



CIVITAS

Extraction Oil & Gas, Inc.* Coyote Trails ECMC Location ID # 319094 Form 2 Applications

Colorado Energy and Carbon Management
Commission (ECMC) Hearing - Docket No. 230900287

January 24, 2024

** Extraction Oil & Gas, Inc. is a wholly owned subsidiary of
Civitas Resources, Inc.*

Coyote Trails:

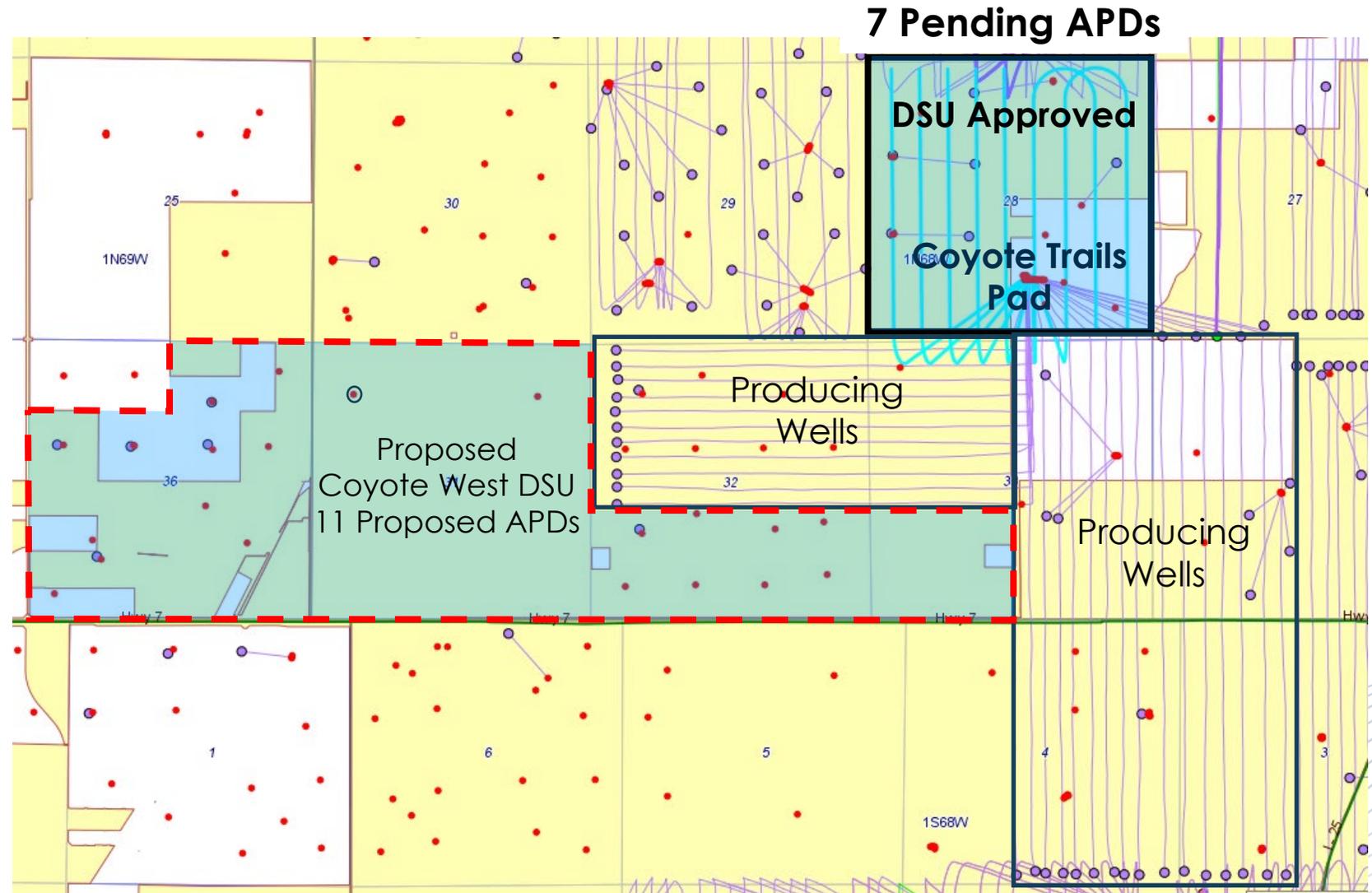
Form 2 Applications - Presenters

- Chandler Newhall, Asset Development Manager
- Jeff Annable, Manager, Well and Location Permitting
- Aaron Schlabaugh, Senior Air Monitoring Specialist

