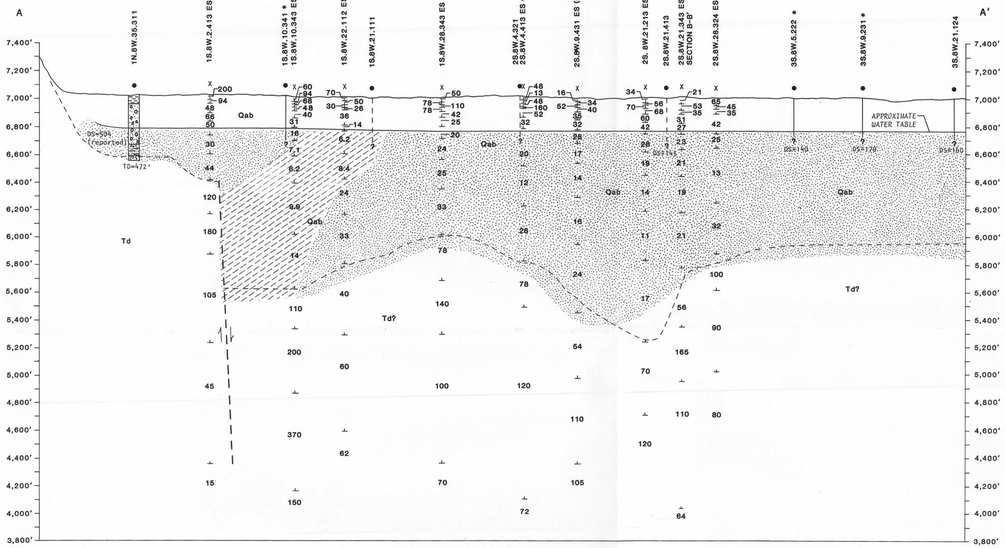
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

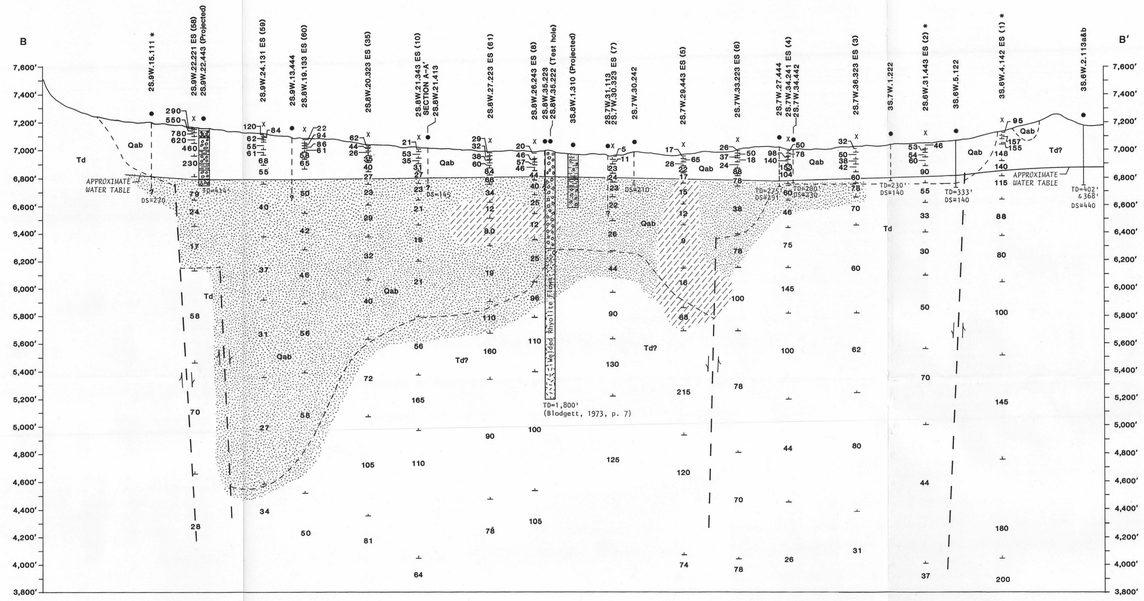
Prepared in cooperation with the
NEW MEXICO STATE ENGINEER OFFICE

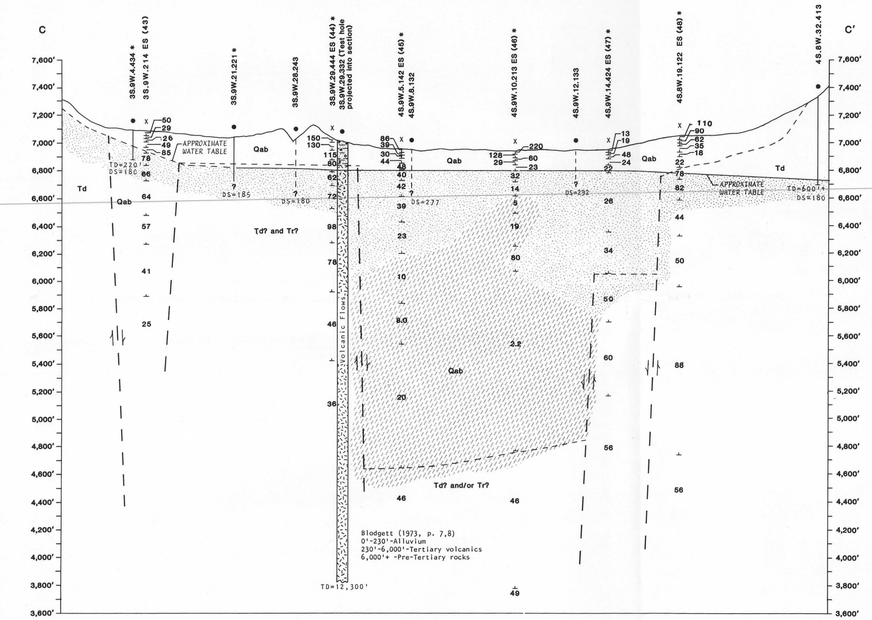
WATER-RESOURCES INVESTIGATIONS REPORT 94-4125
Geohydrologic sections A-E-PLATE 2
SHEET 1 OF 2

