

SALT NIL ZONE PROJECT

GULF OF MEXICO – OFFSHORE TEXAS AND LOUISIANA



The Salt Nil Zone has been defined as the thickness over which the density of the surrounding sediment is the same as the density of salt (Bain, Weyand, et.al, 1993). Within this Zone, salt accumulations would be essentially transparent to the gravity method. Acoustic impedance (being the product of velocity and density) would also be similarly effected, particularly if the host rock has high velocity. It is therefore useful to know the geometry of the Nil Zone prior to undertaking seismic and gravity modeling of an exploration prospect.

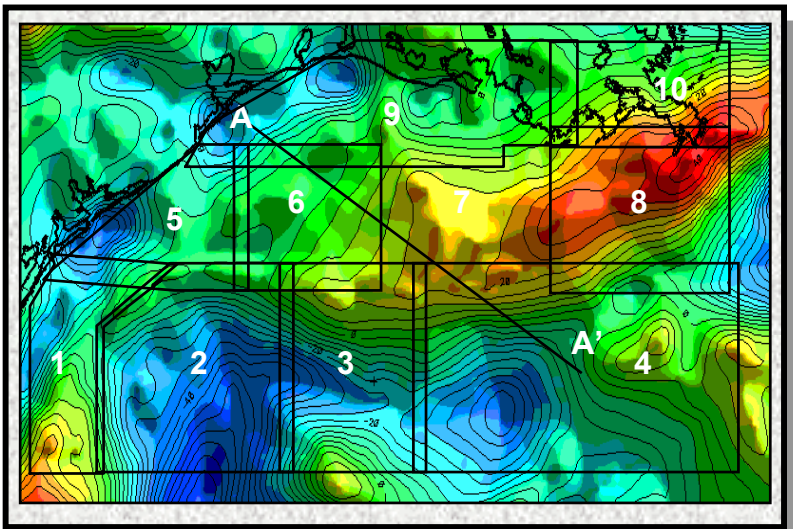


Figure 2a.
Profile Line Location Map
(Projected on Satellite - Derived Gravity Map)

Fugro-LCT, Inc. is pleased to announce the immediate availability of the Salt Nil Zone Project, covering offshore Texas and Louisiana. This project has been derived from Geophysical Development Corporation's (GDC) extensive rock properties data base. Participation in the Salt Nil Zone Project is contingent on owning a license to two of GDC's projects: "Rock Properties Catalog, Offshore Texas and Louisiana" and "Deep Water Study - Phase 1".

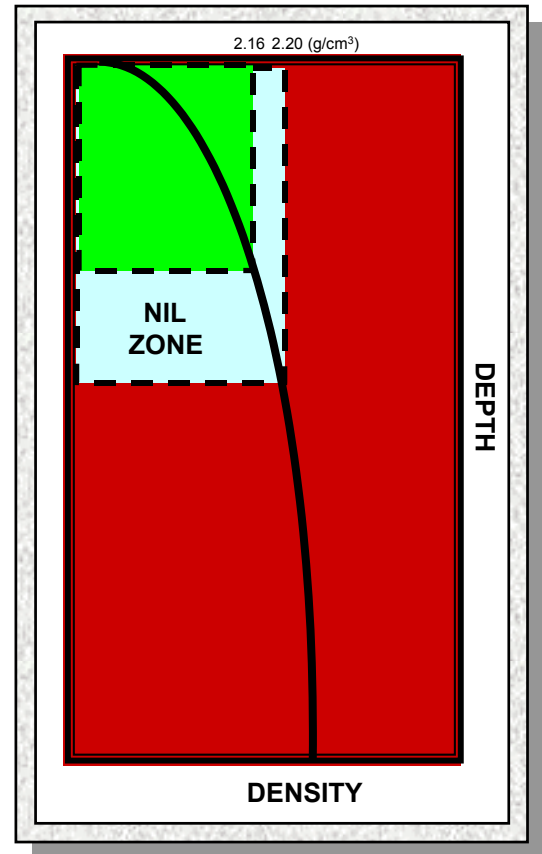


Figure 1.
Density Versus Depth Curve
(Typical density versus depth for the Gulf of Mexico)

