

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

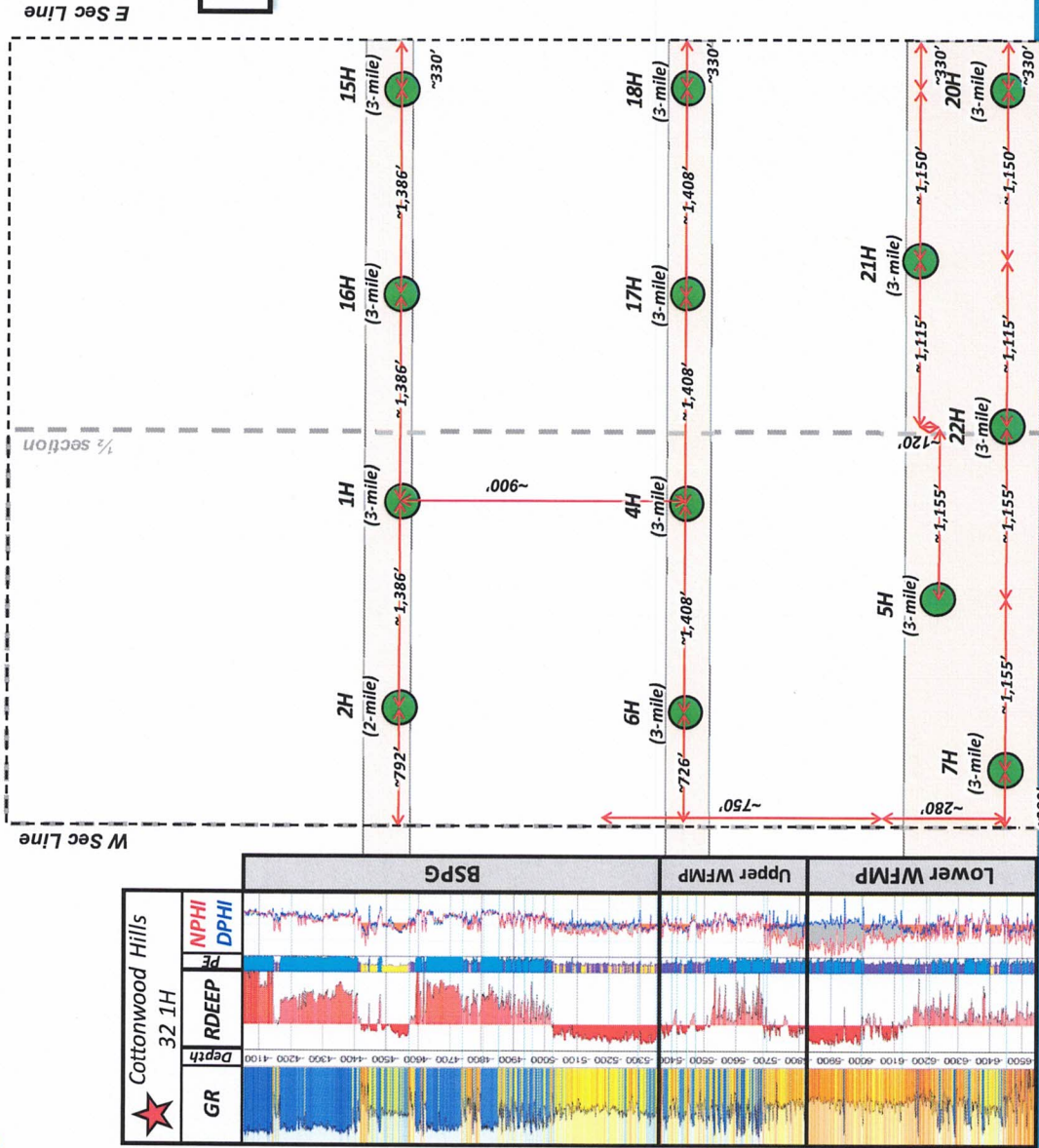


Meera Ramoutar



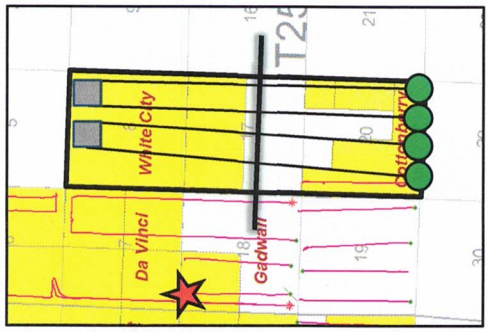
White City Wolfcamp

White City 8-17-20 Wine Rack



| Cottonwood Hills 32 1H | GR | Depth | RDEEP | PE | BSPG | | Upper WFMP | | Lower WFMP | |
|---------------------------|----|-------|-------|----|------|------|------------|------|------------|------|
| | | | | | NPHI | DPHI | NPHI | DPHI | NPHI | DPHI |
| | | 6500 | | | | | | | | |
| | | 6400 | | | | | | | | |
| | | 6300 | | | | | | | | |
| | | 6200 | | | | | | | | |
| | | 6100 | | | | | | | | |
| | | 6000 | | | | | | | | |
| | | 5900 | | | | | | | | |
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| | | 5100 | | | | | | | | |
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| | | 4900 | | | | | | | | |
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| | | 4600 | | | | | | | | |
| | | 4500 | | | | | | | | |
| | | 4400 | | | | | | | | |
| | | 4300 | | | | | | | | |
| | | 4200 | | | | | | | | |
| | | 4100 | | | | | | | | |

