

INTERIM RECLAMATION PLAN

Crestone Peak Resources Operating LLC Bijou 3-65 19-24 North Pad

Location:

**SE ¼ NW ¼ SECTION 21, TOWNSHIP 3 SOUTH, RANGE 65 WEST, 6TH P.M.
ADAMS COUNTY, COLORADO**

Prepared For:

Crestone Peak Resources Operating LLC

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I. INTRODUCTION

This Interim Reclamation Plan (Plan) is being prepared for the Crestone Peak Resources LLC's Bijou 3-65 19-24 North Pad (Site). The purpose of this report is to develop a site-specific plan using Best Management Practices (BMPs) for operations during site construction and interim reclamation, as well as plans for reclamation monitoring and invasive/noxious weed management. This Plan shall comply with the Colorado Energy & Carbon Management Commission (ECMC) Rule 1003 and Rule 304.c.(16), and will accompany Form 2A.

II. GENERAL LOCATION AND DESCRIPTION

A. SITE DESCRIPTION

The Site is located on a 503-acre parcel of land owned by Aurora Tech Center Development in the SE ¼ NW ¼ of Section 21, Township 3 South, Range 65 West, 6th P.M. The Site is located approximately 0.45 miles west of the intersection between the proposed access road and E. 38th Avenue. The parcel is zoned agriculture and the existing land-use is grazing land agricultural and the existing land-use is cropland-agricultural. The parcel currently has a mass grading plan which the site has been designed from. The mass grading plan has pre-planned to place topsoil and spoils stockpiles for this site. The region receives an average of approximately 15 inches of annual precipitation. The Site is within three Ecological Site (R067BY002CO – Loamy Plains, R067BY024CO – Sandy Plains, R072XY100KS – Loamy Tableland) in Adams County, Colorado. The existing landscape could be characterized as dryland crop production.

The Site will be constructed in one phase by grading a 525' x 625' sloped pad in support of drilling twelve (12) proposed oil and gas wells. The total oil and gas location area for the Site is 20.00-acres. After drilling operations are completed, 11.64-acres will be interim reclaimed and returned to natural contours, or as close as possible, and 8.36-acres will remain un-reclaimed as graveled and stabilized areas to support the long-term production operations.

There will be two (2) topsoil stockpiles during the construction phase and one (1) topsoil stockpile will remain after the interim reclamation phase is completed. During the construction phase, the existing topsoil stockpile will start along the north and west edge of the pad in the disturbance boundary. This existing topsoil stockpile will be 10-feet high with a 4:1 side slope. During the interim reclamation phase, the existing topsoil stockpile will be used for seeding and mulching surrounding the reduced working pad surface.

The second topsoil stockpile, during the construction phase, is located on the south edge of the pad. It will be 10-feet high with a 4:1 side slope. During the interim reclamation phase, a portion of this topsoil stockpile will be used for seeding and mulching. The remaining stockpile will remain along the west edge of the pad at a height of 10-feet with a 4:1 side slope.

The spoils stockpile, during the construction phase will be 10-feet high with a 4:1 side slope. This spoils stockpile will be partially used during the interim reclamation phase on the reclaimed area.

The Site has a proposed access road off towards the south edge of the pad which will connect to an existing public road East 38th Avenue. The proposed access road will have a 30-foot wide disturbance and travel 2,665-feet until it meets public road East 38th Avenue. Two culverts will be installed along the proposed access road. The first proposed culvert will be installed at the beginning of the proposed access road with dimensions of 24-

inch by 58-feet. The second proposed culvert will be installed towards the end of the proposed access road with dimensions of 24-inch by 58-feet. A gate and cattle guard will also be installed towards the end of the proposed access road. Along the west or left side of the proposed access road there will be a proposed permanent oil & gas utility easement for future development.

B. SOIL INFORMATION

Using the US Department of Agriculture's web soil survey, five (5) Soil Map Units (SMU) are represented on the Site. Map Unit Description for each soil map unit (SMU) are provided in Appendix C.

Table 1 – Soil Map Units

Map Unit Name	Hydrologic Soil Group	Percent of AOI
Adena-Colby association, gently sloping	C	84.9%
Ascalon sandy loam, 3 to 5 percent slopes	B	10.3%
Platner loam, 3 to 5 percent slopes	C	1.2%
Weld loam, 1 to 3 percent slopes	C	0.2%
Wiley-Adena-Renohill complex, 3 to 20 percent slopes	C	3.3%

These SMUs are typical of Colorado shortgrass and midgrass prairies, which are characterized by alluvial fans, hills, rolling plains, and shallow ephemeral drainages.

