Nanofluid

Carbon-neutral oil production

Nanoparticles Pioneering the Future of Oil Production

A First-of-Its-Kind Nanotech
Transforming the Oil Extraction Industry.

EOR

Nanofluid Enhanced Oil Recovery

TECHNOLOGY COMPARISON

Nanofluid
Carbon-neutral oil production

Toxic Chemicals

8 to ~45% INCREMENTAL OIL RECOVERY

toxic and terrible for environment

Steam

~ 24 to ~48% INCREMENTAL OIL RECOVERY

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

NANOFLUID

500+% INCREMENTAL OIL RECOVERY

Environmentally Friendly

TECHNOLOGY BREAKTHROUGH

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Our transformative, first-of-its-kind nanofluid was designed to significantly enhance heavy and light crude oil production compared to toxic chemical surfactants.

LOWEST	ENVIRONMENTALLY	PERMIT	EXPONENTIAL
Cost	**Friendly**	**Simple**	**Output**
than chemical surfactants	No toxic chemicals	~60 day approval in Texas	Incredible early results

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PILOT RESULTS

Our Nanofluid solves the pressure problem in oil extraction

Initial Field Pilot

3,890% Increase in Oil Production

Location: Slocum, Texas

Injection Date: April 13, 2025

Apr-25	Pilot Results	Slocum, Texas

FIRST DAY PRODUCTION RESULTS

- **Pilot well:** Increased from 0.5 barrels to 20 barrels
- **Reservoir pressure:** Increased from 10 psi to over 420 psi
- **3,890%** increase in oil production
- **Temperature** increased from 72°F to over 500°F
- **Upgraded heavy oil** from 18 to 26 gravity

Existing Production Daily Barrels	Existing One Day Revenue	Nanofluid 1st Day Barrels	Nanofluid Percentage Increase	Nanofluid 1st Day Revenue
0.5	$ 32.37	20	3890%	$1,294.00

Second Field Pilot

1,650% Increase in Oil Production

Location: Bakersfield, California

Injection Date: February 24, 2026

Feb-26	Pilot Results	Bakersfield, CA

FIRST DAY PRODUCTION RESULTS

- **Pilot well:** Increased from 1 barrel to 17.5 barrels
- **Reservoir pressure:** Increased from 84 psi to over 510 psi
- **1,650%** increase in oil production
- **Temperature** increased from 94°F to over 530°F
- **Upgraded heavy oil** from 13 to 20 gravity

Existing Production Daily Barrels	Existing One Day Revenue	Nanofluid 1st Day Barrels	Nanofluid Percentage Increase	Nanofluid 1st Day Revenue
1	$ 62.00	17.5	1650%	$1,085.00

TARGET CUSTOMERS – STRIPPER WELL OIL PRODUCERS

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National Stripper Well Association's Summary by State

NSWA
National Stripper Well Association
United States Stripper Well Portfolio 2026