- Other Individuals Available for Questions:
 - Kathy Steerman, Director - Air Programs
 - Sean Casper, Surface Landman
 - Sean Flanagan, Senior Mineral Landman
 - Nathan Bennett, Director – Permitting & Compliance

Coyote Trails Reference Map

- SWSE of Section 28, Township 1 North, Range 68 West, 6th P.M., Weld County
- Nearby Crossroads: South of CR 6 & CR 7
- RLG: Weld County – Active WOGLA Permit (WOGLA17-0074)
- 18 new wells from existing Oil & Gas Location – Coyote Trails Pad (Location ID 319094)
- No Schools, Childcare Centers, HOBUs, DOAAs, Floodplains, PWS or Riparian Corridors within 2,000'
- Nearest RBU is ~1,400' from proposed wells and >1,000' from WPS
- No Disproportionately Impacted Community within 2-miles

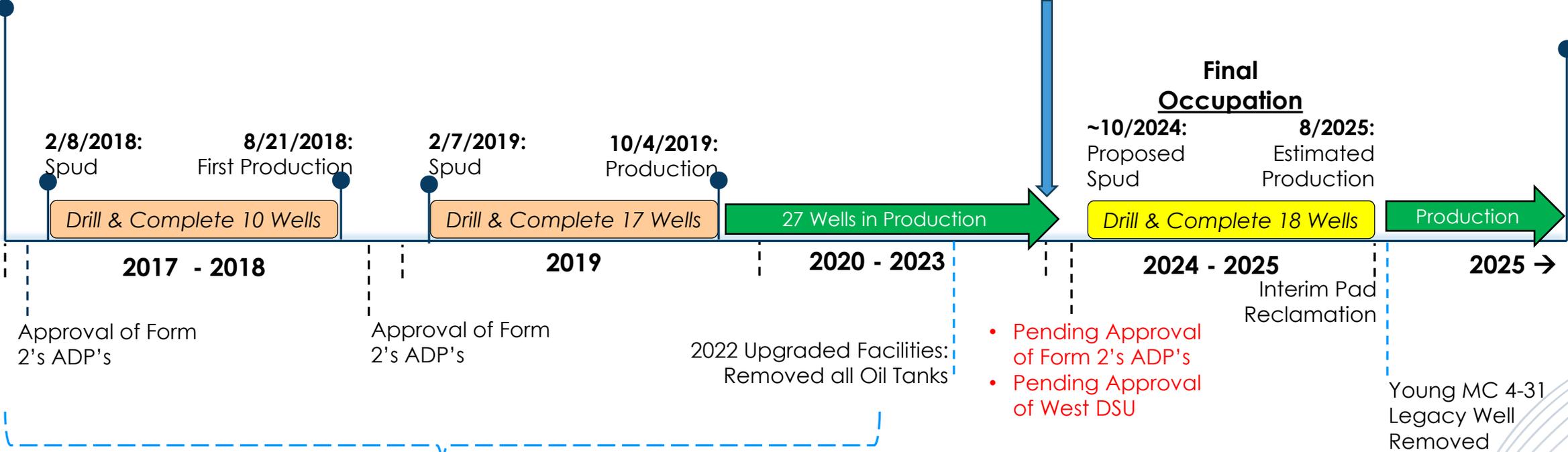


Coyote Trails: Timeline

~6 Months of Drilling & Completion Remaining

May 2017: Location identified to adjust wells within the Broomfield Project, ultimately shifting 40 Wells from locations in Broomfield to Coyote Trails

