

Section 1 - Site Characterization: Citations to Documents Cross Reference

Citation in Section 1	PBI	Document / Comments
Durham Jr., C. (1974). The Gulf Coast Geosyncline. Houston Geological Society, 2007, 1-14.	Yes	PBI_Durham_1974.pdf
Galloway, W., Ganey-Curry, P., Li, X., and Buffler, R. (2000). Cenozoic depositional history of the Gulf of Mexico basin. AAPG Bulletin, Vol. 84, No. 11, 1743-1774.	Yes	PBI_Galloway_2000.pdf
Galloway, W. (2008). Depositional evolution of the Gulf of Mexico sedimentary basin. Sedimentary basins of the world, Vol. 5, 505-549.	No	Galloway_2008.pdf
Galloway, W., Whiteaker, T., and Ganey-Curry, P. (2011). History of Cenozoic North American drainage basin evolution, sediment yield, and accumulation in the Gulf of Mexico basin. Geosphere, 938-973.	No	Galloway_Whiteaker_Gainey-Curry_2011.pdf
Hulsey, J. (2016). Applying modern interpretation techniques to old hydrocarbon fields to find new reserves: A case study in the onshore Gulf of Mexico, U.S.A. University of New Orleans Theses and Dissertations.	No	Hulsey_2016.pdf
Meckel, T., and Trevino, R. (2014). Gulf of Mexico Miocene CO2 Site Characterization Mega Transect, Final Scientific/Technical Report (Revised). Bureau of Economic Geology, DOE Report DE-FE0001941.	No	Meckel_Trevino_2014.pdf
Peel, F., Travis, C., and Hossack, J. (1995). Genetic structural provinces and salt tectonics of the Cenozoic offshore U.S. Gulf of Mexico: a preliminary analysis. AAPG Memoir 65, 153- 175.	Yes	PBI_Peel_1995.pdf
Roberts-Ashby, T., Brennan, S., Buursink, M. et al. (2014). Geologic framework for the national assessment of carbon dioxide storage resources – US Gulf Coast. US Geological Survey.	No	Roberts-Ashby_2014.pdf
Salvador, A. (1987). Late Triassic-Jurassic Paleogeography and Origin of Gulf of Mexico Basin. The American Association of Petroleum Geologists Bulletin, Vol. 71, No. 4, 419-451.	Yes	PBI_Salvador_1987.pdf
Vidrine, L. (1958). Regional Study of portions of Jefferson, Plaquemines and St. Charles Parishes, Louisiana. Gulf Coast Association of Geological Societies, Vol. VIII, 105-115.	Yes	PBI_Vidrine_1958.pdf
Wu, X., and Galloway, W. (2002). Upper Miocene Depositional History of the Central Gulf of Mexico Basin. Gulf Coast Association of Geological Societies, Vol. 52, 1019-1030.	Yes	PBI_Wu_2002.pdf
Combellas-Bigott, R., and Galloway, W. (2006). Depositional and structural evolution of the middle Miocene depositional episode, east-central Gulf of Mexico. AAPG Bulletin, Vol. 90, No. 3, 335-362.	Yes	PBI_Combellas-Bigott_2006.pdf
Galloway, W. (1989). Genetic stratigraphic sequences in basin analysis I: Architecture and genesis of flooding-surface bounded depositional units. The American Association of Petroleum Geologists Bulletin, Vol. 73, No. 2, 125-142.	Yes	PBI_Galloway_1989.pdf
Galloway, W., Ganey-Curry, P., Li, X., and Buffler, R. (2000). Cenozoic depositional history of the Gulf of Mexico basin. AAPG Bulletin, Vol. 84, No. 11, 1743-1774.	Yes	PBI_Galloway_2000.pdf
Hentz, T., and Zeng, H. (2003). High-frequency Miocene sequence stratigraphy, offshore Louisiana: Cycle framework and influence on production distribution in a mature shelf province. AAPG Bulletin, Vol. 87, No. 2, 197-230.	No	Hentz_2003.pdf

