DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 84-476
PLATE 4B OF 5

82°W 80°W 78°W 76°W 74°W 72°W

32°N 30°N 28°N

HELENA BANKS FAULT

AMCOR 6003
AMCOR 6004
USCGLT SV
GRAY'S REEF
AMCOR 6002
GETTY 913-1
TRANSCO 1005-1
TENNECO 208-1
COST GE-1
JOIDES 1
TENNECO 427-1
EXXON 472-1
EXXON 564-1
JOIDES 5
JOIDES 2
JOIDES 28
JOIDES 6
CRESCENT BEACH SPRING
RED SNAPPER SINK
UPPER CRETACEOUS AND PALEOCENE REEF
MIDDLE TO UPPER EOCENE REEF
200m
1000m
2000m
3000m
4000m
5000m
6000m
BOUNDARY OF EEZ
JOIDES 4
JOIDES 48
DSDP 355
DSDP 104
DSDP 102
DSDP 103
DSDP 389,390
ASP 3
DSDP 392
JOIDES 3
ASP 20
DSDP 391
DSDP 394

EXPLANATION

- Boundary of planning area
- Leased blocks
- Offshore well
- Fault-hachure on downthrown side, hachure denotes location of track line on which fault was detected. Dashed where inferred.
- Area of compactional faulting of Upper Cretaceous rocks.
- Slump fault or downward rotated beds. Hachure denotes track line and downthrown side.
- Scarp at head of slump scar. Area where material has been removed from slope.
- Slump sheet. Area of slumped sediments at base of slope.
- Collapse structure or sink hole in subsurface. Denotes karst development in Eocene, Oligocene, and Paleocene beds. Dashed line indicates track line on which sink holes were detected.
- Paleo-reef in subsurface. Behind reefs are areas of extensive karst in subsurface.
- Salt diapir in subsurface. Location picked from seismic reflection and sidescan sonar survey.
- Area of faulted, folded, and disturbed ground associated with salt diapirism.
- Sand wave field. Area of potentially mobil sediments.
- Shelf edge carbonate reef or prominent hardground. Fish habitat.
- Area of deep water coral reefs or mounds.
- Updip and downdip limit of detected gas hydrate reflector. Potential shallow trapped gas area.
- Bathymetric contour in meters.
- Area of extensive Gulf Stream scour.

UNIVERSAL TRANSVERSE MERCATOR
CENTRAL MERIDIAN 76DW
SCALE 1:1,000,000

0 10 20 30 40 50 60 70 80 90 100
KILOMETERS

0 10 20 30 40 50
NAUTICAL MILES

GEOLOGIC HAZARDS AND CONSTRAINTS

ATLANTIC O.C.S. REGION
SOUTH ATLANTIC PLANNING REGION

PETER POPENOE

1984

BASE MAP GENERATED BY ELIZABETH L. COWARD