11/20/2017:
Form 2A approved for 45 Wells



Coyote Trails enabled the removal of **28 Legacy Wells** from **2017 - 2021**



Anticipated Timing of Final Occupation

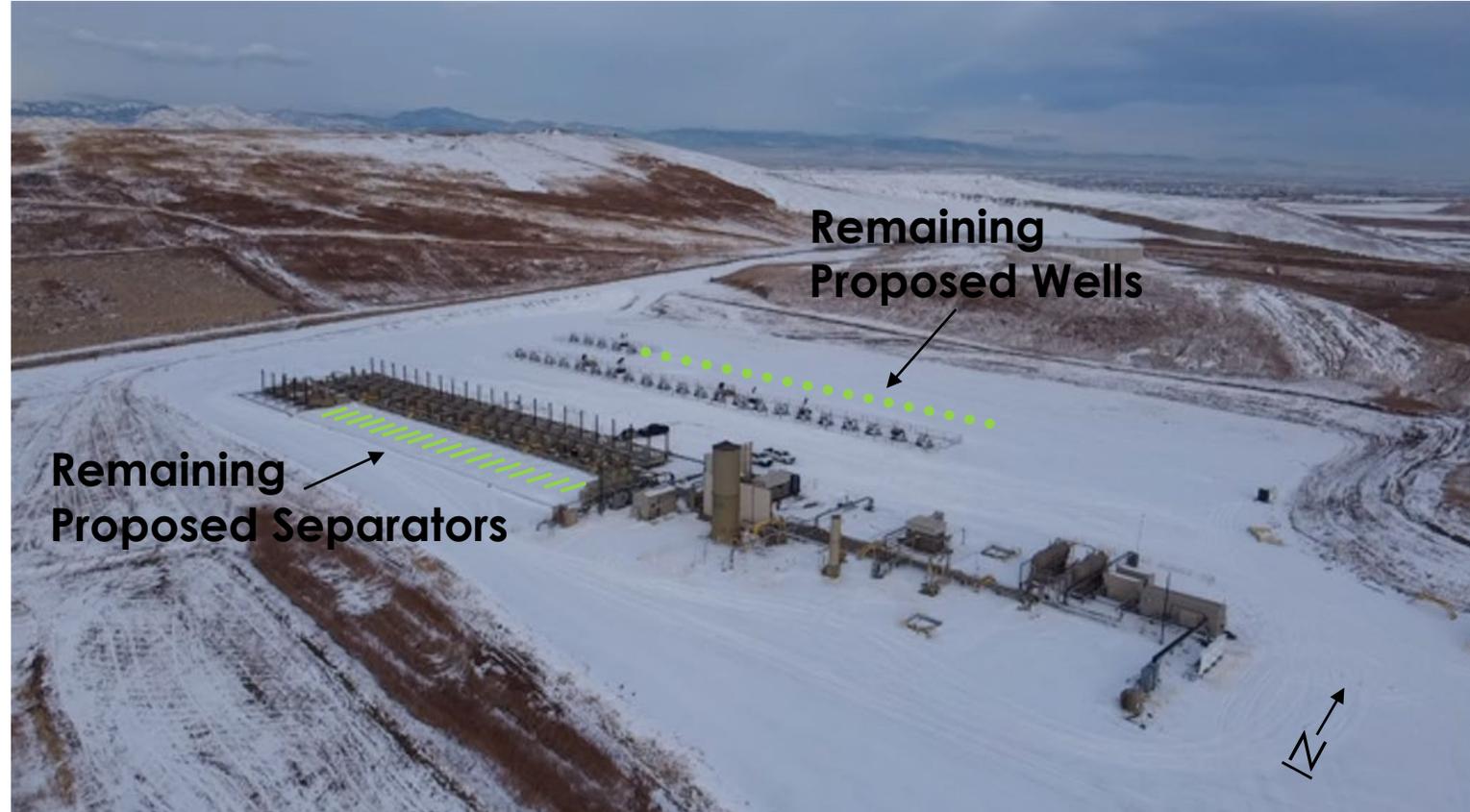
Initiation to Interim Reclamation of ~11 months

Timing

- 4Q2024: Construction Phase Start
 - Slight extension of pad
- 4Q2024: Drilling Phase Start
- 2Q2025: Completions Phase Start
- 3Q2025: Interim Reclamation and P&A on remaining Legacy Well