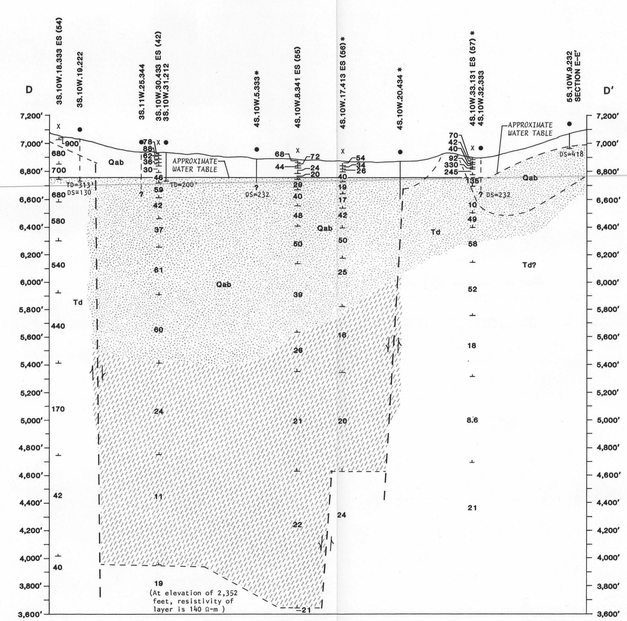
U.S. GEOLOGICAL SURVEY
RESTON, VA.
DEC 28 1994
LIBRARY

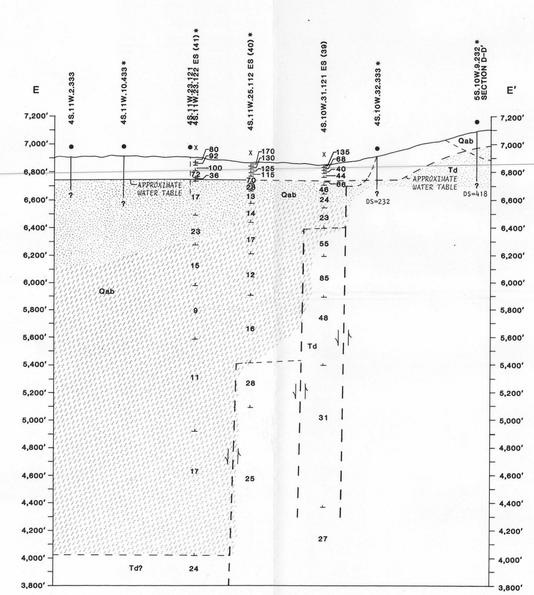
Myers, R.G., and others, 1994, Geohydrology of the San Agustin Basin, Alamosa Creek Basin upstream from Monticello Box, and upper Gila Basin in parts of Catron, Socorro, and Sierra Counties, New Mexico











EXPLANATION

GEOLOGIC DATA

QUATERNARY	Qab	ALLUVIUM, BOLSON FILL, AND OTHER SURFICIAL DEPOSITS
QUATERNARY AND TERTIARY	QTb	BASALT TO BASALTIC ANDESITE
TERTIARY	Td	DATIL GROUP
	Tr	RUBIO PEAK FORMATION
CRETACEOUS TO PERMIAN	pT	PRE-TERTIARY SEDIMENTARY ROCKS

GEOLOGY ADAPTED FROM DANE AND BACHMAN (1965)

CONTACT--Dashed where inferred

FAULT--Dashed where inferred. Arrows indicate direction of relative movement

WELL AND GEOPHYSICAL DATA

BEND IN SECTION — ELECTRICAL SOUNDING
LOCATION NUMBER — LOCATION NUMBER
SYMBOL FOR WELL OR TEST HOLE — SYMBOL FOR VERTICAL ELECTRICAL SOUNDING
WELL IN SECTION--Dashed if projected
LITHOLOGY: CLAY, SAND, GRAVEL, IGNEOUS BEDROCK
TOTAL DEPTH, IN FEET
WATER TABLE--Dashed where inferred
DS=404 DISSOLVED SOLIDS, IN MILLIGRAMS PER LITER
RESISTIVITY--Number is the true resistivity, in ohm-meters, of interval. Intervals separated by ⊥

WATER-QUALITY DATA

- LESS THAN 500 MILLIGRAMS PER LITER DISSOLVED SOLIDS--Freshwater in sandy sediments or volcaniclastic rocks
- 500 TO 1,000 MILLIGRAMS PER LITER DISSOLVED SOLIDS--Freshwater in clayey sediments or slightly saline water in sands
- 1,000 TO 3,000 MILLIGRAMS PER LITER DISSOLVED SOLIDS--Slightly saline water in sand and clay
- MORE THAN 3,000 MILLIGRAMS PER LITER DISSOLVED SOLIDS--Saline water in sand or clay

NOTE: TRACES OF SECTIONS ARE SHOWN ON PLATE 1

0 1 2 MILES
0 1 2 KILOMETERS
VERTICAL EXAGGERATION X 15
DATUM IS SEA LEVEL

GEOHYDROLOGIC SECTIONS OF THE PLAINS OF SAN AGUSTIN

By
R.G. Myers, J.T. Everheart, and C.A. Wilson
1994