

CDL Habitat Restoration

Proactive Restoration For Our Future



Important Steps To Successful Seed Growth

- EARLY Recontouring / Dirt Work
- Ripping
- Topsoil Application
- Chiseling
- Disking
- Rolling (if needed)

Early Dirt Work

- Adequate preparation and planning are vital to the success of any revegetation program and will lead to a better chance for successful reclamation
- Seed-bed prepared by May takes advantage of spring rains and possible summer thunder showers
- Allows time for weed flush

Ripping

- Important to relieve soil compaction
- CDL Rip depth = 18" – 24"
Industry norm = 8" – 12"
- CDL rips in two or more directions to ensure proper compaction relief



Advantages to Ripping Depth

- Water infiltration rate increases
- Helps with erosion control
- Does not restrict root development

Topsoil Application

- Uniform topsoil replacement is generally desired on reclaimed well pads
- CDL measures the area of disturbance to be reclaimed and amount of topsoil to be applied, then directs the dirt contractor as to specific depth of topsoil to be applied.
- This limits the amount of soil compaction due to heavy equipment traffic across the well pad.



Chiseling

- 4" – 6" depending on amount of topsoil available and applied
- Important for loosening seed bed and relieving soil compaction



Disking

- As needed to break down topsoil into finer particles, thus creating a more uniform seed bed



Rolling

- As needed for tightening loose soils
- Useful in pushing down any rocks
- Depending on moisture content of the soil, may need to apply water using a water truck





Importance of Firm Seed Bed

- Precise seed placement
- Helps with erosion control







TDi



WARNING
DO NOT
REAR END
OPERATOR





Results!



Conclusion

- **Proper soil compaction relief is an essential step in reclamation success**
 - * *Improved water infiltration*
 - * *Erosion control*
 - * *Successful root development*

- **Proper seed-bed preparation**
 - * *Precise seed placement*
 - * *Erosion control*

Increasing Reclamation Success!