State by State – Wells that Make Less than 15 BOED

Summary Table by State

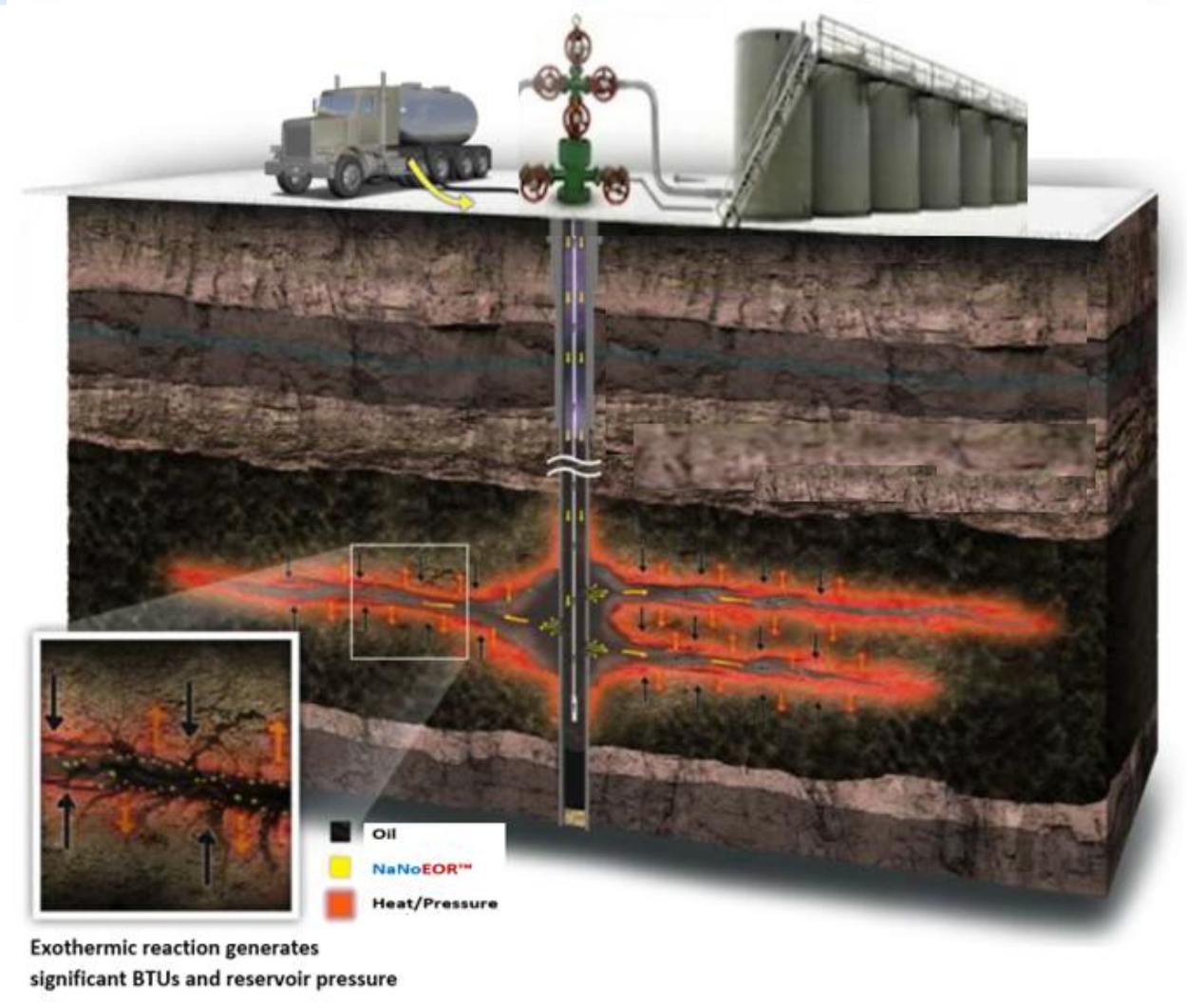
	Stripper Wells	Stripper Well Operators	Stripper BOED	Average Well, BOED	% of Total BOED	Total BOED
Alabama	5,411	43	16,429	3	34%	47,768
Alaska	309	6	1,309	4	0.1%	1,368,033
Arizona	26	4	105	4	100%	105
Arkansas	5,534	198	29,445	5	15%	193,373
California	33,706	148	130,419	4	34%	387,803
Colorado	28,860	230	133,621	5	9%	1,505,221
Florida	19	7	107	6	1%	9,368
Illinois	Unknown					
Indiana	6,952	1,554	1,090	0.2	65%	1,665
Kansas	77,298	3,572	112,873	1	85%	132,429
Kentucky	26,953	1,813	40,594	2	89%	45,549
Louisiana	21,218	654	71,497	3	13%	542,119
Michigan	13,182	200	32,507	2	78%	41,685
Mississippi	3,708	119	14,351	4	12%	120,230
Missouri	471	15	161	0.3	100%	161
Montana	12,539	256	28,548	2	19%	149,606
Nebraska	2,069	72	3,917	2	86%	4,571
Nevada	79	10	345	4	35%	974
New Mexico	40,154	436	156,388	4	4%	4,181,992
New York	9,638	651	3,984	0.4	76%	5,241
North Dakota	5,755	113	40,607	7	2%	1,896,746
Ohio	51,796	5,011	24,893	0.5	2%	1,075,127
Oklahoma	71,188	2,081	200,127	3	5%	3,680,018
Oregon	24	2	66	3	100%	66
Pennsylvania	79,543	2,721	40,022	0.5	1%	3,623,896
South Dakota	184	17	841	5	11%	7,442
Tennessee	Unknown					
Texas	282,882	5,431	756,454	3	6%	12,107,716
Utah	12,446	94	66,633	5	18%	369,732
Virginia	7,956	19	31,445	4	85%	36,990
West Virginia	58,118	2,657	55,715	1	3%	1,689,233
Wyoming	28,417	422	119,948	4	9%	1,341,949

