

Anschutz State 5-62-35_36 NWSW Pad Stabilization Reclamation Plan

This plan provides the methodology that will be used to stabilize the Anschutz State 5-62-35_36 NWSW Pad for future drilling activity. The objective of stabilization is to maintain salvaged topsoil for future use and stabilize unused portions of the pad to minimize erosion from wind and water. The plan also provides for establishing a variety of vegetation that will support continued soil fertility; provide benefit to wildlife and domestic stock, and to minimize the visual impact of the location.

Figure 1 shows the layout of the pad and stabilization areas. The stabilization reclamation will take place over the non-working area of the well pad, primarily the cut and fill slopes, and topsoil and spoils storage areas. As identified on Figure 1 and detailed below, portions of the pad that will not be disturbed again after the additional wells are drilled and completed will be reclaimed to interim reclamation standards. The remainder of the pad will be treated in a manner to stabilize the soils to maximize the success of future interim reclamation.

Soil samples have been collected from various locations on this pad for agricultural analysis. Based on the results of the analysis, soil amendments may be applied to enhance the ability of the soils to initiate and sustain vegetation growth. In addition, various mulch products (e.g., wood fiber and bonded fiber matrix mulches) are currently being evaluated and may be used on areas to be seeded, particularly the northern and northwestern edges of the pad. Bill Barrett Corporation may implement some test areas on this pad where various combinations of amendments, mulch, and surface roughening will be used to evaluate which combinations will be most successful. At a minimum, certified weed free hay mulch will be applied as described below.

The existing cut slopes do not require contouring before establishing vegetation. These slopes will be roughened with a chain harrow, or equivalent technique, to provide a surface that will catch seed and precipitation. The cut slopes will be seeded by hand broadcasting using the mixture provided in Table 1. Certified weed free hay mulch will be uniformly applied at a rate of 1 ton/acre and crimped to a depth of approximately 4 inches.

The fill slope on the western edge of the pad will be recontoured to the area specified for interim reclamation for this pad. The edge of the pad will be moved east to be at least 65 feet from the existing well head and the slope will be decreased to approximately 2 to 1. This will result in excess soil that will be moved to the southern and northwestern (north edge of the pad from the pad entrance to the west) fill slopes of the pad and blended in to a uniform slope. The slope in both locations will be maintained at approximately two to one.

The western and northwestern fill slopes (identified by gray shading on Figure 1) will be surface roughened through the use of a disc, harrow or equivalent technique prior to seeding. The seed mix identified in Table 2 will be either broadcast seeded or included in hydromulch applied to these areas, as appropriate.

The fill slope on the southern edge of the pad will be roughened with a disc or harrow, or equivalent technique. The Table 1 seed mixture will be hand broadcast over the slope. Certified weed free hay mulch will be uniformly applied at a rate of 1 ton/acre and either mechanically or hand crimped to a depth of approximately 4 inches.

The topsoil stockpile in the southeast corner of the pad will be seeded in order to maintain the viability of the topsoil. The topsoil pile currently has some vegetation on it that has blown into the pile, however, the vegetation coverage is not uniform. Prior to seeding, the topsoil pile will be roughened with a disc or harrow, or equivalent technique. The topsoil stockpile will then be seeded by hand broadcasting the seed mix in Table 3. Certified weed free hay mulch will be uniformly applied at a rate of 1 ton/acre and crimped to a depth of approximately 4 inches. The exclusion fence around the topsoil stockpile will be reestablished.

The existing spoils stockpile in the northeast corner of the pad currently has fairly extensive and uniform vegetation on it and no additional work is proposed in this location.

The success of reclamation will be surveyed spring and fall and remedial efforts to address erosion, weeds, and inadequate vegetative establishment addressed. Stormwater BMPs will be constructed and maintained as described in Bill Barrett Corporation's DJ Basin Stormwater Management Plan.

