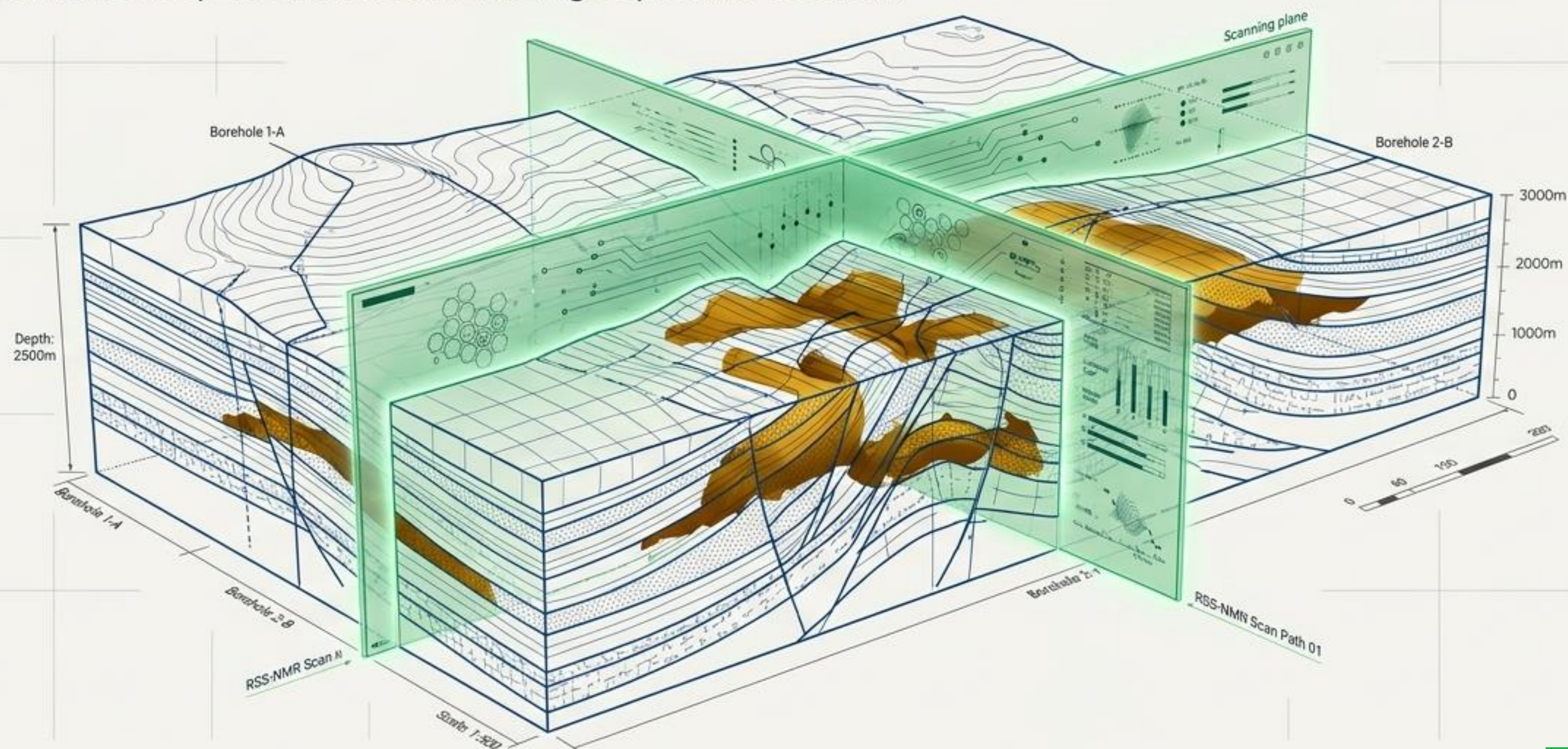


Maximizing Brownfield Extraction from Traditional Exhaustion to Smart EOR

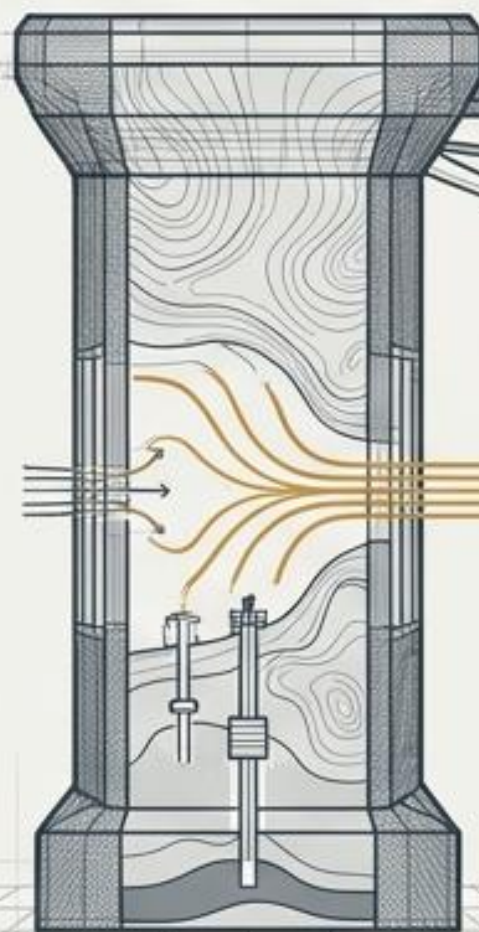
Powered by RSS-NMR Technology: The absolute lifecycle strategy to optimize every available drop of oil while minimizing capital investment.