Established BMPs to be utilized

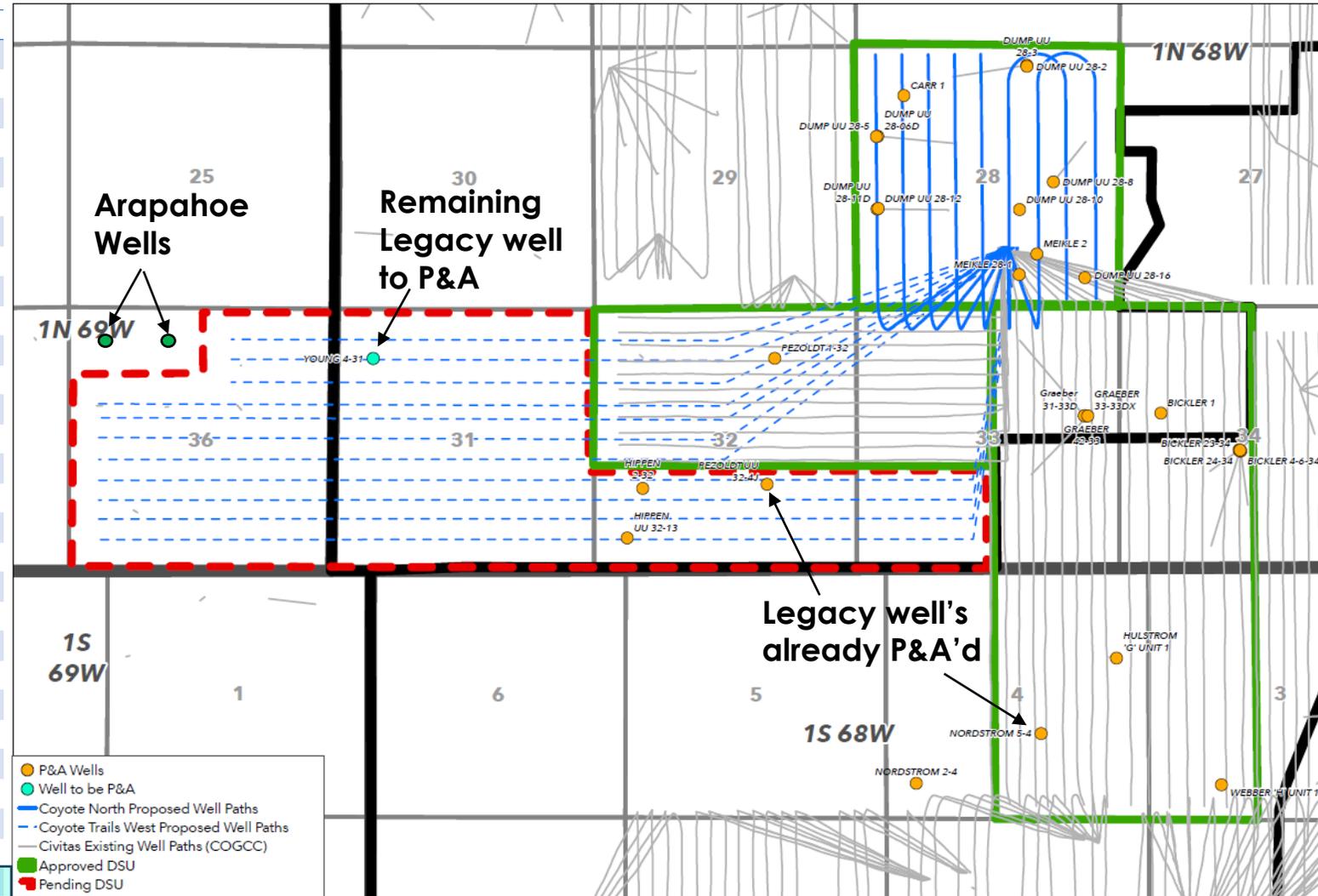
- Electrical infrastructure
 - Drilling
 - Production facilities
- Operational Oil-Gas-Produced Water takeaway



