



INTERIM RECLAMATION PLAN

Submitted with Form 2A Application for

Blue 3-65 33-32-31

Plan Date: August 17, 2021

Submittal Date: September 15, 2021

Resubmitted Date: October 26, 2021

**Crestone Peak Resources' Interim Reclamation Plan was
developed in accordance with COGCC Rule 1003.**

INTERIM RECLAMATION PLAN

Operator Location Name	BLUE 3-65 33-32-31 1BH, 2AH, 2BH, 3AH, 3BH, 4AH, & 4BH
Legal Description	NWSW Sec. 34, T3S, R65W, 6TH P.M.
Coordinates (Lat/Long)	39.746214 / -104.657717
County	ADAMS

Introduction

This site-specific interim reclamation plan (Plan) was prepared by Confluence Compliance Companies, LLC (Confluence) to support Crestone Peak Resources Operating, LLC (Crestone) Form 2A oil and gas permitting efforts on the above referenced project site (Location). The Plan includes a description of the Location, the interim reclamation procedure and monitoring plan, a management strategy for undesirable plant species and noxious weeds, and a list of interim reclamation best management practices (BMPs).

Location

Site Description

The Location is within Ecological Site R067BY002CO - Loamy Plains in Adams County on private land historically utilized as dryland cropland. The Location has a pre-disturbance elevation of 5,601 feet above sea level, receives an average of approximately 15.5 inches of precipitation annually, and has 0-3% slopes with a northeasterly aspect and surface flow direction. The nearest Receiving Water is Box Elder Creek, located approximately 3.1 mile to the east. Pre-existing drainages are present in the northeast section of the Location.

In preparation for drilling and well completions operations, Crestone proposes to disturb 15.496 acres of surface to construct the well pad and associated rights-of-way (ROW). Of this total, 9.285 acres will be stabilized for the production phase of operation while 6.211 acres will be interim reclaimed for long-term operation of the Location.

Soil Description

The Location spans two Soil Mapping Units, including Platner loam and Adena-Colby association, which are described as follows.

Platner loam Unit

- The A horizon is typically a loam soil texture.
- The B horizon ranges from clay and clay loam to sandy clay loam textures.
- These soils are well drained with a medium runoff class and moderate available water capacity.
- Depth to a restrictive feature or water table is more than 80 inches.
- Soils are nonsaline with a maximum calcium carbonate content of 15%.

Adena-Colby association Unit

- The A horizon is typically a loam soil texture.
- The B horizon ranges from silty clay loam to silt loam.
- These soils are well drained with a low runoff class and high available water capacity.
- Soils have a maximum calcium carbonate content of 15%.
- Depth to a restrictive feature or water table is more than 80 inches.

Pre-Disturbance/Reference Area Vegetation

The Location is within property historically utilized as non-irrigated cropland. The property is not currently cultivated and has been fallow for greater than two growing seasons. Current vegetation cover within the planned disturbance boundary is predominately non-native forbs and noxious weeds, including Prickly Lettuce (*L. serriola*), Downy brome (*B. tectorum*), Common mullein (*V. thapsus*), and Canada Thistle (*C. arvense*). Total foliar cover of these species exceeds 90%. The reference area is south of the Location, has similar vegetation cover, soils, slope, aspect, and historical land use.

Reclamation Procedures

The following procedures detail site-specific interim reclamation best management practices (BMPs) that will be implemented following drilling and construction operations. Reclamation will be completed by Crestone's construction and reclamation team utilizing standard operating procedures and BMPs that are reflective of site-specific conditions, existing agreements, and local government requirements and recommendations. Any deviation from these procedures will be coordinated with Crestone's Civil Inspector and if necessary, with local governments, regulatory agencies, and the surface owner.

Access Road and Gathering Lines

The Location access road will be constructed in the northeast corner of the property and will expand upon a preexisting road used for the adjacent Mustang Compressor Station. All flowline disturbances will be incorporated into the graveled working surface of the Location for long-term operation. All gathering line disturbances, as well as the access road following width reduction, will be reclaimed per the Reclamation Procedure described below.

Removal of Debris and Management of Waste Materials

All non-exploration and production (E&P) waste, drill cuttings and fluids, waste material, and debris will be removed, as detailed in the associated Rule 304.c.(11) Waste Management Plan. Following drilling and well completion operations, all cellars, rat holes, and other boreholes will be backfilled.



Pad Size Reduction

During the first favorable season within six months after the wells are completed for production, gravel/road base will be removed from the drilling and construction footprint and the pad area reduced to the size necessary for long-term operation of the Location.

Recontouring and Subsoil Preparation

After gravel and road base removal, fill slopes will be constructed along the north, east, and west pad working surface perimeters and subsoils throughout the interim reclamation area will be cross-ripped to a depth of 18 inches to alleviate compaction and promote root growth. A containment and visual screening soil berm will be constructed along the south perimeter of the well pad working surface. The berm is to be 8 feet high with slopes no greater than 4:1. The berm will be constructed with topsoil for long-term storage. Recontouring will occur to replace soils beyond the berm to their original relative positions and level ripped soils.