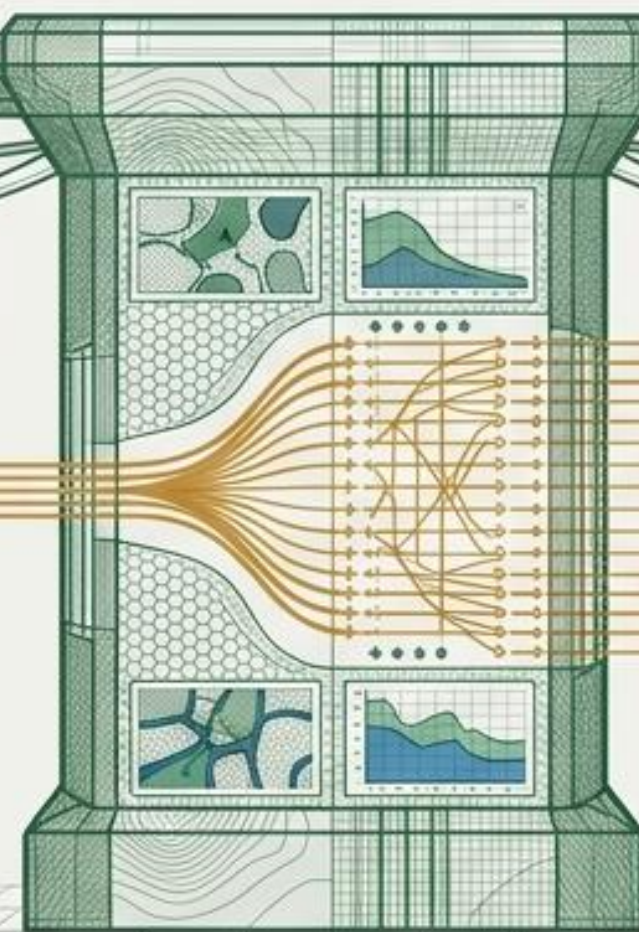
RSS-NMR is the definitive centerpiece bridging conventional extraction and tertiary recovery

The leap from traditional production directly to Enhanced Oil Recovery (EOR) carries immense financial risk due to disjointed geological models. Integrating RSS-NMR acts as an insurance policy and a catalyst—bridging the gap to optimize traditional methods first, then de-risking the transition to complex EOR.

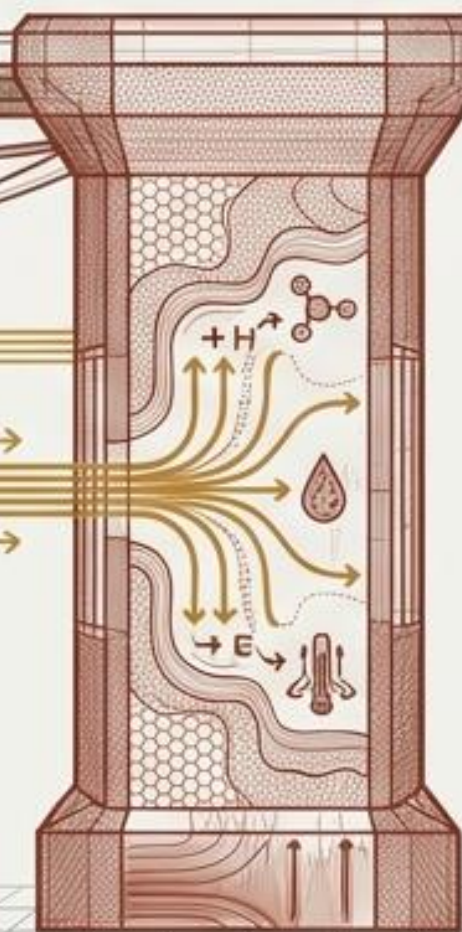
Classic Recovery
(Primary / Secondary)



