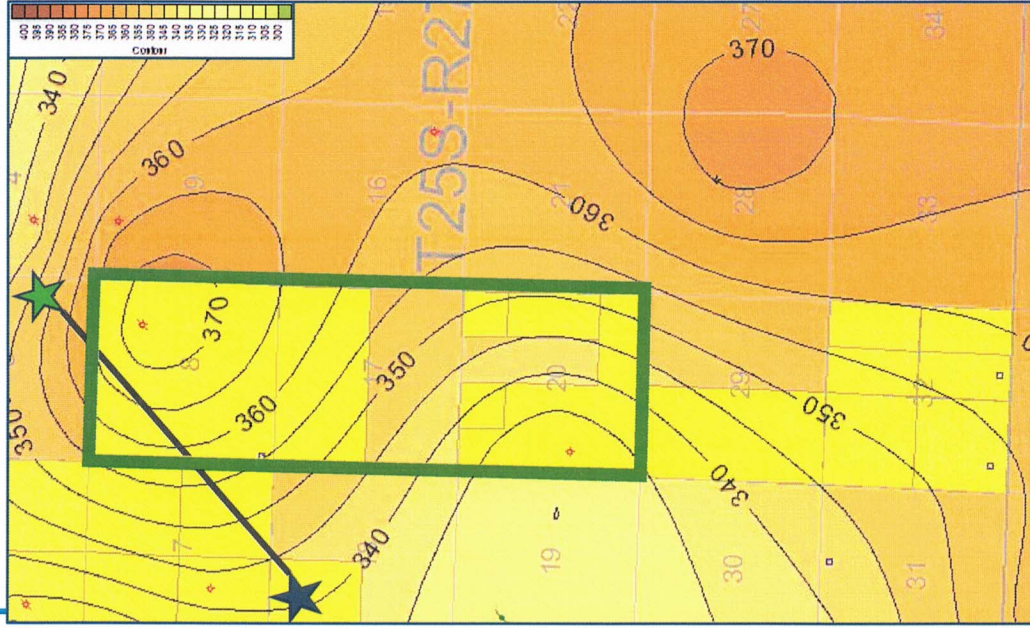
C.I. = 20'

