




MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

| | | | |
|--|--|---|-----------------------------|
| MINE NAME: Bronco Plains Wind Farm | MINE/PROSPECTING ID#: M-2019-044 | MINERAL: Gravel | COUNTY: Cheyenne |
| INSPECTION TYPE: Surety-Related Inspection | INSPECTOR(S): Timothy Cazier | INSP. DATE: June 11, 2020 | INSP. TIME: 14:25 |
| OPERATOR: Blattner Energy, Inc. | OPERATOR REPRESENTATIVE: Christopher Bledsoe | TYPE OF OPERATION: 110c - Construction Limited Impact | |
| REASON FOR INSPECTION: Surety Related | BOND CALCULATION TYPE: Complete Bond | BOND AMOUNT: \$50,000.00 | |
| DATE OF COMPLAINT: NA | POST INSP. CONTACTS: None | JOINT INSP. AGENCY: None | |
| WEATHER: Clear | INSPECTOR'S SIGNATURE:  | SIGNATURE DATE: July 2, 2020 | |

GENERAL INSPECTION TOPICS

This list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each. No problems or possible violations were noted during the inspection. The mine operation was found to be in full compliance with Mineral Rules and Regulations of the Colorado Mined Land Reclamation Board for the Extraction of Construction Materials and/or for Hard Rock, Metal and Designated Mining Operations. Any person engaged in any mining operation shall notify the office of any failure or imminent failure, as soon as reasonably practicable after such person has knowledge of such condition or of any impoundment, embankment, or slope that poses a reasonable potential for danger to any persons or property or to the environment; or any environmental protection facility designed to contain or control chemicals or waste which are acid or toxic-forming, as identified in the permit.

| | | |
|--|--|---------------------------------|
| (AR) RECORDS----- <u>Y</u> | (FN) FINANCIAL WARRANTY----- <u>Y</u> | (RD) ROADS----- <u>Y</u> |
| (HB) HYDROLOGIC BALANCE----- <u>Y</u> | (BG) BACKFILL & GRADING----- <u>Y</u> | (EX) EXPLOSIVES----- <u>NA</u> |
| (PW) PROCESSING WASTE/TAILING---- <u>Y</u> | (SF) PROCESSING FACILITIES----- <u>Y</u> | (TS) TOPSOIL----- <u>Y</u> |
| (MP) GENL MINE PLAN COMPLIANCE- <u>Y</u> | (FW) FISH & WILDLIFE----- <u>Y</u> | (RV) REVEGETATION---- <u>Y</u> |
| (SM) SIGNS AND MARKERS----- <u>Y</u> | (SP) STORM WATER MGT PLAN---- <u>NA</u> | (RS) RECL PLAN/COMP-- <u>Y</u> |
| (ES) OVERBURDEN/DEV. WASTE----- <u>Y</u> | (SC) EROSION/SEDIMENTATION--- <u>Y</u> | (ST) STIPULATIONS----- <u>Y</u> |
| (AT) ACID OR TOXIC MATERIALS----- <u>Y</u> | (OD) OFF-SITE DAMAGE----- <u>Y</u> | |

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

OBSERVATIONS

This inspection was conducted by Tim Cazier (DRMS) as part of a surety reduction request. The Permittee (Blattner Energy) was notified of the inspection, but was unable to attend. The landowner, Mr. Christopher Bledsoe, was present for the inspection. The Bronco Plains Wind Farm site is accessed from the intersection of Cheyenne Co Rd GG (a.k.a Kit Carson Co Rd A) and Cheyenne Co Rd 6. The site entrance is approximately 0.5 miles south of this intersection and about 18 miles due south of Flagler. This is a 110c sand and gravel mine. It was not operating at the time of the inspection.

Availability of Records: Annual fees and report are not due until October 29, 2020. This was the DRMS's first inspection of this site. The approved post-mine land use is rangeland. There are no open infractions. Both the surface and minerals are privately owned.

Backfilling and Grading: Backfill and grading appeared adequate.

Excess Spoil and Dev. Waste: No overburden piles were observed.

Financial Warranty: The \$50,000 bond held by the DRMS was last updated with the permit approval in October 2019. An updated bond estimate for the remaining reclamation (the DRMS must hold a bond for revegetation until the vegetation is considered established) is enclosed as **Attachment A**. The DRMS recommends the bond be reduced to \$6,162 as calculated in the attachment.

