

# City of Aurora, Colorado

## Civitas Resources Proposed Lowry Ranch Drilling Plans



**Jeffrey S. Moore, P.G.**  
Manager ♦ Oil & Gas Division

*We steward access to the natural resources under our authority with integrity and respect for our citizens, businesses, and the environment.*

# Big Picture

- Aurora has no authority over these wells
  - Wells are permitted based on surface location
  - Wells will be permitted by Arapahoe County and COGCC
- No applications have been submitted yet
  - CAP documents submitted in October will be revised and re-submitted next year
  - Current plans are proposed and subject to revision
- Permitting expected to take roughly 2 years
- Leasing offers may be able to be extended



# Lowry Ranch

 Ward VI (partial)

 Lowry Ranch

- ~25,000 acres
- Former World War II bombing range and munitions dump
- Surface and minerals managed by State Land Board
- Revenue supports public schools

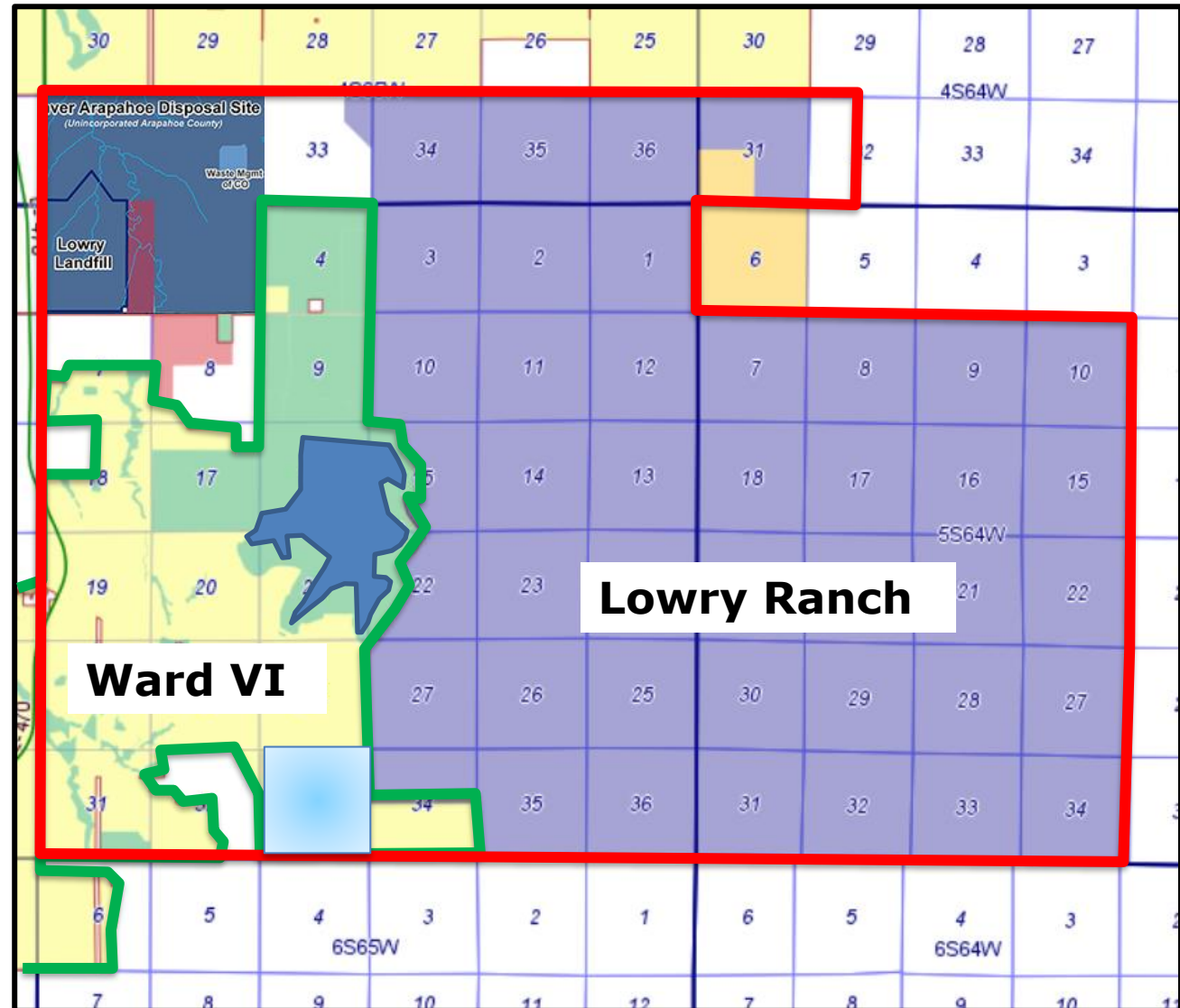
- Existing oil & gas

- Grazing leases

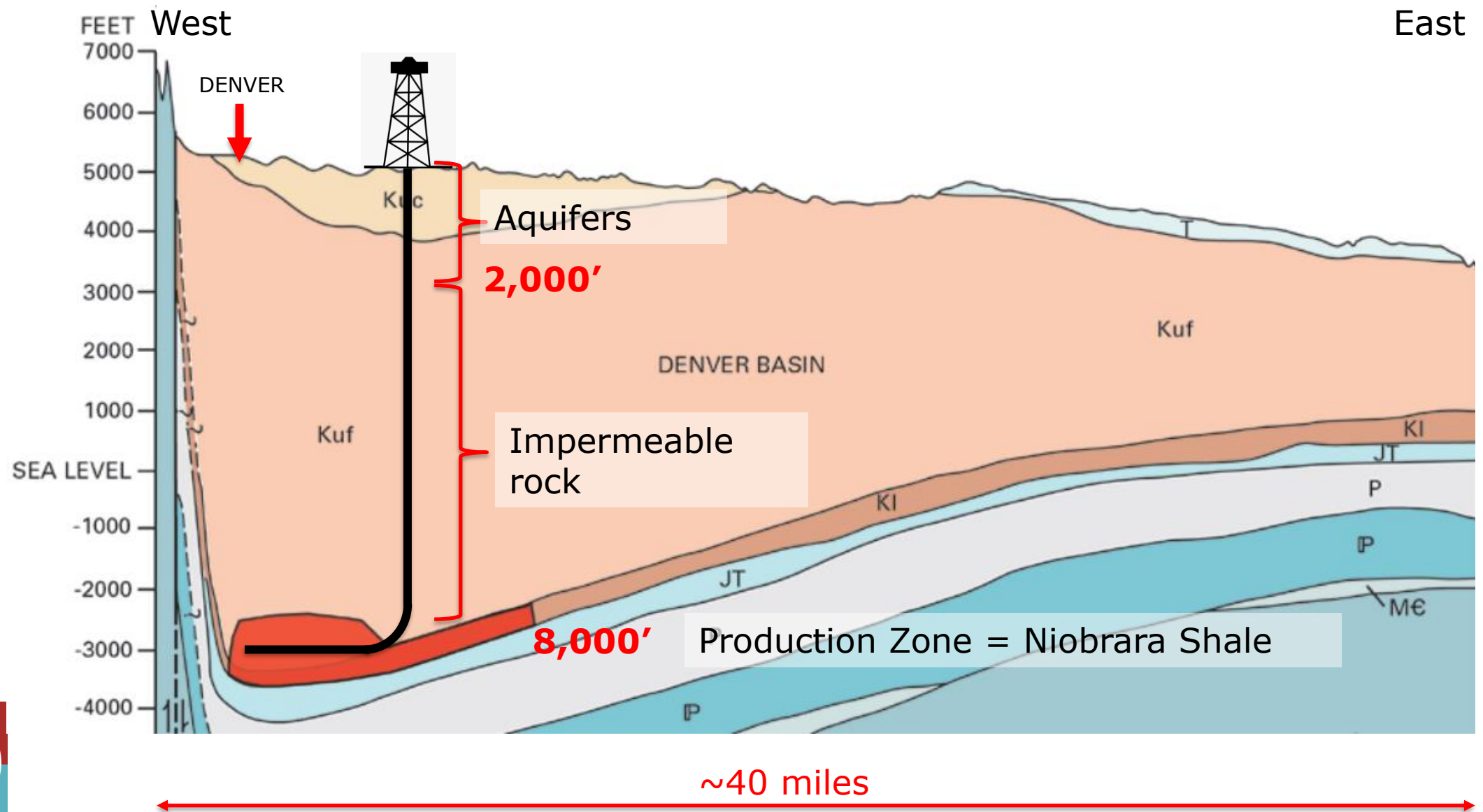
 Lowry Ranch CAP



 Blackstone



# Deep Drilling (>7,000')

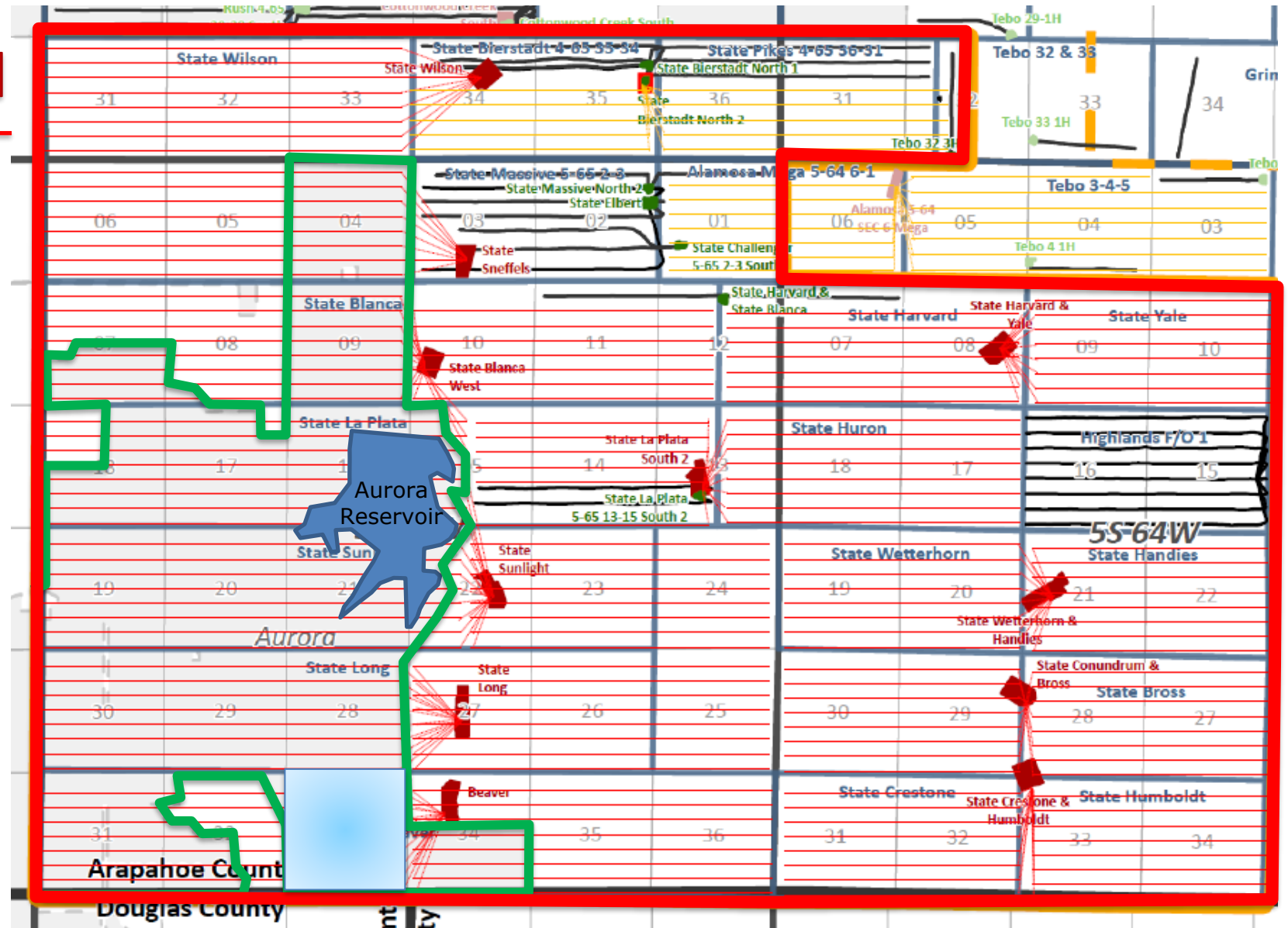


# Lowry Ranch

- 12 new Well Sites
- 174 new wells
- No Well Sites inside Aurora City limits
- Drilling under all of Ward VI and Aurora Reservoir (>7,000' depth)
- Red lines are wellbore path at 660' apart
- Drilling under DADS and Lowry Superfund Site