SSTVD



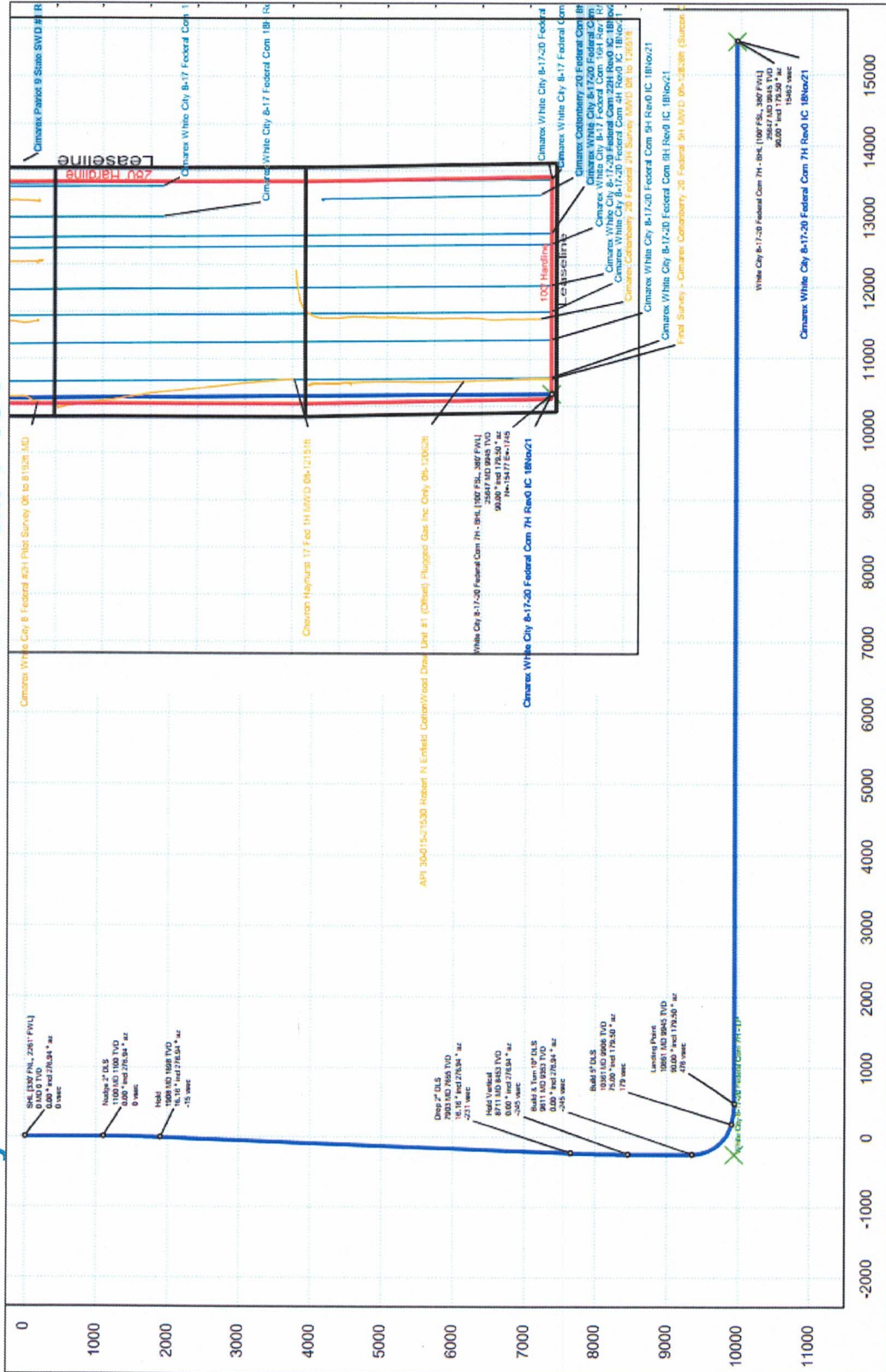
# Wolfcamp Interval Gross Isopach Map

C.I. = 5'