Wine Rack Legend
 Proposed Wells



E Sec Line

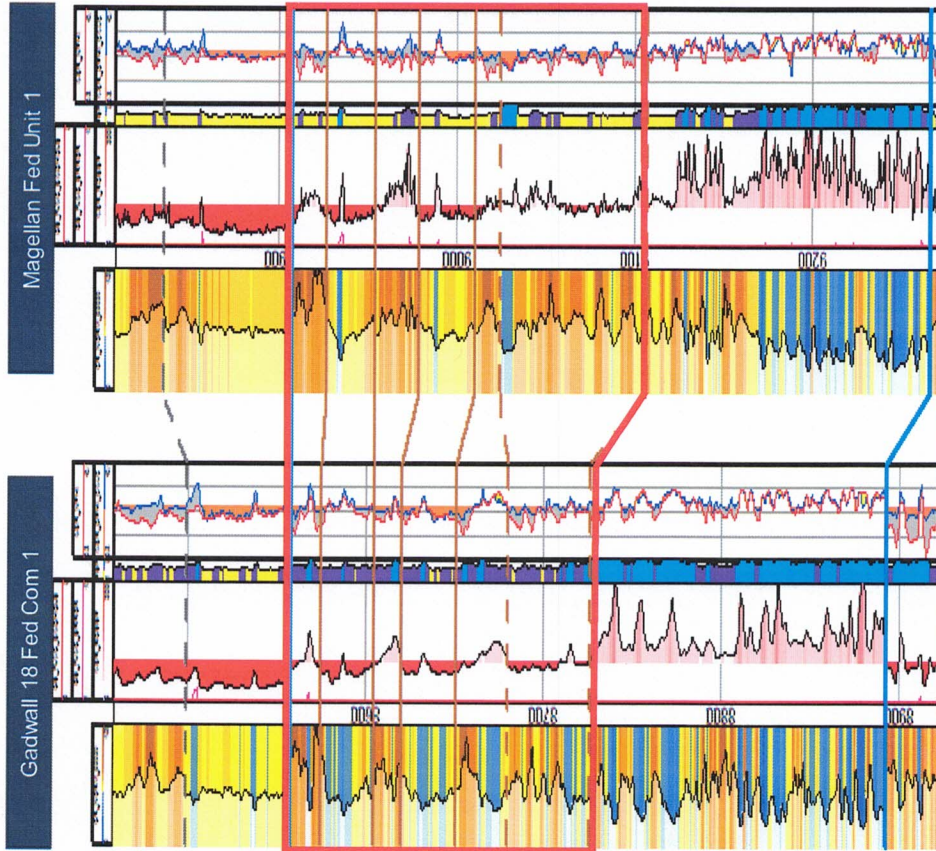
1/2 section

W Sec Line

COTERRA

White City Cross-Section

COTERRA



Upper Wolfcamp target area

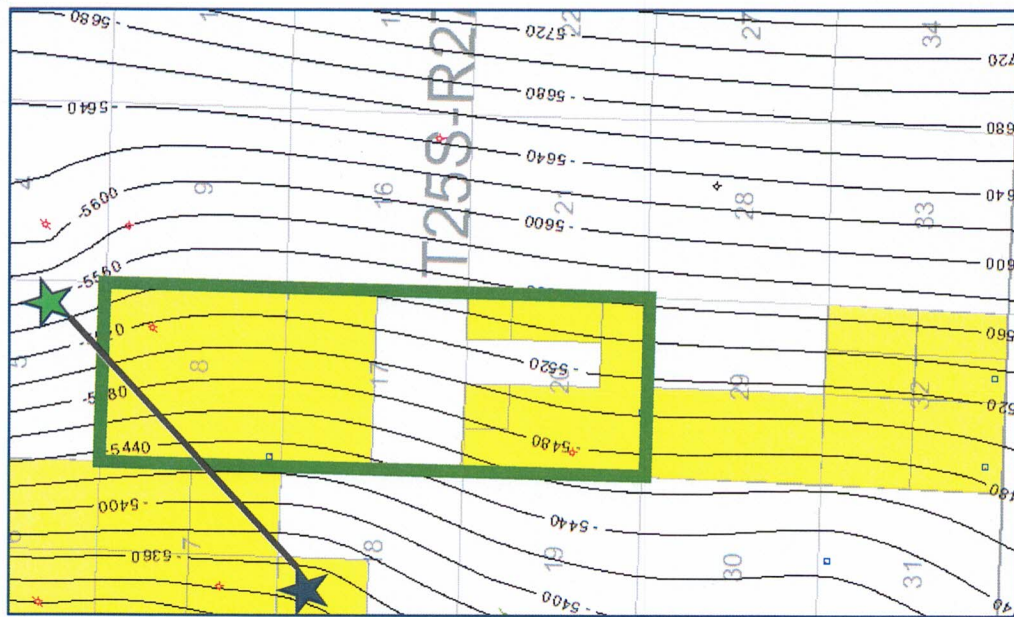
