



## Case Study: Chief Oil & Gas – Bower West: Unit #1H, Middlecreek Township, Somerset County, PA

In Spring 2010, Chief Oil & Gas contacted Hydrogreen LLC to re-vegetate their Bower West Unit #1H wells site in Somerset County. Chief was interested in using a product that was quicker and less expensive to apply than the typical rolled-on erosion control matting they had used in the past.

Chief chose **EarthGuard**<sup>®</sup> a sprayed-on erosion control/re-vegetation hydromulch product being used extensively by the Oil & Gas Industry in PA and WV.

**EarthGuard's** unique chemistry allows it to work on the microscopic level with soil to maintain its stability by both preserving existing soil structure and flocculating sediment being dislodged by storm water or wind. **EarthGuard** remains active throughout its service life and will move to protect areas that are difficult to treat during initial installation due to the undulations in the soil terrain.



Oil & Gas operators are utilizing **EarthGuard** to

stabilize and re-vegetate disturbed soil areas including slopes, roadway cuts, topsoil piles and well pads. Unlike labor intensive rolled erosion control blankets, **EarthGuard** can be applied with a two-man crew, who can typically treat 4-5 ac per day.

**EarthGuard** is designed to provide erosion control protection while seeds are allowed to properly germinate and can be utilized for dormant seeding/winterization applications and for spring/summer seeding applications.

**EarthGuard** is:

- Allowed by PA & WV DEPs as an Alternate to Rolled Erosion Control Blankets.
- Saves over \$1900/ac when Compared to Blankets.
- Quicker to Install.
- University Tested to be as Effective as Rolled Erosion Control Blankets.
- Can be Applied on Rocky Terrain and Non-Uniform Areas.
- Only Hydromulch Product on the Market that Flocculates Sediment Resulting in Clean Water Discharge.

**Initial Application: June 2010**



**Pictures Taken: May 2011**



**Drainage Swale**



**Impoundment Embankment**



**Top Soil Pile**



**Well Pad Embankment**

For further information, please visit the following web sites:

**Short 10 min. Video:** <http://www.earthguard.com/video.php>

**Product Brochure:** <http://www.earthguard.com/pdf/SalesBrochure.pdf>

**Web site:** [www.EarthGuard.com](http://www.EarthGuard.com)