 Lowry Ranch CAP

 Blackstone



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 Lowry Ranch CAP

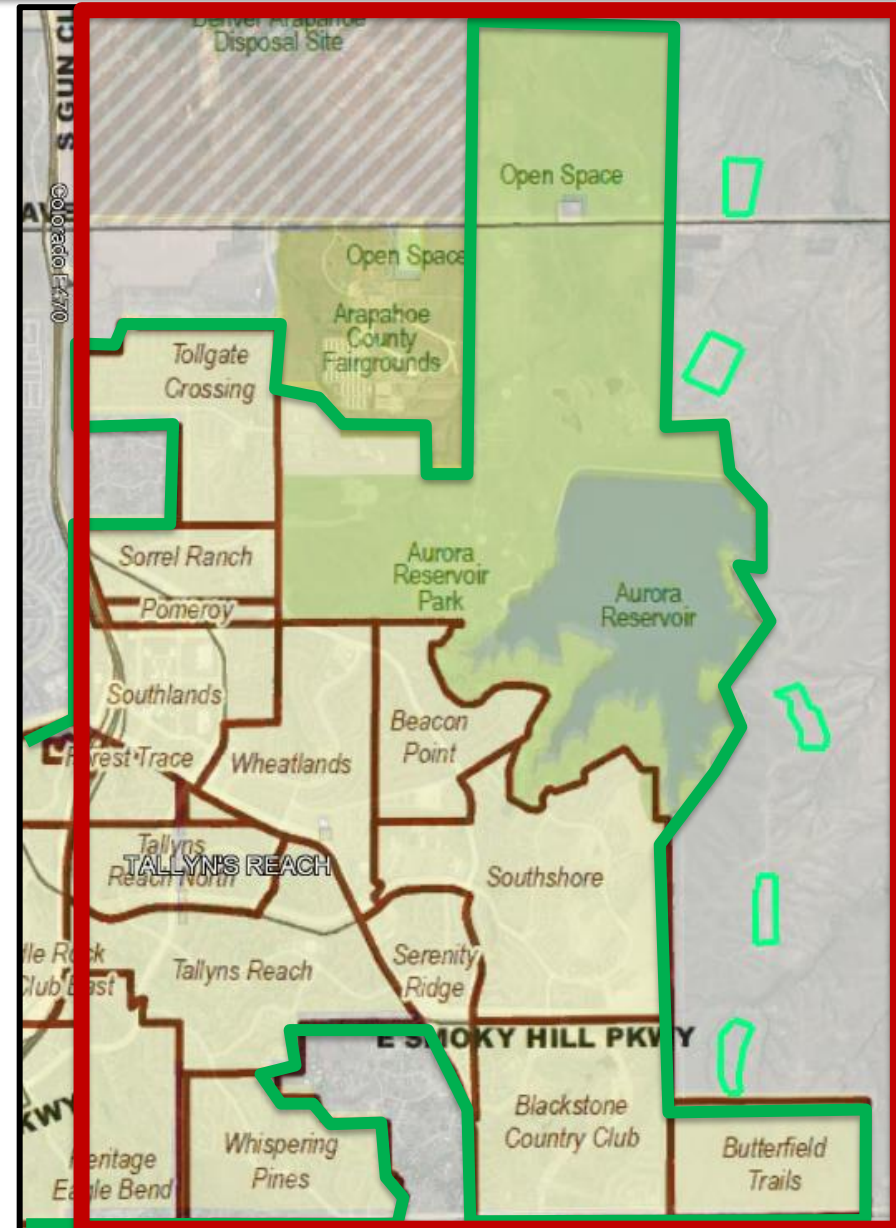
 Blackstone





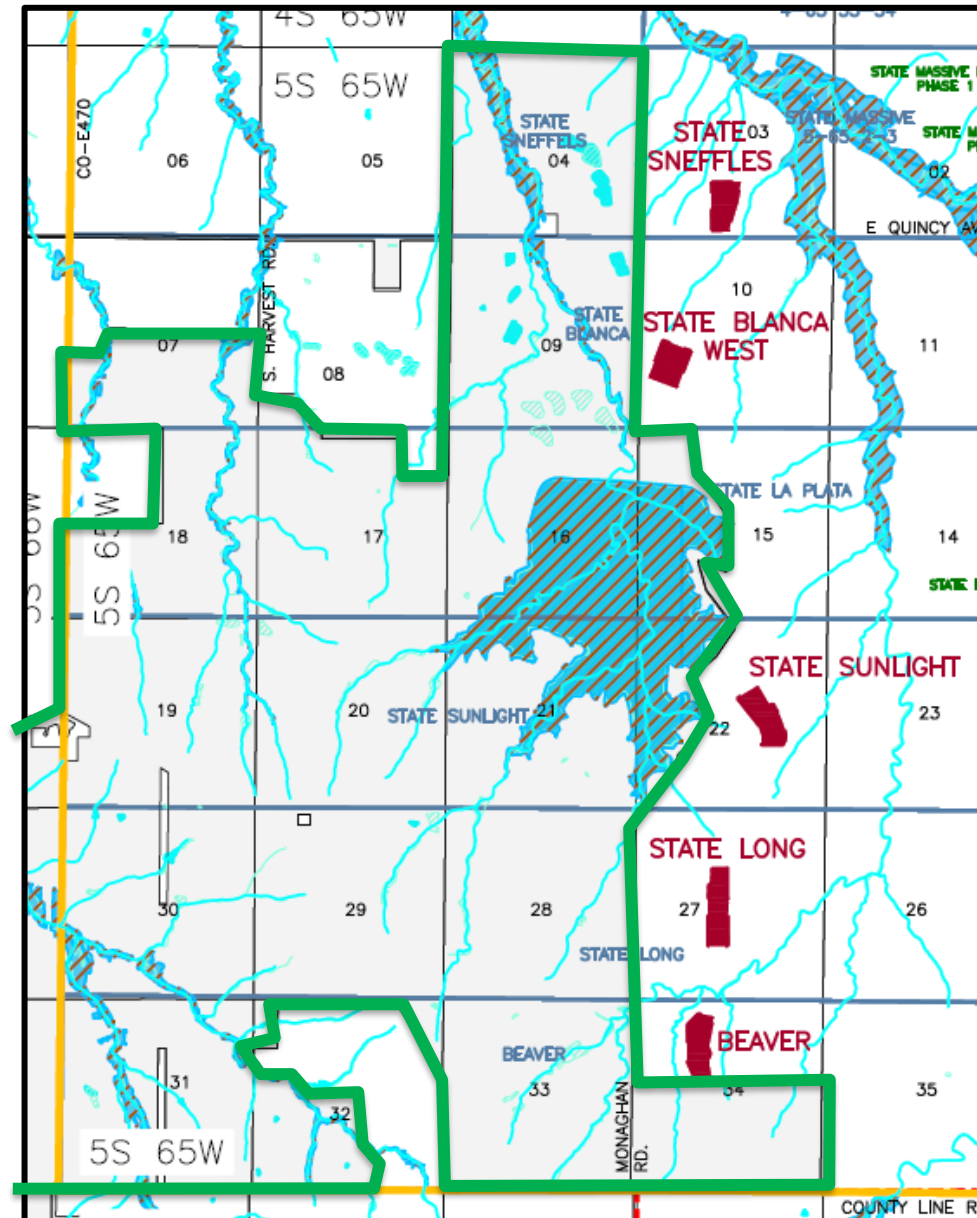
# Lowry Ranch

- 5 Well Sites directly east of Ward VI 
- 47 Wellbore paths directly under Ward VI (all neighborhoods except Saddle Rock North, South, and East)
- No Well Sites inside Aurora City limits
- All Well Sites are >2,000' from Residential Building Units (RBUs)
- Well Sites placed beyond 1<sup>st</sup> ridge east of Ward VI and Reservoir