Fish and Wildlife: No impact to wildlife was observed.

Hydrologic Balance: No standing water was observed in the pit and no exposed groundwater was observed.

Gen. Compliance with Mine Plan: The operation appeared to be in compliance with the approved mine plan. The maximum allowed disturbed area is 9.28 acres. The extent of the area (5.3 acres, see attached **Post-Inspection Map**) where seed was applied (see **Photos 1, 2 and 3**) using a drill seeder was measured using a Trimble Juno 3B handheld GPS unit during the inspection. No highwalls were observed.

Off-site Damage: The operation appeared to be confined to the permit boundary, based on Google Earth review and site observations.

Processing Waste: No processing waste was observed.

Roads: The access road (see **Photos 4 and 5**) did not appear to be significantly improved and Mr. Bledsoe stated he told Blattner Energy he did not want it reclaimed.

Right of Entry: Mr. Bledsoe confirmed the right of entry was current.

Reclamation Success: Grading appeared complete as no slopes exceeded 3H:1V, topsoil appeared to have been replaced as no topsoil stockpiles were observed and the site had been drill seeded.

Revegetation: As previously discussed, the site had been seeded. The DRMS prefers to see at least two growing seasons for revegetation prior to considering final release. In this case, not before the fall of 2021.

Sediment Control: No erosion problems were observed and no BMPs were needed at the time of the inspection.

Support Facilities On-site: No support facilities were observed at the time of the inspection.

Signs and Markers: The permit notice sign was properly posted (see **Photo 6**) and boundary markers were observed to delineate the permit boundary (see **Photo 7**).

Permit Stipulations: There are no permit stipulations.

Storm Water MGT Plan: No oil or fuel spills observed.

Summary: The DRMS recommends approval of the requested surety reduction to the amount calculated and shown in **Attachment A**. We are required to hold the current bond for 30 days in the case an appeal to the reduction request is received. You will be notified under separate cover when the decision is final.

Please contact Tim Cazier (303)866-3567 ext. 8169 or email at tim.cazier@state.co.us if you have any questions regarding this report.

PHOTOGRAPHS



Photo 1. North reclaimed and drill seeded area (looking east from NW corner).

PHOTOGRAPHS (cont.)



Photo 2. Central reclaimed and drill seeded area (looking west from east side).



Photo 3. Southeast reclaimed and drill seeded area (looking east from the center on the south side, *note mulch on ground*).

PHOTOGRAPHS (cont.)



Photo 4. Access road (looking east from entrance).



Photo 5. Access road (looking west).

PHOTOGRAPHS (cont.)

