

WELL OPTIMIZER



Thousands of wells are prematurely abandoned each year and as many as 60% of all oil wells are under producing because of the insidious threats posed by paraffin, asphaltenes and other waxes that restrict production.

ZenEarth's Well Optimizer formulas are a breakthrough method of eliminating well blockage and use only readily biodegradable plant and mineral ingredients. The proprietary active micelle quickly and effectively emulsifies well blockages and allows all the hydrocarbons to enter the revenue stream. Well flow will increase by 50 – 100% and Well Optimizer will double or triple the time between treatments.

There is no need to separate chemicals from the flow as Well Optimizer follows through to the processing plant. It will not affect any upstream activities or damage critical infrastructure. Unlike toluene or other benzenes, Well Optimizer is not a solvent and will not mix with, degrade or compromise oil quality.

ZenEarth's Well Optimizer replaces the need for toluenes, benzenes, acids and a host of other chemicals. All ingredients are readily biodegradable; plant based ingredients and offers a host of additional benefits including:

- It will not corrode or scar metals.
- It will not react with other chemistries.
- It aids in the treatment of calcium buildup down hole.
- Dramatically reduces iron forming bacteria which can produce slime which restricts flow through screens and casing.
- Dramatically reduces work safe procedures and equipment normally needed in optimizing well production.
- Reduces environmentally hazardous procedures as Well Optimizer readily biodegrades so that >98% has disappeared in less than 30 days.
- Well Optimizer encapsulates and suppresses volatile organic compounds (VOC's) which enhances worker safety.



The active ingredients behind all "green" ZenEarth cleaning, solvent and lubricating products are combinations of various readily biodegradable plants and naturally occurring minerals. ZenEarth's proprietary, renewable, chemical/mechanical process creates a truly unique product that is safe for human use and for the environment. It is effective and versatile.

All ZenEarth active ingredient formulas are effective as a result of the creation of electrically charged particles known as micelle. When activated in water, micelles repel each other in a ceaseless random movement. Measuring only 2 – 4 nanometers in size, their extreme surface-area-to-volume ratio enables far greater efficacy than conventional technologies or formulas. Micelles do not produce a chemical reaction that generates new compounds when introduced into another material or the environment, instead they break down carbon based compounds into smaller particles that can be easily assimilated and metabolized by normal soil or water microorganisms.

ZEN EARTH PRODUCTS ARE:

Bio - Based
Readily Biodegradable
Non - Toxic
Non - Corrosive
Non - Hazardous
Non - Caustic
Non - Flammable
Non - Cancer Causing

DO NOT CONTAIN:

Ozone Depleting Substances
Petroleum Distillates
Glycol Ethers
Caustics
California Proposition 65 Chemicals