- Well Sites may be visible to some but not all residents after drilling is complete



# Protection of Water Resources

- Well Sites planned to avoid active drainages
- State Sunlight well site is over the ridge and drains to the east





# Process

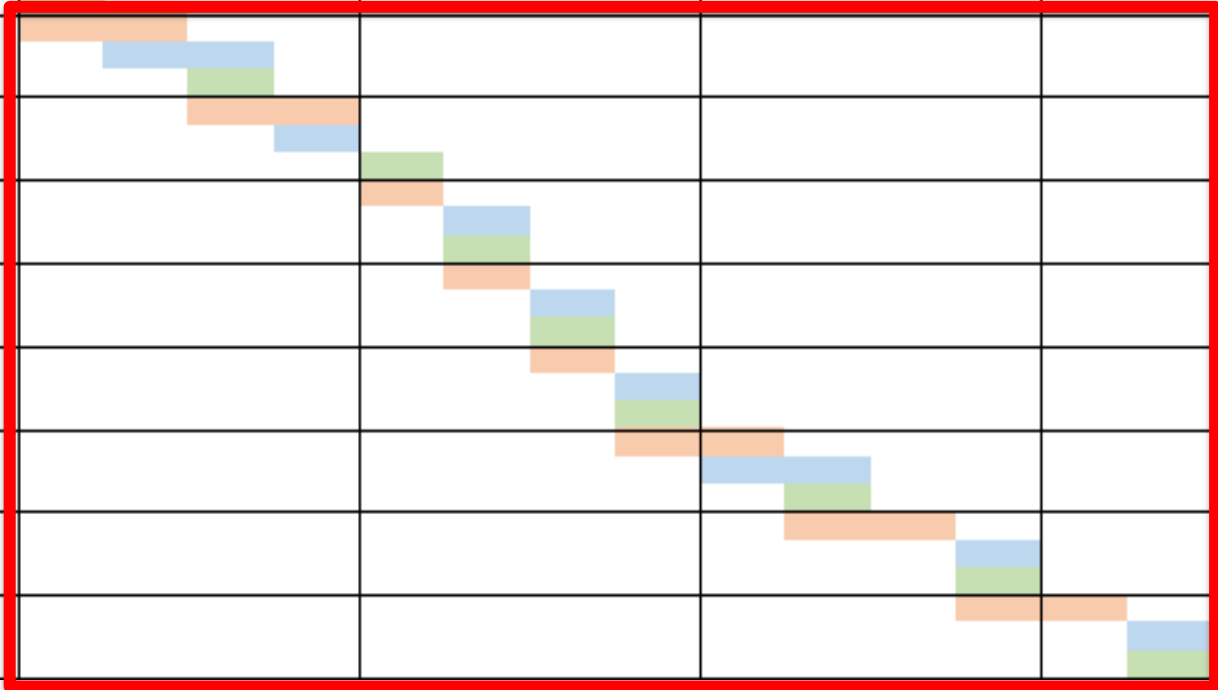
	2022		2023				2024				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Leasing mineral interest	█		█								
Apply for CAP (COGCC)		█	█				█				
Apply for DSU (COGCC)						█	█				
Apply for Arapahoe County permits			█								
Apply for COGCC Form 2A							█				
Apply for COGCC Form 2									█		
Force pooling										█	