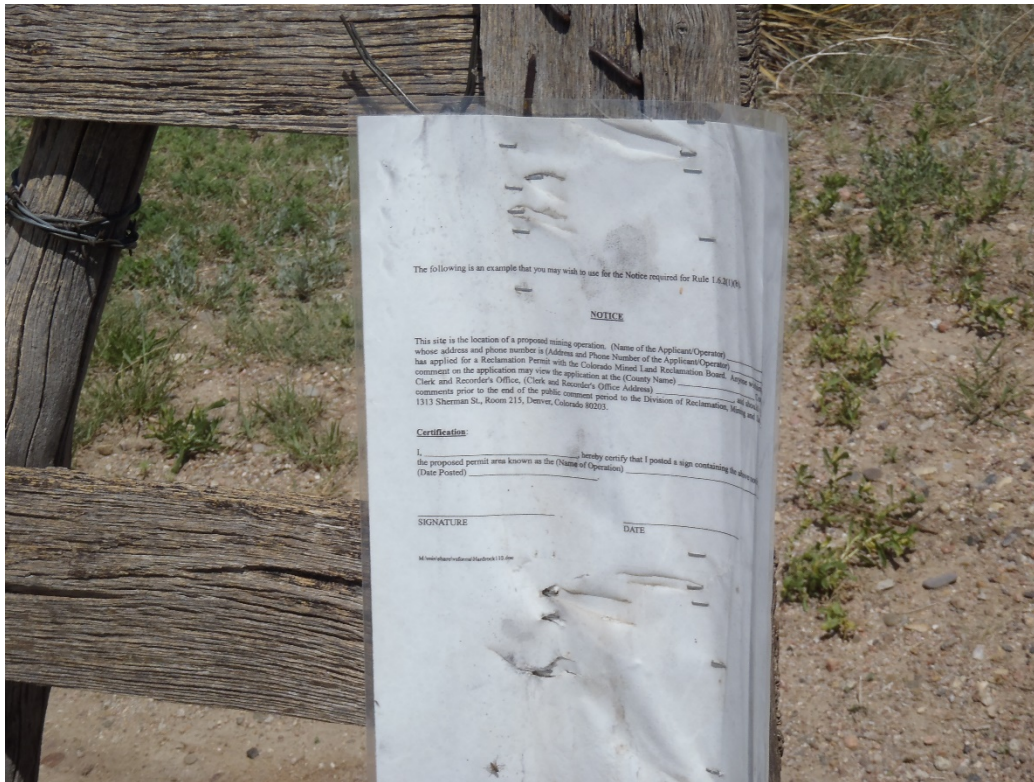


Photo 6. Permit notice sign at entrance.



Photo 7. GPS unit on top of SE corner T-post - typical (looking west).

Inspection Contact Address

Patrick Brownell
Blattner Energy, Inc.
392 County Road 50
Avon, MN 56310





Enclosures

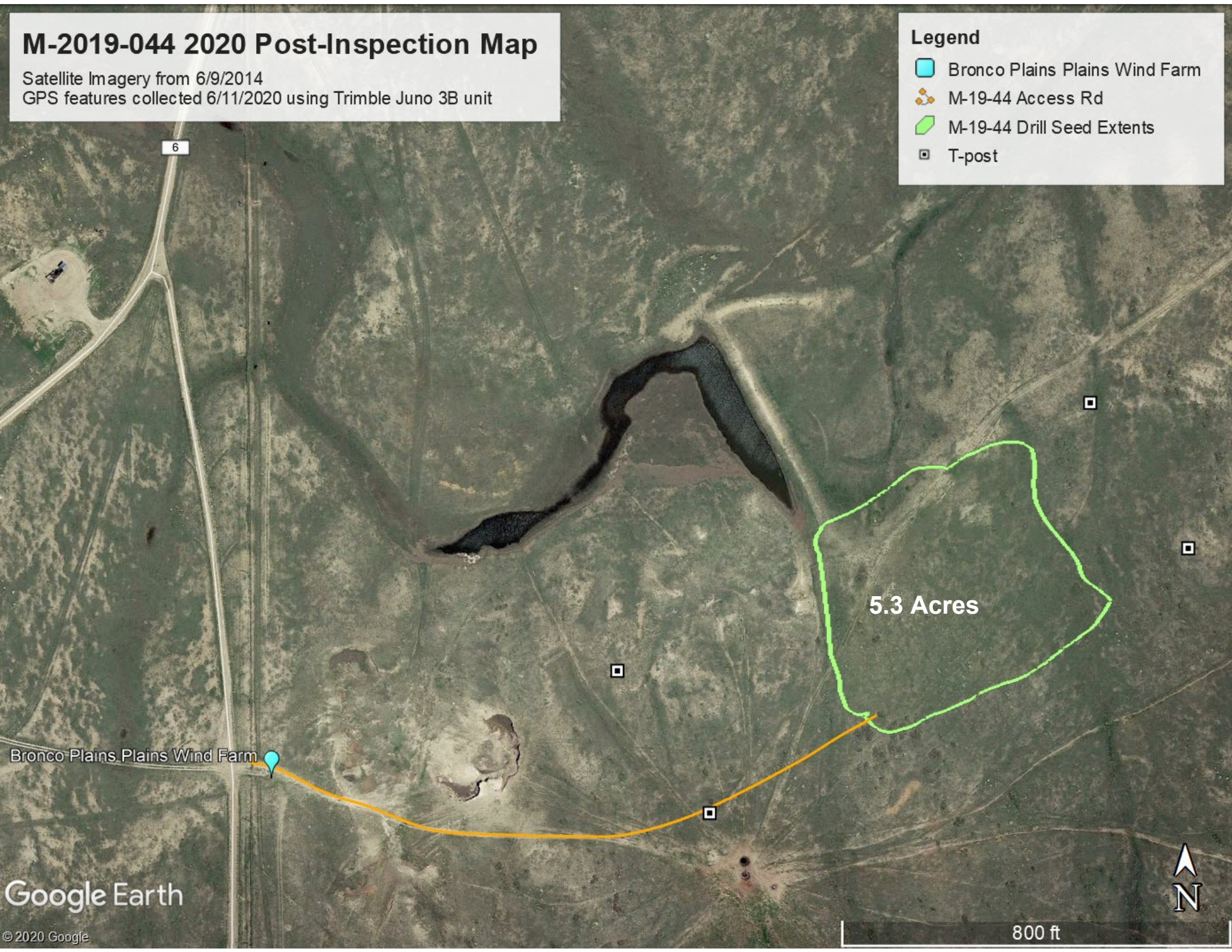
ec: DRMS file
Cole Stocker, Blattner Energy