29 Well P&A Program

1 Remaining well to P&A and 2 Additional P&A Opportunities

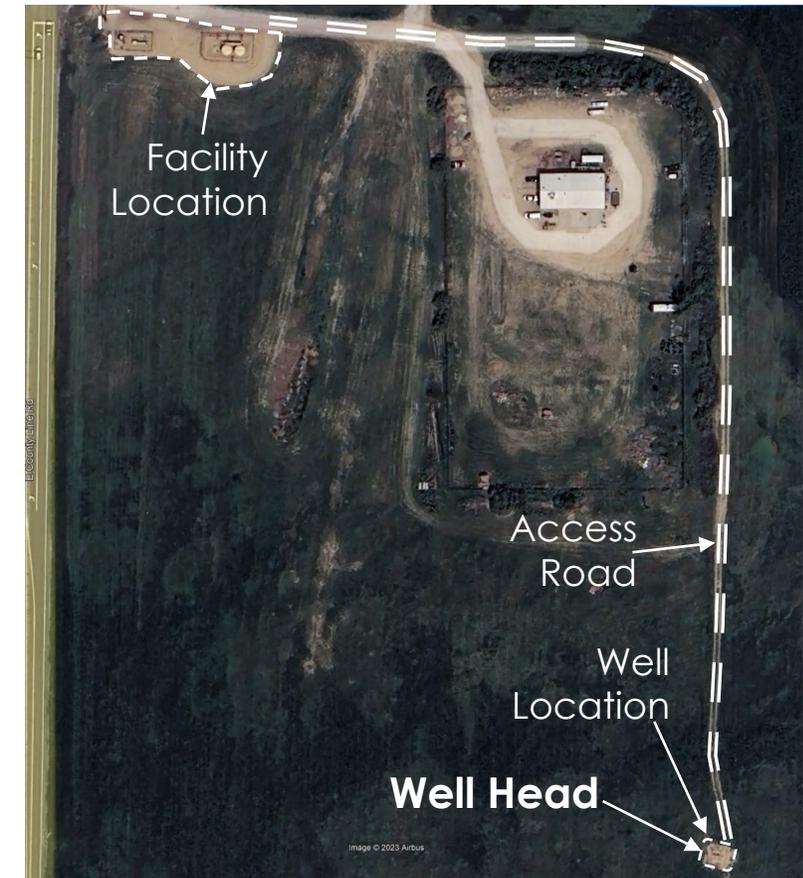
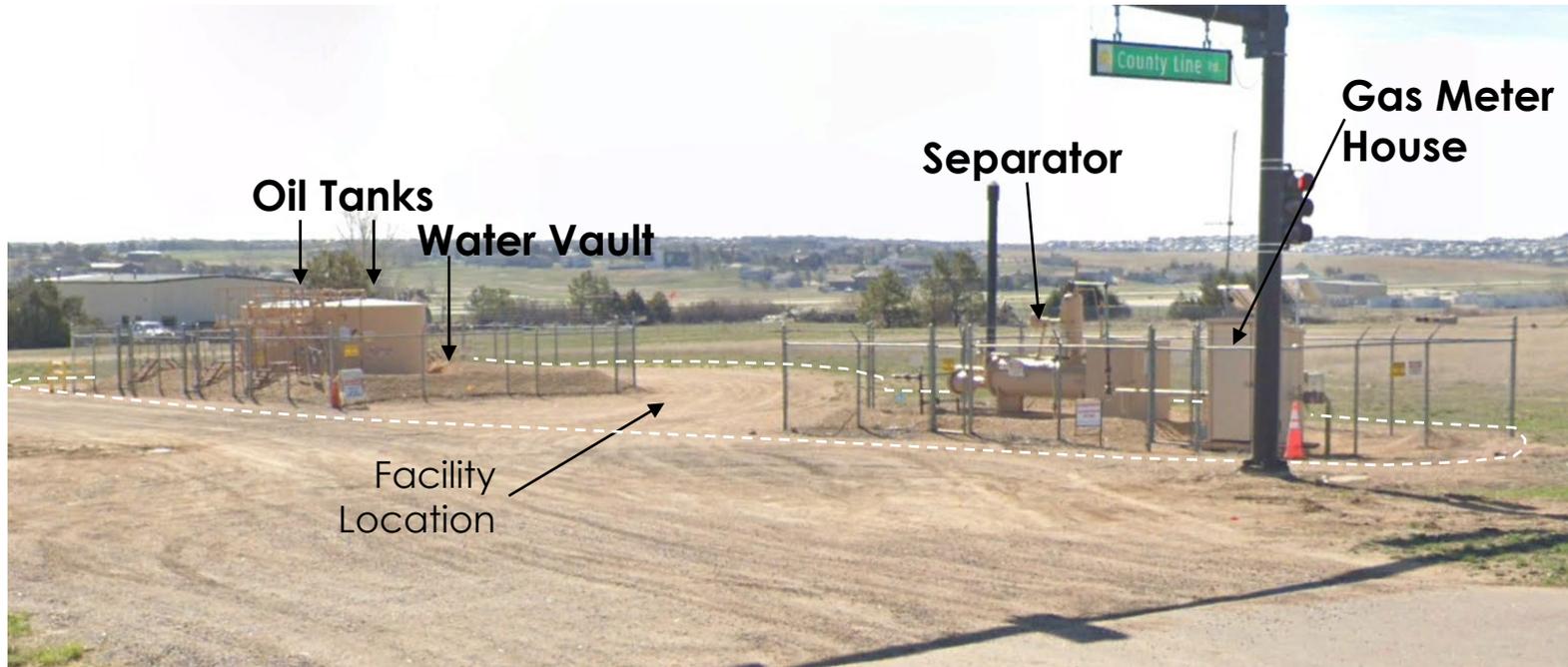
Name	T	R	Sec	P&A Date	HZ New Wells
Carr 1	1N	68W	28	9/7/2017	Coyote North
Pezoldt 1-32	1N	68W	32	9/8/2017	Coyote Trails West
Meikle 28-1	1N	68W	28	9/25/2017	Coyote North
Meikle 2	1N	68W	28	10/18/2017	Coyote North
Bickler 1	1N	68W	34	3/9/2018	Coyote South
Dump UU28-16	1N	68W	28	3/12/2018	Coyote North
Dump UU28-10	1N	68W	28	3/20/2018	Coyote North
Graeber 42-33	1N	68W	33	4/25/2018	Coyote South
Hippen UU32-13	1N	68W	32	7/28/2018	Coyote Trails West
Nordstrom 5-4	1S	68W	4	3/28/2019	Coyote South
Graeber 33-33DX	1N	68W	33	3/28/2019	Coyote South
Nordstrom 2-4	1S	68W	4	6/11/2019	Coyote South
Hulstrom 'G' Unit #1	1S	68W	4	6/11/2019	Coyote South
Webber 'H' Unit #1	1S	68W	3	6/17/2019	Coyote South
Dump UU28-5	1N	68W	28	10/18/2019	Coyote North
Dump UU28-6D	1N	68W	28	10/18/2019	Coyote North
Dump UU28-2	1N	68W	28	10/30/2019	Coyote North
Dump UU28-3	1N	68W	28	10/30/2019	Coyote North
Hippen 2-32	1N	68W	32	11/5/2019	Coyote Trails West
Pezoldt UU32-4J	1N	68W	32	12/9/2019	Coyote Trails West
Graeber 31-33D	1N	68W	33	1/6/2020	Coyote South
Bickler 23-34	1N	68W	34	2/4/2021	Coyote South
Bickler 24-34	1N	68W	34	2/4/2021	Coyote South
Bickler 4-4-34	1N	68W	34	2/4/2021	Coyote South
Bickler 4-6-34	1N	68W	34	2/4/2021	Coyote South
Dump UU28-8	1N	68W	28	7/26/2021	Coyote North
Dump UU28-11D	1N	68W	28	8/4/2021	Coyote North
Dump UU28-12	1N	68W	28	8/4/2021	Coyote North
Young 4-31	1N	68W	31	TBD	New Coyote West Wells



