



**Pioneering the Future of Crude Oil Production**

**Our nanofluid technology is setting  
a new standard for innovation in  
the oil extraction industry.**

The technique used to extract crude oil after recovery methods have been exhausted is called **EOR** (Enhanced Oil Recovery). EOR is a \$56.4B industry expected to double in 10 years.

## CHEMICAL-BASED EOR\*

8 to ~45%

INCREMENTAL OIL  
RECOVERY

\* Often these are toxic and terrible for environment

## STEAM-BASED EOR\*\*

12 to ~48%

INCREMENTAL OIL  
RECOVERY

\*\* Extremely costly, limited to 2,500-ft depth.

## NANOFLUID\*

300 to ~500%

INCREMENTAL OIL  
RECOVERY

\* Environmentally Friendly

**Nanofluid Industries** introduces the first-of-its-kind carbon-neutral nanofluid technology for the EOR industry. Our product, **NaNoEOR**, is a transformative product designed to significantly enhance heavy and light crude oil production compared to toxic chemical surfactants.

**LOWEST**  
**Cost**

Cheaper to implement

**ENVIRONMENTALLY**  
**Friendly**

No toxic chemicals or acid

**PERMIT**  
**Simple**

~60 day approval in Texas

**EXPONENTIAL**  
**Output**

Incredible early results

Defining the new standard for innovation in  
the oil extraction industry.

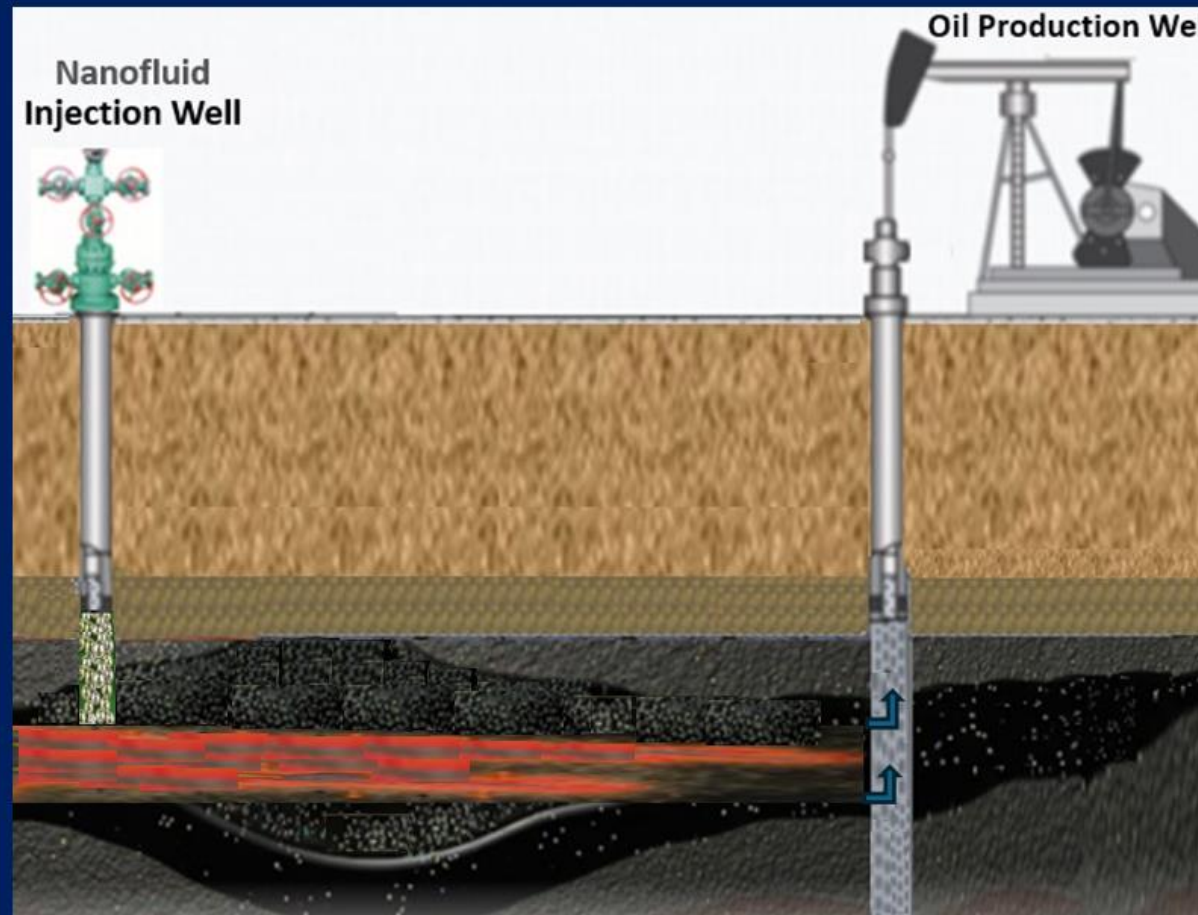


## HOW IT WORKS

**Nanofluid** is injected into any oil formation creating heat & pressure



**Nanofluid**  
Carbon-neutral oil production



**Novel nanoparticles** create new pressure and heat, increase permeability, and in-situ surfactant alters wettability and reduces interfacial tension