The soils at the project location have a K factor rating of 0.28. The K factor indicates the susceptibility of a soil to sheet and rill erosion by water and varies from 0.02 (low susceptibility) to 0.69 (high susceptibility). Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

C. PRE-DISTURBANCE / REFERENCE AREA VEGETATION

The Site has a current land use of dryland crop agricultural. Vegetation cover within the disturbance boundary is comprised mostly of western wheatgrass.

III. RECLAMATION PROCEDURE

The following procedures detail site-specific Interim Reclamation BMPs that will be implemented following construction and drilling operations, and within six months of the date of first production. Standard operating procedures based on site-specific conditions, existing agreements, and local government requirements and recommendations will be utilized. Any deviation from these procedures will be coordinated with Crestone Peak Resources LLC's reclamation team, and if necessary, with local governments, regulatory agencies, and the surface owner.

A. ACCESS ROAD AND GATHERING LINES

The Site will be accessed via a proposed access road which will meet an existing public road, East 38th Avenue, at about 2,665-feet. Site will be accessed by 30-foot wide graveled road. The proposed wells will be serviced by adding equipment and gathering lines to the production facility, and all flowline disturbances will be incorporated into the graveled working pad surface of the Site for long-term operation. Any surface disturbance associated with gathering line or access road modification will be reclaimed per the reclamation procedure.

B. REMOVAL OF DEBRIS AND MANAGEMENT OF WASTE MATERIALS

All Exploration and Production (E&P) waste, including drill cuttings and fluids, non-E&P waste, and other 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.

C. 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 construction and drilling footprint, and the pad area will be reduced to the size necessary for long-term production operations, 4.845-acres. Removed gravel/road base will either be hauled off location or used to improve existing stabilized surfaces of the Site working surface.

D. RECONTOURING AND SUBSOIL PREPARATION

After gravel/road base removal from the reclamation area, fill slopes will be pulled in from the North working surface perimeter. The reclamation area will be cross ripped to a minimum depth of 18 inches to alleviate compaction and promote root growth. Recontouring will occur to replace subsoils to their original relative positions, level, aspect, and elevation. Recontouring will include all edges of the disturbance to ensure the reclamation surface contours blend with the adjacent undisturbed reference areas.

Any pre-existing topographic and drainage features will be re-established when stockpiled subsoils are spread. Ripped subsoils will be disked to break up clods and packed to ensure proper density for root establishment prior to topsoil application. All efforts will be taken to ensure topsoil will not be commingled with subsoil materials during recontouring and subsoil preparation operations.

E. SEED BED PREPARATION

During construction, drilling, and well completion phases, topsoil will be stored in two labeled stockpiles. The first one (existing stockpile) is located in the disturbance area along the north and west edges of the site. The topsoil stockpile will be used along the west for seeding and mulching. The second topsoil stockpile located on the west disturbance boundary with a 4:1 maximum side slopes and 10-feet high will be stored for use during final reclamation. All salvaged topsoil will be redistributed throughout the interim reclamation area and final contouring will occur to match pre-disturbance topography. Seedbed preparation will proceed via disking to ensure proper grade, soil texture and bulk density is achieved to prepare the seedbed for seeding and mulching operations.

F. SEED MIX / SOIL AMENDMENTS

The proposed seed mix for the Site will be reseeded with western wheatgrass that will be applied at the rate agreed upon with the surface landowner to mimic the surrounding cropland.

G. DRILL SEEDING AND MULCHING

Seed application will be completed within 24 hours of seedbed preparation, weather permitting. If land forming and earthwork is completed outside of a desirable seeding window, seedbed preparation and subsequent seeding operations should be held until a favorable window. The above seed mix will be drill seeded throughout the 11.64-acre interim reclamation area with a North to South orientation, along topographic contours, and semi-perpendicular to prevailing winds, to prevent loss of topsoil and assist in erosion prevention. Seed depth will be

a minimum of 0.25 inches and maximum of 0.5 inches. Multiple passes will be completed along any narrow linear disturbances (access road, etc.) to reduce drill spacing and promote density. Seed and soil amendments will not be tilled into the soil profile.

