

Meet - ayn-ggsa-abi

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nitin lahkar (Presenting)

Example of AI/ML (Middle-East)

• Si-Hai Zhang et al. *Seismic Facies Recognition and Stratigraphic Trap Characterization Based on Neural Networks*, IPTC, 2019

Conclusion:
 In a part of the field, two distinct sedimentary systems evolved: an aeolian system towards the western side and a fluvial system towards the eastern side. The section dominated by aeolian dunes (sandstone reservoir) and playa (siltstone seal) in the western region exhibits **good potential**, validated by the presence of hydrocarbons discovered in the wells that were drilled. The eastern area however, characterized by a prevalence of fluvial features seemed less favorable due to the lack of reliable sealing mechanisms.

4:02 PM | ayn-ggsa-abi

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akhtar ahmed (Presenting)

CCUS Initiatives-OIL

- ❖ CO₂ Miscible Flood EOR in Naharkatiya Oil Field
 One inverted 5-spot patterns- requires drilling of one injector well.
- ❖ CO₂ requirement for the project: ~24455 tons per annum (67 Tons /day).
- ❖ Expected permanent sequestration of injected CO₂:~40%
- ❖ Incremental Oil gain over Base case : ~ 0.26 MMm³
- ❖ The process started with initial water injection which will be followed by CO₂.

3:18 PM | ayn-ggsa-abi