Recontouring will include all edges of the disturbance to ensure the reclamation surface matches pre-disturbance grade. Any preexisting topographic features will be reestablished, and subsoils will be packed to ensure proper density for root establishment prior to topsoil application. Topsoil will not be comingled with subsoil materials during recontouring and subsoil preparation operations.

Seedbed Preparation

Salvaged topsoil will be redistributed throughout the interim reclamation area to the depth of pre-disturbance conditions and final contouring will occur to match pre-disturbance topography. Seedbed preparation will proceed via disking to ensure that proper grade, soil texture and bulk density is achieved to prepare the seedbed for seeding operations and mulch application.

Broadcast Seeding and Soil Amendments

The selected seed mix for the Location is the Loamy Plains Seed Mix, detailed in the Seed Mix Table below. The seed mix will be applied at the rate specified below or at the rate specified by the seed supplier.



Seed Mix Table – Loamy Plains Seed Mix

Common Name	Scientific Name	Variety	% Of Seeds/square foot	Live Seeds/ Square Foot	lb. PLS/Acre
Buffalograss	<i>Bouteloua dactyloides</i>	Cody or Bison	3%	1.35	1.05
Blue Grama	<i>Bouteloua gracilis</i>	Bad River or Birdseye	25%	11.25	0.59
Blue Grama	<i>Bouteloua gracilis</i>	Alma	5%	2.25	0.12
Italian (Annual) Rye	<i>Lolium multiflorum</i>	Stryker	15%	6.75	1.3
Green Needlegrass	<i>Nasella viridula</i>	LoDorm	14%	6.3	1.52
Slender Wheatgrass	<i>Elymus trachycaulus</i>	San Luis or Revenue	10%	4.5	1.23
Western Wheatgrass	<i>Pascopyrum smithii</i>	Arriba	25%	11.25	4.46
Sand Dropseed	<i>Sporobolus cryptandrus</i>	VNS	3%	1.35	0.01
Total (Drill Rate)			100%	45	10.28

Note: The seed mix may be adjusted based on seed availability, seeding dates, or other variables.

The following amendments will be applied throughout the interim reclamation area:

- 1000 lbs. per acre of Mesa Verde brand humates.
- 500 lbs. per acre of Richlawn 3-6-3 organic fertilizer with mycorrhizae and humates.

The seed mix and amendments specified above will either be broadcast throughout the screening berm and interim reclamation area or applied using a hydroseeder machine. Broadcast seeding rates will be 150% of the specified drill rate. Seed will be covered to a maximum depth of 0.25 inches by harrowing, drag bar, or roller. Seed and soil amendments will not be tilled into the soil profile.

Drill Seeding and Mulching

Seed application will be completed within 24 hours of seedbed preparation, weather permitting. The above seed mix will be drill seeded throughout the screening berm and interim reclamation area at 60° southwest to northeast to a minimum depth of 0.25" and maximum depth of 0.5". Multiple passes will be completed along any narrow linear disturbances (access road, etc.) to reduce drill spacing and promote density. All seed will be certified weed free and pure live seed (PLS) rated per federal, state, county, and municipal standards.

Certified weed free grass or wheat origin straw mulch will be uniformly applied at rate of 2,000 lbs./ per acre to cover 100% of the seed bed. Mulch will be properly anchored to the soil surface using a commercial straw crimper with a final orientation north to south on slopes less than 8% and on contour on greater slopes. Hydraulically applied tackifier/Ecomatrix BFM will be applied at a rate of 1,000 lbs./ per acre to sufficiently secure straw mulch through the first growing season on all slopes greater than 8%.



Erosion Control

Mulch and tackifier will be applied to stabilize soils, prevent erosion, and increase moisture retention to promote seed germination and establishment. If erosion channels form within the interim reclamation area, additional erosion control measures will be deployed.

Fencing

Wildlife fencing with a height of 4 feet will be installed along the outer perimeter of the disturbance area during drilling and construction phases of operation. During interim reclamation operations, wildlife fencing along the southern perimeter will be moved north to the southern toe of the visual screening berm. At this time, privacy fencing with a height of 8 feet will be installed around the working surface perimeter.

Reclamation Monitoring Plan

The reclamation area will be routinely monitored for the establishment of seeded grasses, undesirable weeds, and noxious weeds by Crestone personnel and contractors during normal operations and during scheduled stormwater inspections. When the reclamation area vegetation achieves 70% of reference area cover required by the CDPHE General Construction Stormwater Permit final stabilization requirement, and no current erosion concerns are identified, formally documented stormwater inspections will cease, though informal stormwater inspections will continue throughout the life of the Location.

Following stormwater permit closure, the Location will be incorporated into Crestone's long term reclamation monitoring program. During this phase, Crestone personnel will continue routine monitoring and reclamation assessments will be conducted during the growing season. Any identified maintenance tasks relating to revegetation success, soil degradation/erosion, or weed establishment will be coordinated and completed by Crestone. Annual monitoring will continue until seeded areas establish uniform cover of native vegetation of at least 80% of pre-disturbance or reference area levels. An interim reclamation completion notice will be submitted via a Sundry Notice (Form 4) with associated photos and descriptions of reclamation procedures. The interim reclaim will continue to be monitored by Crestone throughout the life of the Location.