Certified weed-free grass or wheat origin straw mulch will be uniformly applied at a rate of 3,000 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.

H. SITE STABILIZATION AND STORMWATER CONTROLS

Mulch will be applied to stabilize soils within the reclamation area, prevent erosion, and increase moisture retention to promote seed germination and establishment. Structural control measures (diversion ditches and sediment basins) will be removed during interim reclamation earthwork operations. If deemed necessary to prevent or minimize erosion, additional temporary or structural erosion and sediment control measures may be installed in accordance with the Site Stormwater Management Plan. Long-term stabilization will be achieved through the establishment of desirable perennial grasses. Routine stormwater monitoring will evaluate stabilized and reclaimed surfaces. If erosive features are identified, repairs will be made and additional erosion control measures may be deployed.

I. FENCING

Wildlife fencing will be installed around the Site perimeter during drill pad construction. The fence will remain during interim reclamation and production operations.

IV. RECLAMATION MONITORING PLAN

The interim reclamation area will be routinely monitored for establishment of seeded grasses and undesirable and noxious weeds by Crestone Peak Resources Operating LLC personnel and contractors during operations and scheduled stormwater inspections. When the reclamation area vegetation cover achieves 70% of reference area cover required by the CDPHE General Construction Stormwater Permit final stabilization requirement, formal stormwater inspections will cease, though informal stormwater inspections will continue throughout the life of the Location.

Following conclusion of formal stormwater inspections, the Location will be incorporated into Crestone Peak Resources LLC's long-term reclamation monitoring program. During this phase, Crestone Peak Resources LLC's personnel and contractors will continue routine monitoring and reclamation assessments. Any identified maintenance tasks relating to revegetation success, soil degradation/erosion, or weed establishment will be coordinated and completed by Crestone Peak Resources Operating LLC. When 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 Peak Resources Operating LLC throughout the life of the Site.

V. INVASIVE AND NOXIOUS WEED MANAGEMENT

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

VI. REFERENCES

1. United States Department of Agriculture. "Web Soil Survey." Soil Data Explorer, <https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx> Accessed 09/25/2023.
2. National Weather Service. NOWData "New Raymer 21N, CO, Monthly summarized data". <https://www.weather.gov/wrh/Climate?wfo=bou> Accessed 09/25/2023.
3. Project and Program Support Staff, USDA-ARS Jornada Experimental Range, USDA Natural Resources Conservation Service, and New Mexico State University. "Ecological Site Descriptions". <https://edit.jornada.nmsu.edu/catalogs/esd> Accessed 09/25/2023.
4. Colorado Department of Public Health & Environment. COR400000 Stormwater Discharge. CDPHE Home. <https://cdphe.colorado.gov/cor400000-stormwater-discharge> Accessed 09/25/2023.

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VII. APPENDIX

APPENDIX A– SITE-SPECIFIC BEST MANAGEMENT PRACTICES (BMPs)

1. Landscape Evaluation and Description

- The surface water flow direction is from south to north.
- There are two (2) pre-existing unnamed tributary drainages located within the extent of the oil & gas location boundary to the southwest and northeast of the proposed working pad surface that connects to Second Chance Creek.
- The nearest receiving water is Second Chance Creek, located approximately 800 feet west. Second Chance Creek is a tributary to the South Platte River.

2. Erosion Control Measure Deployment

- Seeding and mulch application will be completed within 24 hours of seedbed preparation, weather permitting.
- The seed mix will be 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 a rate of 3,000 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.

3. 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, determined by topsoil samples.
- Salvaged topsoil will be stockpiled, seeded, and the location marked or documented.
- All efforts will be taken to ensure topsoil will not be comingled with subsoil materials during recontouring and subsoil preparation operations.

4. Grading

- The grade of the interim reclamation area is between 0-2%.
- The surface elevation will be returned as close to the original relative position and contour as practicable during pad size reduction and grading operations.

5. Seeding Method

- Seeding will be completed with range-type drill methods.

6. 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.

7. Pre-Disturbance Landscape Assessment

- A landscape assessment will be conducted prior to ground disturbance to ensure, based on field collected topographic surveys, the recontoured reclamation surface matches pre-disturbance grade and topography.
- Any pre-existing drainage features will be reestablished during recontouring.