COTERRA

14

Wolfcamp Interval Top Structure Map

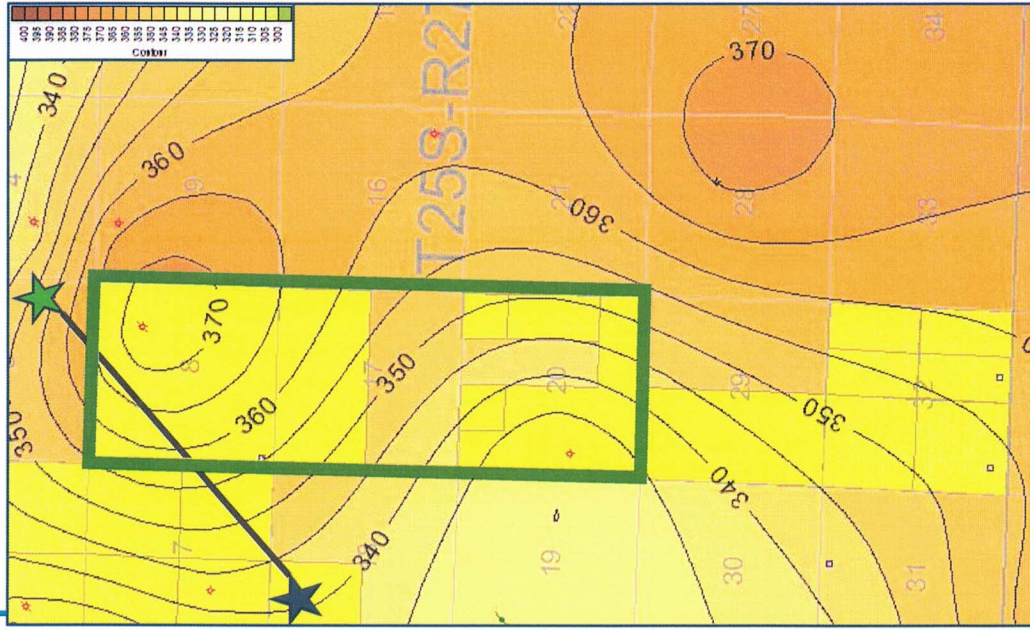
C.I. = 20'

SSTVD



Wolfcamp Interval Gross Isopach Map

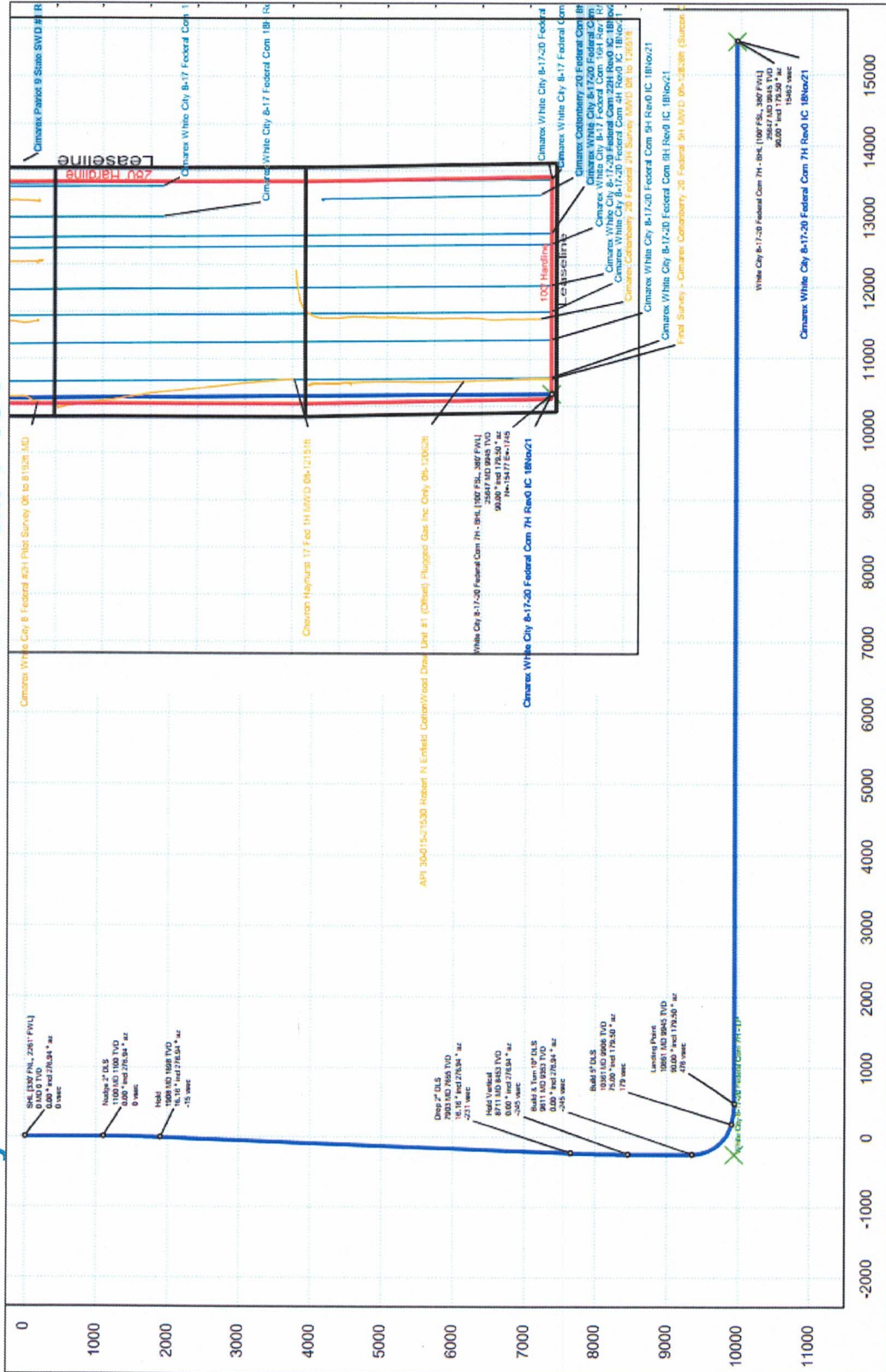
C.I. = 5'