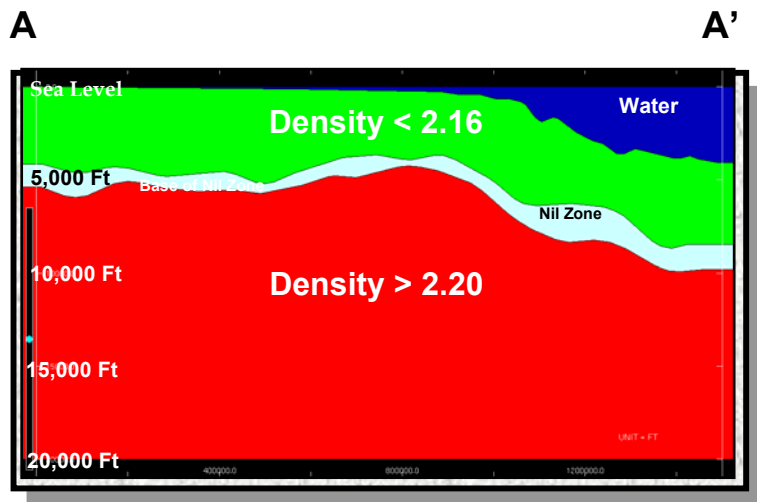


Figure 2b.
Cross Section Showing the "Nil Zone"

The products from the Salt Nil Zone Project include:

- Top of Nil Zone (defined to be the deepest depth of sediments with density less than 2.16 g/cm³)
- Base of Nil Zone (defined to be the shallowest depth of sediments with density greater than 2.20 g/cm³)
- Nil Zone Isopach

These maps are provided at scales of 1:1,000,000 and as digital grids. All of the final products are delivered with a corresponding CGM file, Zycor grid, LCT grid and ASCII grid file. Using these grids the top and base of Nil Zone can be readily input to 2-D and 3-D modeling packages for rapid interpretational guidance. Alternative scales, projections, and results using different salt density values are available at additional cost.

The Salt Nil Zone Project also includes a catalog of density versus depth plots, and density versus velocity functions derived using the Gardner power law form: $Density = A * Velocity^B$, but with locally calibrated values (of A and B) for this function. These functions are derived from the wells for each of the areas shown in Figure 3. The density versus depth functions are also provided in digital format (LCT 3MOD Density function).

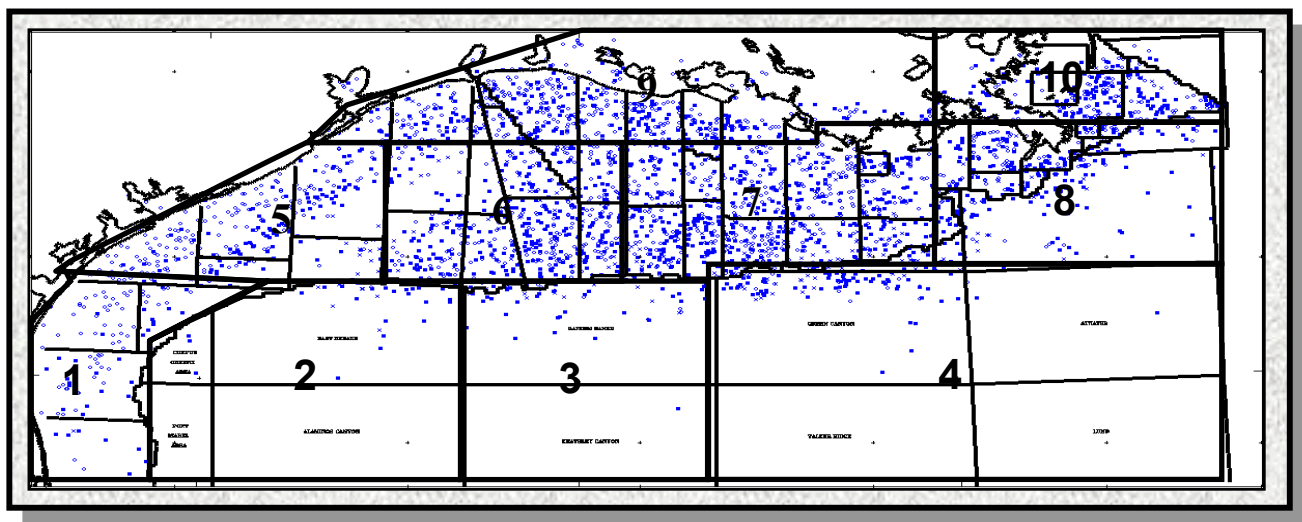


Figure 3.
GDC Well Locations with the 10 Areas for Catalog of Density vs. Depth and Density vs. Velocity Plots.

PRODUCT COST: All of the products described herein are provided for a license fee of \$12,000. (This price includes a license fee to GDC for an extended digital version of their products which is not part of GDC's standard deliverables. For clients already owning this extended digital version, the above price is decreased by \$2,000.)

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