Citation in Section 1	PBI	Document / Comments
Meckel, T., and Trevino, R. (2014). Gulf of Mexico Miocene CO2 Site Characterization Mega Transect, Final Scientific/Technical Report (Revised). Bureau of Economic Geology, DOE Report DE-FE0001941.	No	Meckel_Trevino_2014.pdf
Olariu, M., DeAngelo, M., Dunlap, D., and Trevino, R. (2019). High frequency (4th order) sequence stratigraphy of Early Miocene deltaic shorelines, offshore Texas and Louisiana. Marine and Petroleum Geology, GCC Publication Series #2019-10.	Yes	PBI_Olariu_2019.pdf
Backeberg, N. R., Iacoviello, F., Rittner, M. et al. (2017). Quantifying the anisotropy and tortuosity of permeable pathways in clay-rich mudstones using models based on X-ray tomography. Scientific Report 7, 14838.	No	Backeberg_2017.pdf
Cambois, G. (2000). AVO inversion and elastic impedance, SEG Technical Program Expanded Abstracts, 142-145. https://doi.org/10.1190/1.1815671	Yes	PBI_Cambois_2000.pdf
Connolly, P. (1999). Elastic Impedance, The Leading Edge, Vol. 18, 438-452. https://doi.org/10.1190/1.1438307	Yes	PBI_Connolly_1999.pdf
Zhou, Z. and F. Hilterman, 2007, Is there a basis for all AVO attributes? SEG Technical Program Expanded Abstracts, 244-248. https://doi.org/10.1190/1.2792419	Yes	PBI_Zhou_2007.pdf
Althaus, V. E. (1977). A New Model for Fracture Gradient. The Journal of Canadian Petroleum, 98-108.	Yes	PBI_Althaus_1977.pdf
Eaton, B. A. (1969). Fracture Gradient Prediction and Its Application in Oilfield Operations. SPEAIME, 1353-1360. https://onepetro.org/JPT/article/21/10/1353/164490/FractureGradient-Prediction-and-Its-Application (accessed 2023	No	Eaton_1969.pdf
Nelson, P. H. (2012). Overpressure and Hydrocarbon Accumulations in Tertiary Strata, Gulf Coast of Louisiana. AAPG, 2008.	No	Nelson_2012.pdf
Freed, R. L. (1979). Shale Mineralogy and Burial Diagenesis of Frio and Vicksburg Formations in Two Geopressured Wells, McAllen Ranch Area, Hidalgo County, Texas. The University of Texas at Austin, Bureau of Economic Geology.	No	Freed_1979.pdf
Hovorka, S. D., and Knox, P. R. (2003). Frio Brine Sequestration Pilot in the Texas Gulf Coast. Greenhouse gas control technologies: Proceedings, 6th International Conference on Greenhouse Gas Control Technologies, GCCC Digital Publication Series #03-01, 583-587.	No	Horvoka_Knox_2003.pdf
Loucks, R. G., and Moseley, M. G. (1977). Factors Controlling Geopressured Geothermal Reservoir Quality – Frio Sandstone Facies, Texas Gulf Coast. The University of Texas at Austin, Bureau of Economic Geology, 315-348.	No	Loucks_Moseley_1977.pdf
McGuire, K. A., and Grigsby, J. D. (2009). CO2 Injection and Reservoir Characterization: An Integrated Petrographic and Geochemical Study of the Frio Formation, Texas. Ball State University, Thesis.	No	McGuire_Grigsby_2009.pdf
Meckel, T., and Trevino, R. (2019). Offshore CO2 Storage Resource Assessment of the Northern Gulf of Mexico (Texas-Louisiana). The University of Texas at Austin, Bureau of Economic Geology, DUNS No. 170230239.	No	Meckel_Trevino_2019.pdf
Palandri, J. L., and Kharaka, Y. K. (2004). A Compilation of Rate Parameters of Water-Mineral Interaction Kinetics for Application to Geochemical Modeling. USGS Open File Report 2004-1068.	No	Palandri_Kharaka_2004.pdf