Invasive and Noxious Weed Management

Weeds will be mitigated on an as-needed basis via mowing operations when the height of weeds exceeds 6 inches or before seed development. Herbicide applications will be utilized as needed to treat prostrate, low growing, or perennial noxious weed species for which mowing methods are ineffective. Herbicide applications will be spot-specific and only broadleaf herbicides will be deployed.

This Plan summarizes interim reclamation standard operating procedures as well as information relevant to the reclamation project acquired from publicly available databases and records analyzed by Confluence Compliance Companies, LLC. For additional information please contact Adam Roll, Project Scientist, at (970) 589-6111 or adam.roll@confluence-cc.com.



Site-Specific Interim Reclamation Best Management Practices (BMPs)

Landscape Evaluation and Description

- The surface water flow direction is to the northeast.
- Pre-existing drainages are present in the northeast section of the Location.
- The nearest receiving water is Box Elder Creek, located approximately 3.1 mile to the east. Box Elder Creek is a tributary to the South Platte River.

Erosion Control Measure Deployment

- Seeding and mulch application will be completed within 24 hours of seedbed preparation, weather permitting.
- The seed mix will be broadcasted and drill seeded throughout the interim reclamation area.
- All seed will be certified weed free and pure live seed (PLS) rated per federal, state, county, and municipal standards.
- Certified weed free grass or wheat origin straw mulch will be uniformly applied at rate of 2,000 lbs./ per acre to cover 100% of the seed bed.
- Mulch will be properly anchored to the soil surface using a commercial straw crimper with a final orientation south to north on slopes less than 8% and on contour on greater slopes.
- Hydraulically applied tackifier/Ecomatrix BFM will be applied at a rate of 1,000 lbs./ per acre to sufficiently secure straw mulch through the first growing season on slopes greater than 8%, stabilize soils and increase moisture retention, promote seed germination and establishment, and assist in erosion prevention.

Soil Management and Placement

- Topsoil horizon depth will be identified based on changes in physical characteristics.
- Topsoil will be separated from the disturbance area to the depth of the topsoil horizon.
- Salvaged topsoil will be stockpiled, seeded with cover crop grasses, and the location marked or documented.
- Topsoil will not be comingled with subsoil materials during recontouring and subsoil preparation operations.

Grading

- The grade of the interim reclamation area is between 0-3 percent.
- The surface elevation will be returned as close to the original relative position and contour as practicable during pad size reduction and grading operations.

Seeding Method

- Seeding will be completed with broadcast and drill methods.



Weed Management

- Certified weed free grass or wheat origin straw will be utilized for mulching operations.
- Mowing operations will be commenced when the height of weeds exceeds 6 inches or before seed development.
- Herbicide applications will be utilized as needed to treat prostrate, low growing, or perennial noxious weed species for which mowing methods are ineffective.
- Herbicide applications will be spot-specific and only broadleaf herbicides will be deployed.

Pre-Disturbance Landscape Assessment

- A landscape assessment will be conducted prior to ground disturbance to ensure that the recontoured reclamation surface matches pre-disturbance grade and topography.
- Any preexisting drainage features will be reestablished during recontouring.

Site-Specific Seed Mix

- Reseeding will be completed with species consistent with the adjacent plant community.
- The selected seed mix and rate for this location is the Loamy Plains Seed Mix (see Seed Mix Table above).
- Crestone will consult with the surface owner regarding the planned seed mix.
- Seeding will occur throughout the interim reclamation area, the screening berms, and at least 5 feet into the adjacent landscape.