Estimated by Oil & Gas Division

# Timing

Pad	Ops Phase	2024				2025				2026				2027				2028				
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
State Bierstadt North 2 Phase 2	Drill Complete Online																					
State La Plata Phase 2	Drill Complete Online																					
★ State Sunlight	Drill Complete Online																					
★ State Blanca	Drill Complete Online																					
State Harvard	Drill Complete Online																					
State Wilson	Drill Complete Online																					
★ State Sneffels	Drill Complete Online																					
★ State Long	Drill Complete Online																					
State Wetterhorn	Drill Complete Online																					
★ Beaver	Drill Complete Online																					

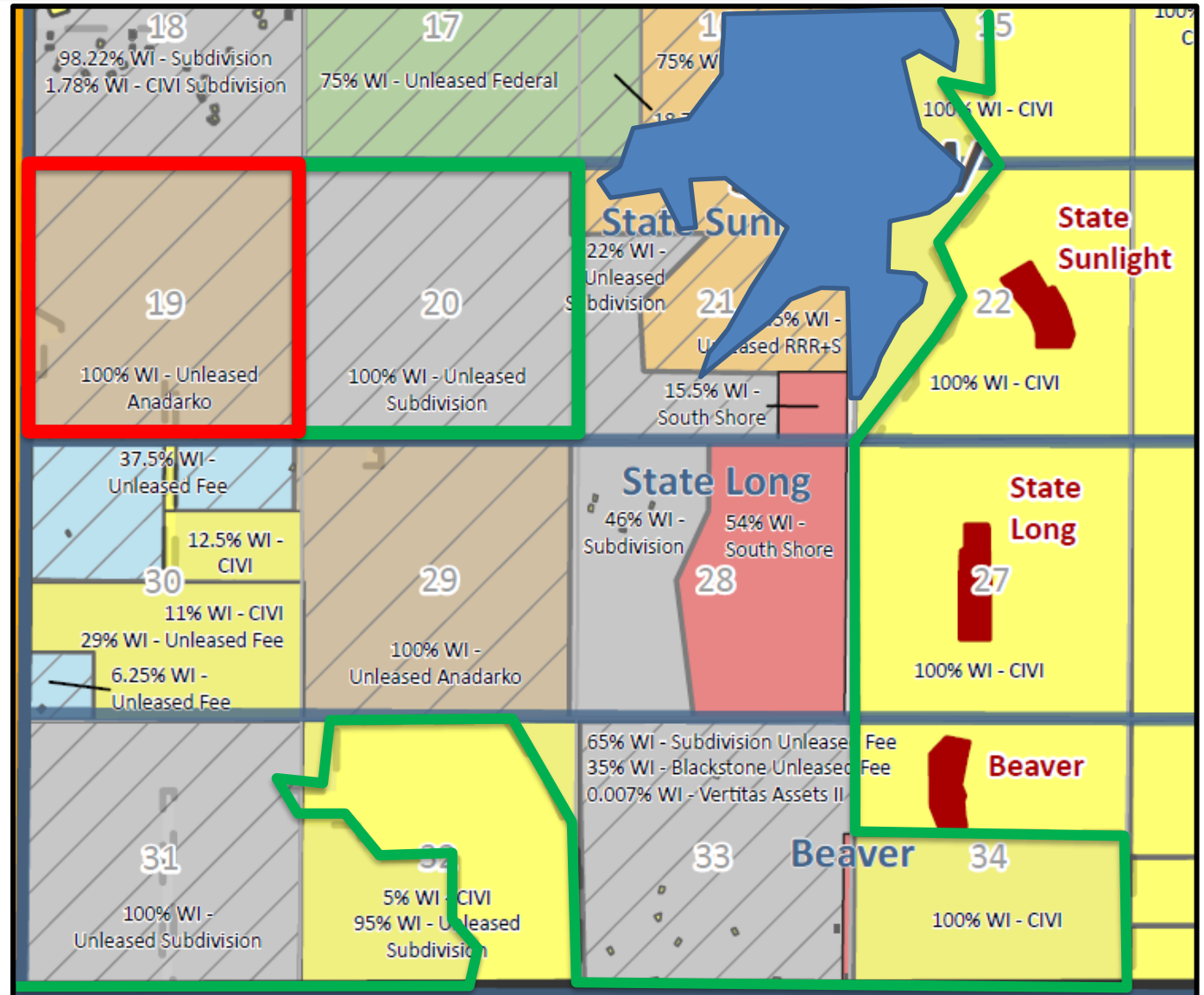


Well Site offsetting Ward VI

Schedule Provided by Crestone

# Leasing

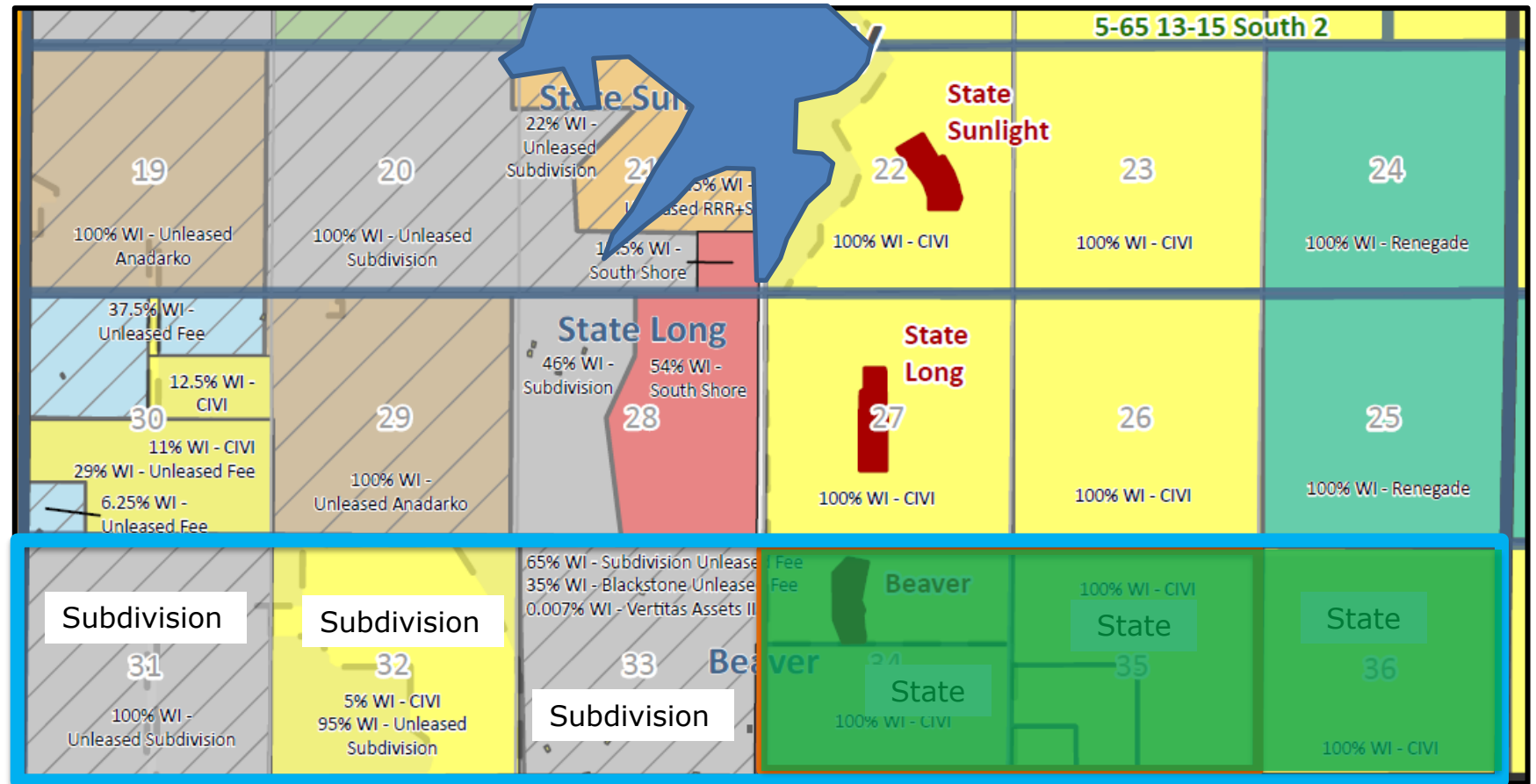
- Complex
- Historically subdivision homeowners do not own minerals
- ~3,000 mineral owners
- Example Section 20 (Some Wheatlands and Beacon Point)
  - Individual property owners own minerals
- Example 19 (Southlands mall and surrounding)
  - Oxy (Anadarko Petroleum) owns minerals