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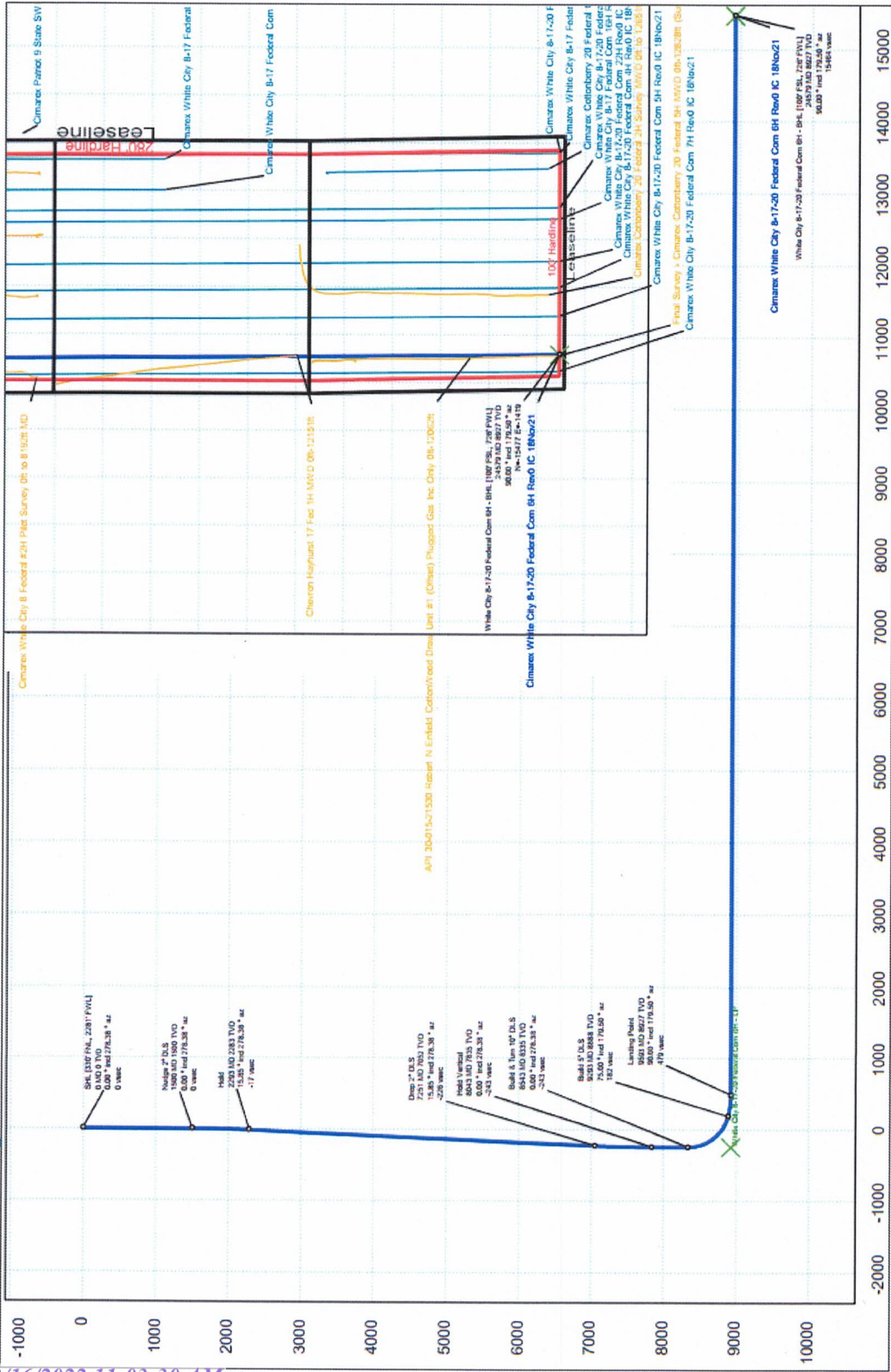
COTERRA