{• Arapahoe 1-36 & Arapahoe MC 36-3 outside project area; P&A'd enabled with the New Coyote Trails West DSU Docket No. 230600223 }

Remaining Legacy Well to P&A:

Young MC 4-31 Well and Facility



- Included in Broomfield Operator Agreement list of wells to Plug & Abandon
- Equipment to be removed: Wellhead, 2 Oil tanks, Water Vault, Separator, Gas Meter house, flowlines, reclamation of lease road, well and facility location

Upgraded Best Management Practices

Additional BMPs added for the final occupation

Pre- Production Operations

- Enhanced community outreach
- Group III Drilling Mud
- Tier IV or better completion fleet
- Elimination of flowback crew, flow through perm equipment

Production Operations

- Tankless Design
- Compressed air pneumatics for all pneumatic actuation on location.
- Pressurized maintenance vessel during maintenance operations.

List of proposed New BMP's/COA's:

Form 4 Commitments

- Community Outreach and Notification
 - Operator will send out a voluntary pre-construction notice prior to construction.
 - Operator will send out a Move In Rig Up Notice (MIRU) prior to drilling.
 - All notices will go to property owners and tenants within 1/2 mile, will comply with Colorado Energy and Carbon Management Commission (ECMC) Rule 412.b and will contain the ECMC Complaints Fact Sheet, a link to a project specific-website that will provide more information regarding the development process, and operator contact information.
 - Here is a link to Civitas Community Relations webpage: <https://www.civitascommunityrelations.com/>
- Wildlife
 - Operator will conduct and avian survey prior to construction to confirm that there are no conflicts.