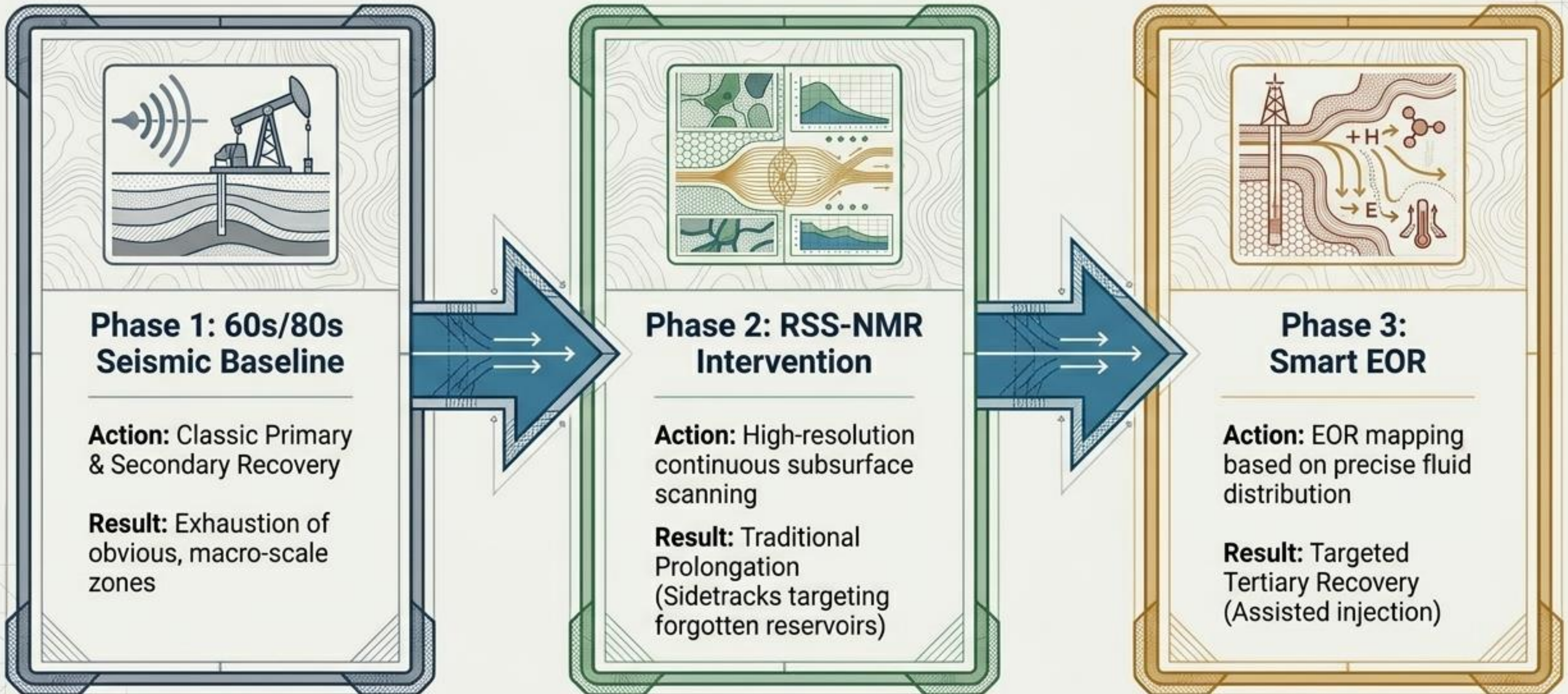
RSS-NMR Scan



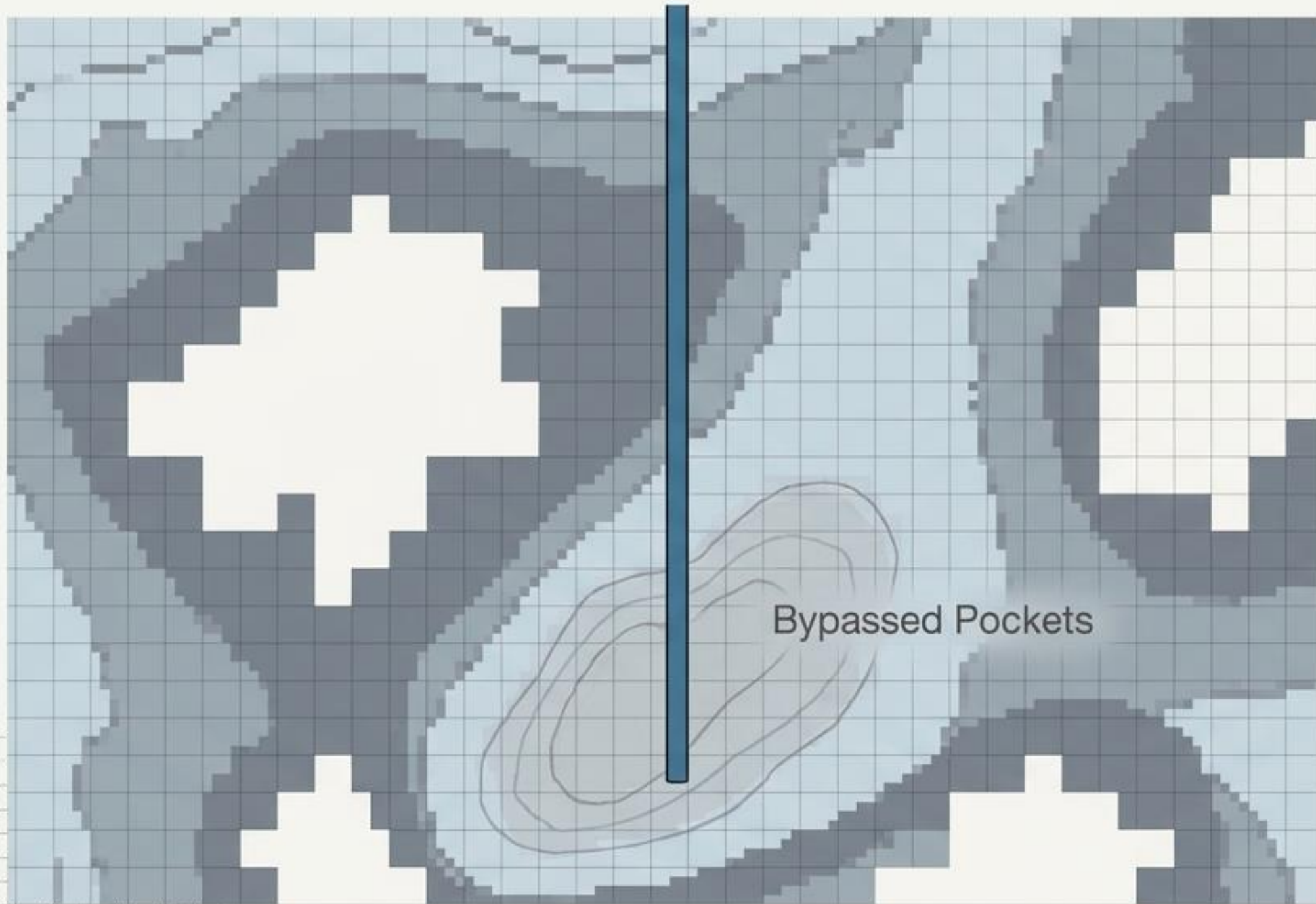
Tertiary EOR
(Chemical / Gas / Thermal)



THE MAXIMUM LIFECYCLE BLUEPRINT



Legacy seismic data creates massive blind spots, rendering extraction artificially “finished”



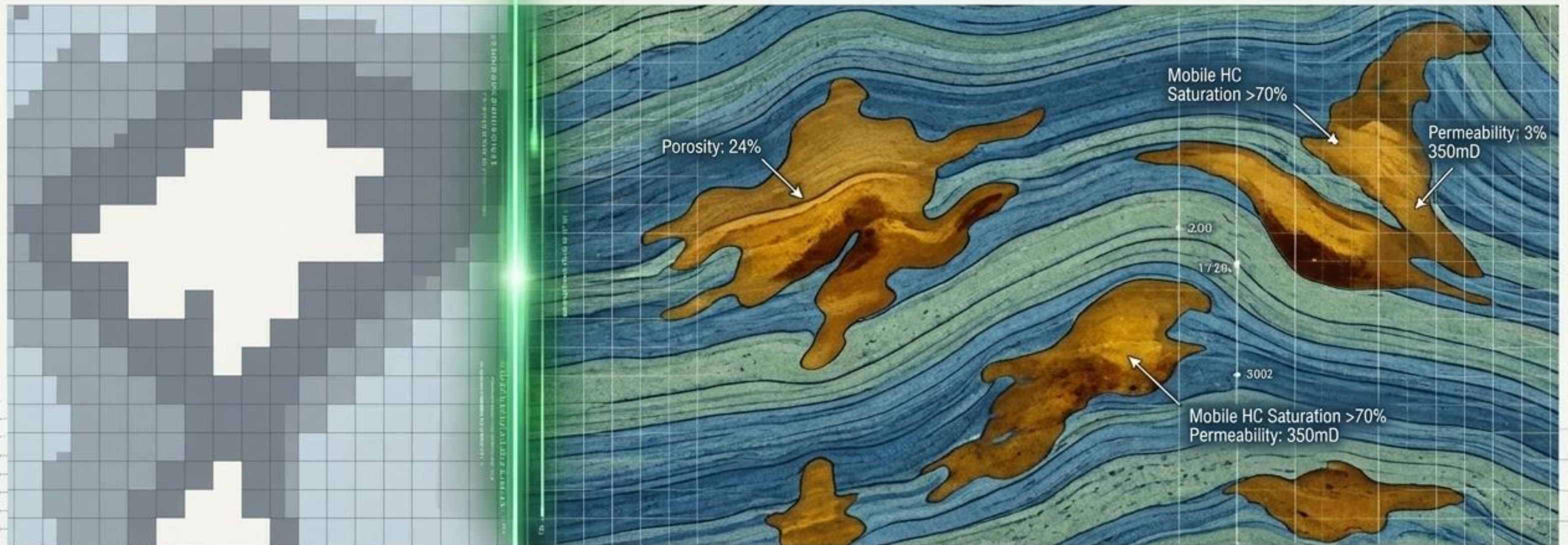
The Baseline: Primary and secondary recovery methods successfully drain the obvious zones identified by historic mapping.