Citation in Section 1	PBI	Document / Comments
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Weaver, C. E. (1977). Fine-Grained Sheet Silicate Rocks. Union Carbide Corporation, Nuclear Division Office of Waste Isolation, Subcontract No. 7009.	No	Weaver_1977.pdf
Curole, C., and Landry, D. (2015). St. Charles Parish Local Coastal Program Document. St. Charles Parish Department of Planning & Zoning Coastal Zone Management.	No	Curole_Lndry_2015.pdf
White, V., and Prakken, L. (2015). Water Resources of St. Charles Parish, Louisiana. U.S. Geological Survey.	No	White_Prakken_2015.pdf
Augurisk (2020). St. Charles Parish, Louisiana: https://www.augurisk.com/risk/state/louisiana/st.-charles-parish/22089 (accessed April 2024).	No	https://www.augurisk.com/risk/state/louisiana/st.-charles-parish/22089
Crone, A. J., and Wheeler, R. L. (2000). Data for Quaternary faults, liquefaction features, and possible tectonic features in the Central and Eastern United States, east of the Rocky Mountain front. U.S. Geological Survey, U.S. Department of the Interior Open-File Report 00-260.	No	Crone_Wheeler_2000.pdf
"Frequency of Damaging Earthquake Shaking Around the U.S." USGS sources include Earthquake Hazards Program. https://www.usgs.gov/media/images/frequency-damaging-earthquake-shaking-around-us (accessed 2024)	No	https://www.usgs.gov/media/images/frequency-damaging-earthquake-shaking-around-us
Gagliano, S. M., Kemp III, E. B., Wicker, K. M. et al. (2003). Neo-tectonic Framework Of Southeast Louisiana And Applications To Coastal Restoration. Gulf Coast Association of Geological Societies Transactions, Vol. 53, 262-276.	Yes	PBI_Gagliano_et_al_2003.pdf
National Risk Index FEMA, St. Charles Parish, LA. https://hazards.fema.gov/nri/learn-more (accessed April 2024)	No	https://hazards.fema.gov/nri/learn-more
Meckel, T., and Trevino, R. (2014). Gulf of Mexico Miocene CO2 Site Characterization Mega Transect, Final Scientific/Technical Report (Revised). Bureau of Economic Geology, DOE Report DE-FE0001941.	No	Meckel_Trevino_2014.pdf
Petersen, M. D., Shumway, A. M., Powers, P. M. et al. (2023). The 2023 US 50-State National Seismic Hazard Model: Overview and Implications. Earthquake Spectra, Vol. 40(I), 5-88.	No	Petersen_et_al_2023.pdf
Stevenson, D. A., and McCulloh, R. P. (2001). Earthquakes in Louisiana. Louisiana Geological Survey, Public Information Series No. 7.	No	Stevenson_McCulloh_2001.pdf
USGS U.S. Quaternary Faults. https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf (accessed Feburary 2024)	No	https://usgs.maps.arcgis.com/apps/webappviewer/index.html?id=5a6038b3a1684561a9b0aadf88412fcf
Aird, P. (2019). Chapter 2 - Deepwater Geology & Geoscience. https://www.sciencedirect.com/topics/engineering/overburden-stress (accessed 2023).	No	Arid_2019.pdf
Molina, O., Vilarrasa, V., and Zeidouni, M. (2016). Geologic carbon storage for shale gas recovery. Energy Procedia, Vol. 114, 5748-5760.	No	Molina_Vilarrasa_Zeidouni_2016.pdf

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Zhang, J., and Bentley, L. (2005). Factors determining Poisson’s ratio. CREWES Research Report, Vol. 17, 1-15	No	Zhang_Bentley_2005.pdf