M-2019-044 2020 Post-Inspection Map

Satellite Imagery from 6/9/2014
GPS features collected 6/11/2020 using Trimble Juno 3B unit

Legend

-  Bronco Plains Plains Wind Farm
-  M-19-44 Access Rd
-  M-19-44 Drill Seed Extents
-  T-post



Attachment A
COST SUMMARY WORK

Task description: Cost Summary

Site: Bronco Plains Wind Farm

Permit Action: SR-02

Permit/Job#: M2019044

PROJECT IDENTIFICATION

Task #: SR00

State: Colorado

Abbreviation: None

Date: 6/29/2020

County: Cheyenne

Filename: M044-SR00

User: TC1

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

| Task | Description | Form Used | Fleet Size | Task Hours | Cost |
|--------------------------|--------------------|-----------|------------|--------------|----------------|
| SR05 | mobilize equipment | MOBILIZE | 1 | 6.33 | \$993 |
| SR06 | Reveg and Mulching | REVEGE | 1 | 10.00 | \$3,494 |
| <u>SUBTOTALS:</u> | | | | 16.33 | \$4,487 |

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$91

Performance bond: 1.05

Total = \$47

Job superintendent: 8.17

Total = \$567

Profit: 10.00

Total = \$449

TOTAL O & P = \$1,153

CONTRACT AMOUNT (direct + O & P) = \$5,640

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 4.25

Total = \$240

Reclamation management and/or administration: 5.00

\$282

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$1,675

TOTAL BOND AMOUNT (direct + indirect) = \$6,162

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilize equipment**Site: **Bronco Plains Wind Farm**Permit Action: **SR-02**Permit/Job#: **M2019044****PROJECT IDENTIFICATION**Task #: **SR05**State: **Colorado**Abbreviation: **None**Date: **6/29/2020**County: **Cheyenne**Filename: **M044-SR05**User: **TC1**Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**Shift basis: **1 per day**Cost Data Source: **CRG Data**Truck Tractor Description: **GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)**Truck Trailer Description: **GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)****Cost Breakdown:**

| Available Rig Capacities | 0-25 Tons | 26-50 Tons | 51+ Tons |
|---------------------------------|------------------|-------------------|-----------------|
| Ownership Cost/Hour: | \$17.20 | \$29.63 | \$38.69 |
| Operating Cost/Hour: | \$26.56 | \$47.02 | \$55.69 |
| Operator Cost/Hour: | \$23.63 | \$23.63 | \$23.63 |
| Helper Cost/Hour: | \$0.00 | \$23.53 | \$23.53 |
| Total Unit Cost/Hour: | \$67.39 | \$123.81 | \$141.54 |

NON ROADABLE EQUIPMENT:

| Machine Description | Weight/ Unit (TONS) | Owner ship Cost/hr/ unit | Haul Rig Cost/hr/unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet | DOT Permit Cost/ fleet |
|---|---------------------------|-----------------------------|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------|
| Drill/Broadcast Seeder with Tractor | 25.00 | \$18.15 | \$67.39 | 1 | \$85.54 | \$67.39 | \$250.00 |

Subtotals: **\$85.54** **\$67.39** **\$250.00****ROADABLE EQUIPMENT:**

| Machine Description | Total Cost/hr/ unit | Fleet Size | Haul Trip Cost/hr/ fleet | Return Trip Cost/hr/ fleet |
|---------------------|------------------------|------------|-----------------------------|-------------------------------|
|---------------------|------------------------|------------|-----------------------------|-------------------------------|

Subtotals: **\$0.00** **\$0.00**

EQUIPMENT HAUL DISTANCE and Time

| | | |
|--|-----------------------|-------|
| Nearest Major City or Town within project area region: | <u>BURLINGTON, CO</u> | |
| Total one-way travel distance: | <u>60.00</u> | miles |
| Average Travel Speed: | <u>45.00</u> | mph |

| | |
|-------------------------------------|-----------------|
| Total Non-Roadable Mob/Demob Cost * | <u>\$993.35</u> |
|-------------------------------------|-----------------|