The Problem: The low-resolution nature of historical data entirely ignores complex reservoir compartmentalization.

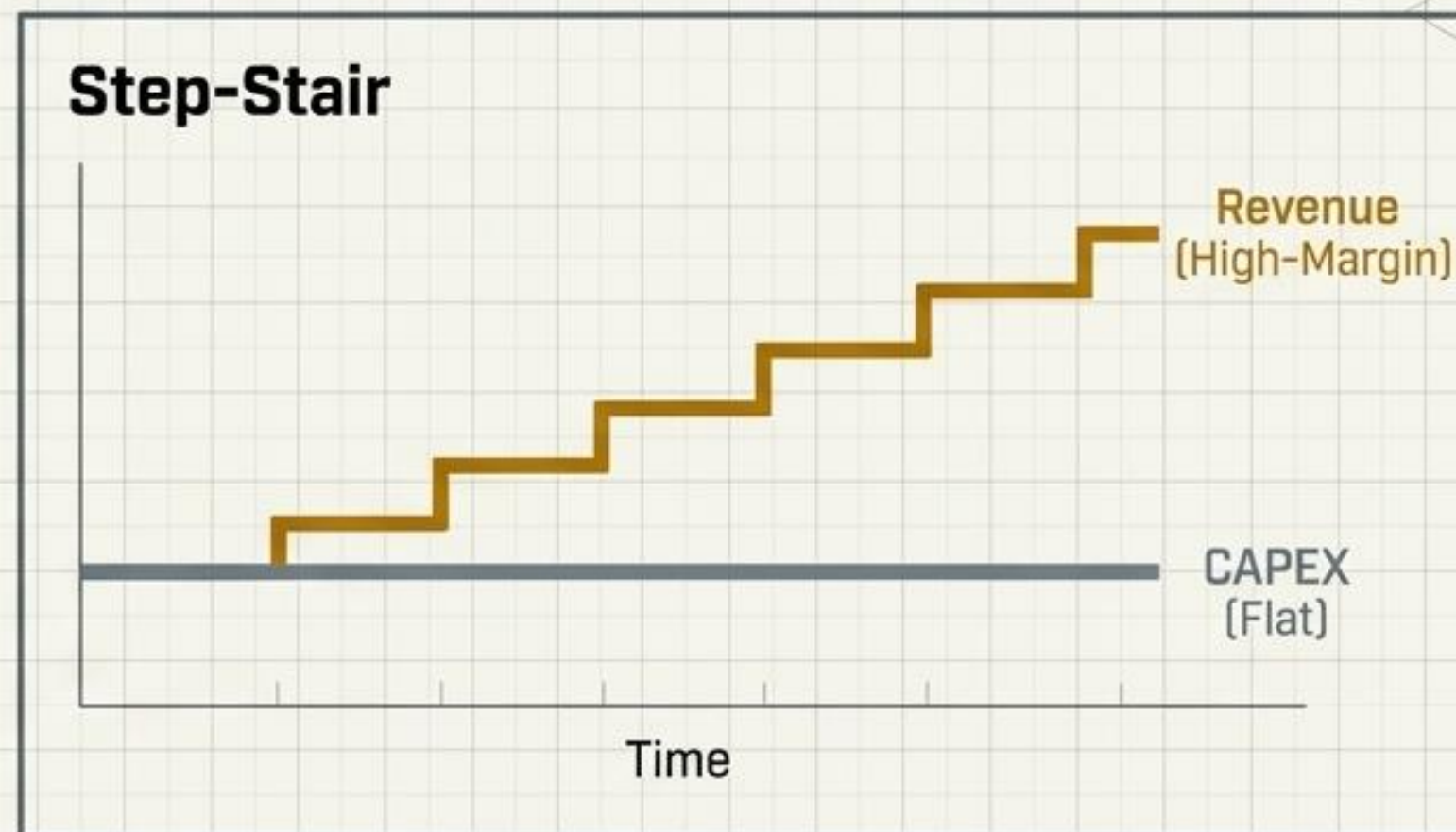
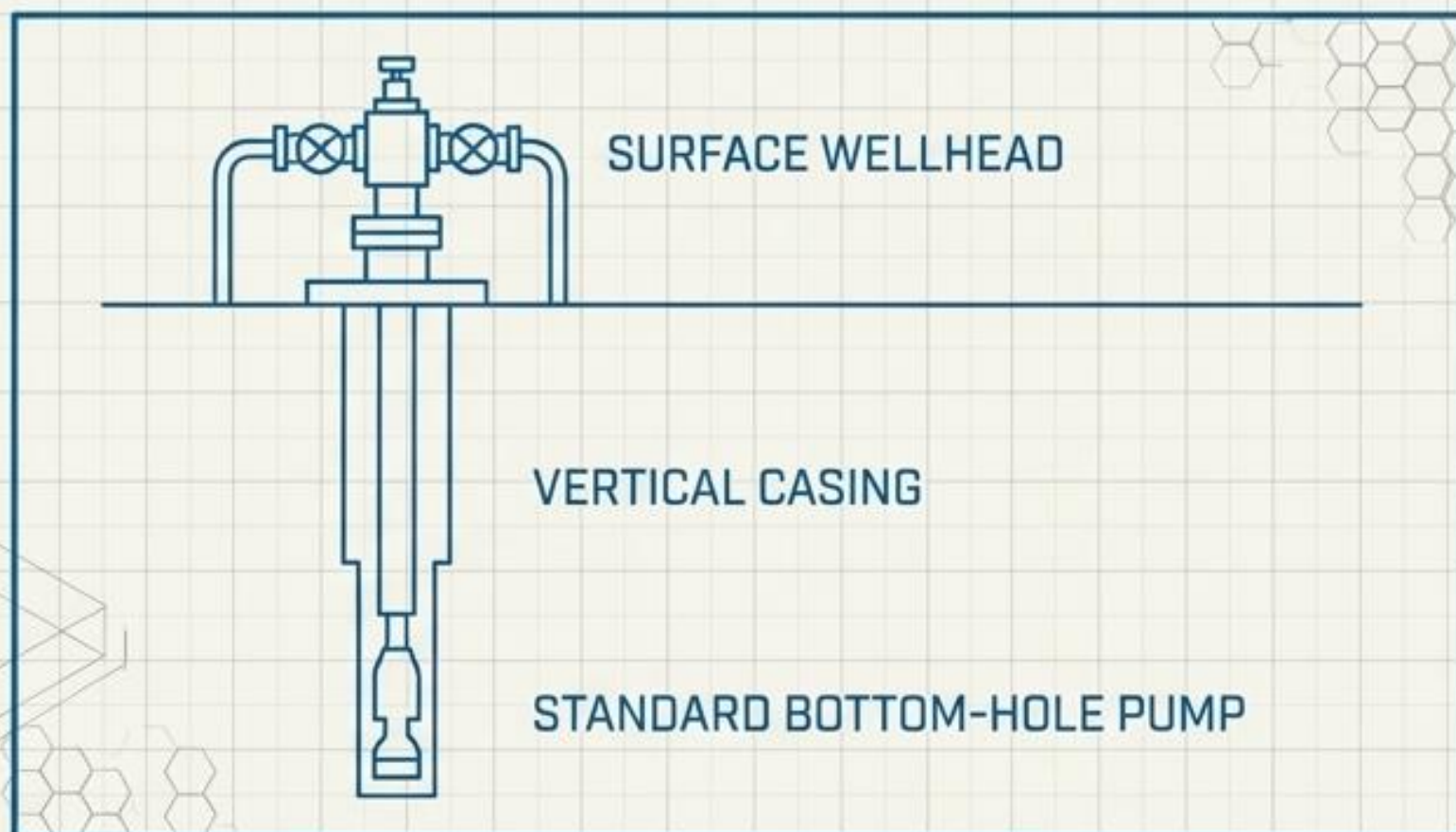
The Result: Operations are halted prematurely, leaving significant high-porosity zones completely bypassed.

