

CCUS GOM

CCUS GoM is a Subsurface Study defining the Carbon Capture, Utilization and Storage (CCUS) capacity and risks of key prospects in protraction areas of the US Gulf of Mexico Comprehensive Machine Learning was successfully implemented throughout the areas.

This extensive AOI study is focused offshore Texas, encompassing a total area of 31,197 km², utilizing 8x 3D coupled with 3x 2D data volumes, and incorporating up to 4,137 wells. Products are available from Q1 2023. See overleaf for details.

Please contact us to find out more:

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Learn more at www.geoexmcg.com/CCUSGoM



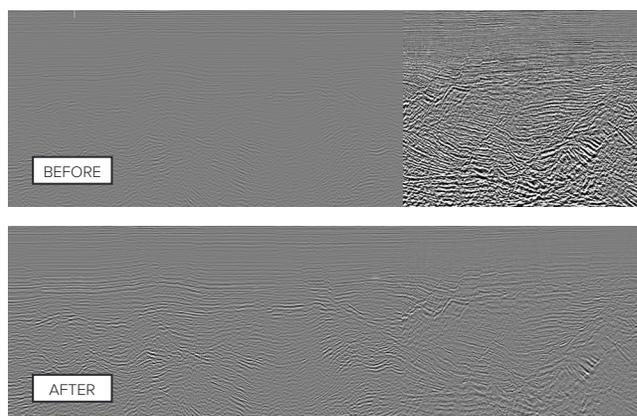
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MACHINE LEARNING WORKFLOW



Data Conditioning

1. Assess public domain data for internal inconsistencies
2. Extract wavelets to compare survey quality
3. Select reference survey
4. Bulk scale matching to reference survey
5. Mistie to correct for time shift
6. Time matching using gain pairs
7. True amplitude frequency equalization
8. Phase and wavelet matching



Deliverables

#	Description
1	Study Area Outline
2	Unassigned Fault Pick (TWT)
3	Horizon Mapping (TWT)
4	Isochron Mapping (TWT)
5	Interpretation of Tectonostratigraphic Evolution
6	Predominant-Lithology Framework at Key Wells
7	Regional Structural Cross-Sections Through Key Wells
8	Predominant-Lithology Cross-Sections Through Key Wells
9	Review of Digital Data Distribution, Selection of Key Wells

#	Description
10	Petrophysical Analysis in Key Wells
11	Volumetric Capacity and Screening Economics by Lead
12	Top Seal Risk Analysis for Most Prospective Reservoirs
13	Summary Documentation
14	Digital Deliverables as Fundamentals Files from BOEM
15	Navigation Data
16	Raw Digital Well Data (BOEM)
17	Digital Kingdom Project
18	Project in Non-Kingdom Software