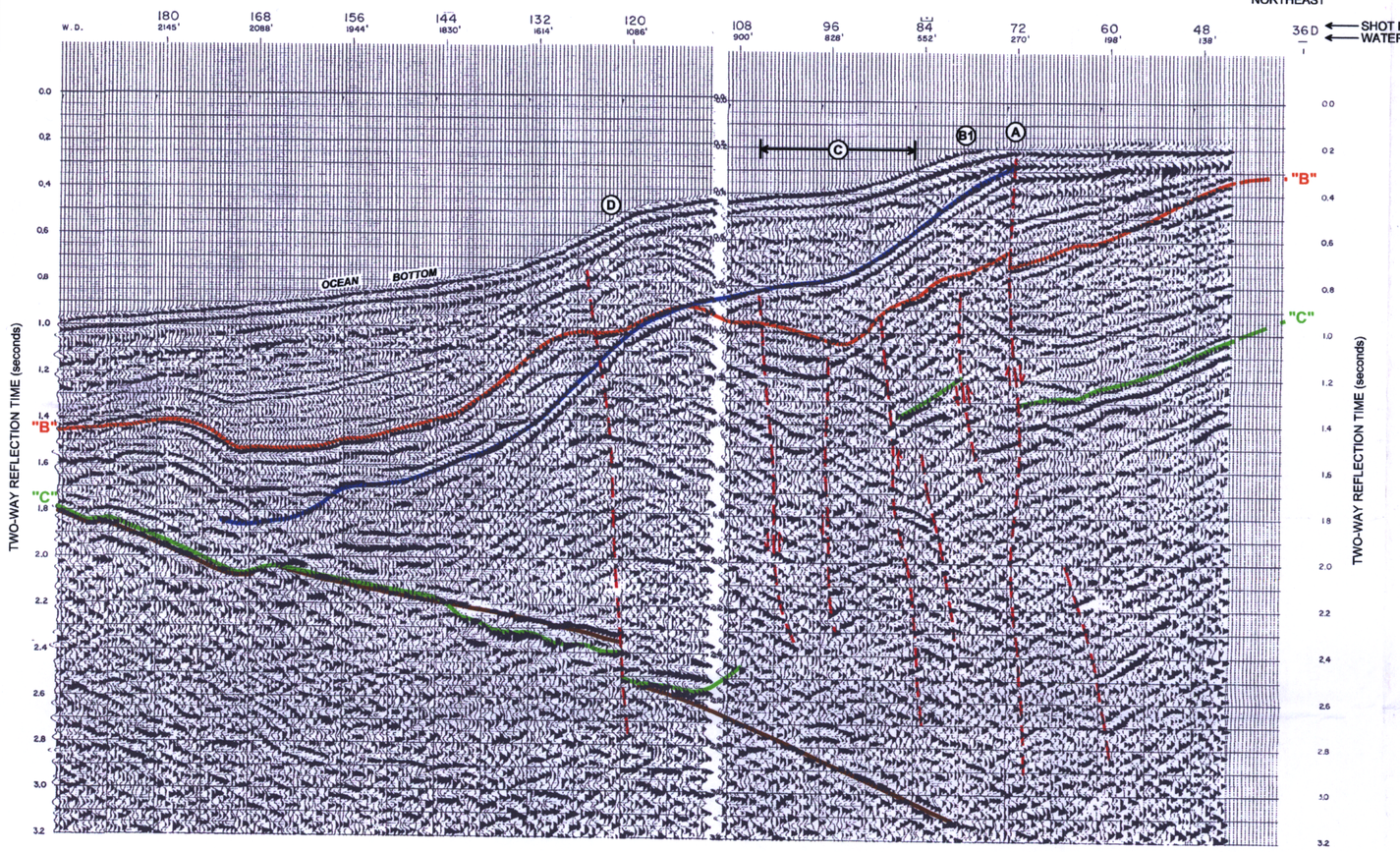
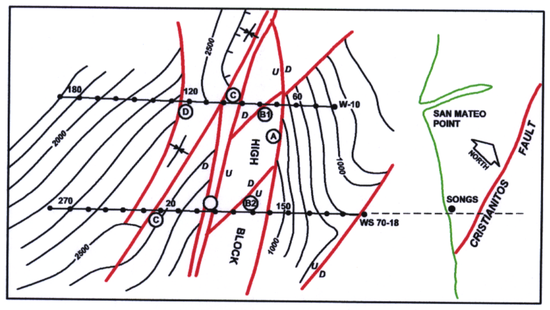
NORTHEASTERN PART
WESTERN GEOPHYSICAL SEISMIC LINE W-10





