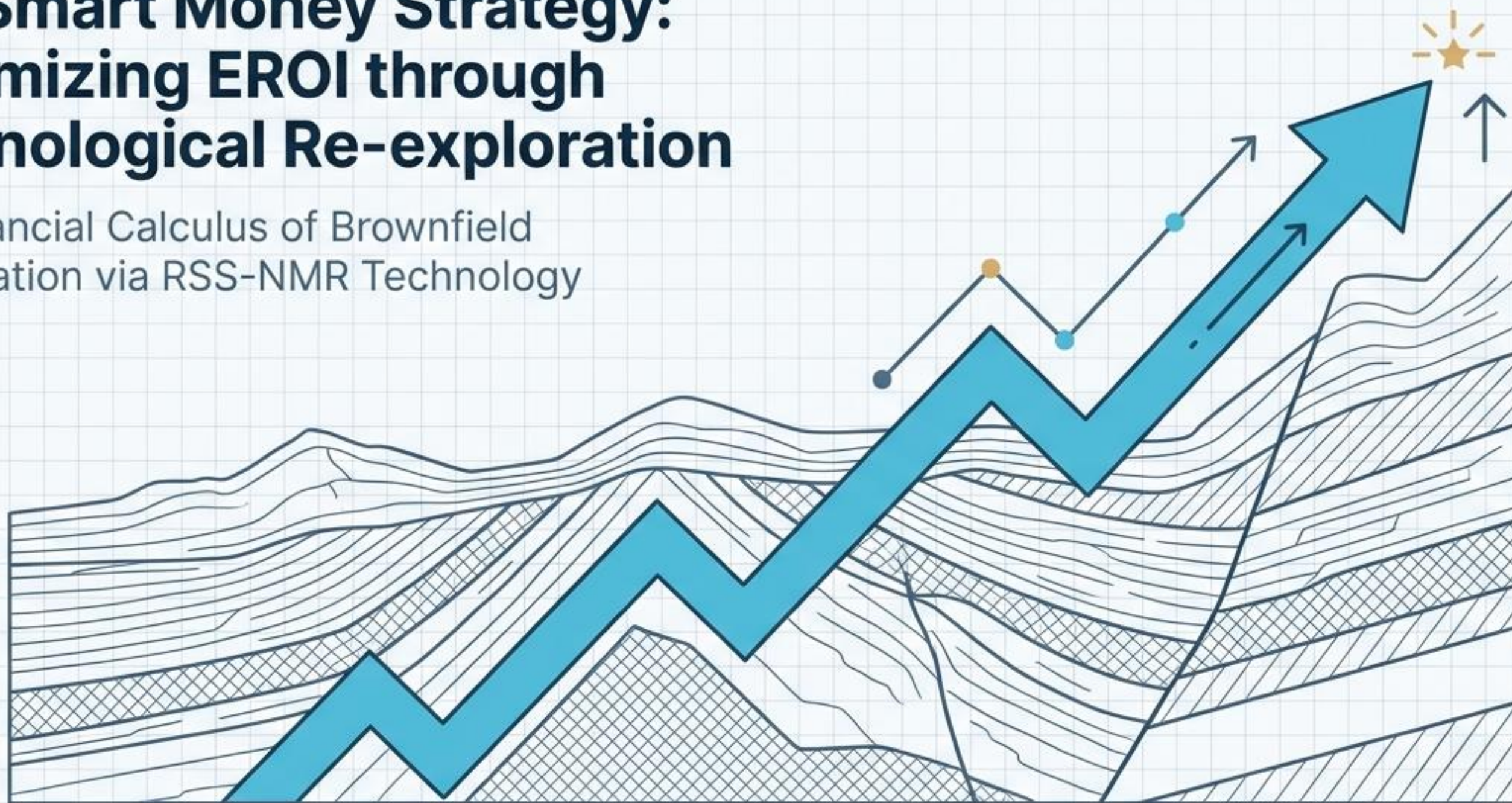


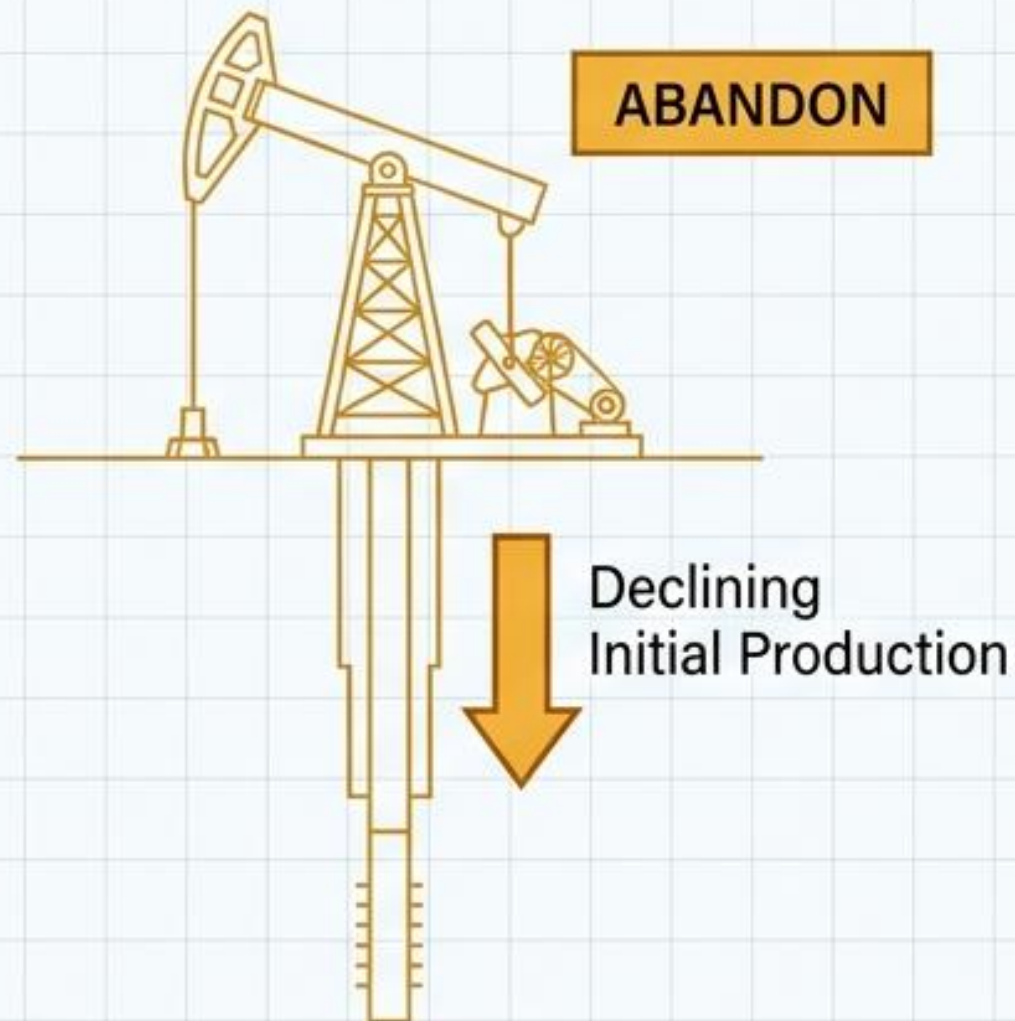
The Smart Money Strategy: Maximizing EROI through Technological Re-exploration

The Financial Calculus of Brownfield
Optimization via RSS-NMR Technology



An Executive Blueprint for Capital Efficiency and Risk Mitigation

The Strategic Error of Premature Abandonment



The Conventional Fallacy: Abandoning a mature asset based solely on the decline of initial production levels.

The Result: Billions in stranded capital and overlooked mobile fluids.



Modern Economic Rationality: Conducting a complete evaluation of hidden reserves within existing blocks.

The Result: Capitalizing on the past to maximize the profits of the present.

