UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

EXPLANATION

Expanded gamma-ray log showing estimated percent equivalent uranium (eU).
(Deflections on logs are calculated to a Lane-Wells sensitivity index of 10 inches)

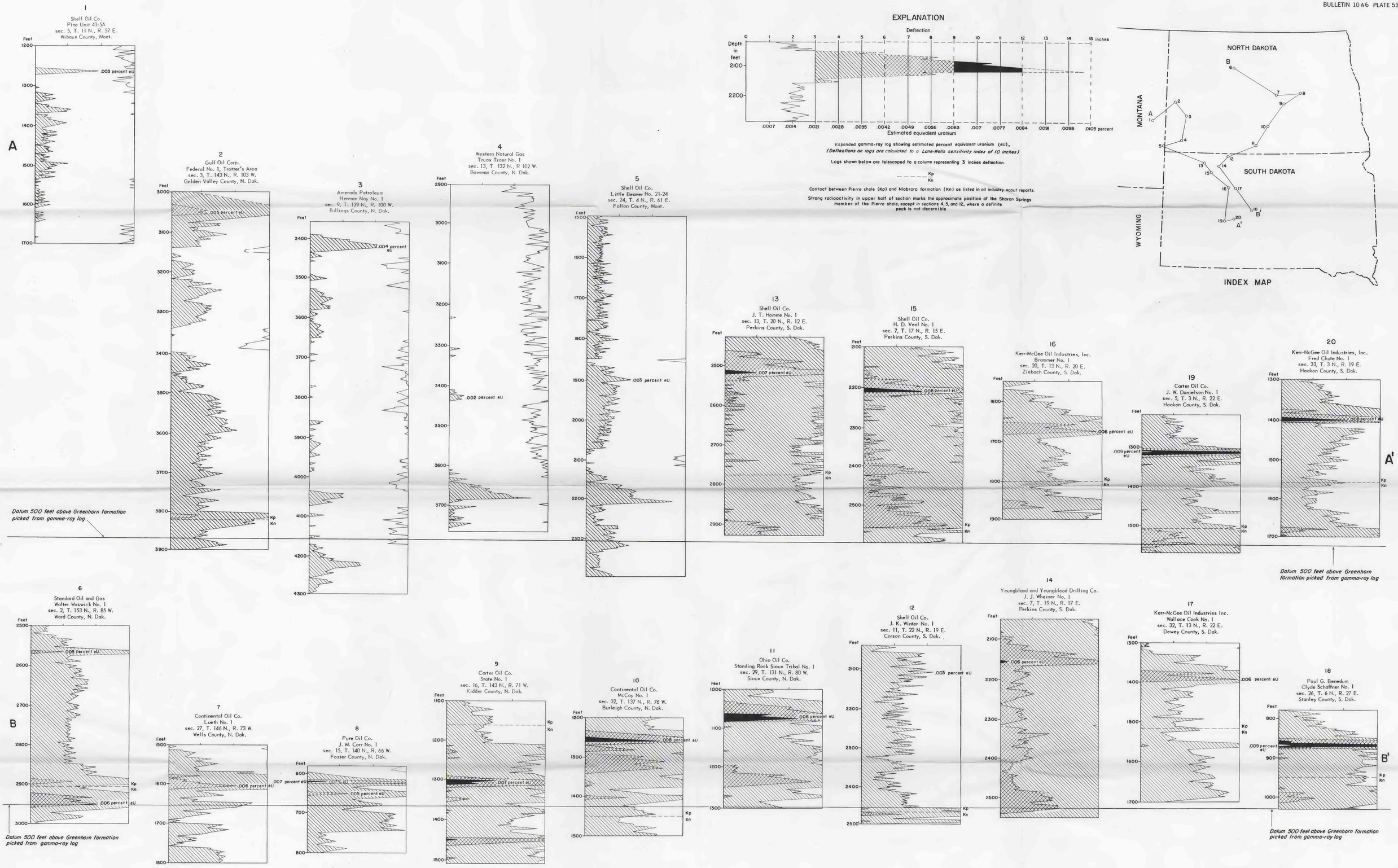
Logs shown below are telescoped to a column representing 3 inches deflection.

Kp
Kn

Contact between Pierre shale (Kp) and Niobrara formation (Kn) as listed in oil industry scout reports.

Strong radioactivity in upper half of section marks the approximate position of the Sharon Springs member of the Pierre shale, except in sections 4, 5, and 12, where a definite peak is not discernible

INDEX MAP



GAMMA-RAY LOGS SHOWING RADIOACTIVITY OF THE LOWER PART OF THE PIERRE SHALE AND THE UPPER PART OF THE NIOBRARA FORMATION IN HOLES DRILLED FOR OIL IN NORTH DAKOTA, EASTERN MONTANA, AND WESTERN SOUTH DAKOTA

491603 O - 59 (In pocket) No. 4