RSS-NMR illuminates bypassed pockets of high porosity and mobile hydrocarbons

Before committing to expensive EOR infrastructures, continuous RSS-NMR scanning aggressively targets the 'easy, invisible' oil. It identifies compartments with strong mobile hydrocarbon saturation that legacy seismic entirely missed.



Extracting forgotten reserves requires zero major technological surcharges



Conventional Exploitation

Utilize traditional perforations, sidetracks, and standard bottom-hole pumps to access new pockets.

Infrastructure Amortization

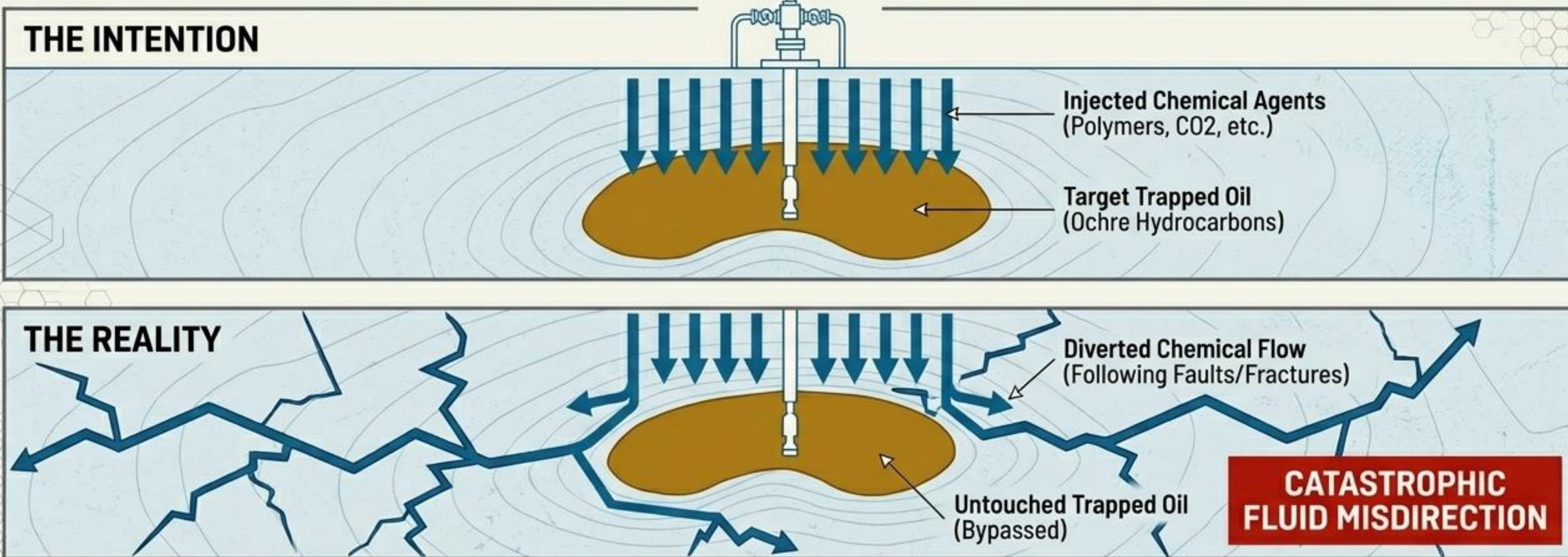
Saturate the existing production network to squeeze maximum financial value from current installations.

Maximum Margin

Prolong natural production or standard water injection with minimal new capital expenditure.