The EROI Dilemma: Defining Project Efficiency

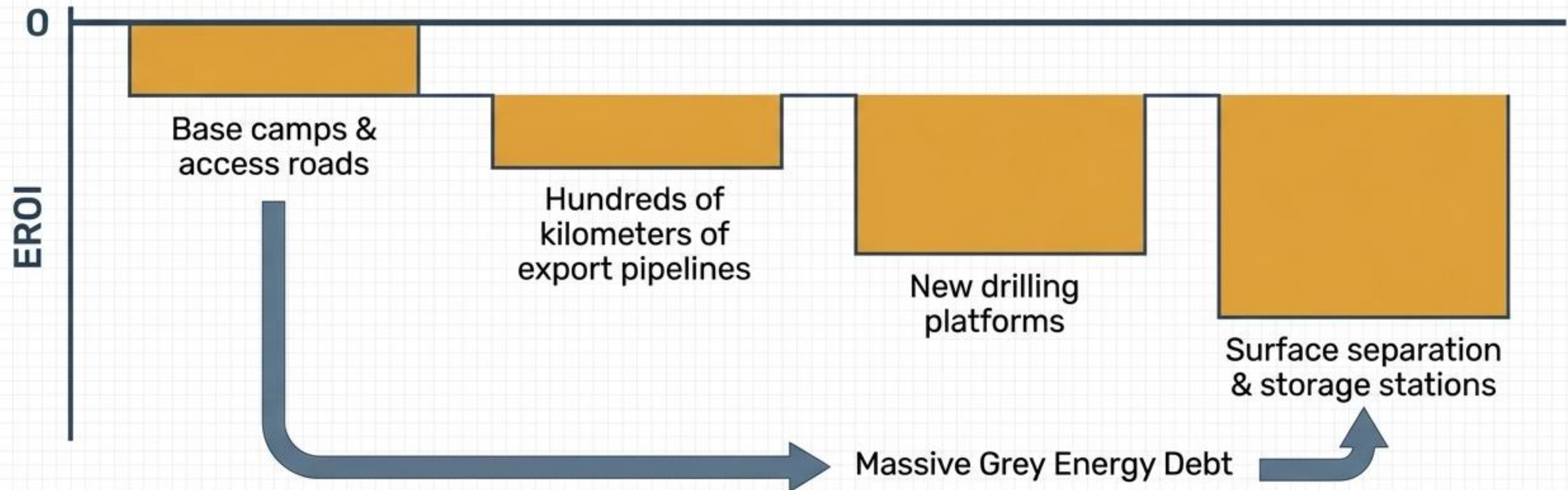
Energy Return on Investment (EROI) measures the fundamental efficiency of an asset: How much energy and capital must be spent to extract a targeted volume of energy?

$$\text{EROI} = \frac{\text{(Total Energy Extracted)}}{\text{(Capital Invested + Grey Energy Expended)}}$$

The Drag Factor: "Grey Energy" represents the massive, hidden energetic and financial debt required to establish surface infrastructure before a single barrel is sold.

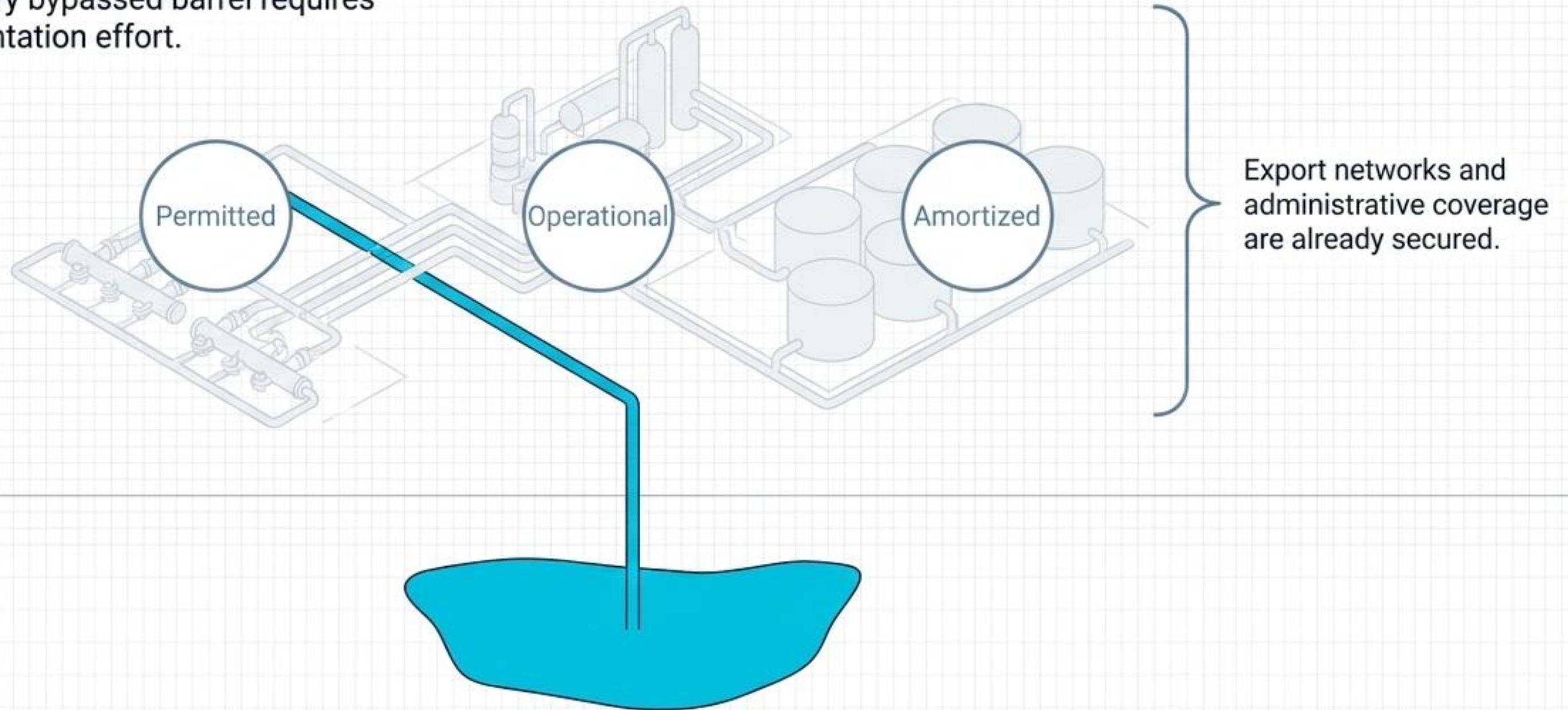
The Greenfield Trap: Crushed by the Burden of Surface CAPEX

