





## Why repurpose an idle well?

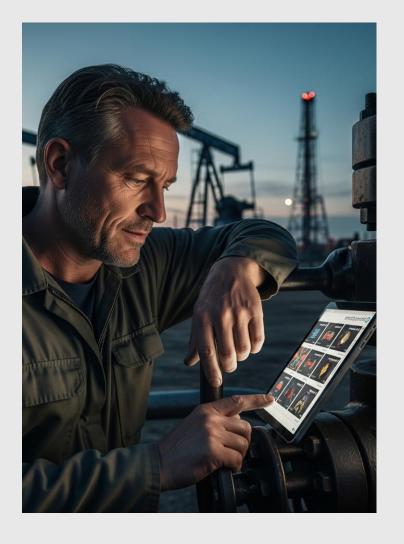
Cost **Savings** 

P&A

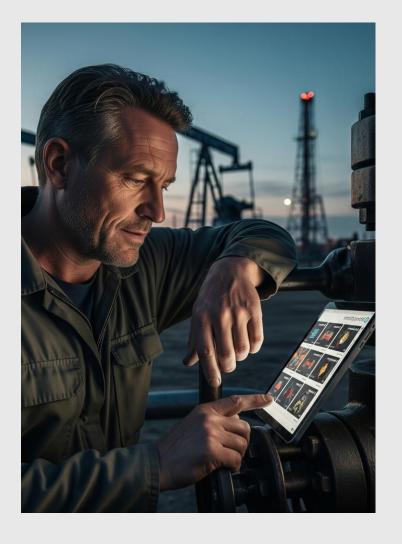
Repurpose



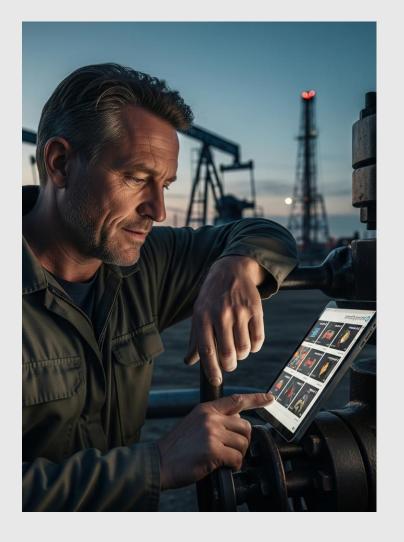




Option	Companies/Universities	
	Heard of	Met
RTP	100's	6
Geothermal	5	2
Gravity Energy Storage	1	1
Thermal Energy Storage	3	2
Compressed Air Energy Storage	2	2
Critical Mineral / Precious Metal Extraction	4	4
CCUS	80+	6
The idea I haven't heard of yet	•••	

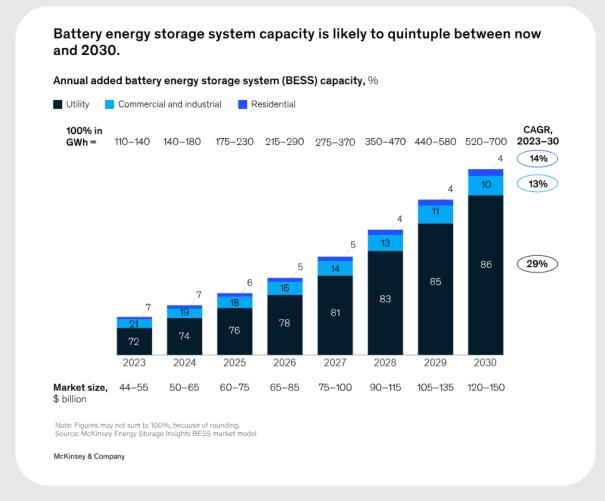


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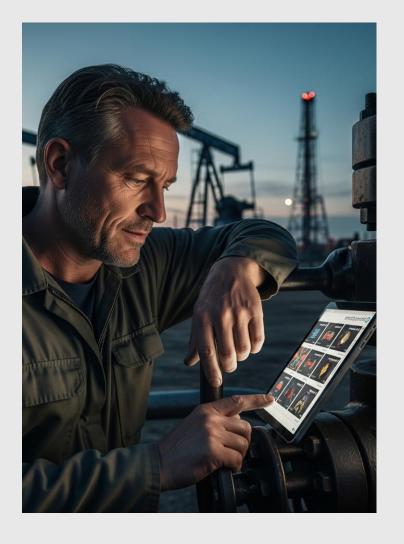


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## **Energy storage capacity will 5X by 2030**



- Energy storage capacity is increasing because the value of energy storage strong and expected to grow.
- Another reason why the P&A timeline for a energy storage conversion is decades away.