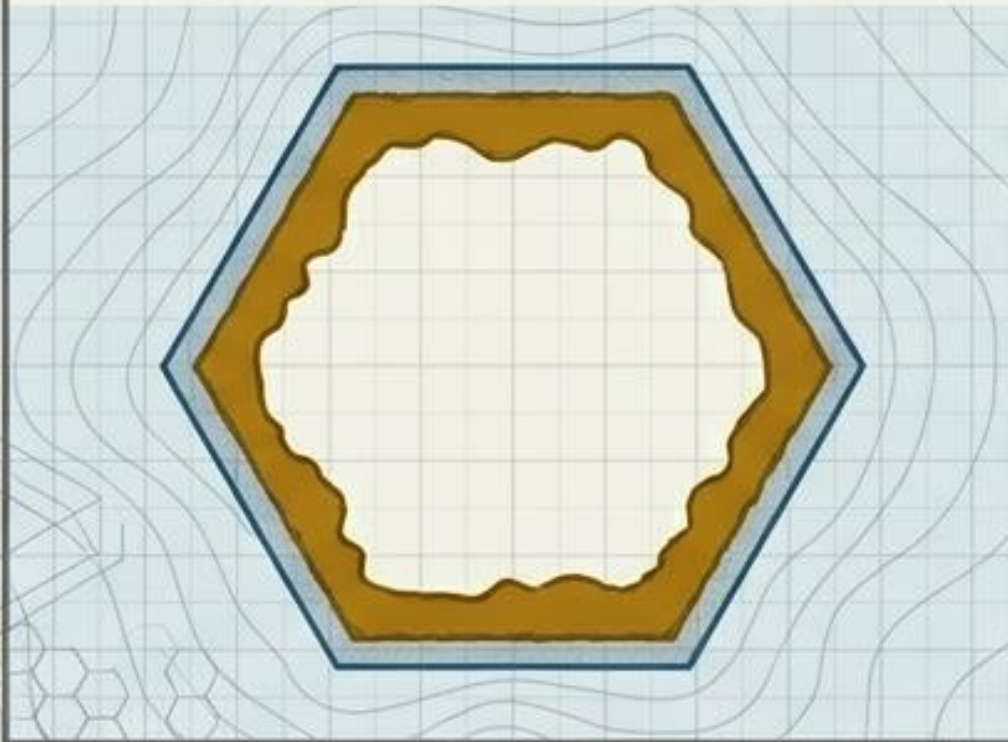
The Tertiary Trap: Why blind Enhanced Oil Recovery results in catastrophic waste

EOR via polymers, surfactants, CO₂, or thermal injection carries massive chemical and infrastructure costs. Injecting into a poorly mapped subsurface guarantees failure. Expensive agents inevitably follow geological fractures, missing the trapped hydrocarbons entirely.



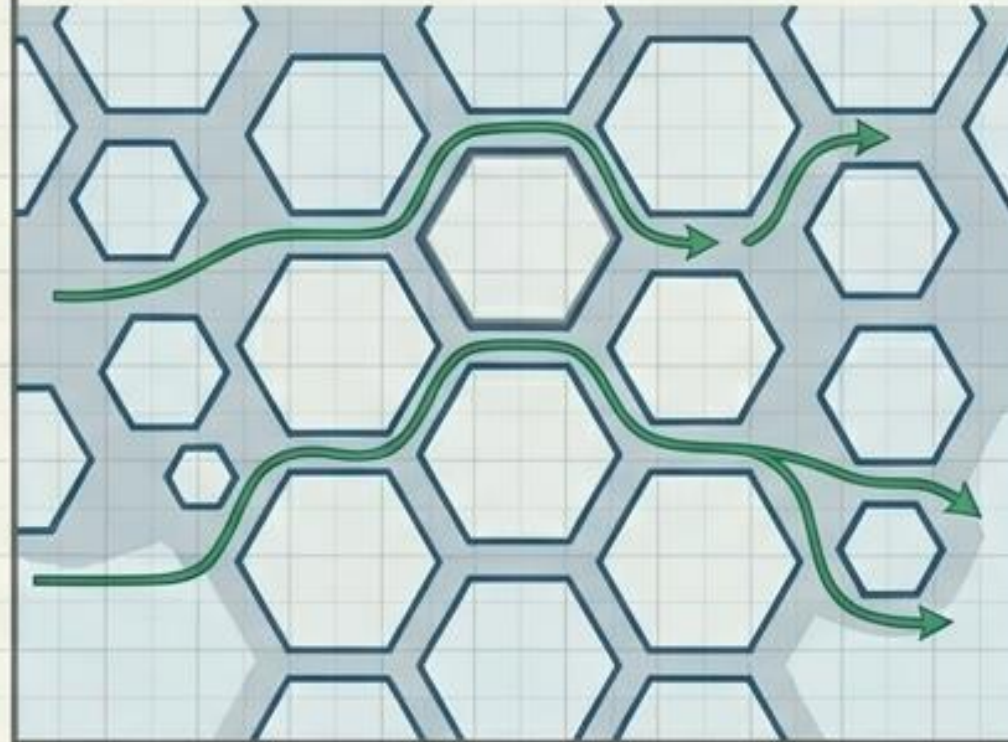
RSS-NMR translates rock data into precise, mathematical EOR profitability

1. Residual Saturation (Sor)



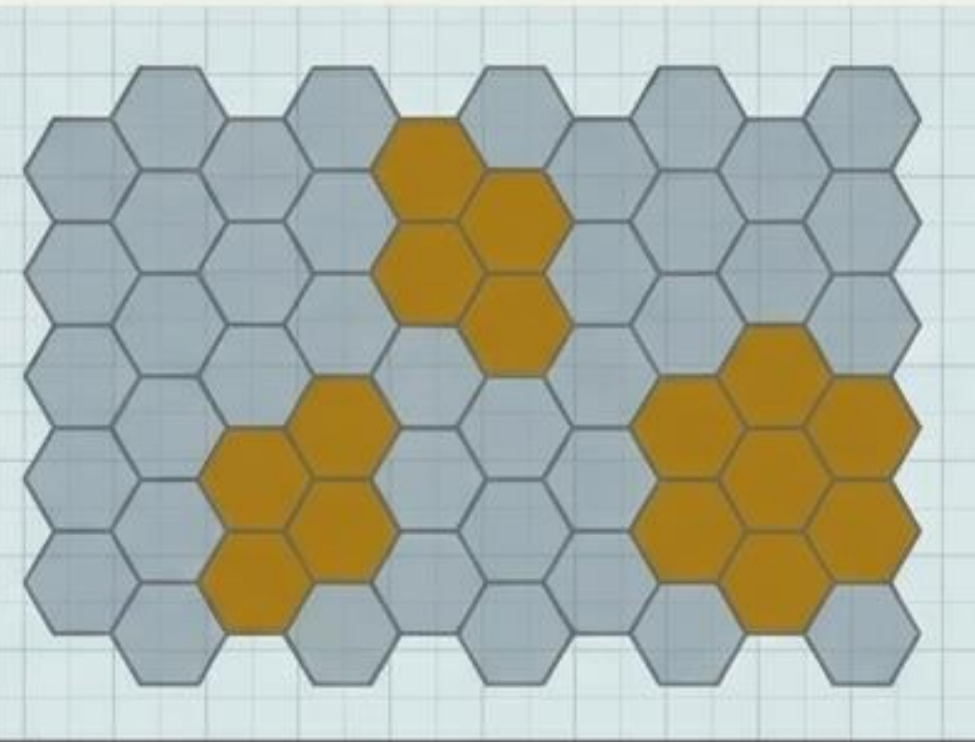
Continuous NMR and spectral analysis precisely measure the volume of immobile oil clinging to pore walls, defining exactly where EOR is mathematically viable.

