This report is one of series of new GIS products designed to exploit the power and ease of use of ArcView as a tool for the explorationist. The product consists of a wide variety of exploration and production related maps linked to well/field databases, well-logs and seismic sections managed from within ESRI's ArcView application.
Western Sahara Map Themes
Graticule
Bathymetry (ETOPO5)
Deep Sea Drilling Sites (4)
Wells (155 onshore/offshore, 75 Western Sahara, 34 Morocco, 10 Mauritania, 31 Spain and 5 Portugal)
Base Map for four hundred and fifty one (451) seismic lines
Examples for ninety (90) seismic lines (SEG-Y)
Base Map for fifty (50) St. Etienne (Mauritania) seismic lines
Faults
Offshore gravity (10 unit contour interval)
Bouguer Gravity (1959)
Gravity Highs & Lows
Offshore Magnetic Intensity
Aeromag basement
Old Spanish Sahara Offshore Concessions
Old Spanish Sahara Onshore Concessions
New Contract Areas
Morocco Concessions
Northern Mauritania Concessions
Coastlines (DCW)
Surface Geology (1987)
Towns/Roads/Drainage
Relief Contours (100m interval)
Tertiary-Quaternary Isopach
Upper Cretaceous Isopach
Jreibichata Time Structure
Barremian Time Structure
Basement Structure
Port Etienne Structural Form
University of Bremen Source Rock Localities

Georectified Images – Geology Maps and Aeromagnetics
Location of Geological Sections (6) and Cross-Sections
Reconnaissance Geology 1 : 1 million
Reconnaissance Geology 1 : 500k
Aeromagnetics Data Image

Section Locations Tops & Shows
Wells (155 onshore/offshore)
Wells with Tops (60)
Wells with Shows (25)
General Geological Cross Section
Cross Sections (18) with Lithology and Stratigraphy
Stratigraphic Correlation Section: Lower Cretaceous, Upper Cretaceous, Jurassic
Micropaleontological section
Stratigraphic Synopsis

Western Sahara Spacial Themes
Bathymetry (ETOPO2) (2 minute coverage)
Digital Elevation Model (GTOPO30) (5 minute coverage)
Landsat TM 28.5 metre coverage
Offshore Western Sahara Slope
Offshore features e.g. volcanics, Maast carbonate build up, diapirs etc
Growth Fault Zone
Slope Anticline Axis
Base Tertiary Unconformity Time Structure
Base Tertiary Structure Onshore (Depth)
Jreibichata Time Structure
Base Cenomanian Faults/Erosion
Base Cenomanian Time Structure
Barremian Time Structure (Shelf)
Base Barremian Faults/Erosion
Base Barremian Time Structure
Base Hauterivian Faults/Erosion
Base Hauterivian Time Structure
Marine Jreibichata %
Depth (m) Marine Jurassic
Jurassic Carbonates Distribution
Post Mid Miocene Isopach
Base Tertiary- Mid Miocene Isopach
Upper Cretaceous isopach
Lower Cretaceous isopach
Tertiary isopach
Bathymetry
Bathymetry (from Western Seismic Survey)

Well Data
A compilation of basic well information from one hundred and sixty eight wells
(155, total, 75 offshore, 80 onshore) (75 Western Sahara, 34 Morocco, 10 Mauritania, 31
Spain and 5 Portugal)).

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Reports

“Oil Prospects in the Spanish Sahara”, (1959) 88 page report. Twenty eight (28) pages of text, eighteen (18) enclosures including isopach maps, lithostrat section, measured sections, with forty three (43) outcrop and aerial photographs.


“Lithostratigraphy of the Northern Spanish Sahara”, (1968) 117 page report. Eighty four (84) pages of text and twenty two (22) figures.

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