In a new Greenfield exploitation structure, EROI collapses immediately. Every extracted barrel must first pay off immense capital debt before the project reaches actual profitability.



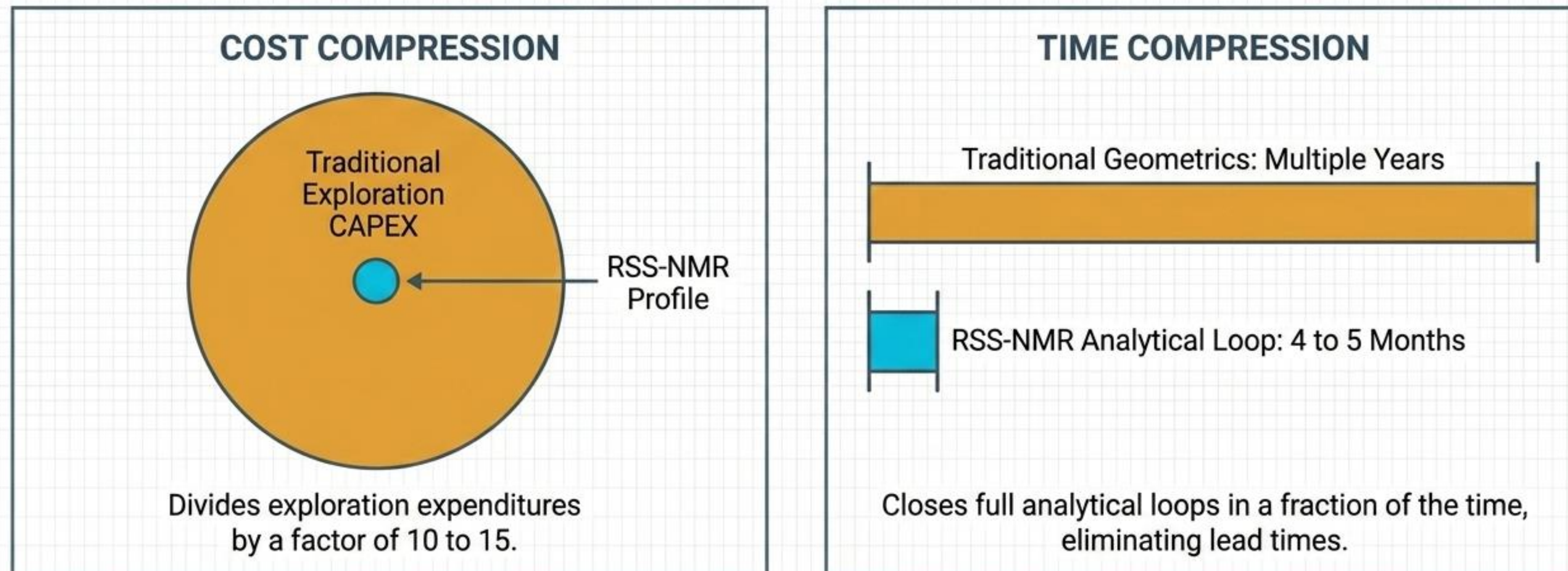
The Brownfield Advantage: Zero Surface Infrastructure Burden

Exploiting a mature block completely bypasses the financial and energetic barriers of Greenfield development. Every bypassed barrel requires minimal implementation effort.