2. Permeability & Heterogeneity



Generates a clear map of pore-size distribution, predicting exactly how fluids (polymers/gases) will sweep the reservoir without getting lost.

3. Smart Targeting

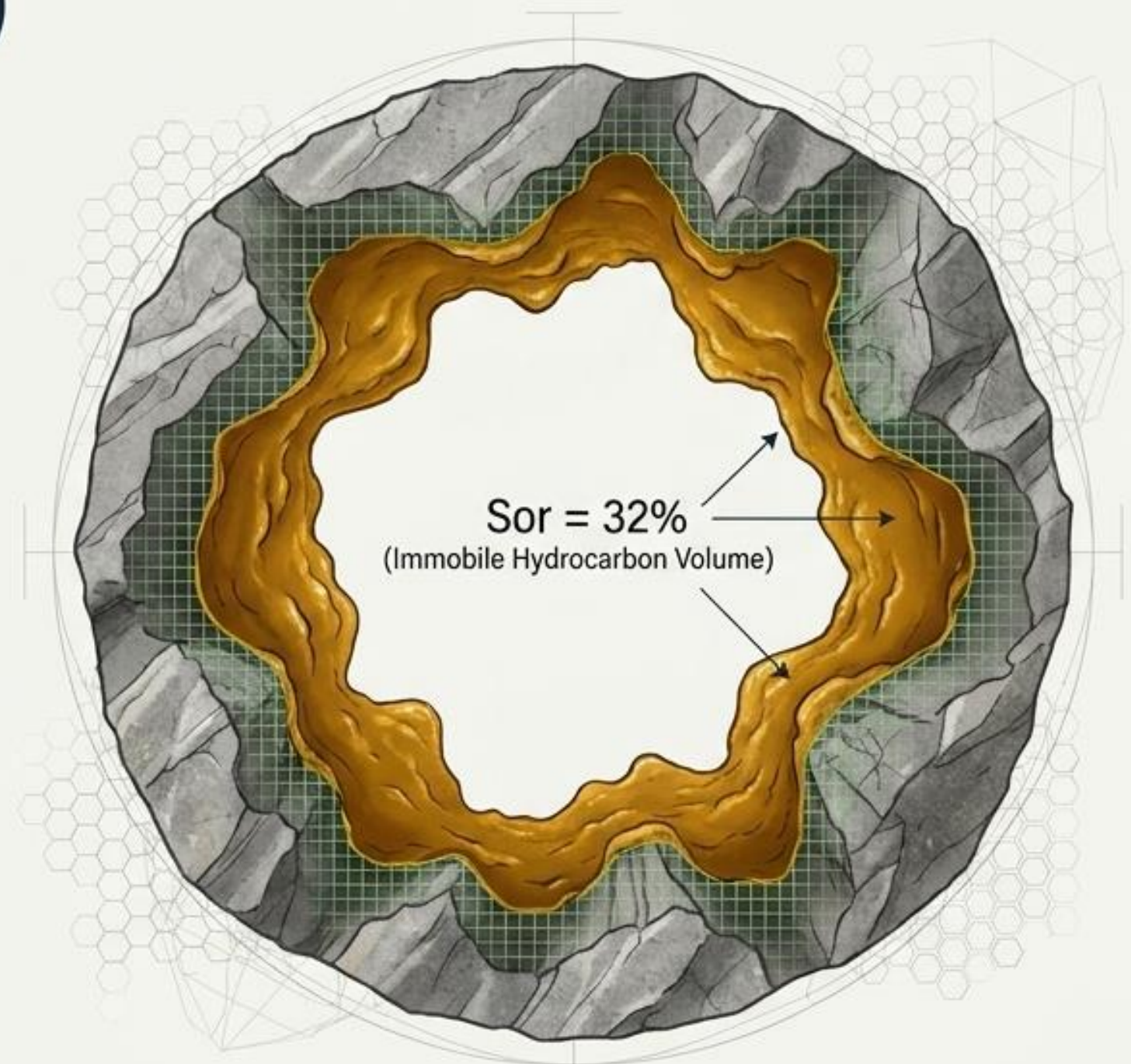


Eliminates blind, block-wide injection by isolating specific compartments verified to hold rich residual oil.







Quantifying the immovable: The science of Residual Saturation (Sor)

Traditional methods extract the loose oil in the pore center but cannot touch the oil adhered to the rock walls.

RSS-NMR is uniquely capable of detecting and quantifying this exact volume, providing the definitive target map for chemical or thermal solvents.

