



Colombia - 2009

Pacific 2D

2 730 km of MC2D located in the Manglares/Tumaco Basin, Colombia Pacific offshore

Optimally image thick Cenozoic sedimentary sequences accumulated in this convergent margin forearc basin formed adjacent to the subduction zone over folded oceanic sediments

Surface indications of oil and gas have been reported at numerous locations and a number of wells both onshore (12) and offshore (4) that have yielded gas shows, mainly from the Oligocene-Miocene section. The source rocks are of Cretaceous and Lower Tertiary age and are oil and gas prone.

These data maximize regional coverage and have been integrated into an available detailed structural and stratigraphic interpretation focused on hydrocarbon prospectivity.

SURVEY SUMMARY

Type: 2D
Geometry: Standard
Size: 2730 km
Acquisition year: 2009
Completion of processing: 2009
Shooting direction: Various
Vessel: Falcon Explorer
In partnership with: Agencia Nacional de Hidrocarburos (ANH) – Republic of Colombia

ACQUISITION PARAMETERS

Number of streamers: 1
Streamer length: 8100 m
Shot interval: 50 m
Record length: 18000 ms
Source depth: 6 m
Sample rate: 2 ms
Fold: 81

PROCESSING AND DELIVERABLES

Processing: 3D surface related multiple elimination (SRME), Kirchhoff prestack time migration (PSTM)

Time products: Final Kirchhoff PSTM Stack, PSTM gathers, Stacking velocity, Migration velocity

Additional products: Demultiple Gathers, Gravity, Magnetics