8. Site-Specific Seed Mix

- Reseeding will be completed with species consistent with the adjacent plant community.
- The proposed seed mix for this location is the western wheatgrass.
- Crestone Peak Resources Operating LLC will consult with the surface owner regarding the future land use and acceptability of the proposed seed mix.
- Seeding will occur throughout the interim reclamation area.

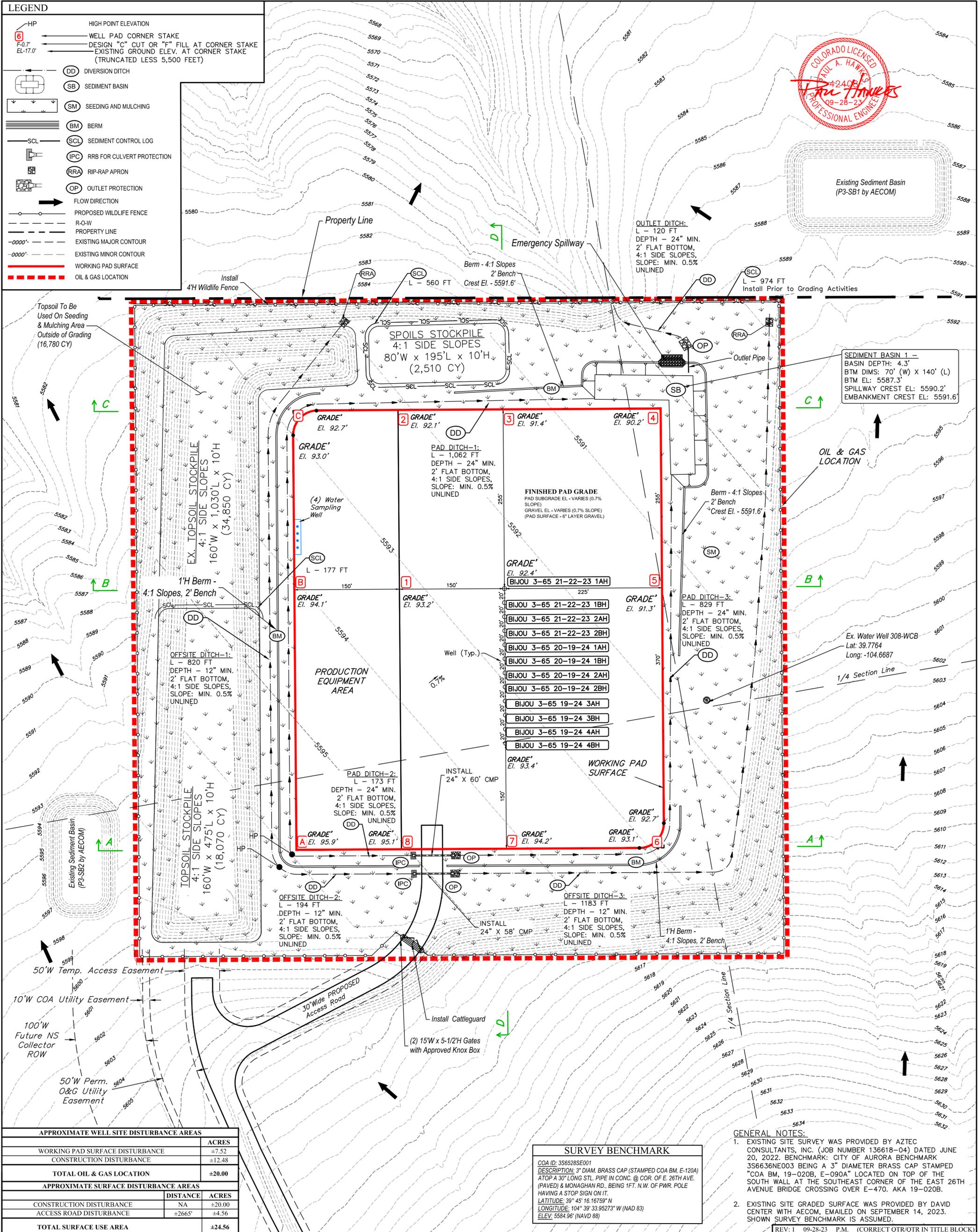
9. Fence Installation

- A wildlife fence will be maintained to mitigate wildlife and/or livestock access to the interim reclamation area.
- A 8-foot heigh privacy fence will be installed surrounding the interim reclamation area.