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



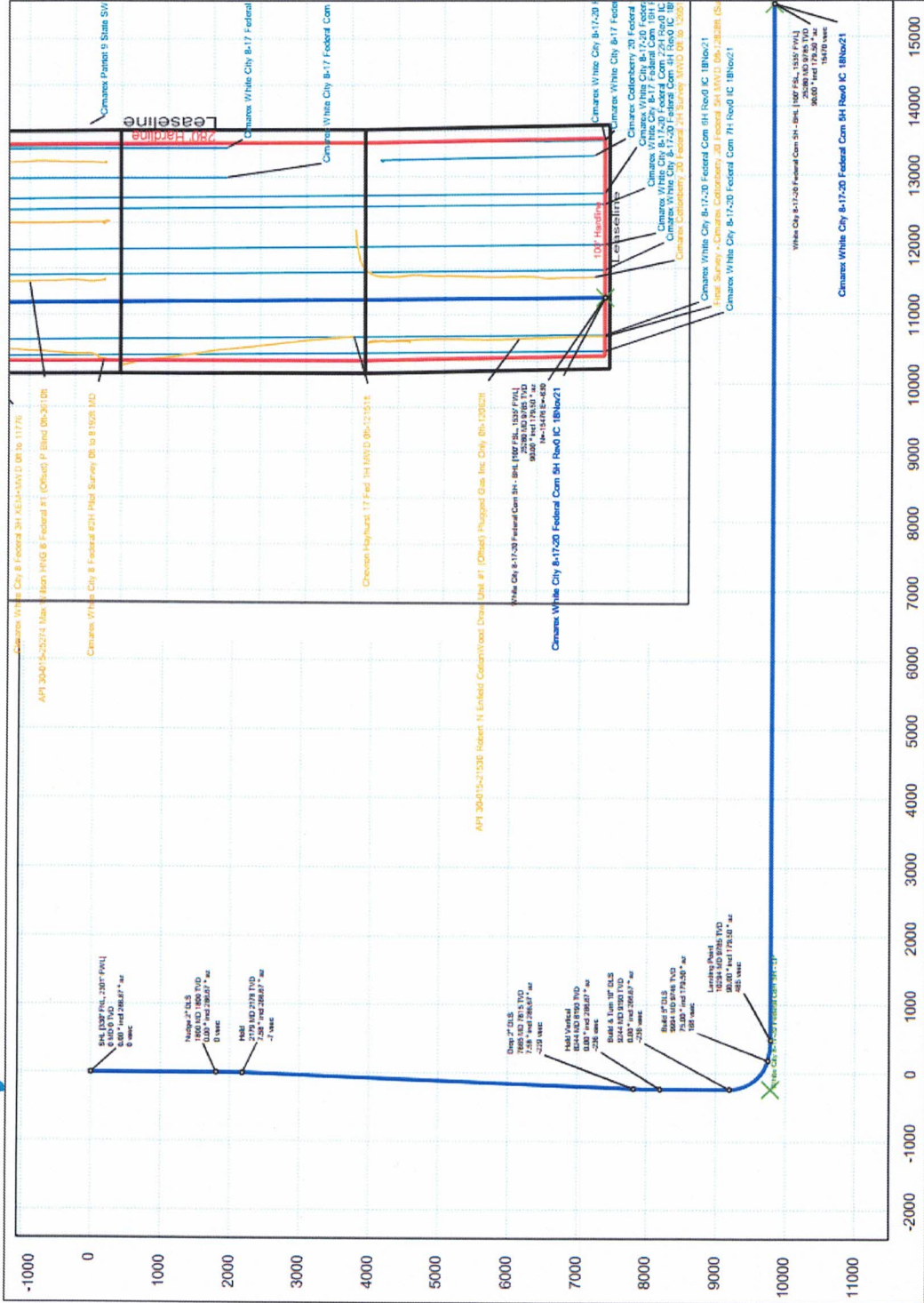
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White City 8-17-20 Fed Com 6H Wall Plot



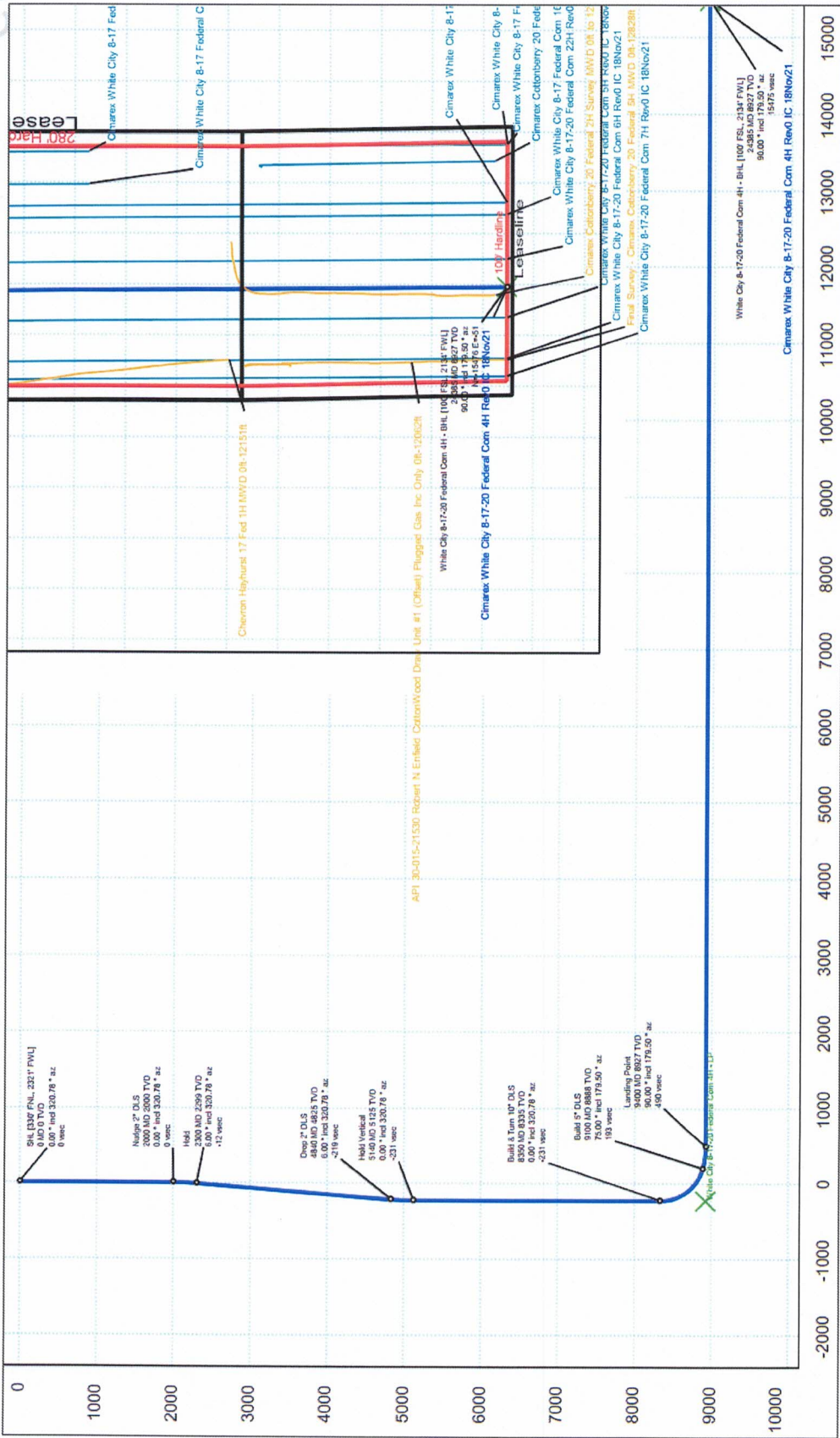
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White City 8-17-20 Fed Com 5H Wall Plot