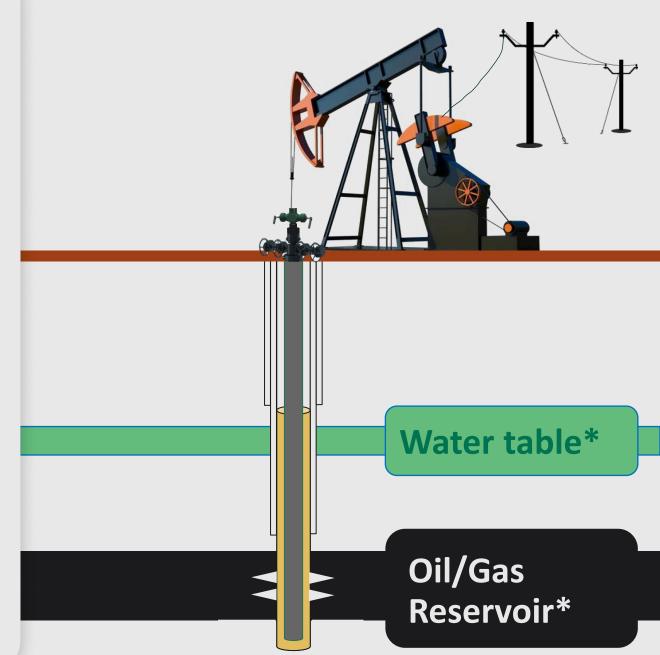


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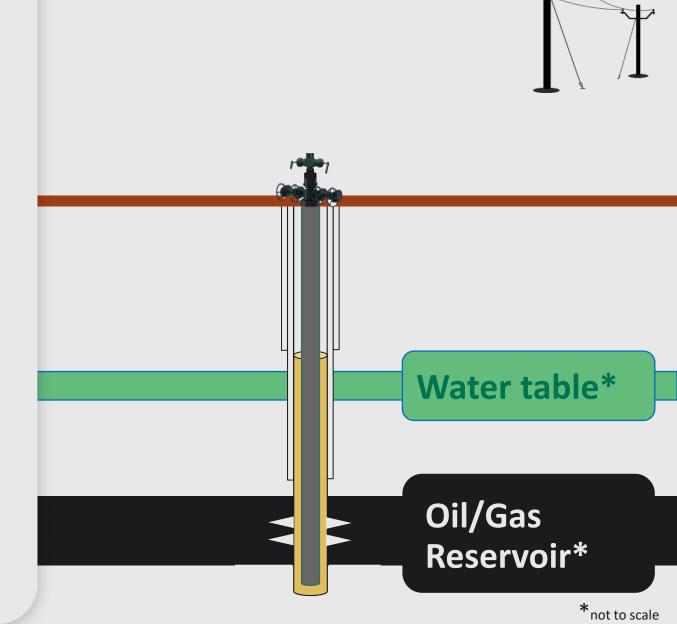


A Gravity Well is a plugged, monitored, and secured idle well ready to serve as a mechanical battery for 30+ years.