APPENDIX B - INTERIM RECLAMATION LAYOUT

LEGEND

- HP HIGH POINT ELEVATION
- WELL PAD CORNER STAKE
- DESIGN "C" CUT OR "F" FILL AT CORNER STAKE
- EXISTING GROUND ELEV. AT CORNER STAKE (TRUNCATED LESS 5,500 FEET)
- DD DIVERSION DITCH
- SB SEDIMENT BASIN
- SM SEEDING AND MULCHING
- BM BERM
- SCL SEDIMENT CONTROL LOG
- IPC RRB FOR CULVERT PROTECTION
- RRA RIP-RAP APRON
- OP OUTLET PROTECTION
- FLOW DIRECTION
- PROPOSED WILDLIFE FENCE
- R-O-W
- PROPERTY LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- WORKING PAD SURFACE
- OIL & GAS LOCATION



APPROXIMATE WELL SITE DISTURBANCE AREAS		
	ACRES	
WORKING PAD SURFACE DISTURBANCE	±7.52	
CONSTRUCTION DISTURBANCE	±12.48	
TOTAL OIL & GAS LOCATION	±20.00	
APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
CONSTRUCTION DISTURBANCE	NA	±20.00
ACCESS ROAD DISTURBANCE	±2665'	±4.56
TOTAL SURFACE USE AREA		±24.56