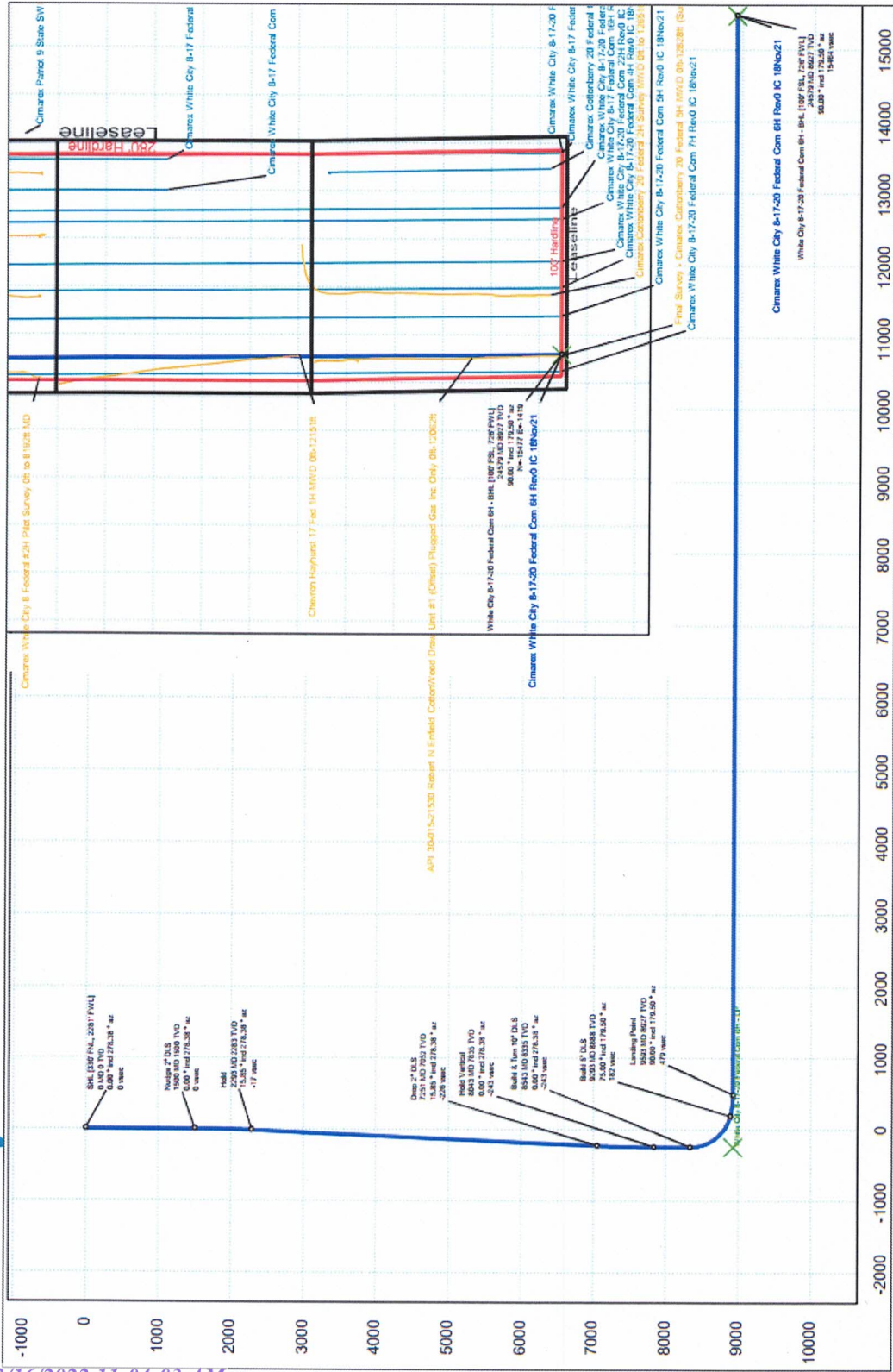
COTERRA

# White City 8-17-20 Fed Com 7H Wall Plot



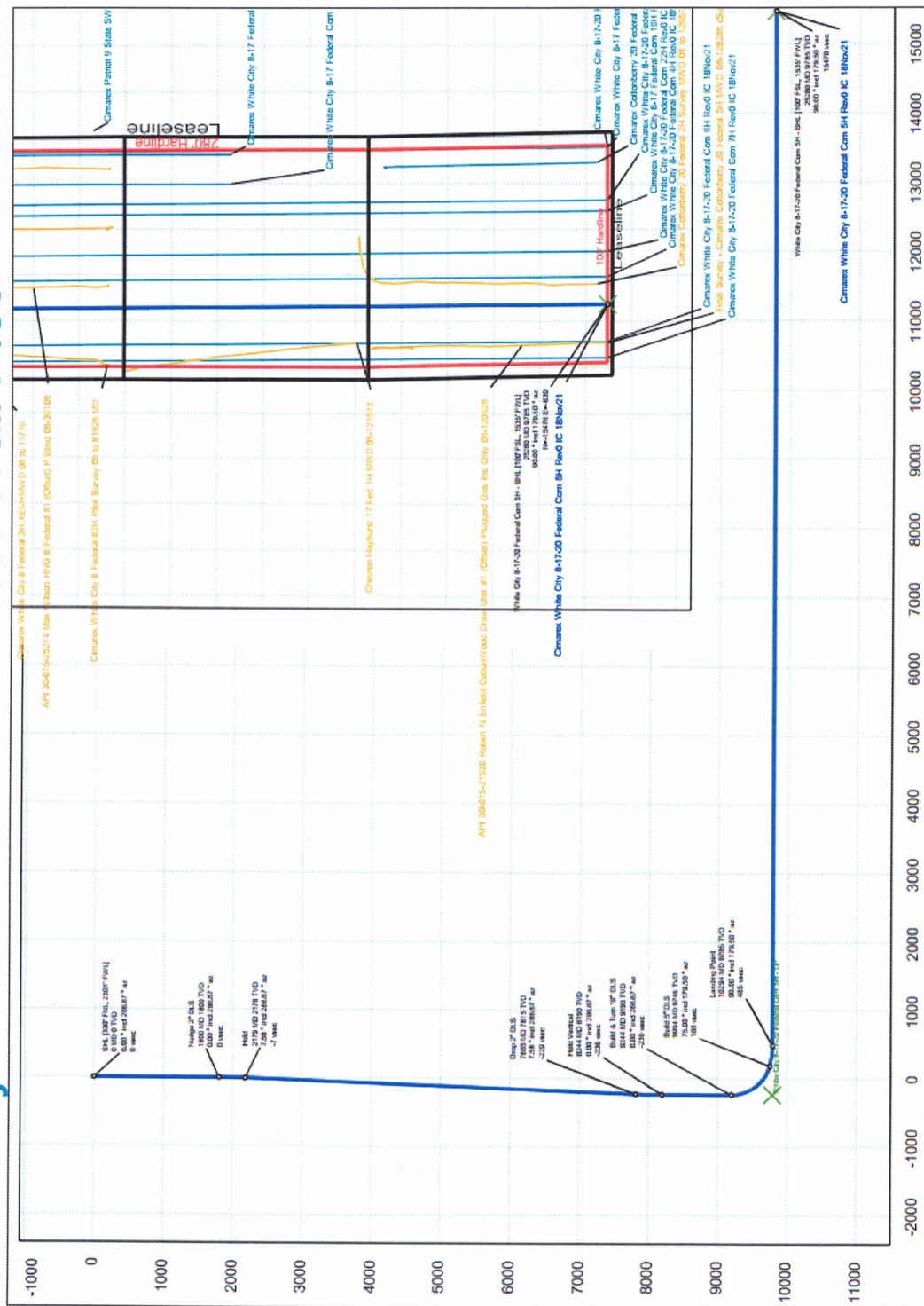
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# White City 8-17-20 Fed Com 6H Wall Plot