Ward VI Outline

# Drilling and Spacing Unit (DSU)

- Crestone applying to expand DSUs
- Must have 45% of DSU leased to force pool remaining interest (C.R.S. 34-60-116)
- Example:  
3/6=50%



Current DSU



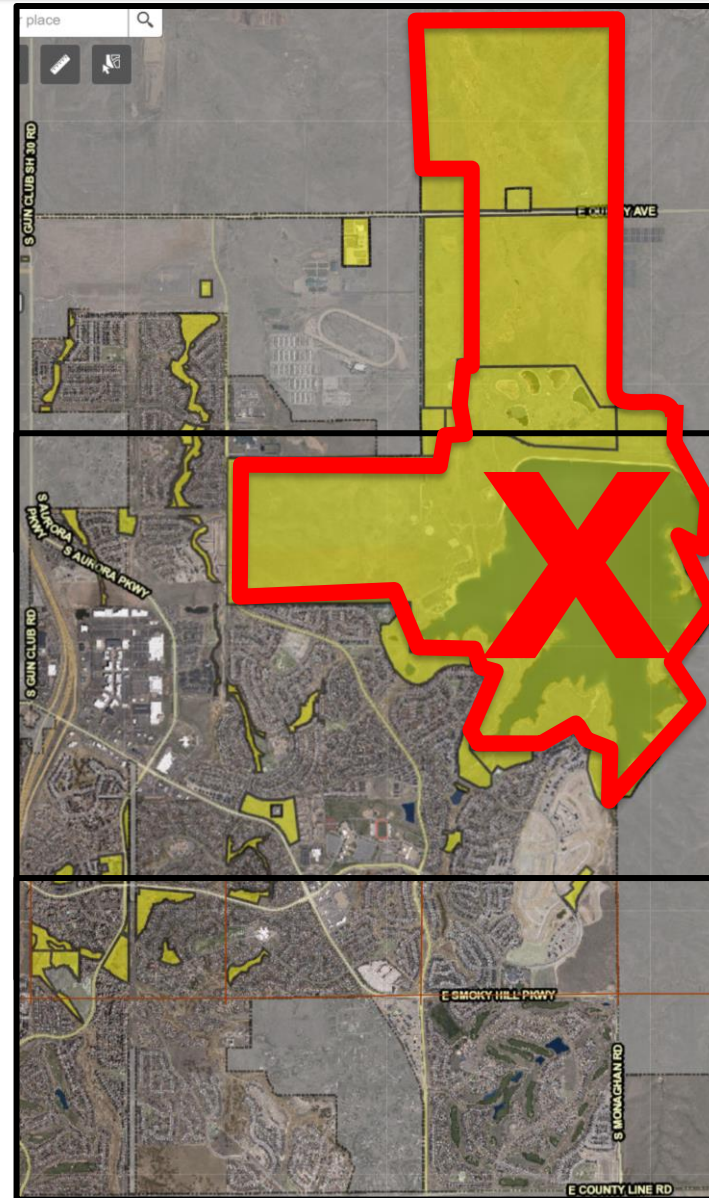
Proposed DSU expansion

# City Mineral Ownership

- Working with Real Property to assess
- Likely on the order of 100's of acres
- Bonus and royalty would bring income to the City
- Do not own the minerals under the large tracts on this map
- Do not own the minerals under Aurora Reservoir



City-owned surface property



# City Response

## **Done:**

- City has no direct authority since wells outside City limits
- Providing information and answering questions since June 2022
- Drafted 2-page memo (July 2022)
- Attended Mayor Pro Tem Bergan's Town Hall (July 2022)
- Attended Tallyn's Reach Community meeting (October 2022)
- Coordinating with Arapahoe County on FAQs
- Updated memo to 12 pages (November 2022)

## **To Do:**

- Lead staff group to gather written perspectives (January 2023)
- Continue to answer questions and attend community meetings
- Provide comments in Arapahoe County and COGCC public comment periods





# Contact

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# Thank you!



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