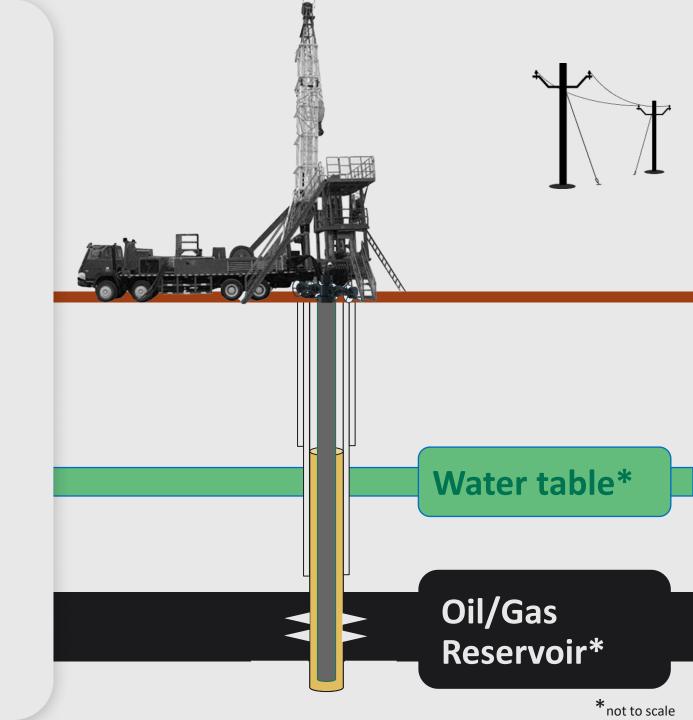
This is how the conversion works...



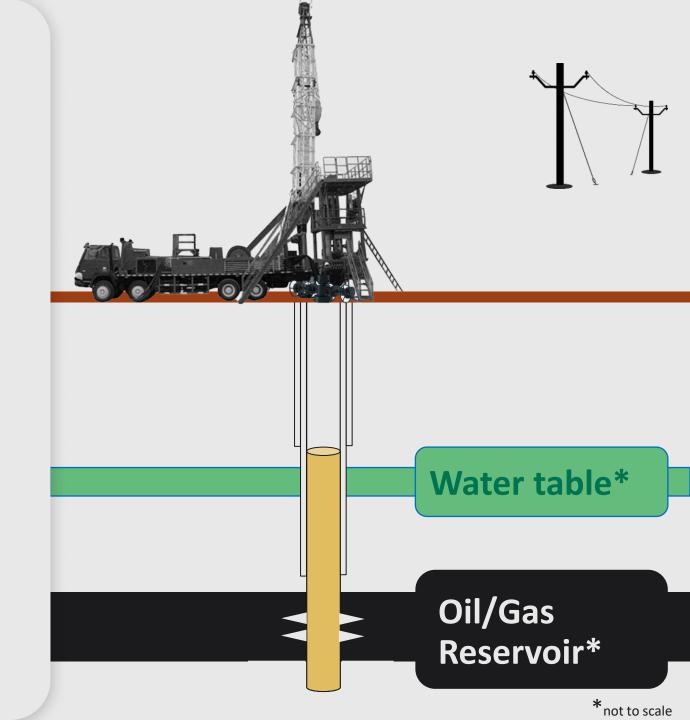
- 1. Remove legacy material & well prep
  - i. Surface equipment removal



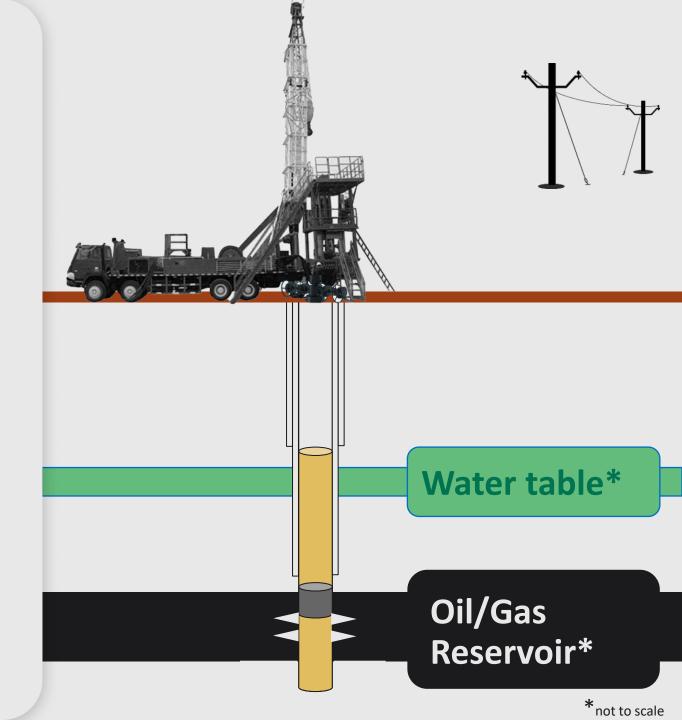
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  - i. Surface equipment removal
  - ii. Use workover rig to:



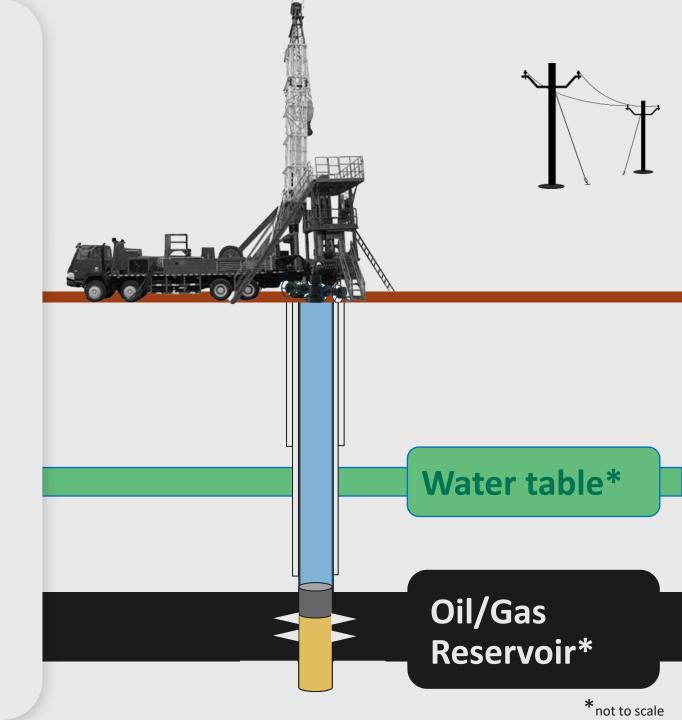
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    - i. Remove tubing/rods from the well



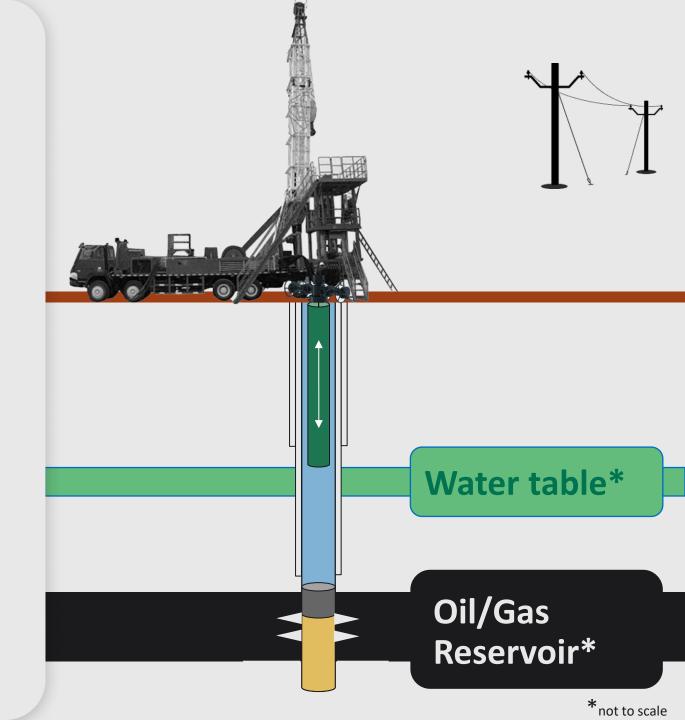
- 1. Remove legacy material & well prep
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  - ii. Use workover rig to:
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    - i. Install a bridge plug above the shallowest perforation