# TEXAS FIELD PILOT RESULTS

## INITIAL FIELD PILOT

LOCATION: Slocum, TX

INJECTION DATE: April 13, 2025

Existing		Nanofluid	Nanofluid	Nanofluid
Daily	One Well	Daily	Percent	One Well
<u>Barrels</u>	<u>Revenue</u>	<u>Barrels</u>	<u>Increase</u>	<u>Revenue</u>
0.5	\$ 32.37	20	3,890	\$1,294.00
0.5	\$ 32.37	18	3,500	\$1,164.60

As the demand for oil continues to increase, it has become more difficult to extract oil from the ground because many oil fields lack pressure and is becoming increasingly hard to extract. This is where enhanced oil recovery (EOR) techniques are used to extract more oil from existing oil fields.

NaNoEOR is a transformational technology and is in a "class by itself " and therefore "unique and innovative."



### Amazing Initial Pilot Results

- Oil increased from 1/2 barrel to 20 barrels on the first day.
- 3,890% increase in oil production on the first day.
- Reservoir pressure increased from 10 psi to over 300 psi.
- Temperature increased from 70°F to over 500°F.
- Permanently upgraded heavy oil gravity ≥8 degrees.
- FIRST nanofluid ever injected into a U.S. oil well.
- Stripper wells produce less than 15 barrels/day.
- Approximately 400,000 oil stripper wells in production in USA (7.4% of all U.S. oil production).



# BENEFITS

**Nanofluid** creates new pressure and heat reducing viscosity

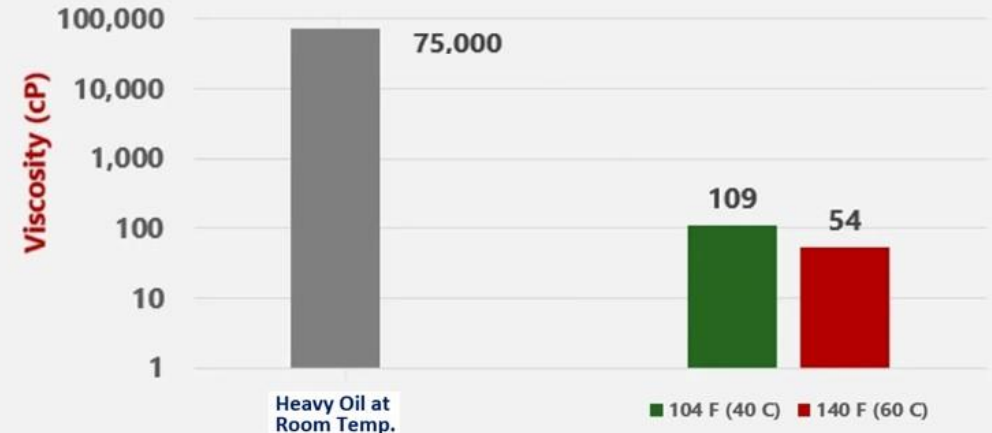


- Zero-emissions technology for oil extraction.
- Creates new, significant pressure in the formation.
- **Nanofluid** is not limited by depth or crude viscosity.
- Alters wettability and reduces interfacial tension.
- Replaces the expensive toxic chemical surfactants.
- 99% viscosity reduction for heavy oil and oil sands.
- Permanently upgrades heavy oil gravity.
- The cost of new wells is avoided.
- Minimal maintenance reduces costly downtime.



