



Egypt's Offshore Red Sea International Bid Round /2019 For Oil and Gas Exploration and Exploitation



BID-ROUND- DATA PACKAGE

Available Data package (regional) that includes all the following;

- i. Well Logs
 - a. Conditioning of 11 wells log data (integrated and joined)
- ii. Re-Processing Existing Data: 2D Seismic Data circa 20,000km - Post Stack, includes:
 - a. Noise Attenuation
 - b. Phase Matching
 - c. Structural Smoothing
 - d. Amplitude Balancing
 - e. Calibration with well data
- iii. Gravity and Magnetics:
 - a. Collection QC, merge, and leveling of legacy and satellite potential field data
 - b. Qualitative lineament interpretation
 - c. Interpreted lineament correlation along few published cross-sections and interpretation
 - d. Basement delineation with layered-based inversion of pseudo-gravity transform of magnetic data
 - e. 3D magnetic forward model validation of basement/susceptibility model
 - f. Rock-physics bounded transform of 3D velocity model from 2D vintage seismic conditioning into density, using well information.
 - g. 3D density model building combining the results of the step above and regional horizons (2 coarse interpretations and 2 salt horizons). Information on main crustal features extracted from global models available in literature.
 - h. 3D gravity forward modeling/density model
 - i. One additional model scenario tested with 3D forward modeling (perturbing e.g. salt volumes, salt shape or deeper horizons)
- iv. Three 2D PSM type sections
 - a. Petroleum systems modeling is the rigorous, structured, and fully integrated analysis of all available geological and geophysical (G&G) data related to the petroleum potential of a prospect or play. 2D Petroleum systems models will be constructed on 3 profiles and calibrated to nearby



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well data.

- v. Public access / data covering:
 - a. Surface exposure for source rock and reservoir analysis
- vi. Convert all data from time to depth, where possible.
- vii. Literature including cross-section
 - a. Cross-section between all wells in North and South of Red Sea
 - b. Ten published papers
- viii. Four geological reports
- ix. All formation tops identified / assigned (Sea Bed, Zeit, S Gharib, Balayim, Rudeis, Basement, TD)
- x. Link everything in Petrel (As an alternate provide in ARCGIS, raw data SEG.Y.)
- xi. New seismic DATA resultant from Offshore Red Sea Multi-client Project (RS18).

Principal Data Package for Bidders (Mandatory for Bidding) includes all the following,

1. A minimum 25% regional grid of all available seismic from DATA PACKAGE CONTENTS, ii, for each block being bid, unless the bidder has already licensed the materials .
2. A minimum 10% of the available regional new 2D seismic DATA resultant from Offshore Red Sea Multi-client Project (RS18), for each block being bid, unless the bidder has already licensed the new 2D seismic DATA partially or totally before the license round.
3. A minimum of three wells logs.

The above Mandatory Regional Data PACKAGE will be prepared that and made available to the bidders on hard drive or memory stick. It should be noted that the regional seismic lines will be selected for their full extension. Bidder shall provide the licensees an official letter as a proof of licensing, which is a bidding mandatory requirement.

Principal Data Package at Award (Mandatory for Awarded Bidders)

All remaining Re-Processing Existing Data: 2D Seismic that falls within the awarded block.

All remaining 2D seismic DATA resultant from Offshore Red Sea Multi-client Project (RS18) that falls within the awarded block.

To obtain Available DATA PACKAGE or the Mandatory Data for Bidding please call:

+2 0109 6669543 email: EgyptMc@slb.com web: www.multiclient.slb.com