Section 2 – Plume Model: Citations to Documents Cross Reference

Citation in Section 2	PBI	Document / Comments
Yale, D.P., Nabor, G.W., Russell, J.A. et al. (1993). Application of variable formation compressibility for improved reservoir analysis. Presented at the SPE Annual Technical Conference and Exhibition, Houston, TX, October 3-6, 1993. SPE 26647.	No	Yale_1993.pdf
Loucks, R., and Dutton, S. "Northern Gulf of Mexico Sandstone Reservoir Quality Database (GOMRQ): Multiple Data Types for Evaluating Reservoir Quality Risk." Report of Investigations No. 289., 2023	Yes	Doi.org/10.23867/RI0289D
Althaus, V. E. (1977). A New Model for Fracture Gradient. The Journal of Canadian Petroleum, 98-108	Yes	PBI_Althaus_1977.pdf
Eaton, B. A. (1969). Fracture Gradient Prediction and Its Application in Oilfield Operations. SPE-AIME, 1353-1360. https://onepetro.org/JPT/article/21/10/1353/164490/Fracture-Gradient-Prediction-and-Its-Application (accessed 2023)	No	Eaton_1969.pdf
Nelson, P. (2012). "Overpressure and Hydrocarbon Accumulations in Tertiary Strata, Gulf Coast of Louisiana." USGS.	No	Nelson_2012.pdf
Carlson, F.M. (1981). Simulation of Relative Permeability Hysteresis to the Nonwetting Phase, SPE Paper #10157. Presented at the 56th Annual SPE Fall Technical Conference.	No	Carlson_1981.pdf
Holtz, M. (2005). “Reservoir Characterization Applying Residual Gas Saturation Modeling, Example from the Starfak T1 Reservoir, Middle Miocene Gulf of Mexico”.	No	Holtz_2005.pdf
Davis, K.E. (1986). Factors affecting the area of review for hazardous waste disposal wells. Proceedings of the International Symposium on Subsurface Injection of Liquid Wastes, New Orleans, National Water Well Association, Dublin, Ohio, 148-194.	No	Davis_1986.pdf

Section 3 – Area of Review and Corrective Action: Citations to Documents Cross Reference

Citation in Section 3	PBI	Document / Comments
Davis, K.E. (1986). Factors affecting the area of review for hazardous waste disposal wells. Proceedings of the International Symposium on Subsurface Injection of Liquid Wastes, New Orleans, National Water Well Association, Dublin, Ohio, 148-194.	No	Davis_1986.pdf

Section 5 – Testing and Monitoring Plan: Citations to Documents Cross Reference

Citation in Section 5	PBI	Document / Comments
Burnison, S. A., Livers, A. J., Hamling, J. A., Slaako, O., and Gorecki, C. D., 2016, Design and implementation of a scalable, automated, semi-permanent seismic array for detecting CO2 extent during geologic CO2 injection: 13th International Conference on Greenhouse Gas Control Technologies, GHGT-13, 14-18 November 2016, Lausanne, Switzerland, p. 3879- 3888.	No	Burnison_et_al_2016.pdf
Daley, T. M. et al. (2006). In-situ borehole seismic monitoring of injected CO2 at the Frio Site: Proceedings, CO2SC Symposium Lawrence Berkeley National Laboratory, Berkeley, California, March 20-22, 2006, p. 36 – 38.	Yes	PBI_Daley_et_al_2006.pdf
Gordon, A. et al. (2016). VSP azimuthal travel time analysis at the Field Research Station near Brooks, Alberta: CREWES Research Report, Volume 28, 20 p.	No	Gordon_et_al_2016.pdf
Gupta, N. et al. (2020). Time-Lapse Vertical Seismic Profiling (VSP) for CO2 Storage in a Depleted Oil Field in Northern Michigan: United States: N. p., 2020. Web. doi: 10.2172/1773352.	No	Gupta_et_al_2020.pdf
Livers, A. J. (2017). CO2 Injection Monitoring with a Scalable, Automated Sparse Seismic Array: U.S. Department of Energy, National Energy Technology Laboratory, Mastering the Subsurface Through Technology Innovation, Partnerships and Collaboration: Carbon Storage and Oil and Natural Gas Technologies Review Meeting August 1–3, 2017.	No	Livers_2017.pdf
Roach, L.A. et al. (2015). Assessment of 4D seismic repeatability and CO2 detection limits using a sparse permanent land array at the Aquistore CO2 storage site. GEOPHYSICS 80: WA1-WA13.	Yes	PBI_Roach_et_al_2015.pdf
Vasco, D. W. et al. (2019). The seismic response to injected carbon dioxide: Comparing observations to estimates based upon fluid flow modeling. JGR Solid Earth, v. 124, n. 7. p. 6880-6907.	No	Vasco_et_al_2019.pdf