Fence Installation

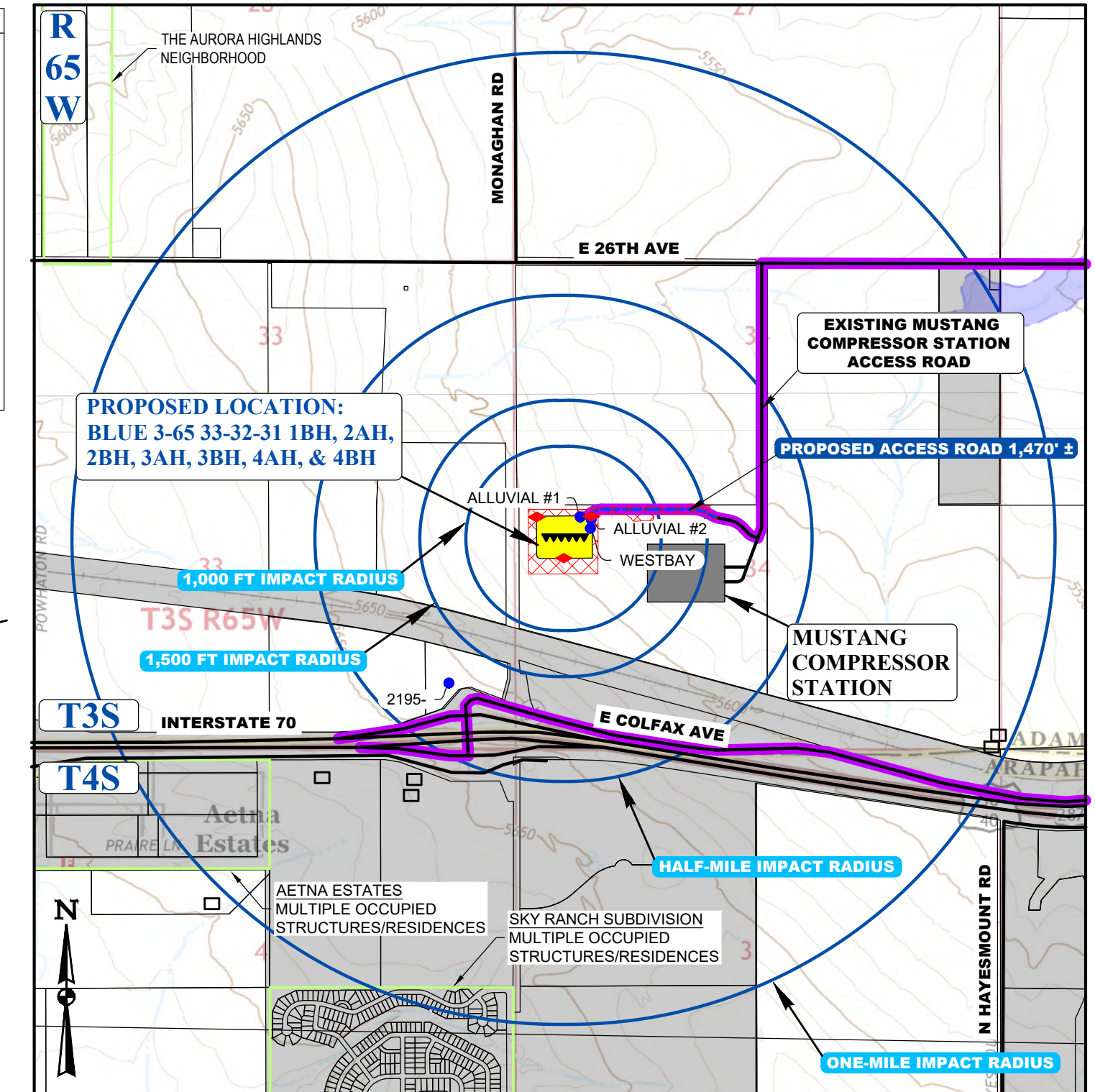
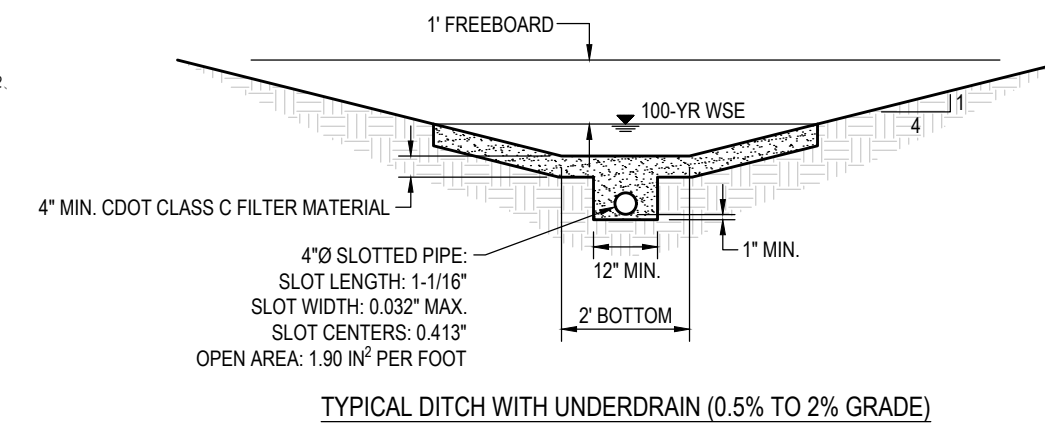
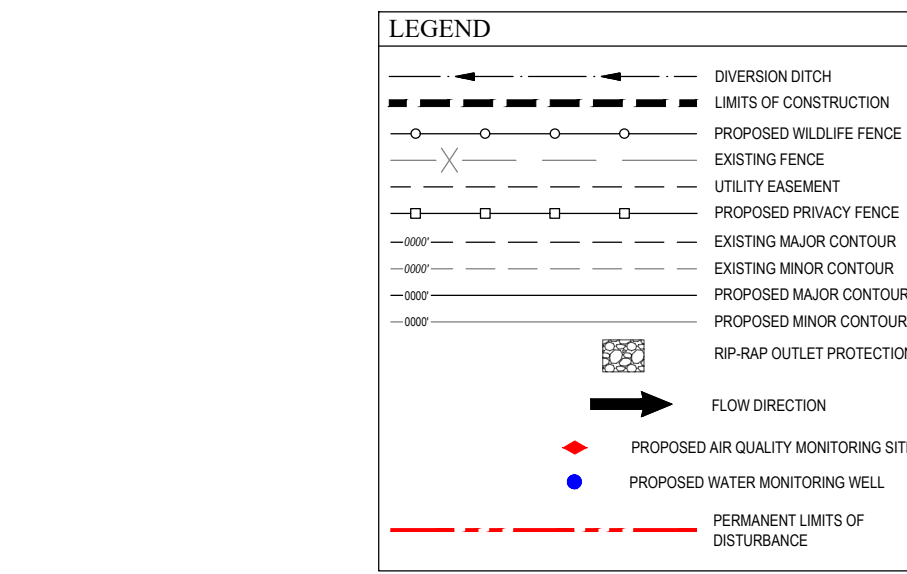
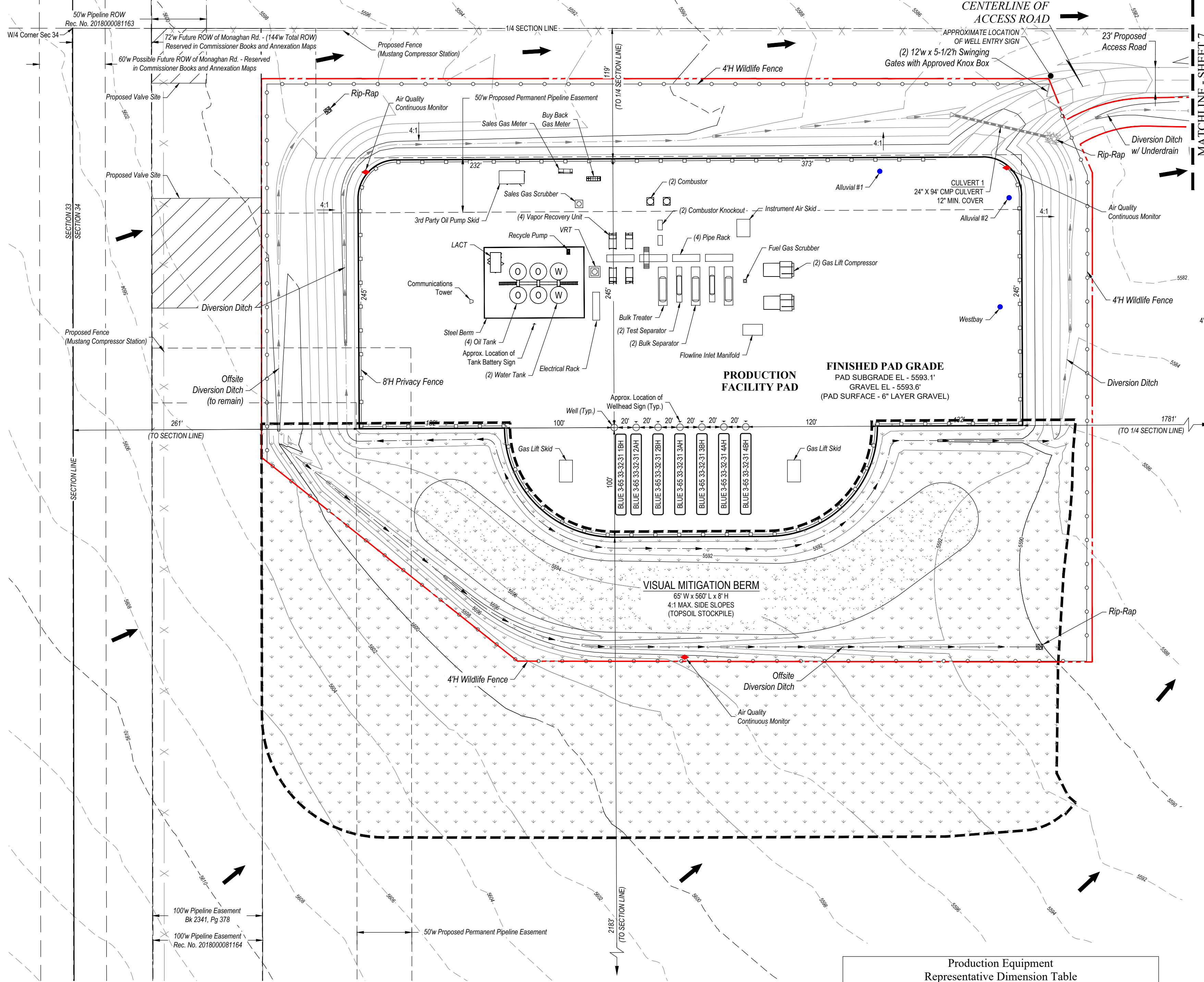
- A 4-foot-tall wildlife fence will be installed to mitigate wildlife access to the interim reclamation area.
- An 8-foot-tall privacy fence will be installed around the pad working surface to prevent the public and wildlife from entering the Location.