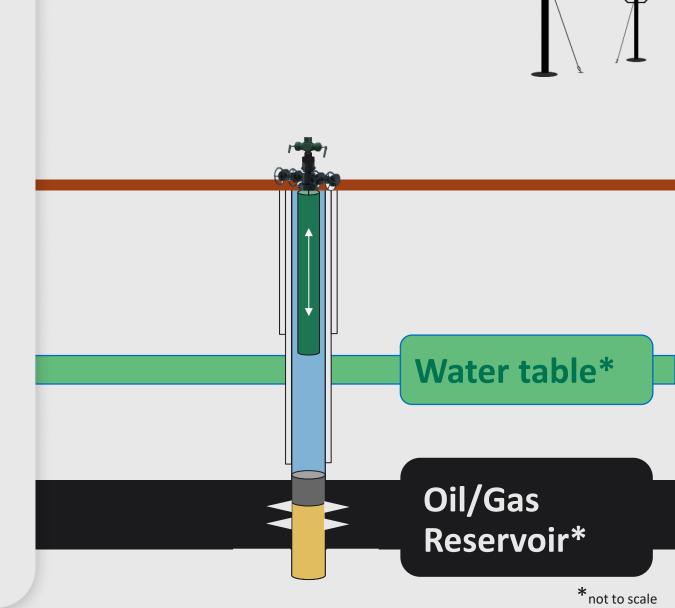
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    - iii. Run scraper and flush the well with packer fluid



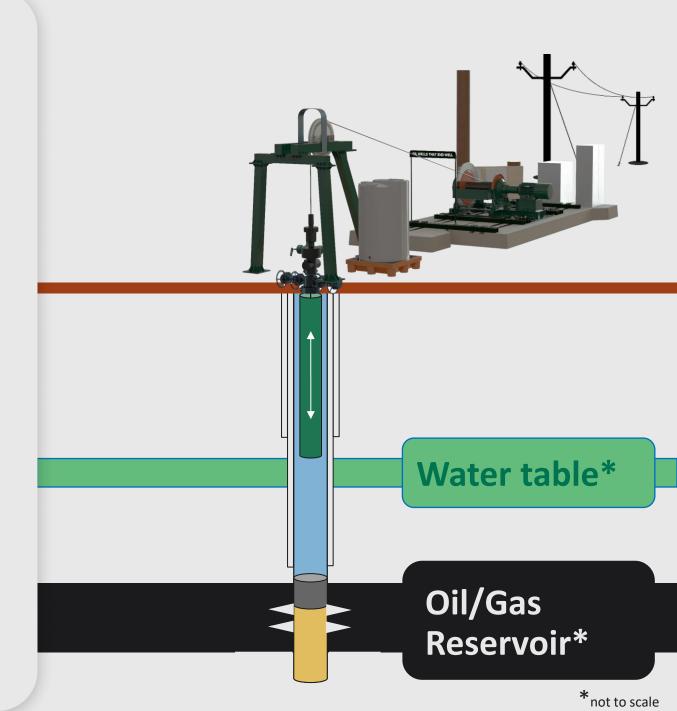
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- 2. Use the workover rig to install the weight



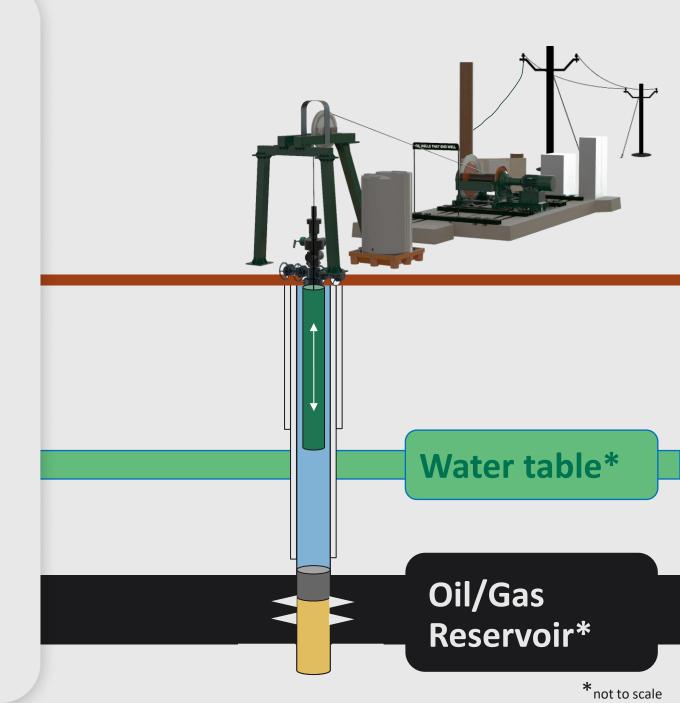
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- Install our energy storage and monitoring equipment
- 4. Connect to the electrical grid and begin operations