	Stripper Wells	Stripper Well Operators	Stripper BOED	Average Well, BOED	% of Total BOED	Total BOED
GRAND TOTAL	886,435	8,450	2,114,443	2	6%	34,566,811

Methodology: State reported data. Wells that have been drilled and not plugged (reported status is "Active" or similar). Exclude injection wells, geothermal wells, CO2 sequestration wells. Production in barrels-of-oil-equivalent-per-day. Last 12 producing month reported production divided by 365, stripper wells <15 BOED or 5,475 BOE annually. Count of operators of those wells excluding duplicates and including announced mergers. https://www.earthscienceagency.com/analytics

2/27/2026 https://nswa.us 2

Nanofluid Creates New Reservoir Pressure



Exothermic reaction generates
significant BTUs and reservoir pressure

Nanofluid Enhanced Oil Recovery

EQUIPMENT PROCESS FLOW DIAGRAM

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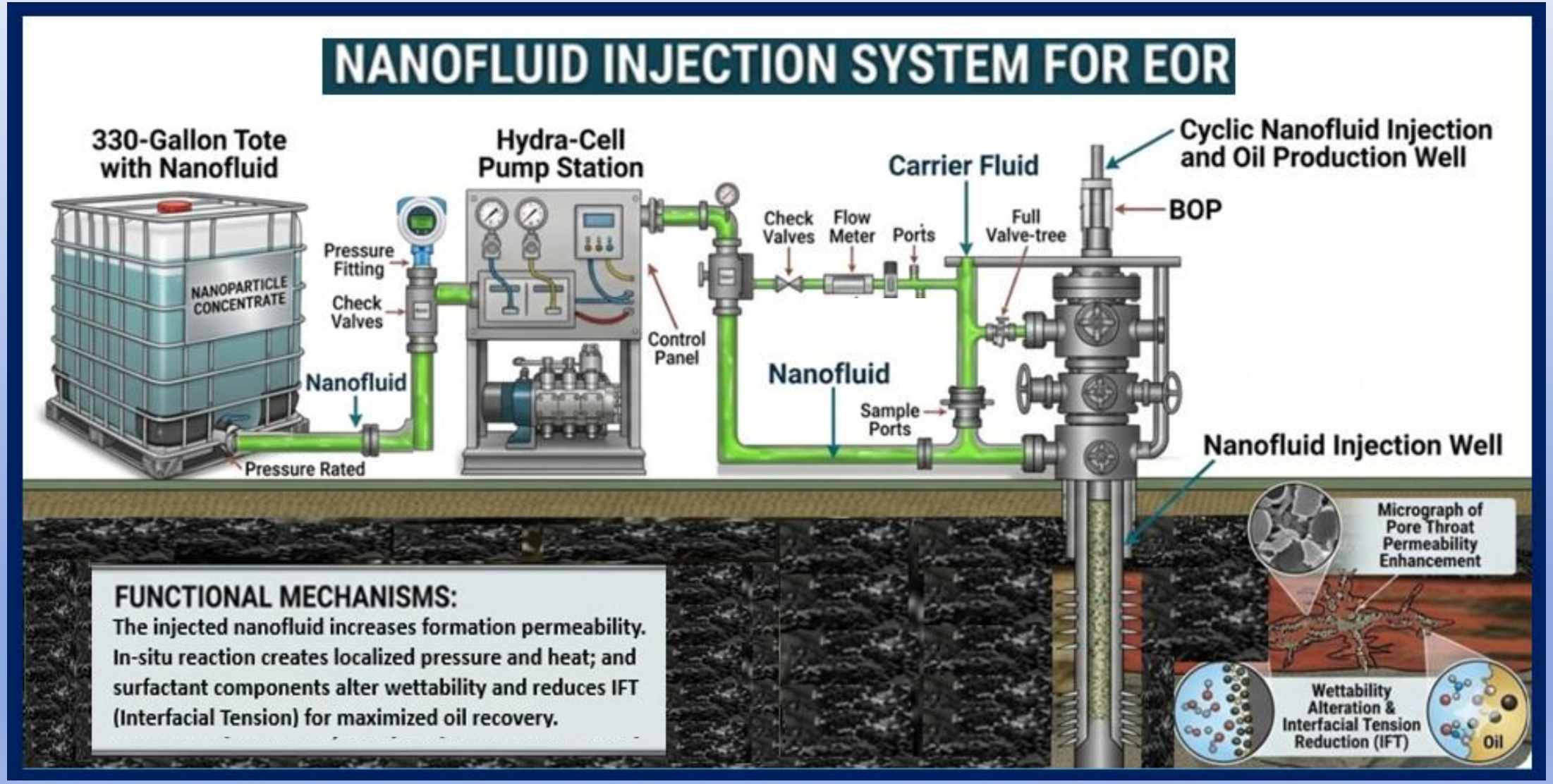
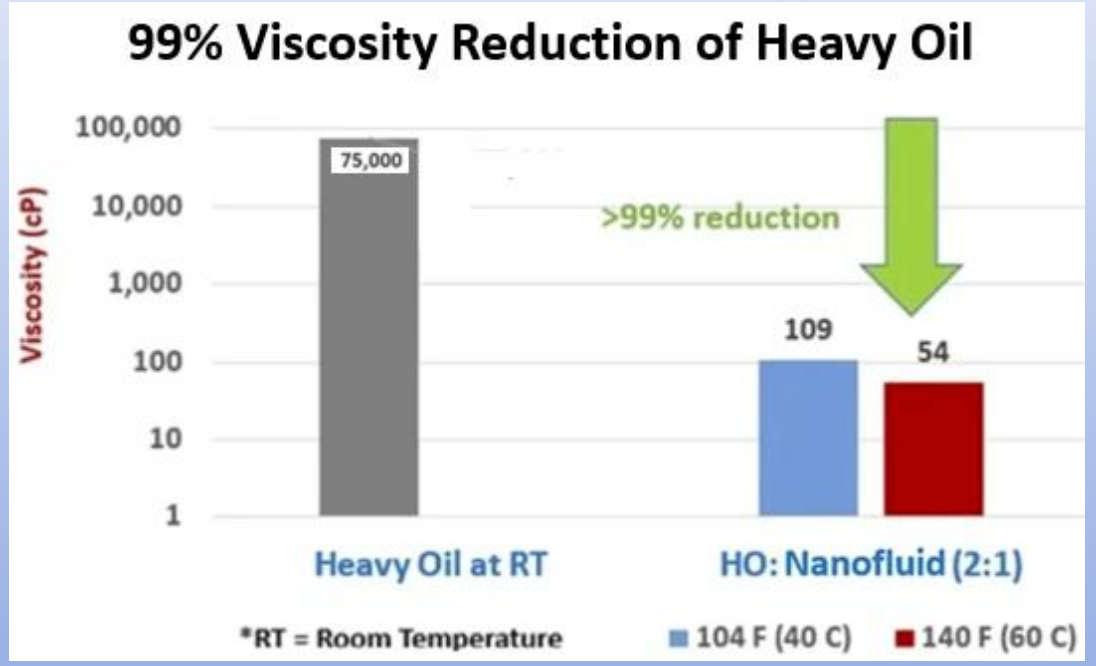