The RSS-NMR Paradigm: Compressing Time and Capital

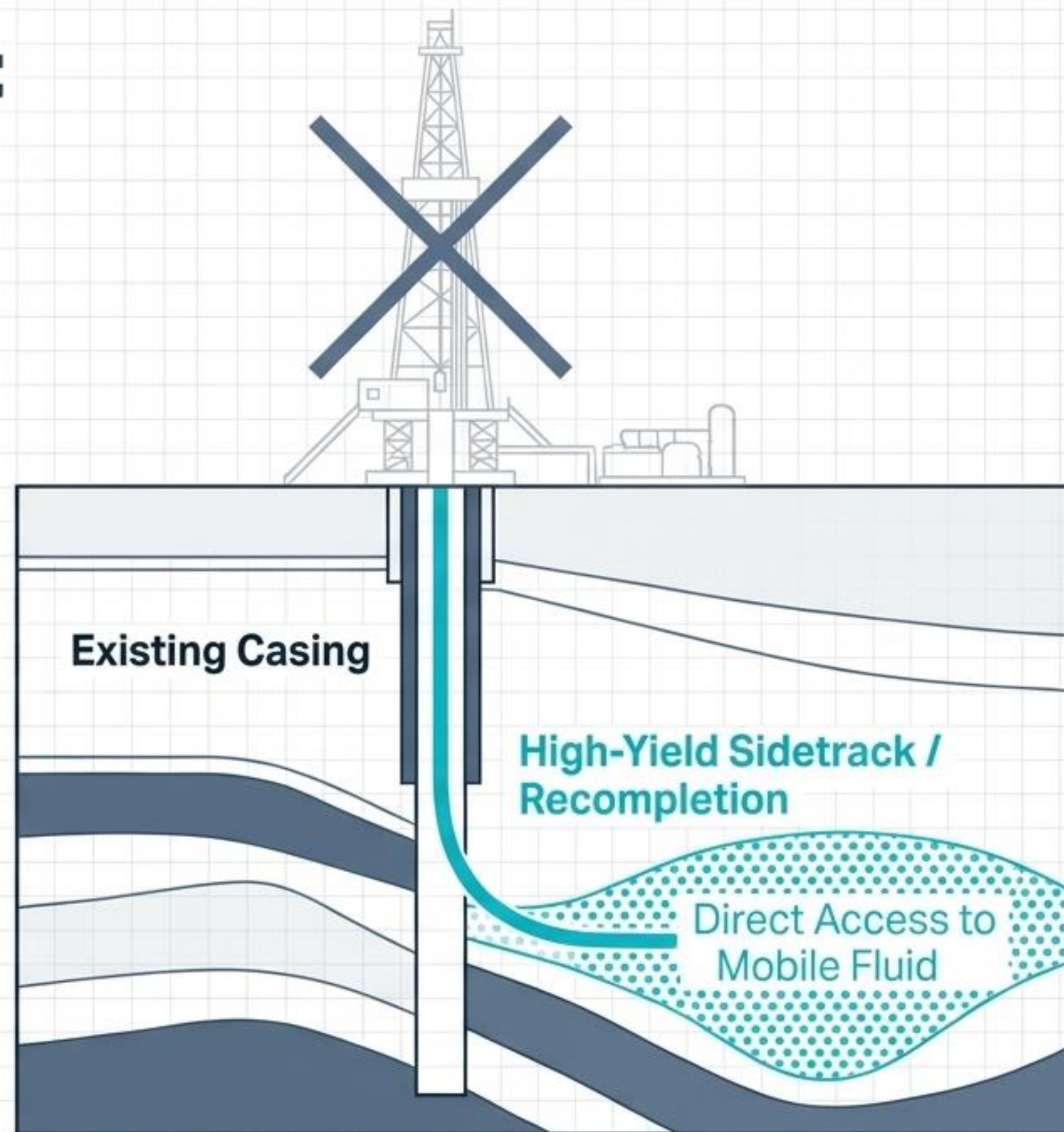
The RSS-NMR technological complex allows operators to know exactly where resources are located with minimal upfront capital.