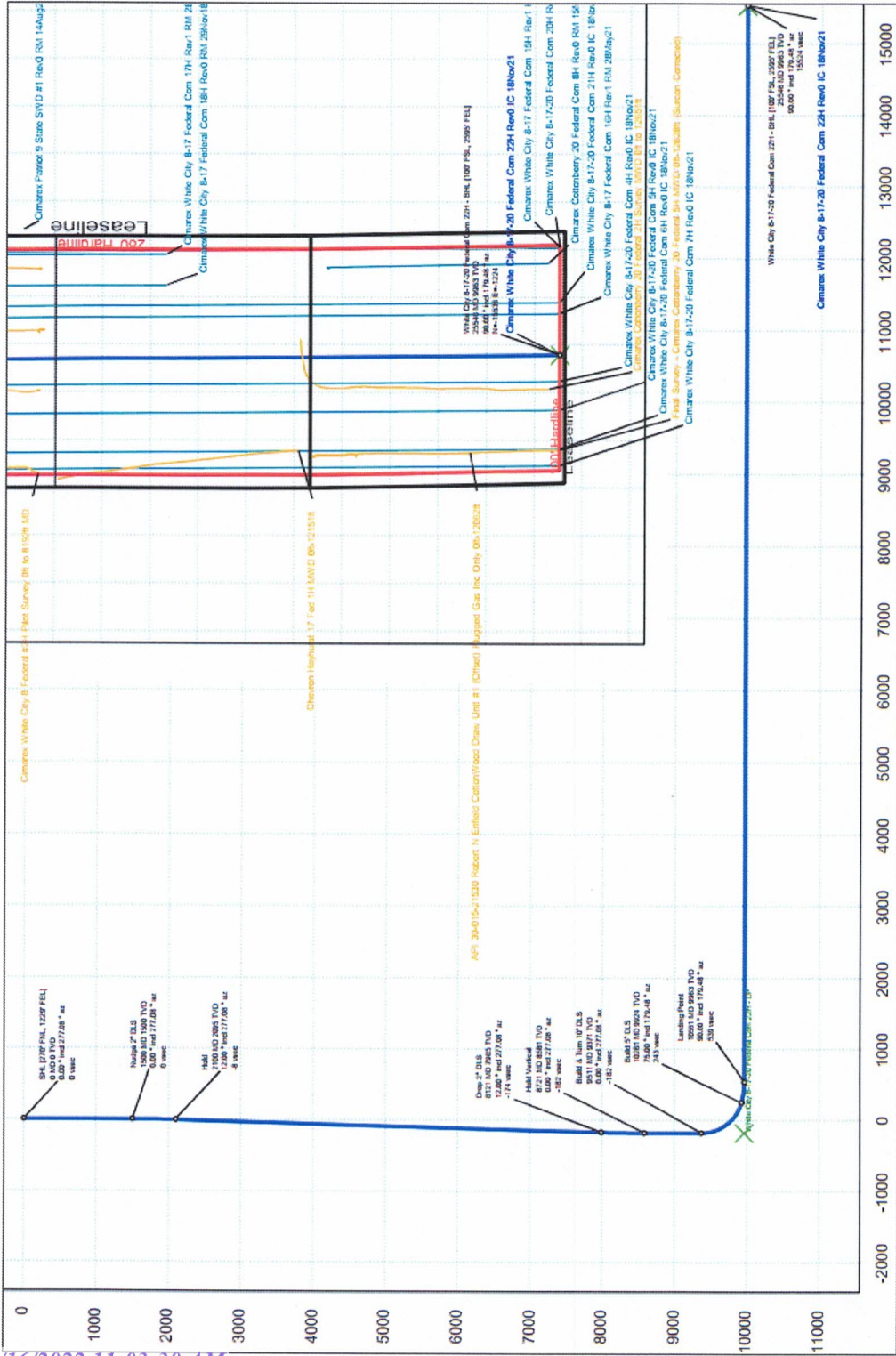
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White City 8-17-20 Fed Com 4H Wall Plot