List of proposed New BMP's/COA's:

Form 4 Commitments

- Pre- Production Construction

- Dust suppression during initial construction will be accomplished by the application of freshwater to the access road(s) and exposed earthen surfaces to reduce the transportability of dust when atmospheric conditions are conducive to sustained winds and/or periodic gusts. All dust suppression efforts will consist of only freshwater unless otherwise requested and approved as applicable.
- Operator will perform regular inspections and road maintenance to ensure the integrity of the access road and associated features is maintained throughout the life of this project. Maintenance consists of re-compacting the road base/recycled asphalt mix on an as-needed basis.
- Operator will install and maintain vehicle tracking controls (i.e., coarse aggregate, a tracking pad, paved apron, or cattle guard) to further reduce and remove loose mud and dirt on construction equipment and vehicles servicing location.

List of proposed New BMP's/COA's:

Form 4 Commitments

- Pre-Production Drilling
 - New
 - Operator shall employ the use of drilling fluids with low to negligible aromatic content (IOGP Group III) during drilling operations after the surface casing is set and freshwater aquifers are protected.
 - Operator shall utilize a closed-loop, pit-less mud system for managing drilling fluids.
 - Operator shall remove drill cuttings daily and as soon as waste containers are full.
 - Operator shall employ pipe cleaning procedures when removing drill pipe from the hole; these procedures may include “wiping” the pipe before racking it in the derrick.
 - Existing
 - Utility Powered Electric Drilling Rig
- Pre-Production Completions
 - New
 - Operator will utilize a Tier IV equivalent or better completion fleet.
 - Existing
 - Operator will utilize temporary above ground lay flat water lines to bring fresh water to the location.

List of proposed New BMP's/COA's: Form 4 Commitments

- Noise Mitigation
 - Operator will monitor noise compliance with four (4) continuous sound monitors to ensure compliance with ECMC rules and regulations.
 - Operator will install sound walls on the southern and western sides of the pad.

Coyote Trails Pad



List of proposed New BMP's/COA's:

Form 4 Commitments

- Production Operations
 - New
 - Operator will upgrade the existing facility and proposed facilities to utilize compressed air pneumatics.
 - Operator will upgrade the existing facility to utilize a pressurized maintenance vessel system which will eliminate the need for venting during maintenance operations.
 - All tanks have been removed from this location.
 - Operator will coordinate continuous air quality monitoring through Colorado Department of Public Health and Environment.
 - The location surface will be upgraded with material that minimizes dust impacts.
 - Existing
 - Oil, gas, and produced water pipelines already service the location
 - Electrified Production Facilities
- Ozone Mitigation
 - Ozone mitigation on forecasted high ozone days: operator will eliminate use of VOC paints and solvents
 - Ozone mitigation on forecasted high ozone days: operator will minimize vehicle and engine idling
 - Ozone mitigation on forecasted high ozone days: operator will reduce truck traffic and worker traffic
 - Ozone mitigation on forecasted high ozone days: operator will postpone the refueling of vehicles
 - Ozone mitigation on forecasted high ozone days: operator will reschedule non-essential operational activities such as pigging, well unloading and tank cleaning

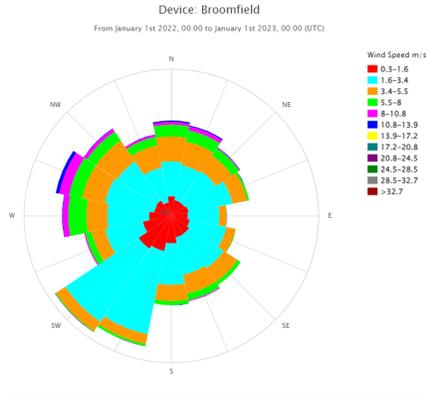
Ambient Air Monitoring at Coyote Trails

Early stakeholder input with local government on monitoring plan.