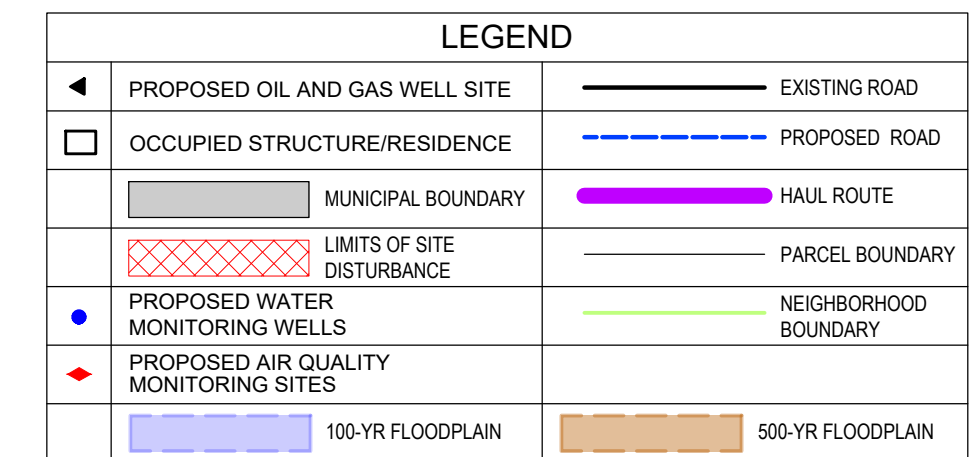
BLUE 3-65 33-32-31 (FKA BLUE 3-65 32-33 SOUTH) 1BH, 2AH, 2BH, 3AH, 3BH, 4AH, & 4BH OIL & GAS WELL PERMIT