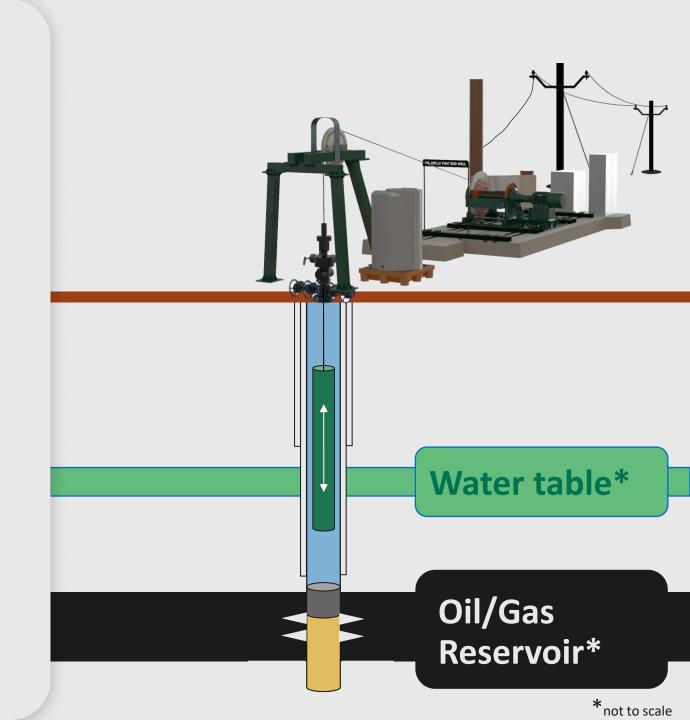
The result is a well that is:

#### Plugged and Protected

- Lower cost than traditional P&A
- Plug seals oil/gas reservoir
- Wellhead equipment for spill protection

#### Monitored 24/7

- Methane gas leak detection
- Mechanical integrity tests
- Fluid level in trip tank





Cost: Conversion vs P&A

## Why convert an idle well?

#### \$50k cost savings compared to P&A.

Details: For a suitable well, conversion to a Gravity Well costs less money, including our "Activation Fee", and you keep the cost savings.