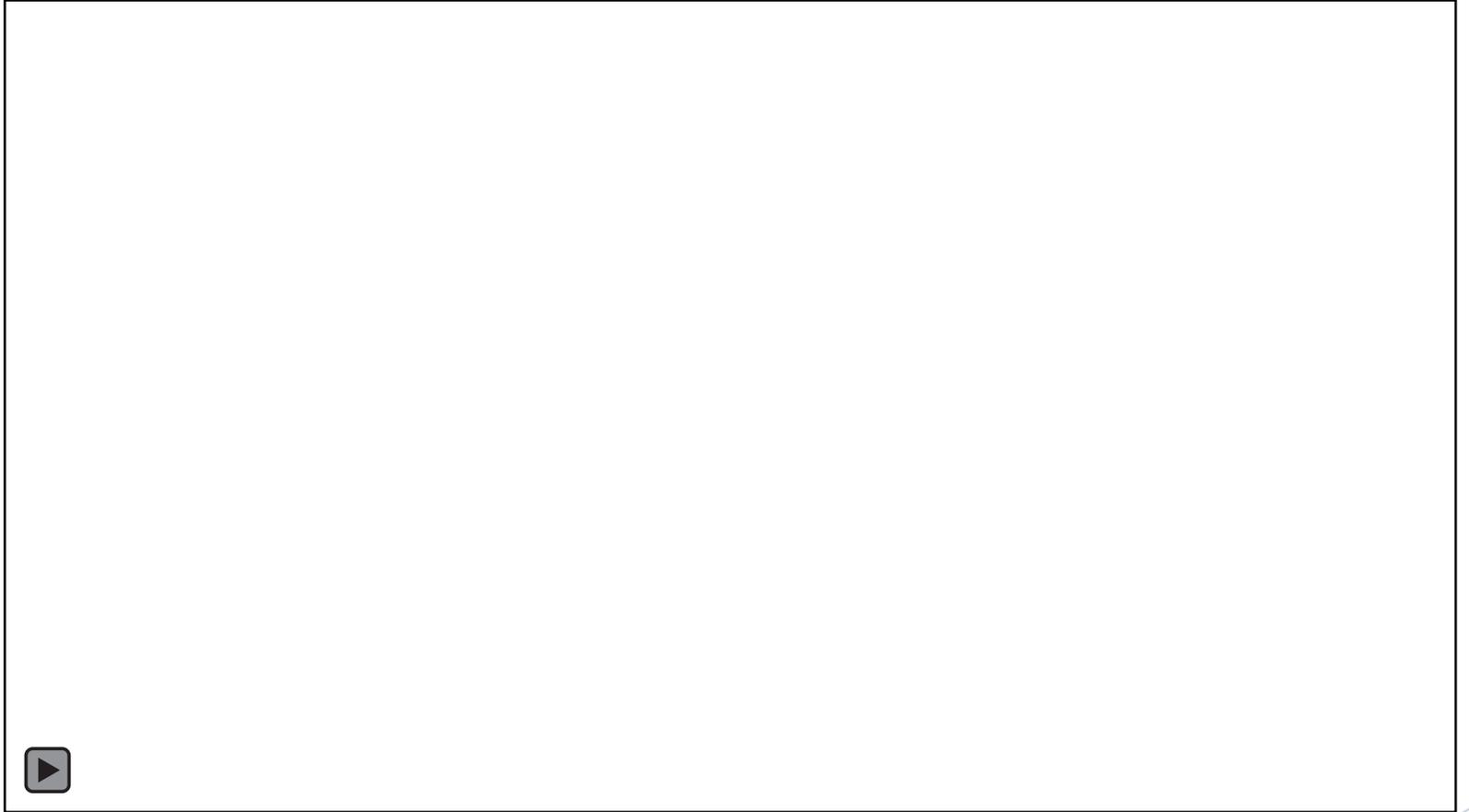
Proposed monitoring locations are shown as yellow dots. Civitas will work with Local Government to locate a community air monitor to the east.

Air monitors will have ability to take summa canister samples for laboratory speciation.

Facility improvements and BMPs will **decrease VOCs by 87% and NO_x by 33%, per well**, compared to the initial pad development.



Continuous Leak Detection



- This is a permanent continuous optical gas imaging camera that makes a full inspection rotation every hour.
- It performs constant leak detection and enhances monitoring program
- Will be installed at the Coyote Trails production facility.

Summary:

Coyote Trails Final Drilling Occupation

Construction & Operation Phases

- Access Road/Traffic BMP's; including temporary sound walls and traffic control measures
- Existing Pad
- Community notification, contact & website

Drilling Phase

- Drilling Engine Commitment: Electric Rig connected to grid (Existing)
- Closed Loop & Group III Drilling Mud will be used at Coyote Trails Pad.

Completion Phase

- Tier IV or equivalent completions fleet
- Next Generation Flowback, flows to permanent facility equipment

Production Phase

- 3 Phase Gathering Infrastructure in-place
- Tankless location, maintenance vessel
- Air Monitoring plan