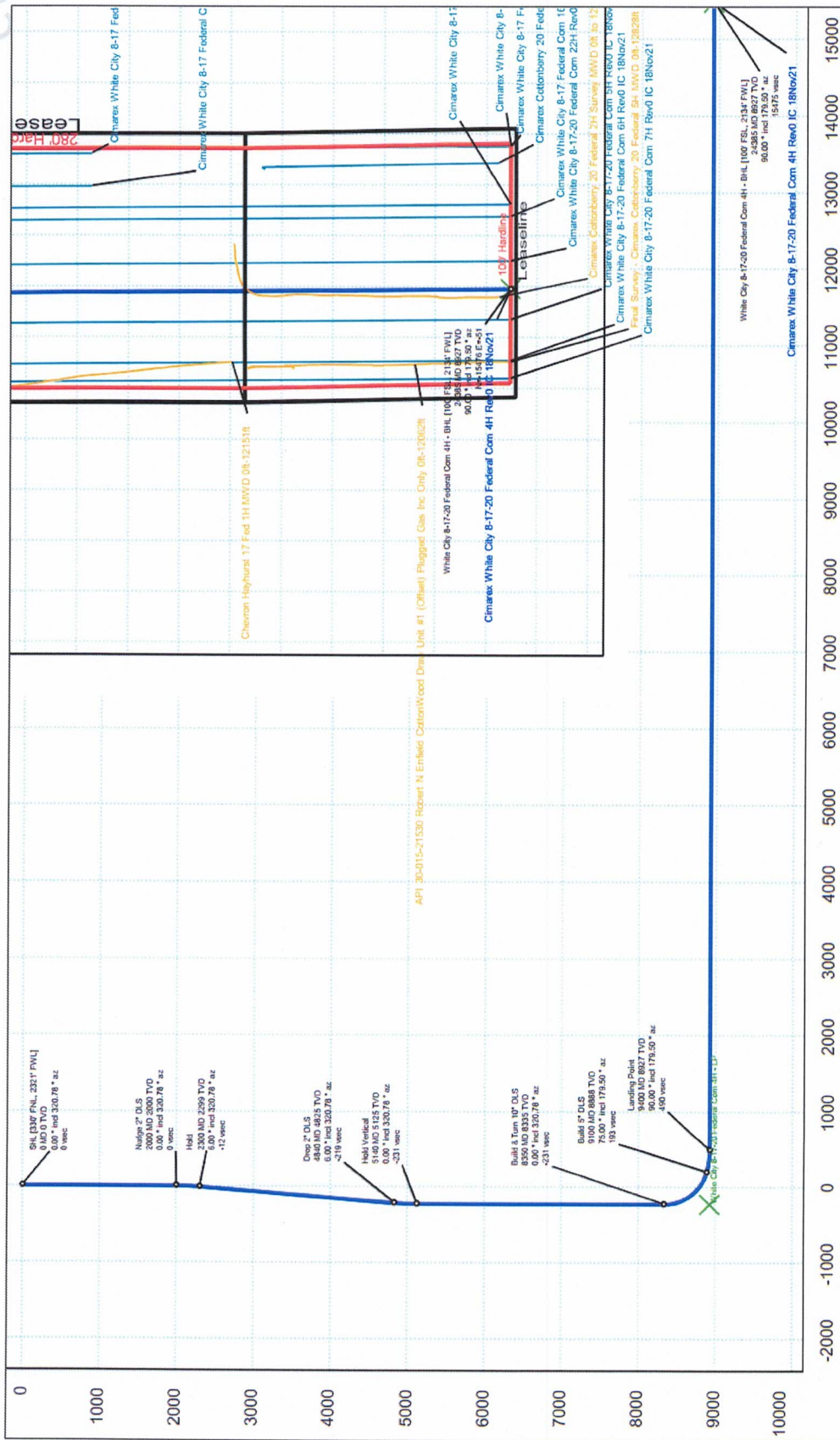
COTERRA

# White City 8-17-20 Fed Com 5H Wall Plot



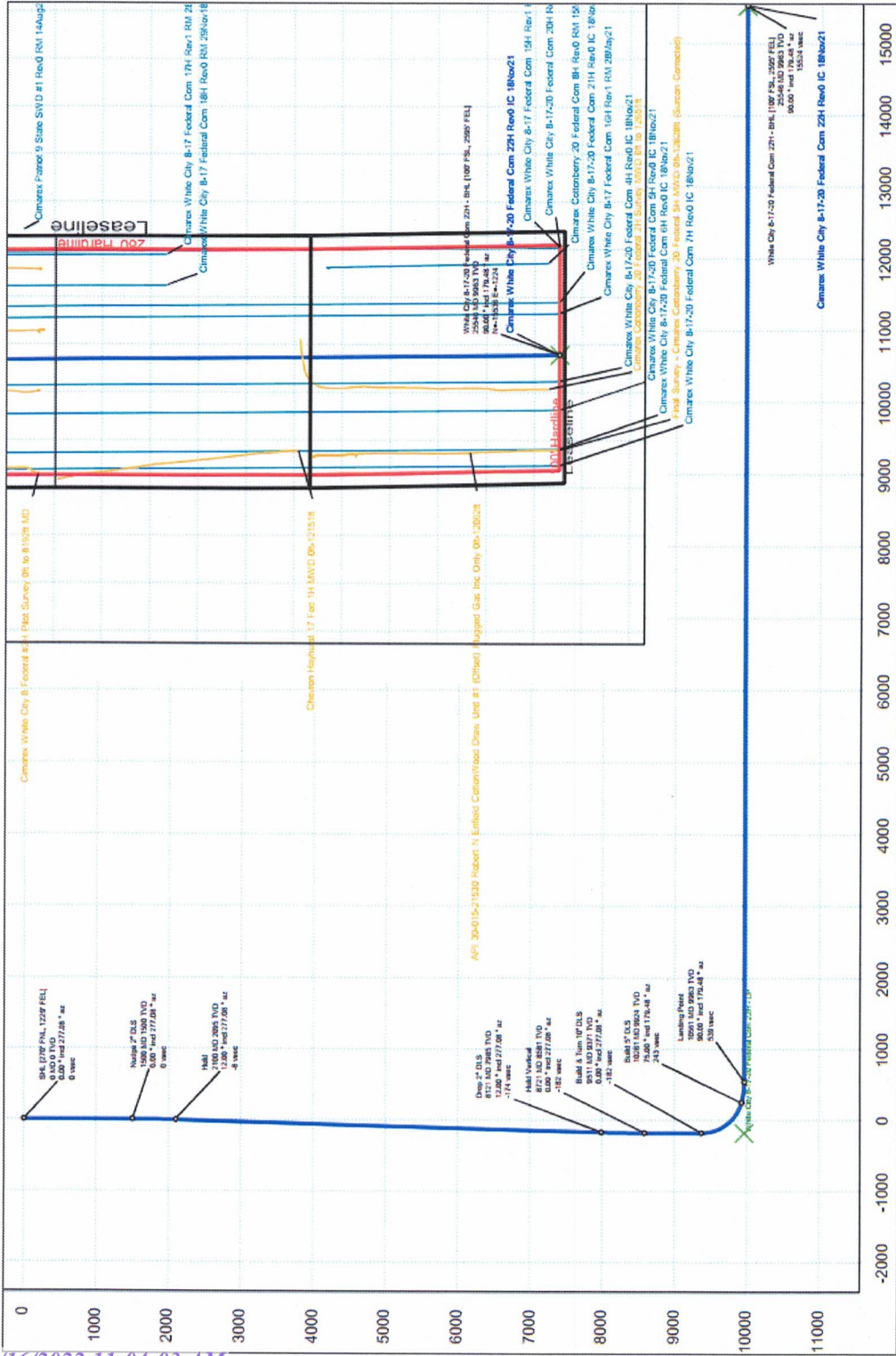
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# White City 8-17-20 Fed Com 4H Wall Plot