NW/4 SW/4 SECTION 34, TOWNSHIP 3 SOUTH, RANGE 65 WEST, OF THE 6TH PRINCIPAL MERIDIAN
28250 E. 26TH AVE., CITY OF AURORA, COUNTY OF ADAMS, STATE OF COLORADO

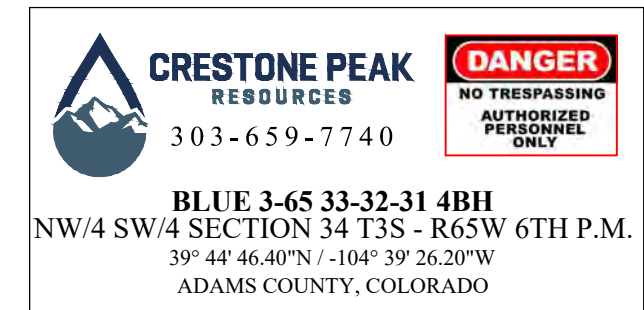
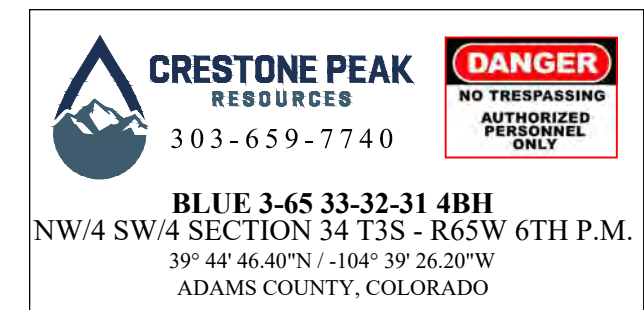
CRESTONE PEAK RESOURCES OPERATING, LLC
BLUE 3-65 33-32-31 (FKA BLUE 3-65 32-33 SOUTH) 1BH, 2AH, 2BH, 3AH, 3BH, 4AH, & 4BH
SITE PLAN
NW 1/4 SW 1/4 SEC. 34, T3S, R65W, 6TH P.M.
28250 E. 26TH AVE.
CITY OF AURORA, ADAMS COUNTY, COLORADO



CONTEXT MAP
SCALE: 1" = 1,500'

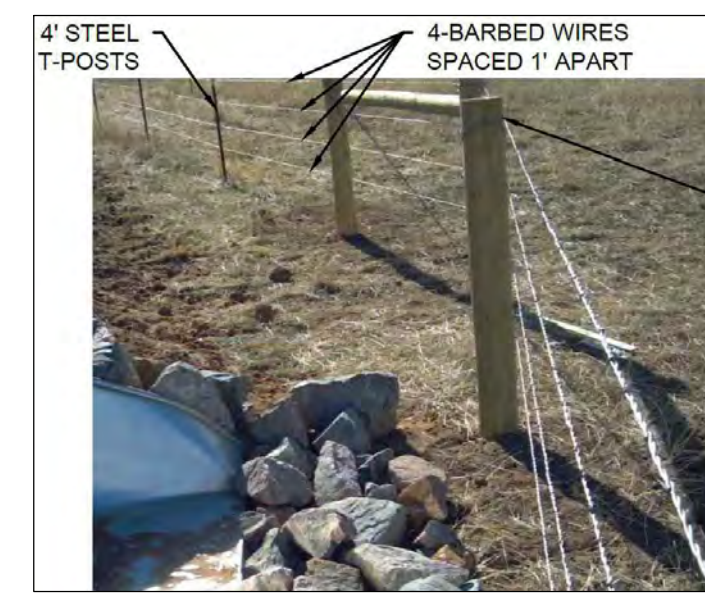


SIGNAGE:



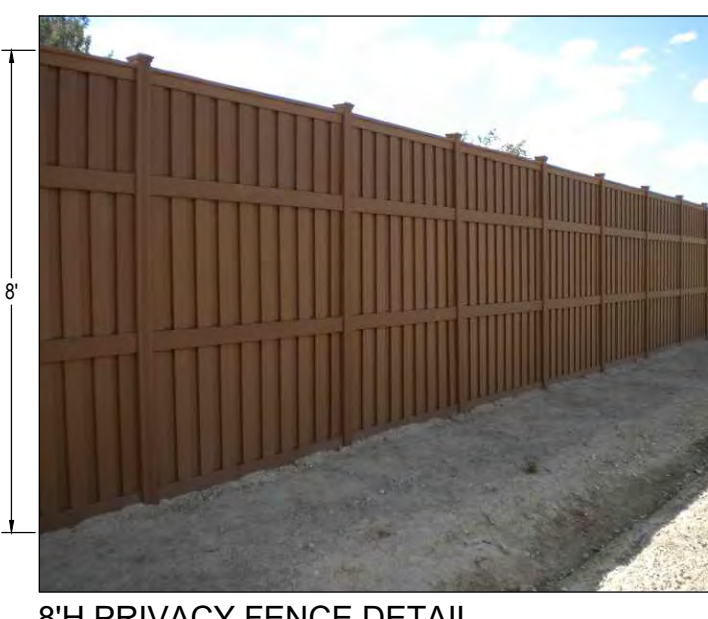
INTERIM RECLAMATION SITE PLAN

SCALE: 1" = 60'
60' 30' 0'
1" = 60'
SCALE

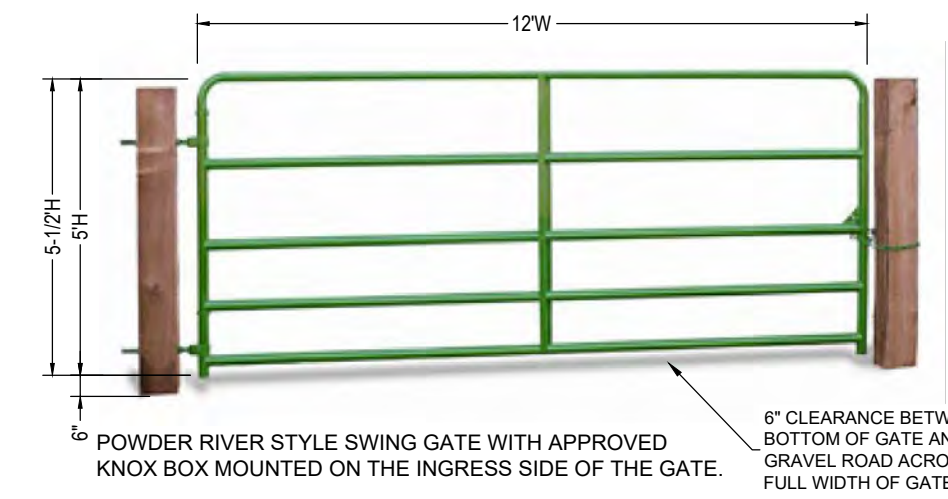


Production Equipment Representative Dimension Table				
Equipment	Quantity	Length (ft/in)	Width (ft/in)	Height (ft/in)
Flowline Inlet Manifold	1	25	4	8
Bulk Separator	2	35	8	18
Bulk Treater	1	35	8	18
Test Separator	2	32	5	18
Gas Buyback Meter	1	15	7	9
Gas Lift Compressor	2	39	29	21
Combustor Knockout	2	13	4	10
Combustor	2	8	4	35
Instrument Air Skid	1	22	10	12
Electrical Rack	1	25	4	6
VRU	4	15	7	8
VRT	1	4	4	37
500 bbl Low-Profile Oil Tank	4	16	16	16
500 bbl Low-Profile Water Tank	2	16	16	16
Recycle Pump	1	3	2	5
LACT	1	18	11	11
Sales Gas Meter	1	15	7	9
Sales Gas Scrubber	1	4	4	10
Gas Lift Skid	2	16	7	9
Pipe Rack	4	25	7	6
3rd Party Oil Pump Skid	1	23	10	11
Fuel Gas Scrubber	1	7	7	10
Communications Tower	1	4	4	35

NOTE: Dimensions on equipment are subject to change, but will fit within the facility area.



8H PRIVACY FENCE DETAIL
(TREX SADDLE COLORED 8' FENCE, OR SIMILAR)



DISCLAIMER:
THIS PLOT DOES NOT REPRESENT A MONUMENTED LAND SURVEY AND SHOULD NOT BE RELIED UPON TO DETERMINE BOUNDARY LINES. PROPERTY OWNERSHIP OR OTHER PROPERTY INTERESTS, PARCEL LINES, IF DEPICTED, HAVE NOT BEEN VERIFIED AND MAY BE BASED UPON PUBLICLY AVAILABLE DATA THAT ALSO HAS NOT BEEN INDEPENDENTLY VERIFIED.