Remediate Surface

Cut out wellhead

Between 3 to 8
cement plugs

Well Prep

#### **Cost Savings**

Activation Fee: oil company pays Renewell

Bridge Plug Well Prep





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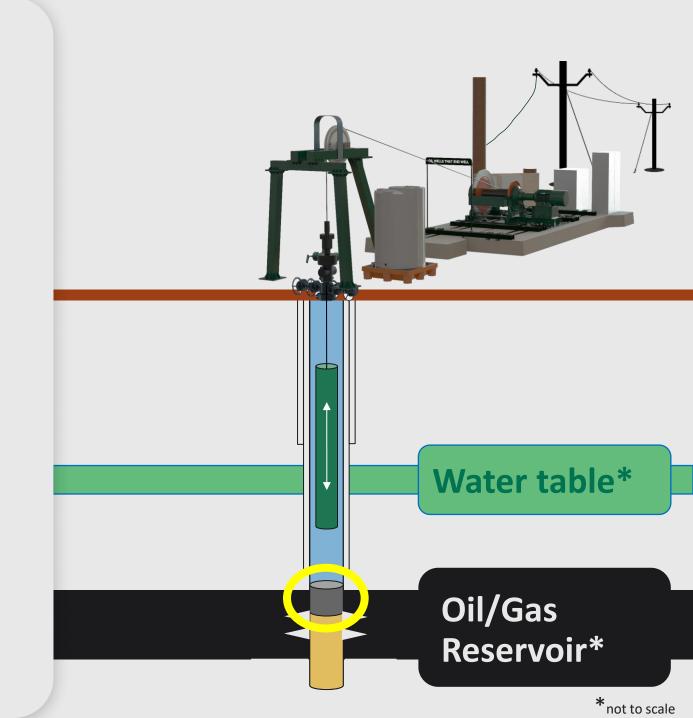
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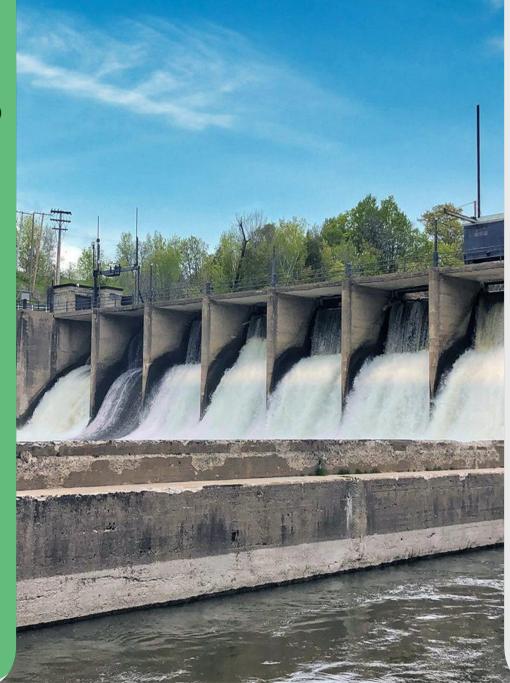
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## Preserve optionality for how long?

- The Rocky River Pumped Hydro Station was built ~100
   years ago and is still operating today.
- Gravity-based energy storage has no production decline (unlike oil/gas production).
- The P&A obligation is delayed as long as the well casing holds integrity.

Location: New Milford, CT River System: Housatonic River Capacity: 29 MW Turbines: 2 GE (3.5 MW) and 1 GE (23 MW)