SURVEY BENCHMARK

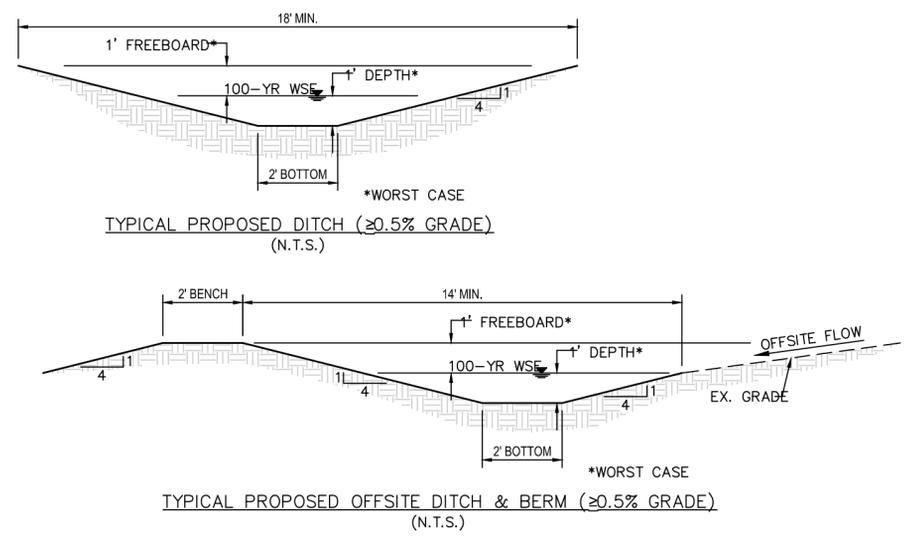
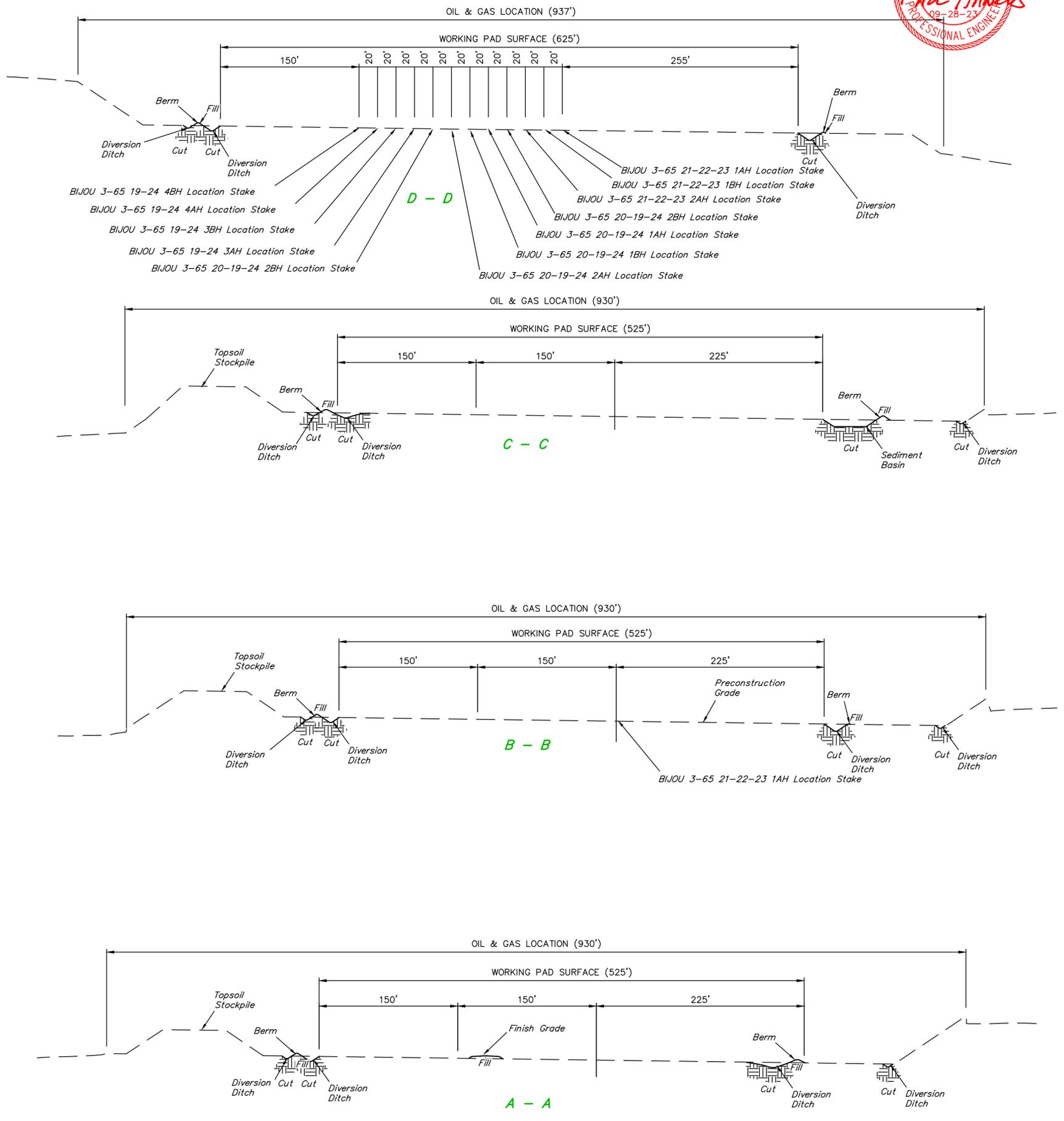
COA ID: 3S6528SE001
 DESCRIPTION: 3" DIAM. BRASS CAP (STAMPED COA BM, E-120A)
 ATOP A 30" LONG STL. PIPE IN CONC. @ COR. OF E. 26TH AVE.
 (PAVED) & MONAGHAN RD., BEING 1FT. N.W. OF PWR. POLE
 HAVING A STOP SIGN ON IT.
 LATITUDE: 39° 45' 16.16759" N
 LONGITUDE: 104° 39' 33.95273" W (NAD 83)
 ELEV: 5584.96' (NAVD 88)

- GENERAL NOTES:**
- EXISTING SITE SURVEY WAS PROVIDED BY AZTEC CONSULTANTS, INC. (JOB NUMBER 136618-04) DATED JUNE 20, 2022. BENCHMARK: CITY OF AURORA BENCHMARK 3S6636NE003 BEING A 3" DIAMETER BRASS CAP STAMPED "COA BM, 19-020B, E-090A" LOCATED ON TOP OF THE SOUTH WALL AT THE SOUTHEAST CORNER OF THE EAST 26TH AVENUE BRIDGE CROSSING OVER E-470. AKA 19-020B.
 - EXISTING SITE GRADED SURFACE WAS PROVIDED BY DAVID CENTER WITH AECOM, EMAILED ON SEPTEMBER 14, 2023. SHOWN SURVEY BENCHMARK IS ASSUMED.

