Report for Monument Oil and Gas

SAR Seep Screening Study, Becuda Block, Guinea Bissau

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Executive Summary

A Synthetic Aperture Radar (SAR) Seep Screening study by the National Remote Sensing Centre (NRSC) offshore Guinea Bissau, West Africa, centred on Monument's Becuda Block, has successfully mapped fifteen discrete slicks. Of these, six are interpreted as being probable seepage slicks. Confidence levels for the other nine slicks are lower.

Two high confidence seepage slicks lie within 10 km of the northern boundary of the block and one medium confidence slick lies within the block boundary itself. No seepage slicks occur within the area of the 3D survey.

The high confidence seepage slicks probably represent the migration end points of leaking traps. The precise subsurface leakage pathways from the traps to the seep locations is likely to be controlled by the disposition of source kitchens and migration pathways within individual intra-salt basins, which subsequent integration with ongoing seismic interpretation and geochemical modelling work will help resolve.

Contents

Appendix B
NRSC Slick Mapping Methodology

Figures

Tables

Map Sheets

Study Area Location