**99% viscosity reduction for heavy oil and oil sands**

**Permanently upgrades heavy oil gravity  $\geq 8$  degrees**

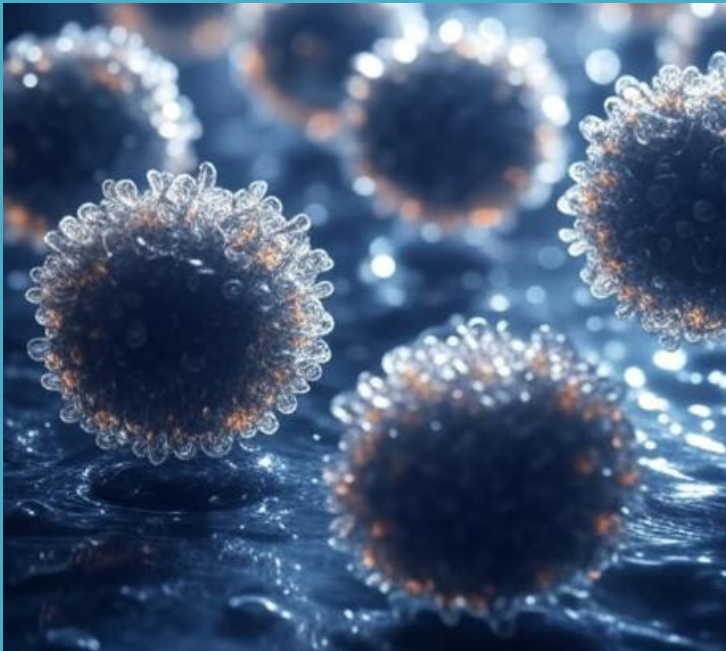




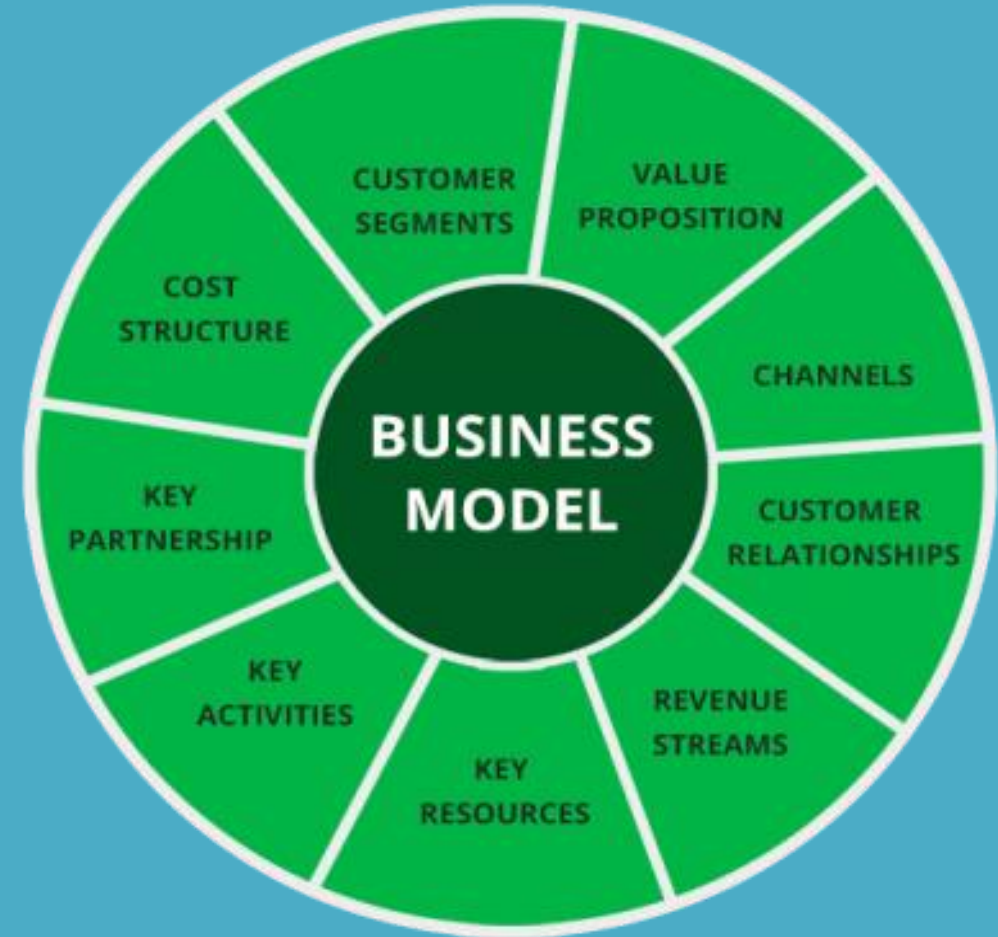
# BUSINESS MODEL

**NaNoEOR nanofluid** increases oil production that enhances profit for oil companies.

- Pending patent yields a defensible and competitive edge creating a barrier to entry to prevent competition.
- Operators have existing wells to inject the **nanofluid** thereby avoiding the cost of new wells.
- The **nanofluid** is a game-changing solution delivering value through significantly increased oil recovery.



**Nanofluid**  
Carbon-neutral oil production



# VALUE PROPOSITION



- Zero greenhouse gas emissions.
- High-quality nanofluid delivered to at least 8,000+ ft.
- 99% reduction in heavy oil viscosity.
- Avoids the cost of new wells.
- Better economics with an all-in ~\$8.00/barrel production cost.
- Very low nanofluid and equipment cost increases profit.
- Profitable in a low oil price market.
- Environmentally friendly compared to toxic chemical surfactants.