Table 1 – Seed Mix for Cut Slopes and Southern Fill Slope

Type	Application Rate
Sterile Triticale (Quickguard or equivalent)	10 lbs/Acre

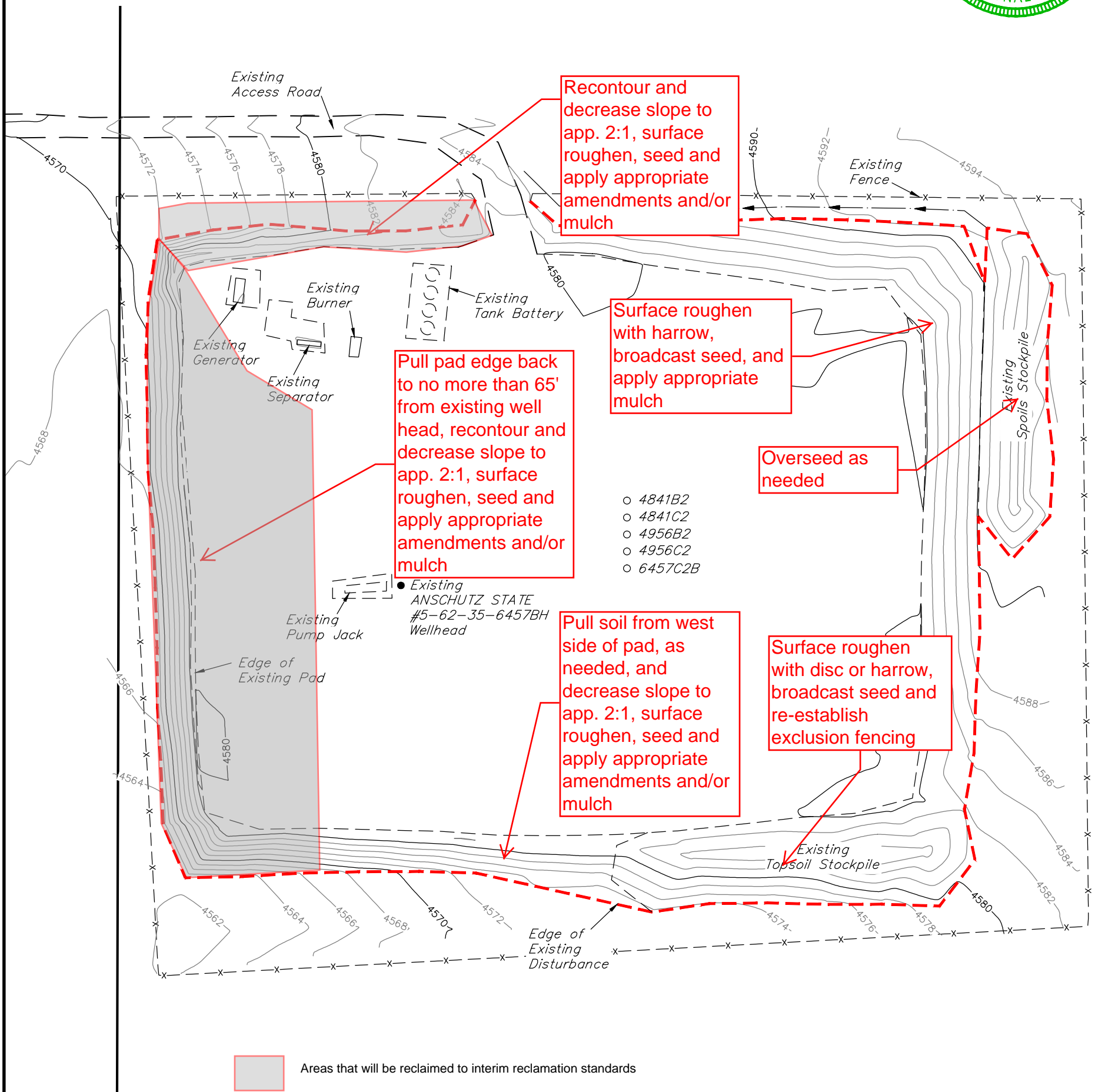
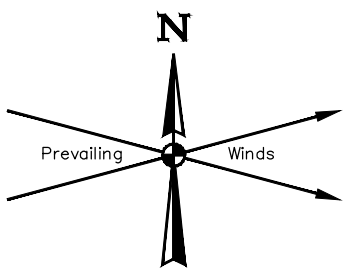
Table 2 – Seed Mix for Western and Northwestern Fill Slopes*

Type	Percent of Mix
Little Bluestem (<i>Schizachyrium scoparium</i>)	10
Indian Ricegrass (<i>Achnatherum hymenoides</i>)	10
Sideoats Grama (<i>Bouteloua curtipendula</i>)	10
Sand Lovegrass (<i>Eragrostis trichodes</i>)	5
Switchgrass (<i>Panicum virgatum</i>)	19
Sand Bluestem (<i>Andropogon hallii</i>)	5
Yellow Indiangrass (<i>Sorghastrum nutans</i>)	10
Big Bluestem (<i>Andropogon gerardii</i>)	19
Sand Dropseed (<i>Sporobolus cryptandrus</i>)	2
Western Wheatgrass (<i>Pascopyrum smithii</i>)	10

* Pawnee Butte Seed Native Sandyland Mix applied at 11 lbs/Acre

Table 3 – Seed Mix for Topsoil Stockpile

Type	Application Rate
Yellow Sweet Clover	2 lbs/Acre
Ladak Alfalfa	3 lbs/Acre
Sainfoin	1 lb/Acre
Great Basin Wildrye	½ lb/Acre
Pubescent Wheatgrass	1 lb/Acre
Strawberry Clover	½ lb/Acre



NOTES:
• Contours shown at 2' intervals.

BILL BARRETT CORPORATION

**ANSCHUTZ STATE 5-62-35 36 NWSW PAD
#5-62-35-6457C2B, 4956C2, 4956B2, 4841C2 & 4841B2
ON EXISTING ANSCHUTZ STATE #5-62-35-6457BH PAD
NW 1/4 SW 1/4 SECTION 35, T5N, R62W, 6th P.M.
WELD COUNTY, COLORADO**



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DRAWN BY: J.W.	SCALE: 1" = 100'
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FIG. 1 -STABILIZATION RECLAMATION PLAN	