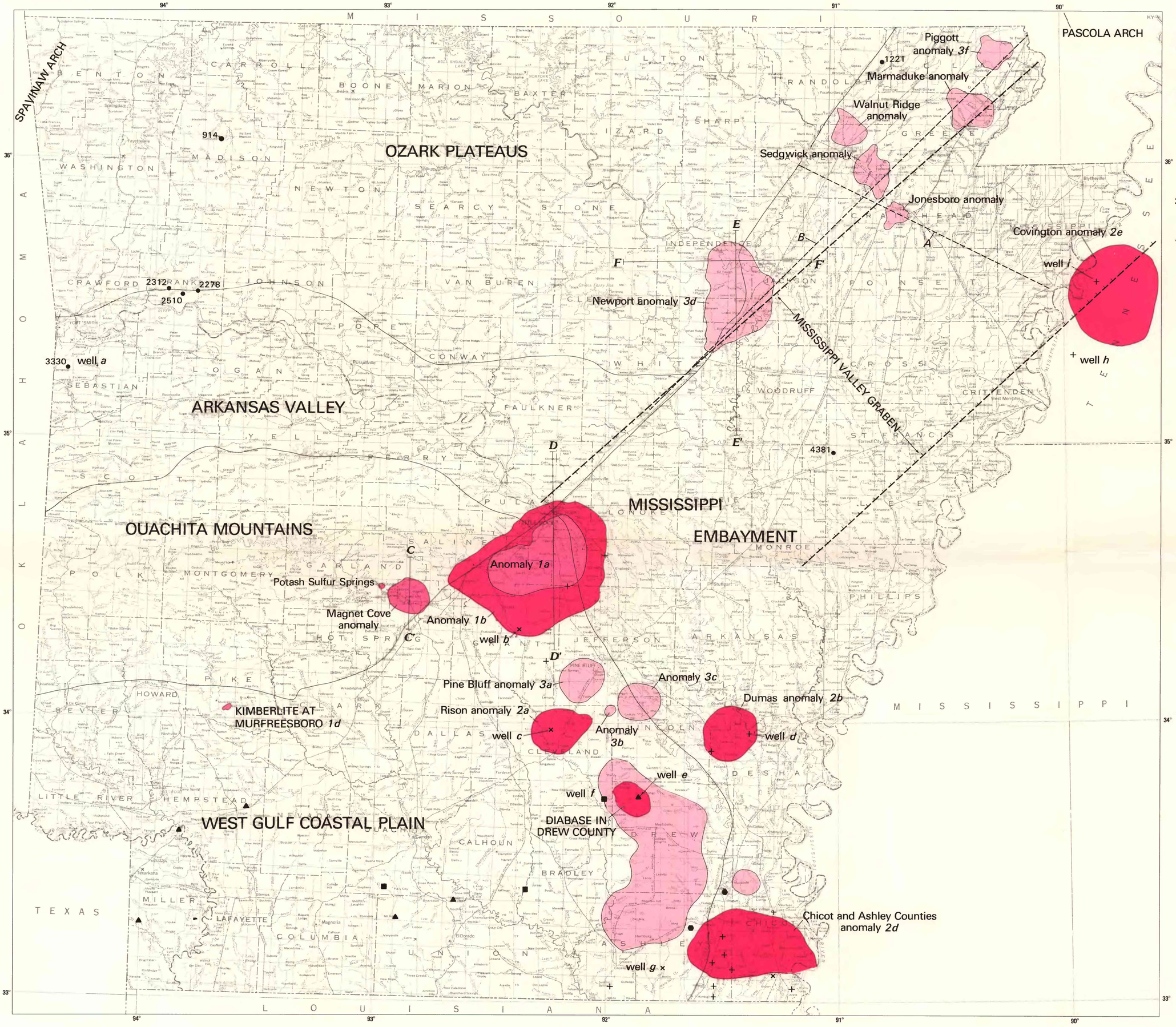
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PROFESSIONAL PAPER 1474
PLATE 2



EXPLANATION

Gravity anomalies

- Anomaly within which igneous rocks crop out or areas of igneous outcrops that do not have corresponding gravity anomalies
- Anomaly within which igneous rocks have been encountered in wells
- Anomaly proposed to result from igneous intrusion

Phanerozoic rocks encountered in wells

- \+ Alkalic
- × Ultramafic
- ▲ Diabasic
- ● Quartz syenite
- ■ Undescribed

2278 ● Wells encountering Precambrian rocks—Depth in meters

– – – – – Seismic line—*A*, from Peters and others (1981); *B*, from McCamy and Meyer (1966)

E—*E'* Cross section discussed in this report

Physiographic region boundary

Border fault of the Mississippi Valley graben

Base from U.S. Geological Survey
State base map, 1965
1:500,000

SCALE 1:1 000 000

25 0 25 50 75 100 MILES

25 0 25 50 75 100 KILOMETERS

Data from Haley and others (1976); border faults from Hildenbrand and others (1982)

MAP SHOWING INTERPRETED BOUGUER ANOMALIES AND TECTONIC ELEMENTS OF ARKANSAS