EXPLANATION

WELL
Number is the altitude, in feet, of top of the Rustler formation. Based on radioactivity logs and electric logs.

WELL
Number is the altitude, in feet, of top of the Rustler formation. Based on electric log.

Gastner line on top of the Rustler formation, dashed where approximately located. Datum is mean sea level.

Line showing location of geologic section. Open circle indicates well or geologic section not penetrating the Rustler formation.

CONFIGURATION OF TOP OF THE RUSTLER FORMATION, REEVES COUNTY
EXPLANATION

2643

DEFT

Number is the altitude, in feet, of base of the Cenozoic Alluvium. Based on oil well logs, radiometric logs, and electric logs.

<600

Contour line on base of the Cenozoic Alluvium. Contour interval is 100 feet. Datum is mean sea level.

Approximately northwestern limit of Cretaceous rocks (except for outliers).

Line showing location of geologic section. Open circle indicates well on geologic section not pertaining to the Cenozoic Alluvium. Base of the Cenozoic Alluvium is untrusted.

CONFIGURATION OF BASE OF THE CENozoIC ALLUViUM, REEVES COUNTY
GEOLOGIC SECTION C-C', REEVES COUNTY, SHOWING APPROXIMATE WATER LEVEL IN 1959
EXPLANATION

Lines showing approximately equal thickness of saturated alluvium, in feet. This map was prepared by superimposing the map showing altitude of water level, Plate 5, on the map showing the altitude of base of the Cenozoic alluvium, Plate 4. Interval is 100 feet.
MAP OF PARTS OF REEVES AND WARD COUNTIES, SHOWING IRRIGATION WELLS, FEBRUARY 1951, AND CHANGES IN WATER LEVEL FROM MARCH 1947 TO FEBRUARY 1951
EXPLANATION

S

Number is the decline of the water level in feet of winter of 1958-59 to winter of 1959-60; a minus indicates a rise in water level.

Line showing the decline of the water level; dotted where apparent change located interest is 5 feet.
EXPLANATION

Symbol | Type of water
--- | ---
A | Water containing less than 1,000 ppm dissolved solids and not more than 300 ppm sulfate or sulfite
B | Water containing slightly less than 10,000 ppm calcium and sulfate, sodium to chloride ratio about 3 to 1
C | Water containing calcium slightly less than 10,000 ppm, sulfate to chloride ratio ranges from about 3 to 1 to 1
D | Water containing calcium slightly less than 1,000 ppm, sulfate to chloride ratio ranges from about 3 to 1 to 5

MAP SHOWING THE OCCURRENCE OF THE DIFFERENT TYPES OF GROUND WATER IN REEVES COUNTY