 ** two round trips with haul rig:

| | |
|----------------------------------|---------------|
| Total Roadable Mob/Demob Cost ** | <u>\$0.00</u> |
| ** one round trip, no haul rig: | |

Transportation Cycle Time:

| | Non-Roadable Equipment | Roadable Equipment |
|-------------------------|------------------------|--------------------|
| Haul Time (Hours): | <u>1.33</u> | <u>1.33</u> |
| Return Time (Hours): | <u>1.33</u> | <u>1.33</u> |
| Loading Time (Hours): | <u>0.25</u> | <u>NA</u> |
| Unloading Time (Hours): | <u>0.25</u> | <u>NA</u> |
| Subtotals: | <u>3.17</u> | <u>2.67</u> |

JOB TIME AND COST

| | | |
|-----------------|-------------|-------|
| Total job time: | <u>6.33</u> | Hours |
|-----------------|-------------|-------|

| | |
|-----------------|--------------|
| Total job cost: | <u>\$993</u> |
|-----------------|--------------|

REVEGETATION WORKTask description: Reveg and MulchingSite: Bronco Plains Wind FarmPermit Action: SR-02Permit/Job#: M2019044**PROJECT IDENTIFICATION**Task #: SR06State: ColoradoAbbreviation: NoneDate: 6/29/2020County: CheyenneFilename: M044-SR06User: TC1Agency or organization name: DRMS**FERTILIZING****Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|-------------|-----------------|------|---|---------------|
| | | | \$ | \$ |
| | | | Total Fertilizer Materials Cost/Acre | \$0.00 |

Application

| Description | Cost /Acre |
|---|---------------|
| | \$ |
| Total Fertilizer Application Cost/Acre | \$0.00 |

TILLING

| Description | Cost /Acre |
|--------------------------------|---------------|
| | \$ |
| Total Tilling Cost/Acre | \$0.00 |

SEEDING

| Seed Mix | Rate – PLS LBS / Acre | Seeds per SQ. FT | Cost /Acre |
|-----------------------------|--------------------------------|------------------------|----------------|
| Blue Grama - Hachita | 0.54 | 8.81 | \$8.63 |
| Buffalograss - Texoka | 3.20 | 3.09 | \$35.95 |
| Sideoats Grama - El Reno | 0.13 | 0.43 | \$1.09 |
| Oats - Ajay | 12.00 | 3.58 | \$3.96 |
| Triticale | 8.00 | 4.59 | \$6.00 |
| Western Wheatgrass - Arriba | 0.98 | 2.47 | \$6.37 |
| Totals Seed Mix | 24.85 | 22.97 | \$61.99 |

Application

| Description | Cost /Acre |
|---|-------------------|
| Drill Seeding (DRMS Survey Cost) | \$232.00 |
| Total Seed Application Cost/Acre | \$232.00 |

MULCHING and MISCELLANEOUS**Materials**

| Description | Units / Acre | Unit | Cost / Unit | Cost /Acre |
|---|-------------------------|-------------|--------------------|-------------------|
| Hay, delivered {MEANS 31 25 14.16 1200} | 1.00 | TON | \$295.00 | \$295.00 |
| Total Mulch Materials Cost/Acre | | | | \$295.00 |

Application

| Description | Cost /Acre |
|--|-------------------|
| Crimping, with tractor {DMG survey data} | \$70.17 |
| Total Mulch Application Cost/Acre | \$70.17 |

NURSERY STOCK PLANTING

| Common Name | No / Acre | Type and Size | Planting Cost | Fertilizer Pellet Cost | Cost /Acre |
|---|----------------------|----------------------|--------------------------|-----------------------------------|-------------------|
| | | | | | \$ |
| Totals Nursery Stock Cost / Acre | | | | | \$0.00 |

JOB TIME AND COST

No. of Acres: 5.3 Cost /Acre: \$659.16
 Estimated Failure Rate: 0% Cost /Acre*: \$0.00
 *Selected Replanting Work Items: NONE

Initial Job Cost: **\$3,493.55**
 Reseeding Job Cost: **\$0.00**
 Total Job Cost: **\$3,494**
 Job Hours: **10.00**