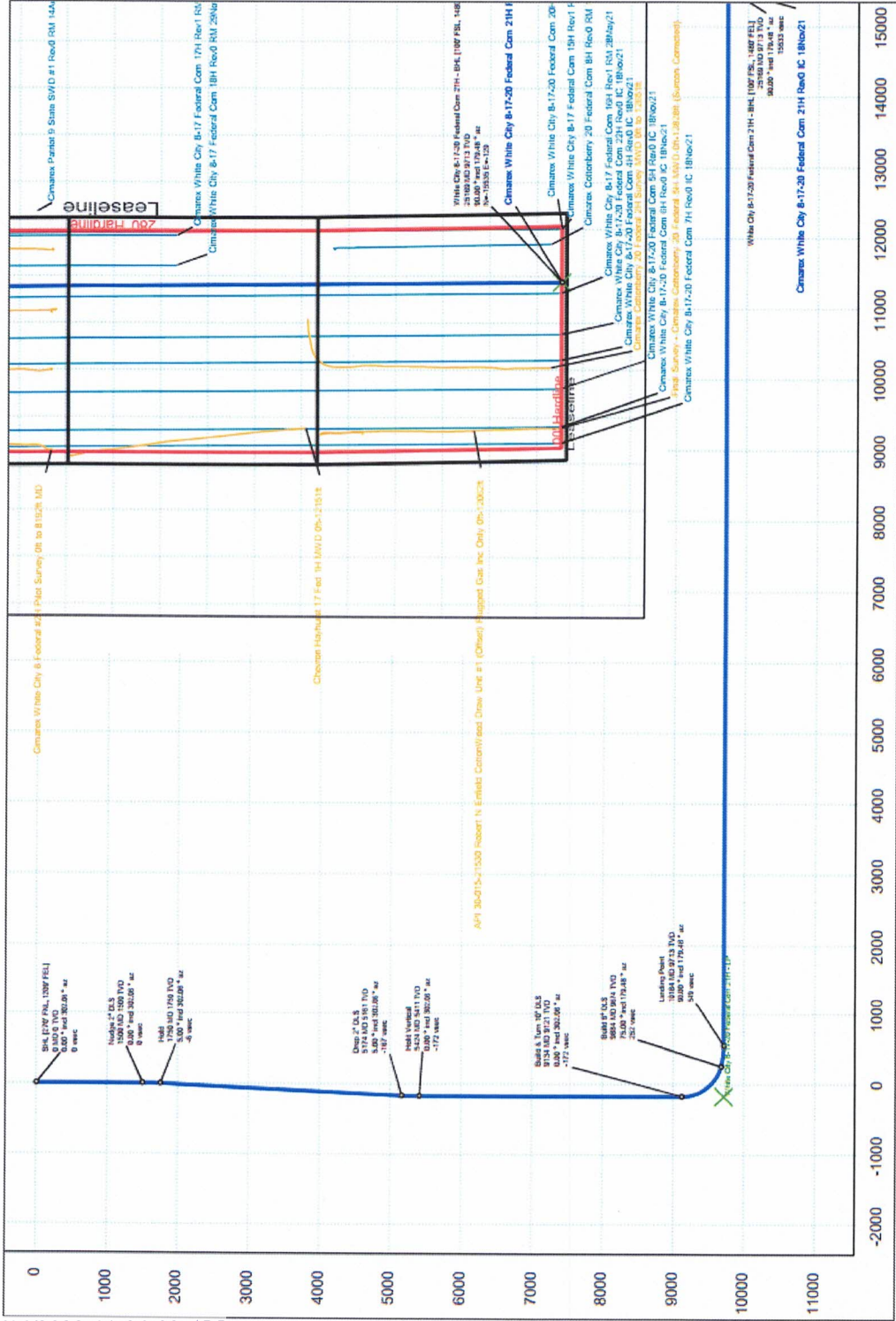
COTERRA

# White City 8-17-20 Fed Com 22H Wall Plot



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# White City 8-17-20 Fed Com 21H Wall Plot