The Mechanics of Efficiency: The High-Yield Sidetrack

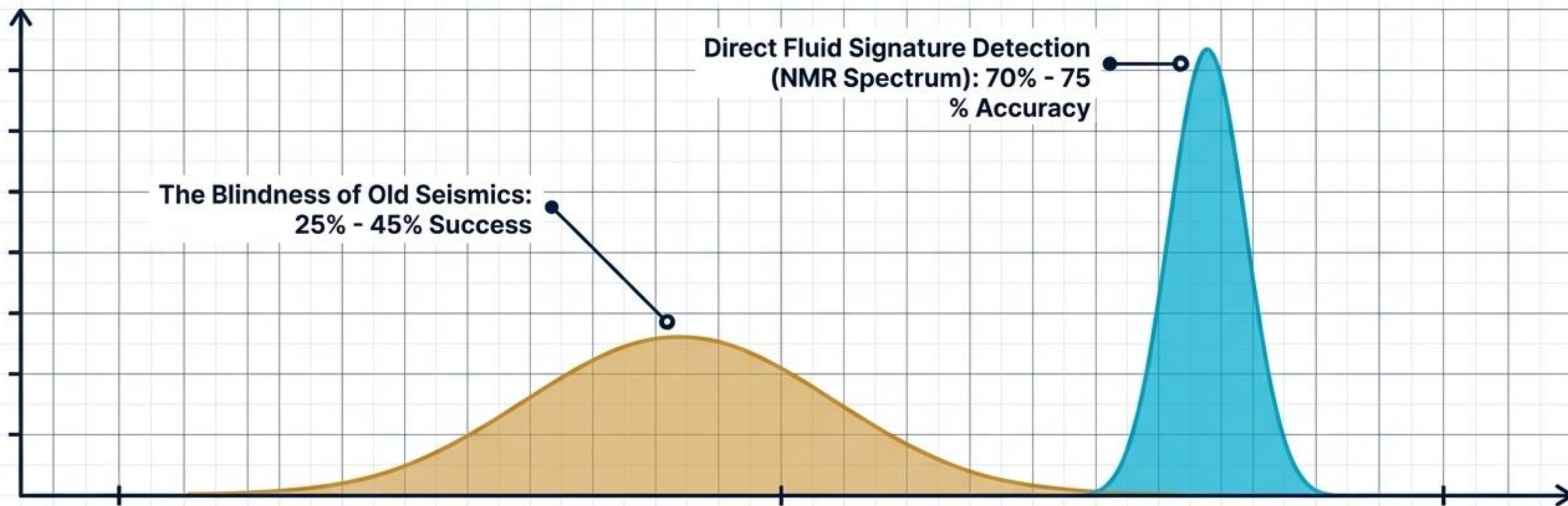
Minimal capital and energy expenditure for direct, surgical access to bypassed fluids. No new surface structure or full drill is required to monetize RSS-NMR discoveries.

The Execution: Instead of drilling a completely new well from the surface, operators execute a deviated drill or recompletion from the existing wellbore.



Financing Scientific Certainty: Eliminating the Dry Well Drag

Validated by global industrial applications, this leap in certainty mathematically guarantees a superior risk-adjusted return.



The Historical Drag: Traditional exploration relies on low geometric success rates. A single dry well destroys the EROI model.

The RSS-NMR Solution: By abandoning old seismics and shifting to direct fluid detection, accuracy bounds upwards.

