STABILIZATION - OIL & GAS

PADS & ACCESS ROADS

Strength That Develops Under Load

BASE BIND-X

THE CHALLENGE

Drilling pads and access roads are subjected to extreme loading, repetitive heavy equipment traffic, static rig loads up to 80,000 lbs, zero-point turns, drilling fluid exposure, and moisture cycling.

Traditional stabilization methods often rely on repeated rework, imported aggregate, or rigid systems that become brittle under cyclic loading and moisture exposure.

Key Stress Factors:

- Repetitive heavy equipment trafficking
- Static loading up to 80,000 lbs
- Shear stress from turning and grade changes
- Moisture cycling and freeze-thaw exposure
- Interaction with drilling fluids

BENEFITS OF BASEBIND-X TECHNOLOGY

- Promotes SAFETY
- Supports heavy drilling equipment
- Limits rutting and deformation
- Reduces rework and maintenance
- Maintains environmental compliance
- Uses standard construction equipment
- Remains flexible and reworkable
- Extends access road service life
- Supports site remediation and limits waste

ENVIROTECH SERVICES®

1-800-369-3878 I www.envirotechservices.com

Contact EnviroTech Services to evaluate BaseBind-X® for your next project.

HOW BASEBIND-X WORKS:
Load Responsive Stabilization

BaseBind-X strengthens the structure over time rather than relying on rapid chemical hardening.

Unlike brittle stabilization systems such as cement or fly ash, BaseBind X maintains flexibility and rework-ability. Treated pads can be bladed, reshaped, and maintained without catastrophic loss of performance.

PROVEN FIELD PERFORMANCE

BaseBind-X stabilized pads successfully met proof-roll criteria under heavy load.

- Supported equipment up to 80,000 lbs
- Multiple traffic directions
- No rutting, pumping, or deflection exceeding ½ inch

ACCESS ROAD PERFORMANCE

Unlike permanent crystalline stabilization systems, **BaseBind-X** remains reworkable and reclaimable, allowing landowners to remediate and reuse base materials post-drilling. BaseBind-X promotes safety by:

- Reduces rutting and deformation
- Improves trafficability
- Extends service life
- Lowers regrading frequency

CASE STUDY
-Weld Co, CO

BaseBind-X delivers stronger pad foundations that perform better over time, supporting safer operations and smarter budgets.

THE PROGRAM

EnviroTech partnered with a global energy operator to evaluate stabilization of three Colorado drilling pads using BaseBind-X, a non-silicated, non-enzymatic, non-polymeric stabilization technology.

Case Study Scope:

39,956 yd² (8.26 acres)	33,109 yd² (6.85 acres)	33,932 yd² (7.01 acres)

BaseBind-X was incorporated using conventional construction equipment without specialized curing systems or restrictive cure timelines.

CUSTOMER IMPACT & ECONOMIC RESULTS

66.85% **Reduction in total materials & maintenance costs**

$41,714 **Average savings per drilling pad**

$125,142 **Total savings across three pads**

"After hearing how easy the product was to use, I was initially skeptical. However, the product proved itself over time, and we plan to treat all our pads and roads."
— Oil Field Manager

KEEP CREWS SAFE, MOVING AND OPERATIONS ON SCHEDULE.

Drilling efficiency and uptime depend on stable infrastructure. BaseBind-X provides immediate structural support that continues to strengthen under traffic, reducing lifecycle costs and operational risk.

1-800-369-3878 I www.envirotechservices.com