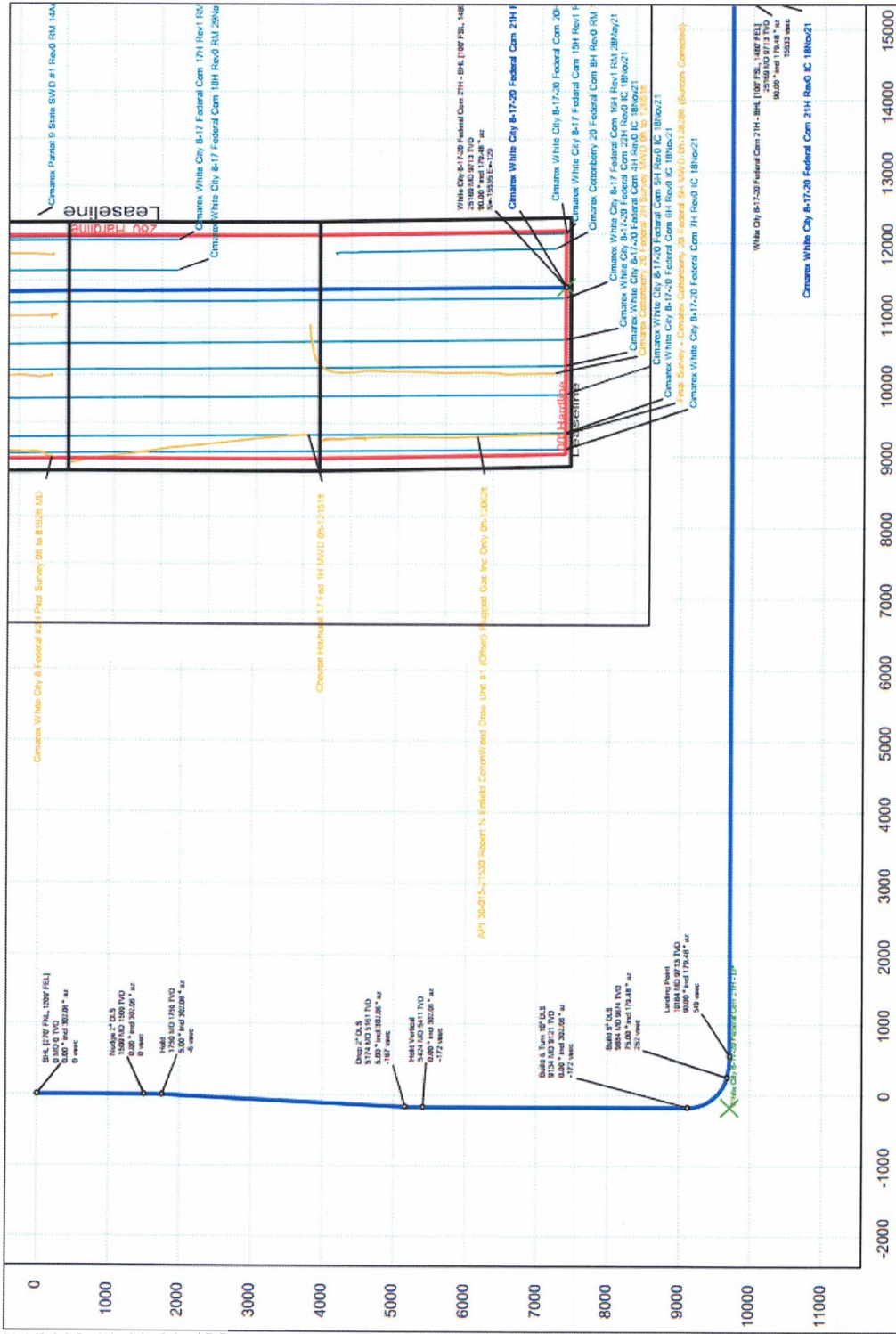
COTERRA

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



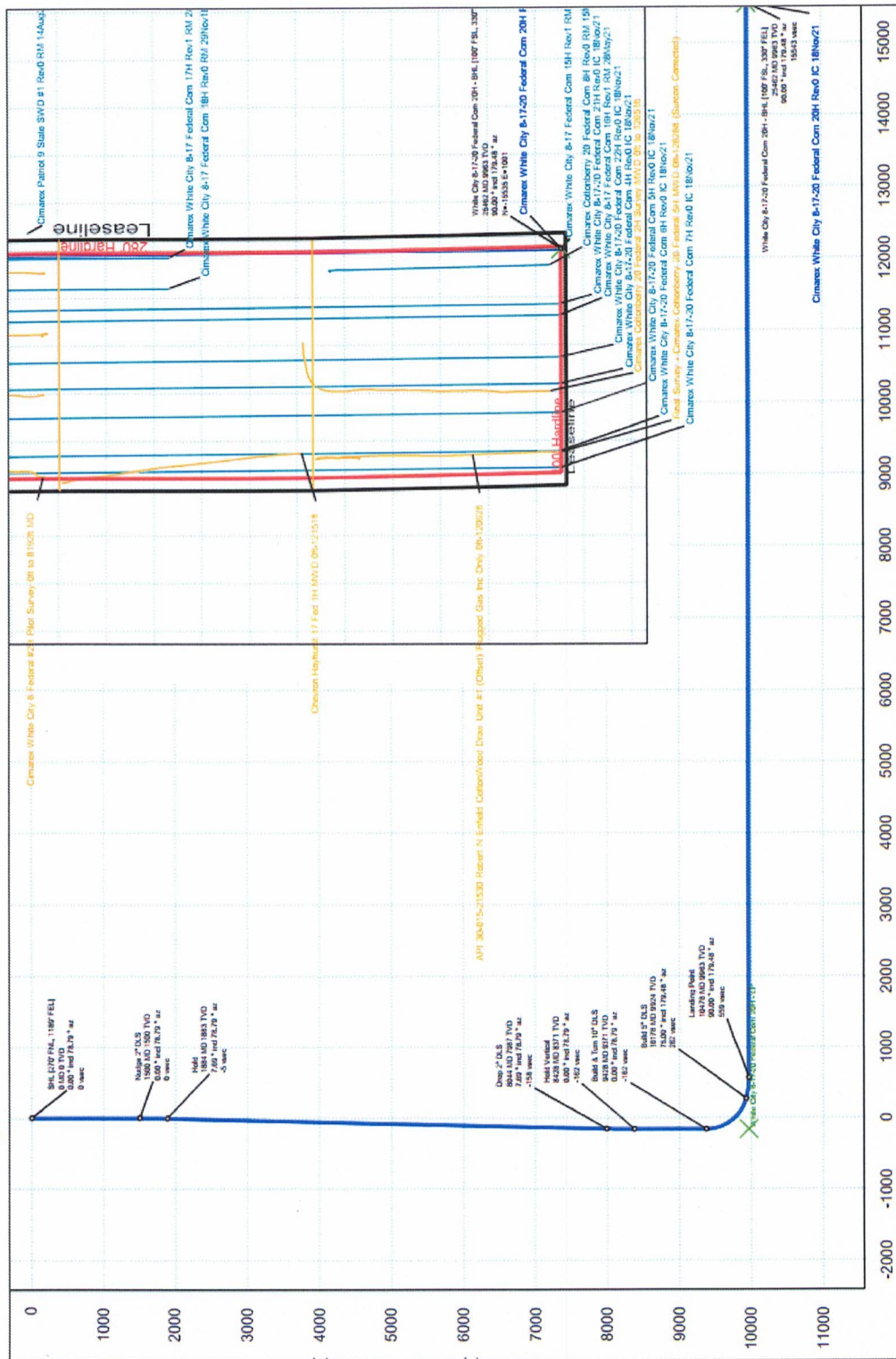
COTERRA

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



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

COTERRA



White City 8-17 Fed Com 17H Wall Plot

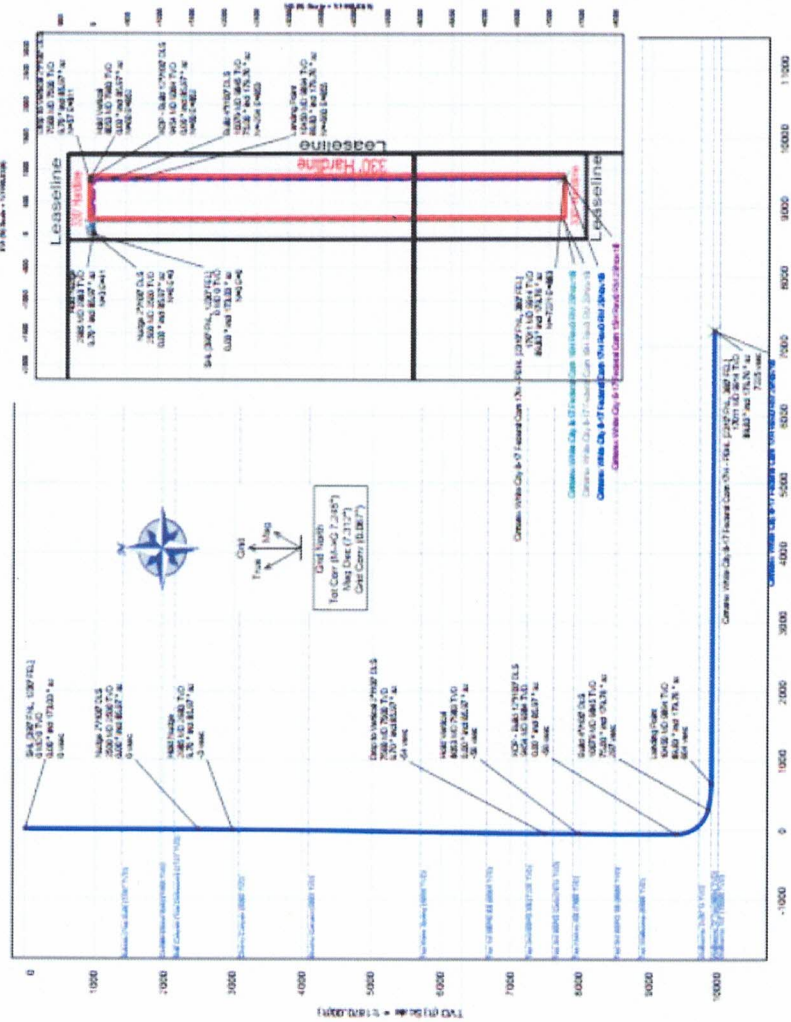
COTERRA



Cimarex Energy Rev 0



| | | |
|---|--|---|
| Structure: White City 8-17 Federal Com #17H | Field: White City 8-17 Federal Com #17H | Structure: Cimarex White City 8-17 Federal Com 17H |
| Company & Material Parameters: | Survey Parameters: | Other: |
| Name: 0209 2019 Date: 08/12/21 File: 17HWallPlot.dwg User: J. [unreadable] Project: 17H Wall Plot | Survey: 17H Wall Plot Date: 08/12/21 Station: 17H Wall Plot User: J. [unreadable] | Project: 17H Wall Plot Date: 08/12/21 Station: 17H Wall Plot User: J. [unreadable] |



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

COTERRA

Schlumberger **Cimarex Energy** **Rev 0** **CIMAREX**

| | | | | |
|--|--|--|---|--|
| PROPERTY: White City 8-17 Federal Com #18H | | WELL: White City 8-17 Federal Com #18H | FIELD: NMI Eddy County (MAD 83) | APPROXIMATE LOCATION: Cotterra White City 8-17 Federal Com 18H |
| WELL ID: W18H001 | | WELL TYPE: Production | WELL STATUS: Active | WELL DATE: 03/16/2022 |
| WELL DEPTH: 1241' | | WELL DIAMETER: 10.75" | WELL PERFORMATION: 10.75" x 10.75" x 10.75" | WELL TYPE: Production |
| WELL TYPE: Production | | WELL STATUS: Active | WELL DATE: 03/16/2022 | WELL TYPE: Production |

