

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOPHYSICAL DATA COLLECTED ON THE SOUTHERN
WASHINGTON CONTINENTAL SHELF ALONG LINE 12,
USGS R/V S. P. LEE Cruise 3-76

By
Parke D. Snavelly, Jr. and Holly C. Wagner

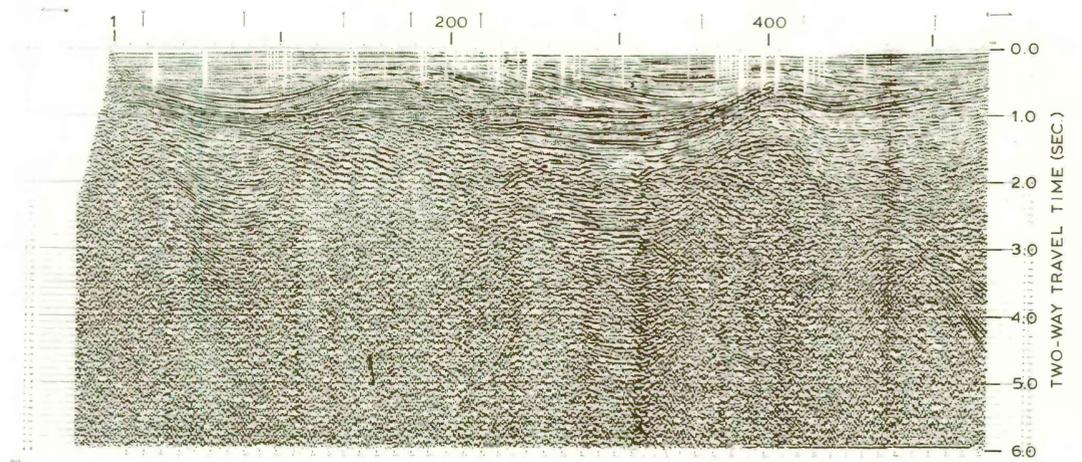
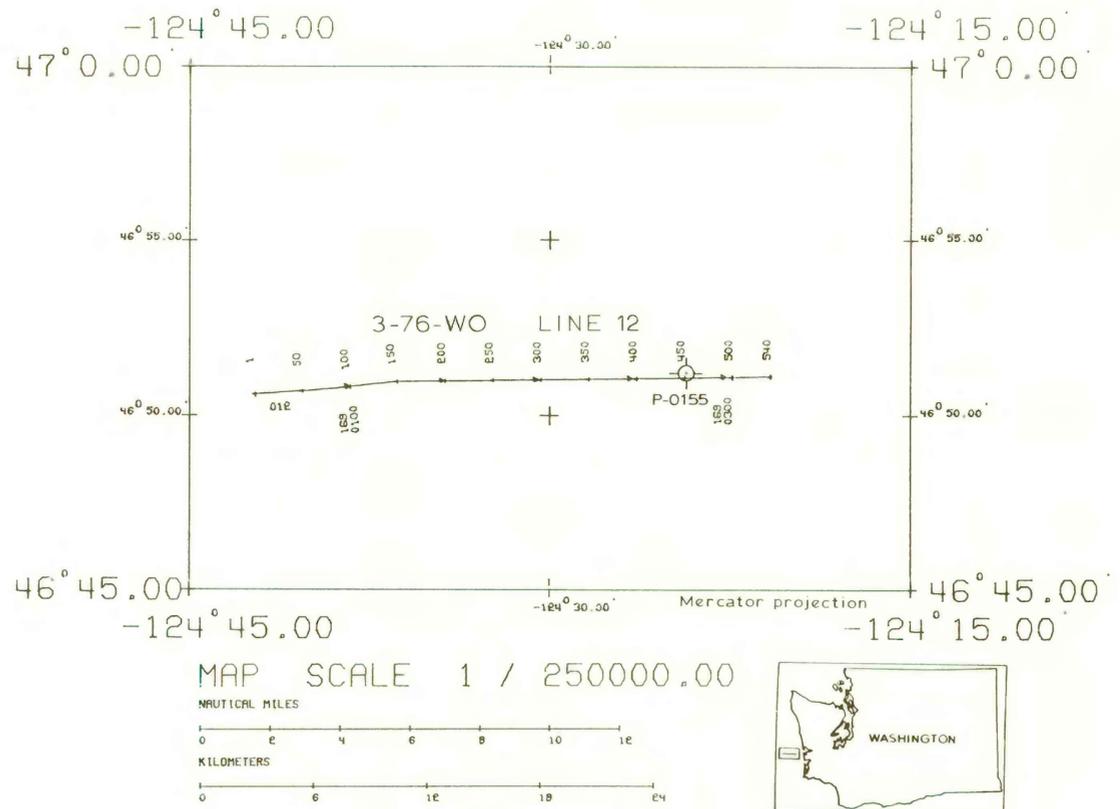
Open-File Report
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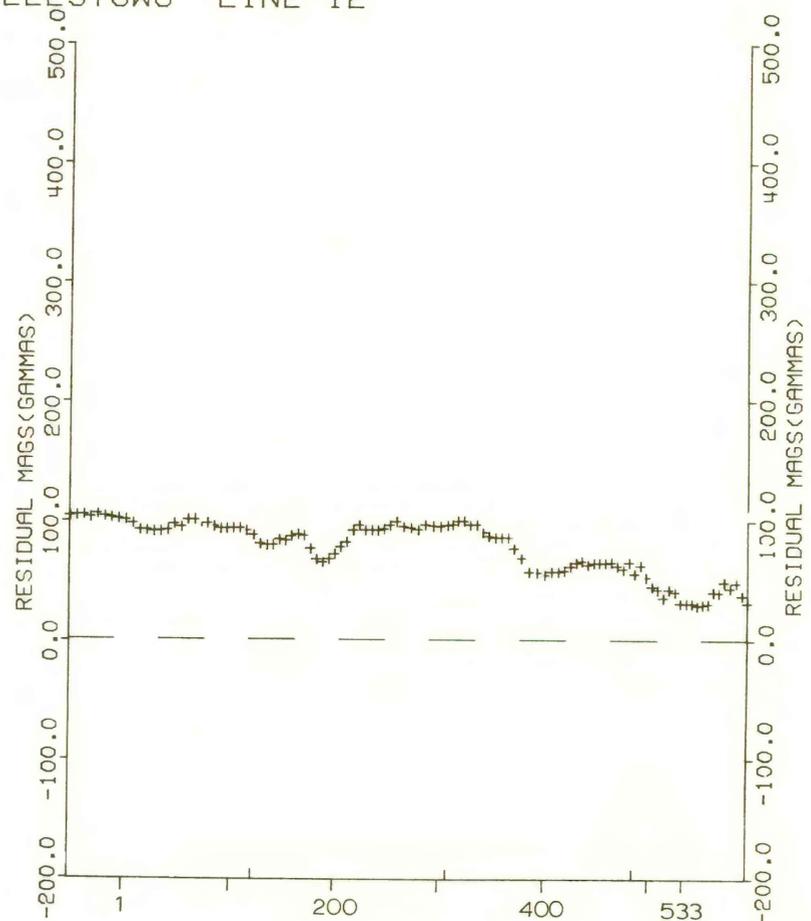
Geophysical Data Collected on the Southern
Washington Continental Shelf Along Line 12, USGS
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A 24-channel seismic-reflection profile and magnetic data were collected by the U.S. Geological Survey in 1976 on the continental shelf of southwestern Washington. The profile, Line 12, crosses Shell Oil Company exploratory well P-0155 drilled in 1967 to a depth of 11,162 feet (3402 m). Data for the profile were collected aboard the R/V S. P. LEE using a sound source of 5 airguns totaling 1326 in³. The recording system consisted of a 24-channel streamer (2400 m long) and a GUS (Global Universal Science) model 4300 digital recording instrument. Multi-channel seismic-reflection data were sampled at a 2-millisecond rate and later processed at a 4-millisecond rate. Magnetic data were obtained using a Proton-precision magnetometer. Navigational control for the survey was by satellite fixes augmented by doppler-sonar dead reckoning.

The seismic and magnetic data along Line 2 may be examined at the U.S. Geological Survey office, Room B-164, Deer Creek Facility, 3475 Deer Creek Road, Palo Alto, California. Copies of the data on 35-mm continuous flow film are available through the National Geophysical and Solar-Terrestrial Data Center, NOAA, Boulder, CO 80302, telephone (303) 499-1000, ext. 6542.



LEE376WO LINE 12



D 169
H 0
M 6.0

D 169
H 3
M 40.0

RESIDUAL MAGS- +