UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Prepared in cooperation with the
UNITED STATES DEPARTMENT OF ENERGY

WATER RESOURCES INVESTIGATIONS REPORT 84-4267

Base from U.S. Geological Survey
Caliente, Death Valley, Goldfield, Las Vegas, 1:250,000, 1954.

CONTOUR INTERVAL 500 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

SCALE 1:500 000
10 0 10 20 MILES
10 0 10 20 KILOMETERS

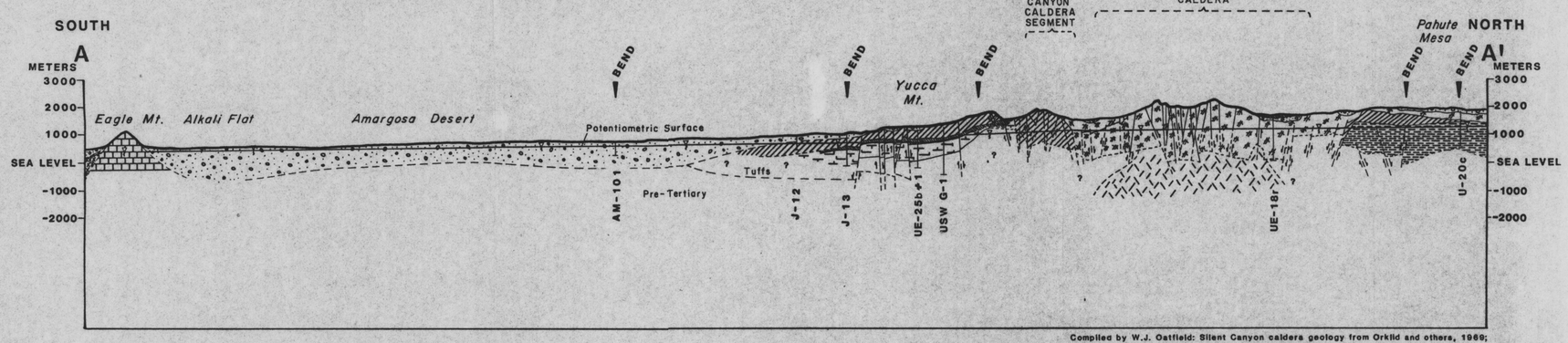
EXPLANATION

MAP

- 1200 — POTENTIOMETRIC CONTOUR (ALTITUDE IN METERS; INTERVAL 100 METERS) CLOSED BASINS ARE HACHURED
- GROUND-WATER SUBBASIN (ARROWS INDICATE AREAS OF PROBABLE FLOW FROM OUTSIDE OF SUBBASIN)
- SPRING
- WELL COMPLETED IN VALLEY FILL
- WELL COMPLETED IN ROCKS OF TERTIARY AGE, PRINCIPALLY VOLCANIC ROCKS
- WELL COMPLETED IN VALLEY FILL AND ROCKS OF TERTIARY AGE
- WELL COMPLETED IN ROCKS OF TERTIARY AND PALEOZOIC OR PRECAMBRIAN AGES
- WELL COMPLETED IN ROCKS OF PALEOZOIC OR PRECAMBRIAN AGE
- 734.9 — POTENTIOMETRIC LEVEL (METERS ABOVE SEA LEVEL) (-P PERCHED; -R REPORTED, UNCERTAIN; D KNOWN DOWNWARD GRADIENT; U KNOWN UPWARD GRADIENT)
- A — A' LINE OF GEOLOGIC SECTION

GEOLOGIC SECTION

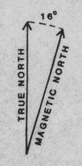
- QUATERNARY GRAVELS AND TUFFACEOUS SEDIMENTS
- TIMBER MOUNTAIN TUFF
- PAINTBRUSH TUFF
- RHYOLITIC LAVAS OF CALICO HILLS
- CRATER FLAT TUFF
- BELTED RANGE TUFF
- MICROGRANITE PORPHYRY
- CAMBRIAN LIMESTONES AND DOLOMITES
- CAMBRIAN MARINE AND NONMARINE CLASTIC ROCKS
- POTENTIOMETRIC SURFACE
- CONTACT — Dashed where approximately located
- FAULT — Dashed where approximately located arrows indicate direction of movement
- USW G-1 — DRILL HOLE AND NUMBER



Compiled by W.J. Oatfield: Silent Canyon caldera geology from Orkild and others, 1969; Claim Canyon and Timber Mountain caldera geology from Byers and others, 1976; Yucca Mountain geology from Carr and others, 1984.

0 5 10 MILES
0 5 10 KILOMETERS

VERTICAL EXAGGERATION x 2.6



APPROXIMATE MEAN DECLINATION

SI APERTURE CARD

88112901 76-01

DRAWING NO: PLATE 1
TITLE: REGIONAL POTENTIOMETRIC MAP
REVISION:
DATE:
DRAWN: DESIGNED: CHECKED:

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