- NOTES:**
- Rounded corners shown at 35' radius.
 - Contours shown at 1' intervals.
 - Cut/Fill slopes 4:1 (Typ.).
 - Overall Working Pad Surface = 625' x 525'



1" = 30'
X-Section
Scale
1" = 80'



APPROXIMATE EARTHWORK QUANTITIES	
(13") TOPSOIL STRIPPING	34,850 Cu. Yds.
WELL PAD CUT	2,410 Cu. Yds.
ACCESS ROAD CUT	50 Cu. Yds.
DITCHES & SED BASIN CUT	2,110 Cu. Yds.
TOTAL CUT	39,420 Cu. Yds.
WELL PAD FILL	1,010 Cu. Yds.
ACCESS ROAD FILL	870 Cu. Yds.
DITCHES & SED BASIN FILL	180 Cu. Yds.
TOTAL FILL	2,060 Cu. Yds.
EXCESS MATERIAL	37,360 Cu. Yds.
TOPSOIL USED	16,780 Cu. Yds.
TOPSOIL TO BE STOCKPILED	18,070 Cu. Yds.
SPOILS TO BE STOCKPILED	2,510 Cu. Yds.
GRAVEL BASE ON PAD (6")	6,050 Cu. Yds.
GRAVEL BASE ON ACC RD (6")	1,600 Cu. Yds.

APPROXIMATE WELL SITE DISTURBANCE AREAS	
WORKING PAD SURFACE DISTURBANCE	±7.52 ACRES
CONSTRUCTION DISTURBANCE	±12.48
TOTAL OIL & GAS LOCATION	±20.00

APPROXIMATE SURFACE DISTURBANCE AREAS	
CONSTRUCTION DISTURBANCE	NA ±20.00
ACCESS ROAD DISTURBANCE	±2665' ±4.56
TOTAL SURFACE USE AREA	±24.56

NOTES:

- Fill quantity includes 10% for compaction.
- Calculations based on 13" of topsoil stripping.
- Cut/Fill slopes 4:1 (Typ.).
- Round corners at 35' radius or as needed.

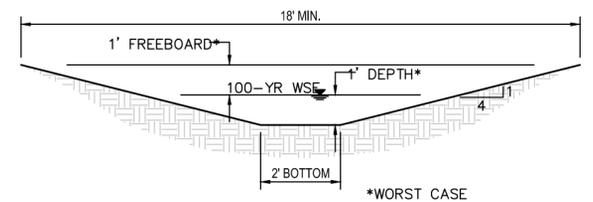
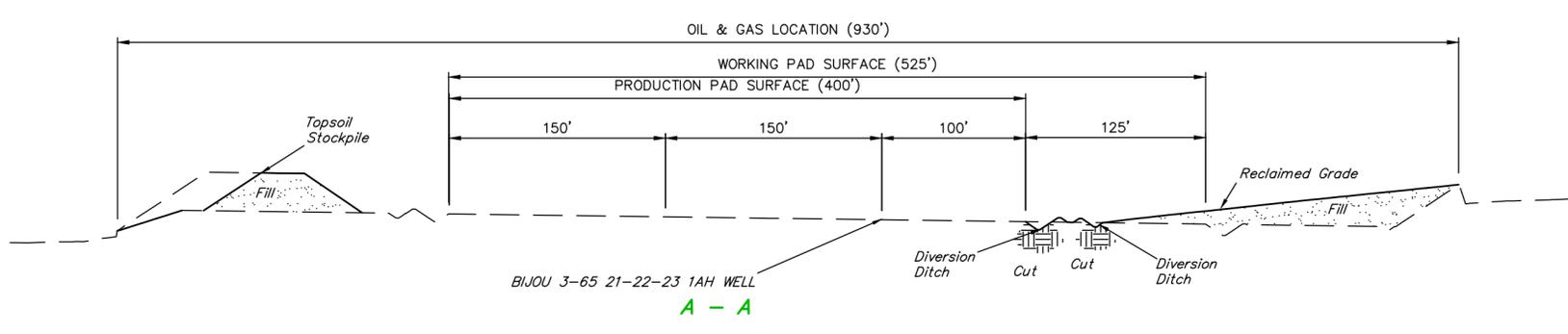
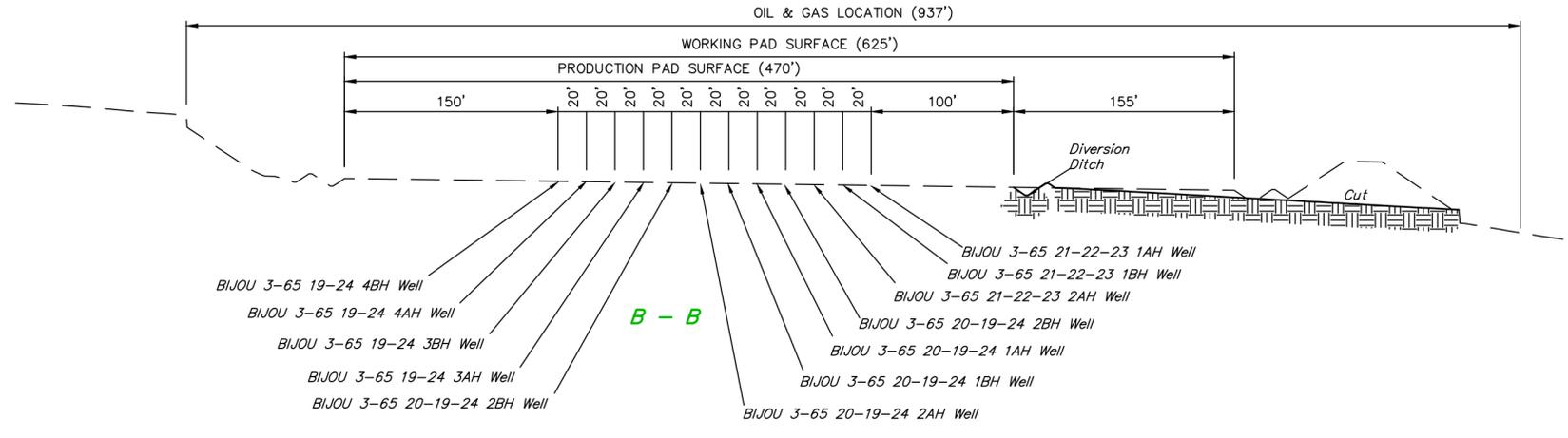
REV: 1 09-28-23 P.M. (CORRECT QTR/QTR IN TITLE BLOCK)