NANOFLUID BENEFITS

Nanofluid creates significant pressure for improved oil recovery

- Payback is ~1 month for each injection treatment
- Capex per well is ~$25,000 for HydraCell pump, piping, packer, and gauges
- Non-toxic and biodegradable nanoparticles
- Nanoparticle in-situ reaction generates significant heat and pressure
- Encapsulated nanoparticles delay reaction to penetrate deep in oil reservoirs
- 99% viscosity reduction of heavy oil
- Permanently upgrades heavy oil gravity ≥8 degrees
- Improves flow assurance near wellbore region
- Improves capillary pressure enhancing stripper well production
- Avoid plugging uneconomic stripper wells
- Nanoparticles penetrate shale oil fractures enhancing production
- Nanofluid is injected at ambient temperature
- Zero CO2 or NOx emissions
- In-situ surfactant alters rock wettability
- In-situ surfactant reduces interfacial tension
- Alters reservoir rheology enhancing oil recovery
- Optimizes oil displacement
- Improves mobility ratio for better sweep efficiency
- Permeability is significantly increased
- High-temp heat reduces viscosity enhancing heavy oil production
- Acts as a catalyst to break down asphaltenes and resins
- Paraffin or asphaltene precipitation is reduced or prevented
- ~42% sulfur reduction of heavy oil
- Nanofluid is not limited by depth or oil viscosity



VALUE PROPOSITION

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Carbon-neutral oil production

- $8.00 all-in cost per barrel
- Capex per well is ~$25,000
- Payback is about 1 month
- Low operational costs
- Avoid cost of new wells
- 99% reduction of heavy oil viscosity
- Profitable in low oil price market
- Non-toxic and 100% biodegradable
- Nanoparticles improve sweep efficiency
- Reduces interfacial tension (ITF)
- Alters rock wettability
- Nanofluid is delivered to at least 6,000 ft.
- Zero CO2 or NOx emissions
- The nanofluid is a monopoly in oil recovery.

Nanofluid is a transformational technology that is in a "class by itself" and therefore "unique and innovative" and a monopoly in the oil extraction industry.

More Oil Production + Lower Costs = Higher Profit Margins

- High-quality nanofluid achieves permanent viscosity reduction for heavy oil of ≥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.

CUSTOMER TRACTION

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NANOFLUID TECHNOLOGY TIMELINE →

2021 — Lab Tests Begin
- Lab Tests with the University's Post-Doc Researchers in Dept. of Petroleum Geophysics

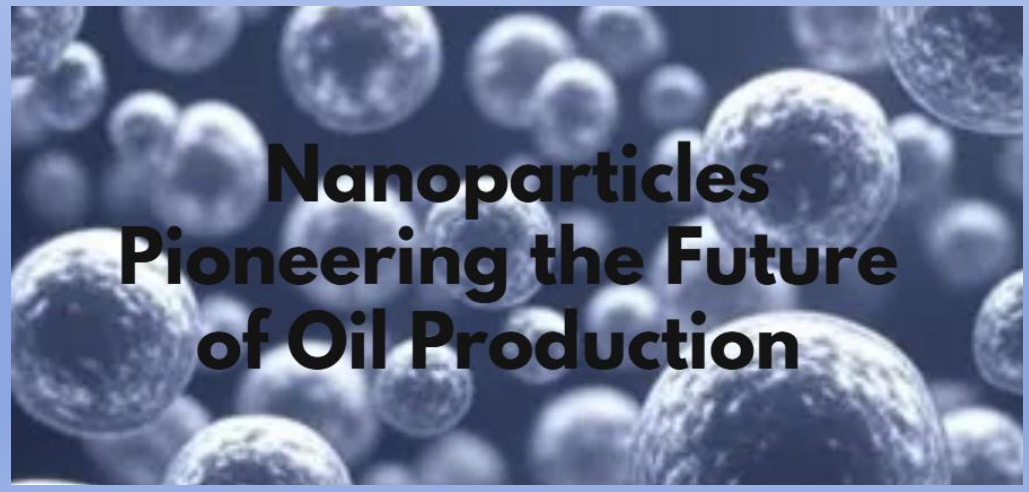
2025 — Initial Field Pilot
- Slocum, TX
- Completed April 2025

2026 — Field Pilot
- Bakersfield, CA

Chevron

2027 — Commercial Launch
- Texas
- California
- Argentina

Superior



CONTACT INFORMATION

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