NOTE: EXISTING TOPOGRAPHY INFORMATION WAS COLLECTED BY UINTAH ENGINEERING & LAND SURVEYING ON 07-24-2019.

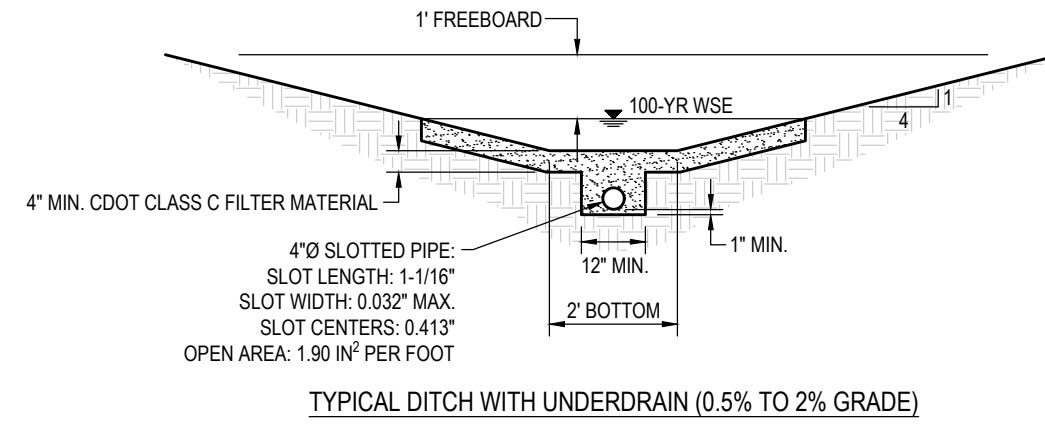
SURVEY BENCHMARK
COA ID: 3565285E001
DESCRIPTION: 3" DIAM BRASS CAP (STAMPED COA BM E-120A)
ATOP A 30' LONG STL PIPE IN CONC. @ COR. OF E. 26TH AVE.
(PAVED) IN MONAGHAN RD., BEING 1FT. N.W. OF PWR. POLE
HAVING A STOP SIGN ON IT.
LATITUDE: 39° 40' 16.16758" N
LONGITUDE: 104° 39' 33.95273" W (NAD 83)
ELEV: 5584.96 (NAVD 88)
*DO NOT USE FOR PAD LOCATION.

INTERIM RECLAMATION SITE PLAN

SCALE: AS NOTED
DRAWN BY: C.D.C.
DATE DRAWN: 02-17-2021
UELS FILE NO.: C - 7 2 5 9
PROJ. NO.: CRE03-20-0039 WD1
FILE: 2 5 5 0 2

SHEET
6

NW/4 SW/4 SECTION 34, TOWNSHIP 3 SOUTH, RANGE 65 WEST, OF THE 6TH PRINCIPAL MERIDIAN
28250 E. 26TH AVE., CITY OF AURORA, COUNTY OF ADAMS, STATE OF COLORADO



LEGEND			
◀	PROPOSED OIL AND GAS WELL SITE	—————	EXISTING ROAD
□	OCCUPIED STRUCTURE/RESIDENCE	- - - - -	PROPOSED ROAD
	MUNICIPAL BOUNDARY	—————	HAUL ROUTE
⊗	LIMITS OF SITE DISTURBANCE	—————	PARCEL BOUNDARY
●	PROPOSED WATER MONITORING WELLS	—————	NEIGHBORHOOD BOUNDARY
◆	PROPOSED AIR QUALITY MONITORING SITES		
	100-YR FLOODPLAIN		500-YR FLOODPLAIN

ENTRY SIGN TO BE PLACED AT TANK BATTERY
SIZE: 3' X 3'

SURVEY BENCHMARK
COA ID: 3S65280E01 DESCRIPTION: 3" DIAM. BRASS CAP (STAMPED COA BM, E-1204) AT 30' LONG ST. PIPE IN CONC. @ COR. OF E. 26TH AVE. (PAVED) & MONAGHAN RD., BEING 1FT. N.W. OF PWR. POLE HAVING A STOP SIGN ON IT. LATITUDE: 39° 45' 16.16759" N LONGITUDE: 104° 39' 33.95273" W (NAD 83) ELEV: 5584.96' (NAVD 88) DO NOT USE FOR PAD LOCATION.

CRESTONE PEAK RESOURCES OPERATING, LLC
BLUE 3-65 33-32-31 (FKA BLUE 3-65 32-33 SOUTH) 1BH, 2AH, 2BH, 3AH, 3BH, 4AH, & 4BH
SITE PLAN
NW 1/4 SW 1/4 SEC. 34, T3S, R65W, 6TH P.M.
28250 E. 26TH AVE.
CITY OF AURORA, ADAMS COUNTY, COLORADO

[illegible]

RESPONSIBLE ENGINEER:

INTERIM RECLAMATION SI PLAN

SCALE: AS NOTED
DRAWN BY: C.D.C.
DATE DRAWN: 02-17-2021
SHEETS FILE NO.: C - 7 2 5 9
PROJ. NO: CRE03-20-0039 WDI
FILE: 2 5 5 0 2

SHEET