**Originally Built: 1928** 

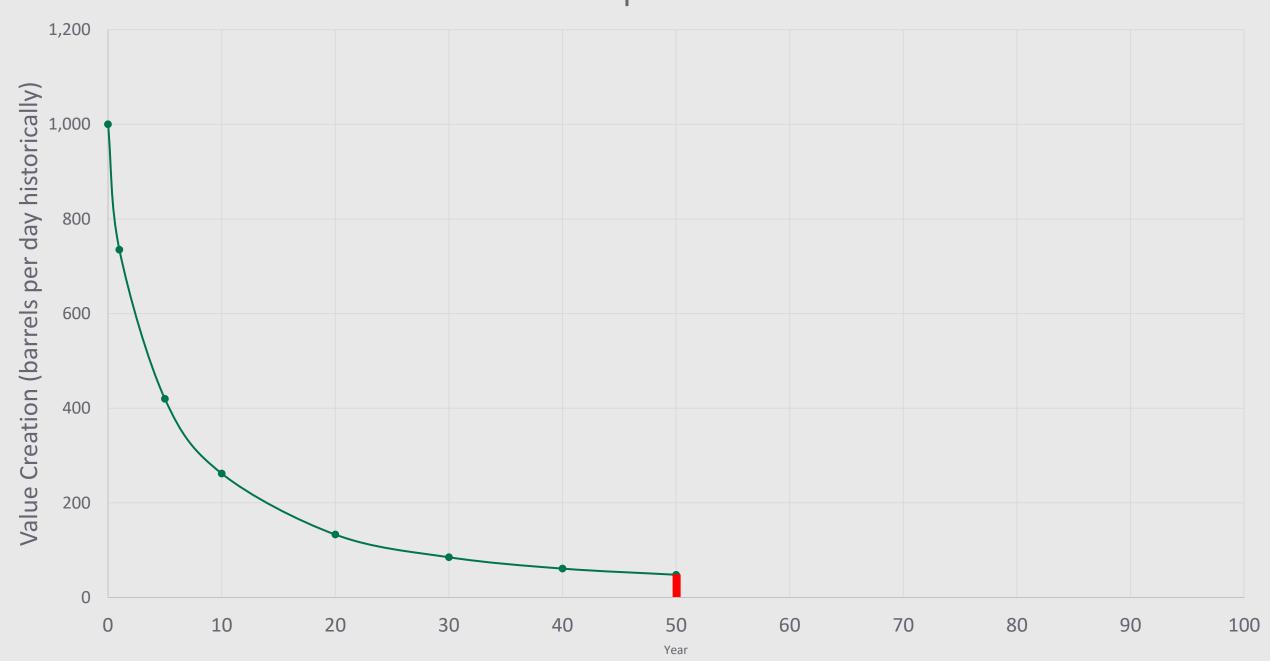
#### **Perfect Time in Colorado**

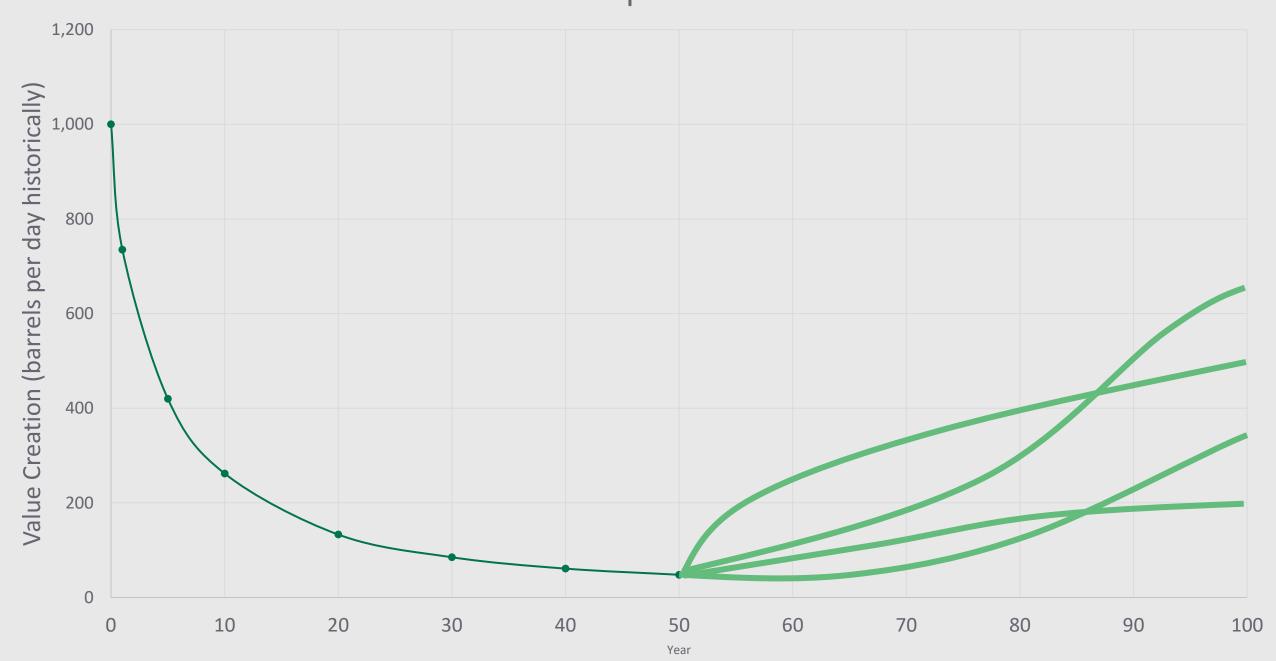
2024: Colorado bill (SB24 – 218)
 passed that forces utilities to create a
 market for energy storage

 2025: ECMC has greenlighted designation: "Beneficial Use". This new status removes wells from the plugging list.

\*\*New Mexico and California are similarly advanced







# Thanks! Interested? I'd love to chat.

stefan@renewellenergy.com