More Oil Production + Lower Costs = Higher Profit Margins

- High-quality nanofluid achieves permanent viscosity reduction for heavy oil of  $\geq 8$  degrees.
- The company is committed to deliver best-in-class oil extraction technology at lowest cost per barrel of oil.
- Mission Statement: Seamlessly integrate the nanofluid EOR technology to provide cost-effective, value-added solutions to the oil industry.
- Company's Motto: Deliver novel nanofluid technology for oil companies to more economically produce oil.





# NO COMPETITION

NaNoEOR nanofluid has no competition

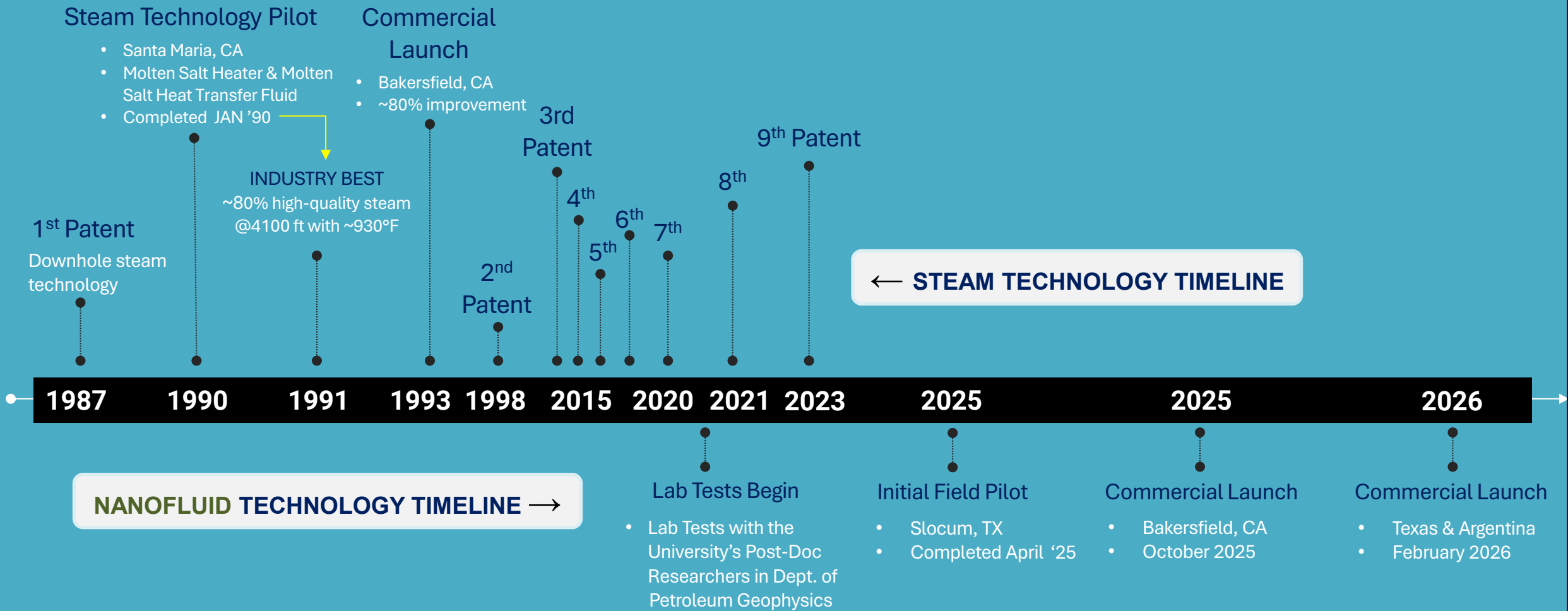
- **Targeted Delivery:** The **nanoparticles** target bypassed oil zones unmatched by bulk chemical surfactant injection.
- **Unparalleled Nanoscale Interaction:** The **nanoparticles** are at a scale (50-150 nm) that allows them to interact with reservoir rock to improve the oil's mobility which is difficult or impossible for large chemicals to achieve effectively.
- **Enhanced Fluid Properties:** The **nanofluid nanoparticles** achieve improved reservoir rheology (oil flow characteristics), outperforming conventional chemical surfactant fluids.
- **Reduced Environmental Footprint:** The **nanofluid** offers a more environmentally benign solution compared to conventional toxic chemical surfactants.



- Pending patent is defensible that yields a competitive edge and a barrier to entry to prevent competition.
- The company will succeed by providing a novel **nanofluid** compared to toxic chemical surfactants used for over 60 years.
- The nanofluid improves oil displacement in the reservoir to achieve more oil production for an all-in ~\$8.00/barrel cost.
- The **nanofluid** is delivered to the oilfield in 6,200-gallon ISO tanks or 330-gallon totes as shown below:



# OUR TECHNOLOGY DEVELOPMENT HISTORY



## CONTACT INFORMATION



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