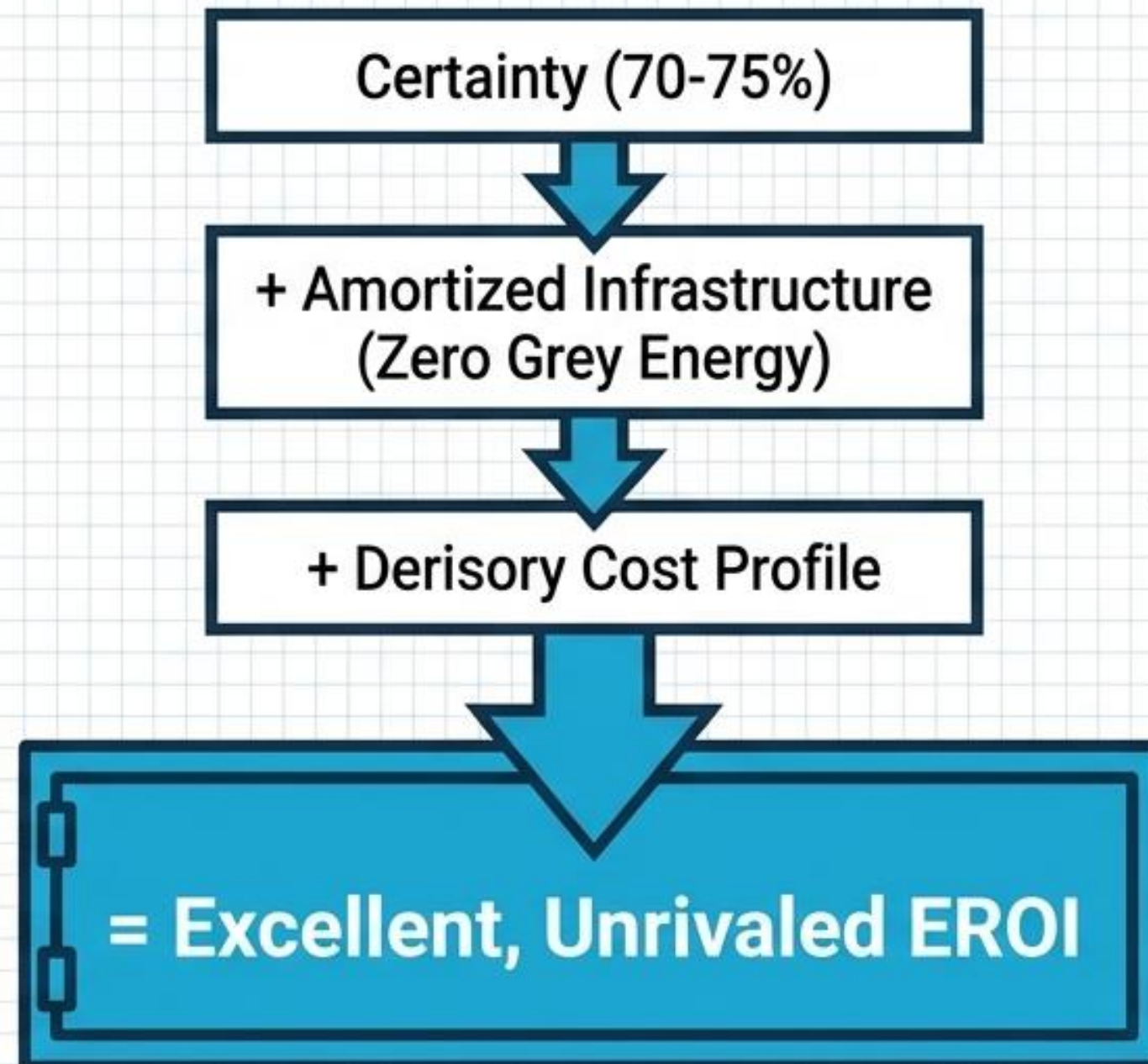
The Investment Diagnostic Matrix

	New Exploitation Structure (Greenfield)	RSS-NMR Evaluation on Existing (Brownfield)
Initial CAPEX Requirement	Colossal & Front-loaded	Minimal (10-15x Reduction)
Surface Infrastructure	100% New (High Grey Energy)	Fully Amortized & Operational
Time to Insight	Multi-Year Delays	4 to 5 Months
Scientific Certainty	High Risk (25-45% Accuracy)	Proven Precision (70-75% Accuracy)
Ultimate EROI Impact	Initially Crushed, Slowly Recovered	Immediate, Unburdened Yield

The Executive Synthesis: The Mathematical Proof

Maintaining and completely re-evaluating a mature oil field is not a fallback option—it is the most defensible strategy to present to an investment committee.

RSS-NMR eliminates the blindness of legacy data for a fraction of the cost, without the need for major pipeline construction.



The EROI of RSS-NMR optimization will mathematically outperform any new, risky exploration permit. Capitalize on the past to maximize the present.

Disclaimer

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VERSATILITY OF APPLICATION



HYDROCARBONS

Oil
Gas
Condensed



PRECIOUS METALS AND BASES

Gold
Copper
Lithium
Nickel



STRATEGIC

Uranium
Diamonds
Coal



WATER RESOURCES

Drinking Water
Underground
Geothermal

The technology eliminates false positives by identifying the specific type of mineral.