PLAN VIEW HORIZON "C"
Scale: 1" = 8000 Feet
Contour Interval = 100 milliseconds

LEGEND

- Water bottom multiple
- Seismic "B" Horizon (near top of Monterey Formation) (Western Geophysical, 1972)
- Seismic "C" Horizon (acoustic basement - near top San Onofre Breccia and/or Catalina Schist) (Western Geophysical, 1972)
- Reflector interpreted to be sub-horizontal detachment (San Mateo Thrust Fault/ Oceanside Thrust Fault)
- Fault as mapped by Western Geophysical (1972), arrows show relative vertical offset

0 2000 4000 6000 8000
APPROXIMATE HORIZONTAL SCALE
(1" = 2000')

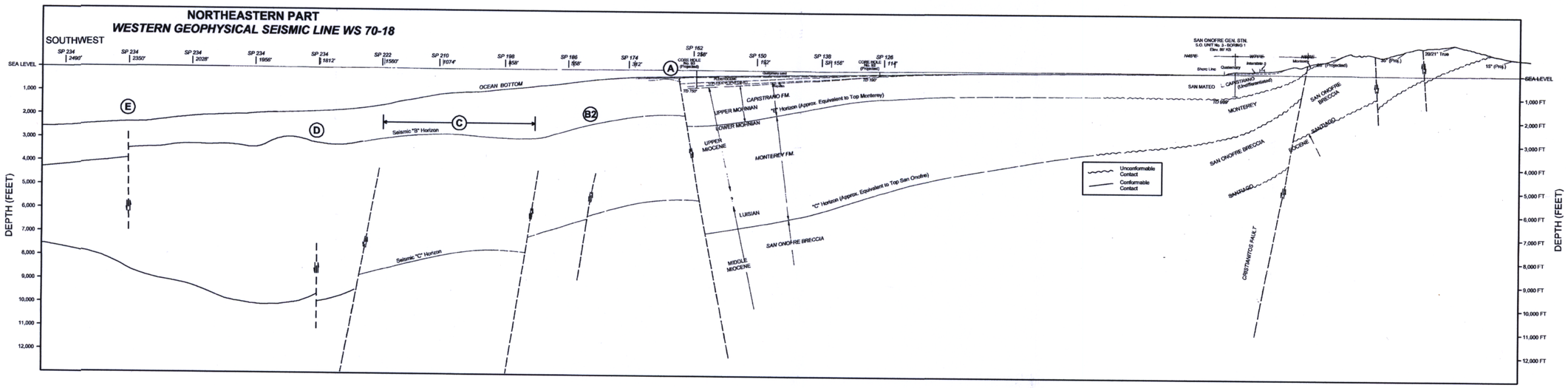
NOTES:

1.) Cross section geology is a compilation from several sources previously submitted in NRC documents including:
Jack C. West, 1978
Ehlig and Farley, 1978
Western Geophysical, 1972
So. California Edison Co., San Onofre Generating Station, Units 2 & 3, PSAR, Amendment No. 11, Appendix 2E, April 1972

2.) Velocities used for depth conversion:
Water, 5000 ft/sec
Water to horizon B, 6,500 ft/sec
Horizon B to Horizon C, 10,300 ft/sec

3.) Vertical exaggerations:
Cross section ~1:1
Seismic section - variable, approximately 3:1 at ocean bottom

NORTHEASTERN PART
WESTERN GEOPHYSICAL SEISMIC LINE WS 70-18



D-3

SOUTH COAST OFFSHORE ZONE OF DEFORMATION (SCOZD) SAN MATEO POINT TO SAN ONOFRE
SONGS Seismic Issues

Plate 2-3