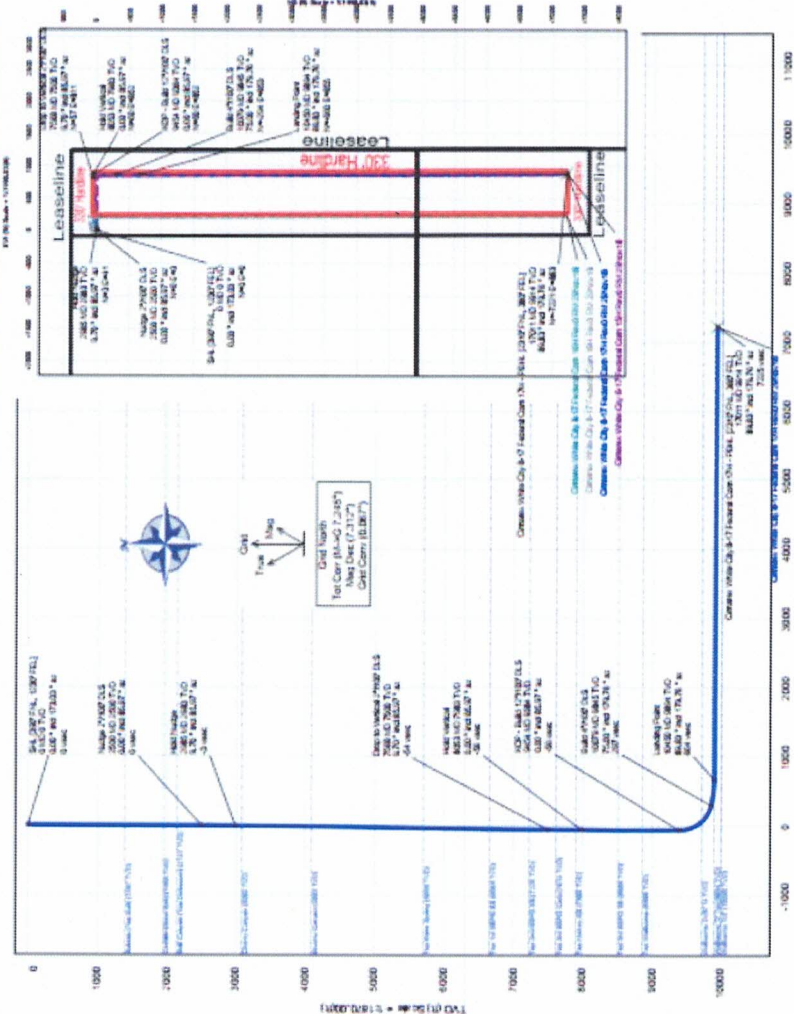
COTERRA

# White City 8-17 Fed Com 17H Wall Plot



Cimarex Energy Rev 0

<b>Blockhole</b>	<b>Well</b>	<b>Field</b>	<b>Structure</b>
White City 8-17 Federal Com #17H	White City 8-17 Federal Com #17H	NM Eddy County (NAD 83)	Cimarex White City 8-17 Federal Com 17H
<b>Company &amp; Marketing Parameters</b>	<b>Well Data</b>	<b>Well Data</b>	<b>Well Data</b>
Company: 0209 2019 Date: 08/20/21 Depth: 1727' Fid: 47963.5247'	Well: 081817 Date: 08/20/21 Depth: 1727' Fid: 47963.5247'	Field: 081817 Date: 08/20/21 Depth: 1727' Fid: 47963.5247'	Structure: 081817 Date: 08/20/21 Depth: 1727' Fid: 47963.5247'



# White City 8-17-20 Fed Com 18H Wall Plot

COTERRA



Cimarex Energy Rev 0



<b>PROJECT:</b> White City 8-17 Federal Com #18H		<b>FIELD:</b> NMI Eddy County (MAD 83)		<b>ACQUISITION:</b> Coterra White City 8-17 Federal Com 18H	
<b>Geographic Parameters:</b> UTM Zone: 18Q UTM Easting: 1125000 UTM Northing: 4750000 UTM Scale: 0.99999833 UTM False Easting: 500000		<b>Survey Location:</b> NMI Eddy County (MAD 83) Section: 18 Township: 20N Range: 20E		<b>Survey Dates:</b> Start Date: 03/16/2022 End Date: 03/16/2022 Survey Time: 08:00:00 AM Survey Duration: 00:00:00	