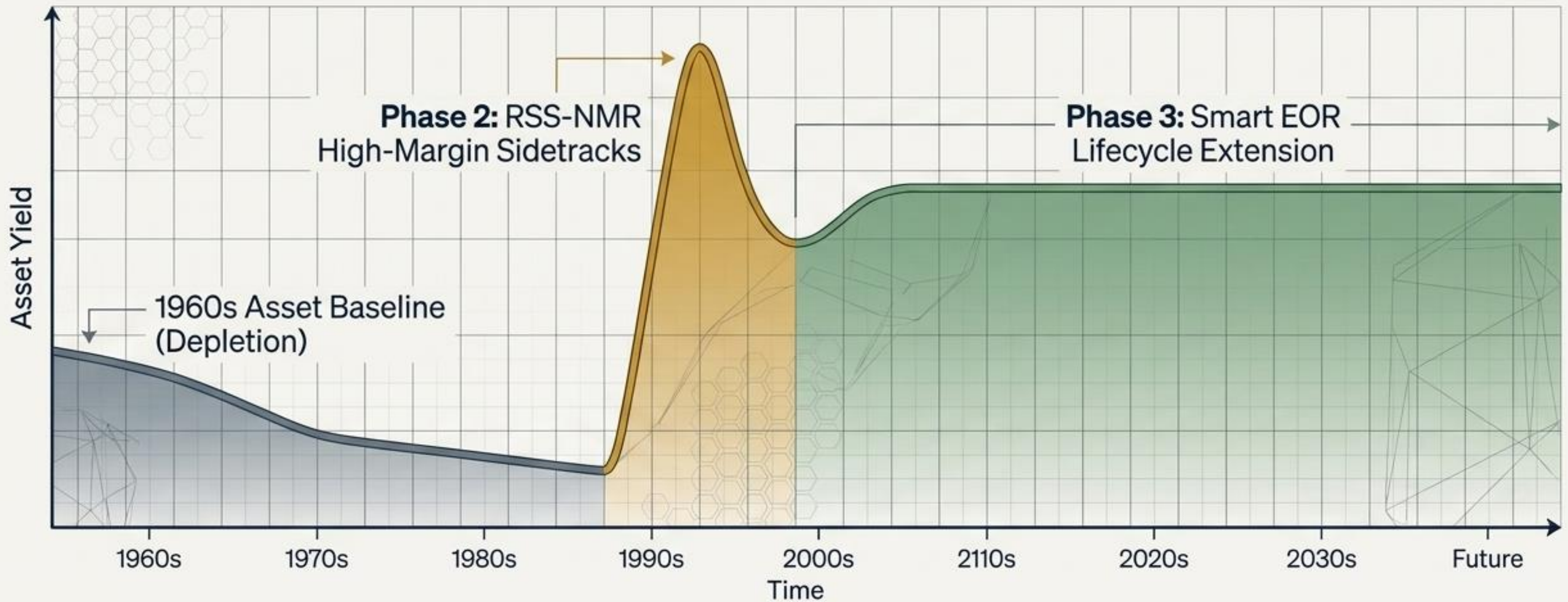


Strategy Matrix: Blind EOR vs. Smart EOR

Blind EOR (Traditional)	Smart EOR (via RSS-NMR)
Application Scope	
 <p>Blanket application across the entire block. (Highly wasteful)</p>	 <p>Pinpoint application strictly in verified, rich compartments.</p>
Fluid Dynamics	
 <p>Relies on assumed pathways, leading to high bypass rates through fractures.</p>	 <p>Utilizes mapped pore-size distributions for guaranteed, efficient reservoir sweeping.</p>
Economic Profile	
 <p>Massive sunk chemical costs with low yield predictability.</p>	 <p>De-risked investment targeting mathematically proven residual zones.</p>

The ultimate asset transformation: Decades of optimized yield

By bridging traditional exhaustion and advanced EOR, RSS-NMR transforms aging brownfields. It first extracts the invisible oil at a high margin, then utilizes the exact same fluid maps to launch a hyper-targeted, waste-free EOR program—extracting the absolute final barrel with maximum technological efficiency.





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in Russia

Voluntary certification system «Made in Russia»
Registered in the unified Register of registered voluntary certification systems
Reg. № РОСС RU.31685.04P009 from the 30th of May 2017

Система добровольной сертификации «Сделано в России»
Зарегистрирована в Едином реестре зарегистрированных систем
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Reg. № РОСС RU.31685.04P009 от 30 мая 2017 г.

CERTIFICATE OF CONFORMITY СЕРТИФИКАТ СООТВЕТСТВИЯ

№ CC.000647

Valid from 20.10.2025 to 05.10.2028

Срок действия с по

Applicant/Manufacturer: Poisk Group LLC, 299040, Russia, Sevastopol,
st. Khristofora, 143

Заявитель/Производитель: ООО «ГРУППА ПОИСК», 299040, Россия, г. Севастополь,
ул. Христофора, д. 143

Products: Methodology for calculating predicted ore reserves in deep-lying deposits, using
the parameters of ore bodies obtained using remote geospace methods of geological exploration
and field geophysical equipment of the Poisk complex (EACHN of the OJ 901809100)

Продукция: Методика подсчета прогнозируемых запасов руд в глубинных залежах, с
использованием параметров рудных тел, полученных с помощью дистанционных
геоспациальных методов геологического и полевого геофизического аппаратуры комплекса
«Поиск» (604 ТН 00Д, ЕАЭС 901809100)

Comply with the voluntary certification system "Made in Russia" requirements.
Соответствует требованиям Системы добровольной сертификации «Сделано в России».

Certificate is issued on the basis of: Declaration of conformity company Poisk Group LLC
on the Reliability of the voluntary certification system "Made in Russia" dated 07.10.2025 No. 105.
Сертификат выдан на основании: Декларации о соответствии компании
ООО «ГРУППА ПОИСК» № 105 от 07.10.2025 по направлению «Надежность» системы
добровольной сертификации «Сделано в России».

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Вице-президент



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000647

СИСТЕМА ДОБРОВОЛЬНОЙ СЕРТИФИКАЦИИ «ПРИНЦИП-ЭКСПЕРТ»
Reg. № РОСС RU.31678.04P010 от 16.10.2016 г.



СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС RU.31678.04P010

Срок действия с 20.10.2025 по 25.05.2028

№ 0057630

ОБЛАСТЬ СЕРТИФИКАЦИИ: РОСТОВСКАЯ ОБЛАСТЬ

Сфера и область применения продукции ООО «Група Поиск»: Методика подсчета прогнозируемых запасов руд в глубинных залежах, с использованием параметров рудных тел, полученных с помощью дистанционных геоспациальных методов геологического и полевого геофизического аппаратуры комплекса «Поиск» (EACHN of the OJ 901809100). Адрес электронной почты: info@poisk.ru

ПРОДУКЦИЯ: Методика подсчета прогнозируемых запасов руд в глубинных залежах, с
использованием параметров рудных тел, полученных с помощью дистанционных
геоспациальных методов геологического и полевого геофизического аппаратуры
комплекса «Поиск» (EACHN of the OJ 901809100)

дата СЭС
21.11.21

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ

дата СЭС
21.11.21

ИЗГОТОВИТЕЛЬ: Общество с ограниченной ответственностью «Група Поиск», ОГРН: 1020900000000, ИНН: 0905018844, адрес: 299040, РОССИЯ, город Севастополь, ул. Христофора, д. 143, телефон: +7(812)202-47-47, адрес электронной почты: info@poisk.ru

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НА ОСНОВАНИИ

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ДЕЯТЕЛЬНОСТЬ НАД: ЭКСПОРТНЫЕ УСЛУГИ

(Сфера профессионала: IT)



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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.