CRESTONE PEAK
RESOURCES OPERATING LLC
BIJOU 3-65 19-24 NORTH PAD
SE 1/4 NW 1/4, SECTION 21, T3S, R65W, 6th P.M.
ADAMS COUNTY, COLORADO

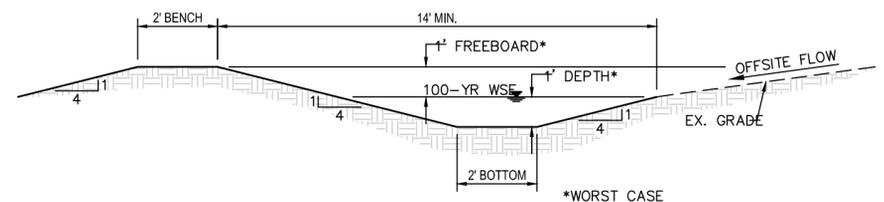
SURVEYED BY	JAYSEN CHILDERS	07-03-23	SCALE
DRAWN BY	K.C.	09-19-23	AS SHOWN

CONSTRUCTION LAYOUT - CROSS SECTIONS

X-Section Scale
1" = 30'
1" = 80'



TYPICAL PROPOSED PAD DITCH (≥0.5% GRADE)
(N.T.S.)



TYPICAL PROPOSED OFFSITE DITCH & BERM (≥0.5% GRADE)
(N.T.S.)

APPROXIMATE EARTHWORK QUANTITIES	
(13") TOPSOIL STRIPPING	0 Cu. Yds.
PAD RECLAMATION	28,660 Cu. Yds.
TOTAL CUT	25,660 Cu. Yds.
PAD RECLAIM - FILL	49,770 Cu. Yds.
SPOILS STOCKPILE MATERIAL USED	2,510 Cu. Yds.
DEFICIT MATERIAL	18,600 Cu. Yds.
TOPSOIL ON RECLAIMED PAD	6,010 Cu. Yds.

REV: 1 09-28-23 P.M. (CORRECT QTR/QTR IN TITLE BLOCK)

**CRESTONE PEAK
RESOURCES OPERATING LLC**

BIJOU 3-65 19-24 NORTH PAD
SE 1/4 NW 1/4, SECTION 21, T3S, R65W, 6th P.M.
ADAMS COUNTY, COLORADO

SURVEYED BY	JAYSEN CHILDERS	07-03-23	SCALE
DRAWN BY	K.C.	09-19-23	AS SHOWN

INTERIM RECLAMATION - CROSS SECTIONS



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017