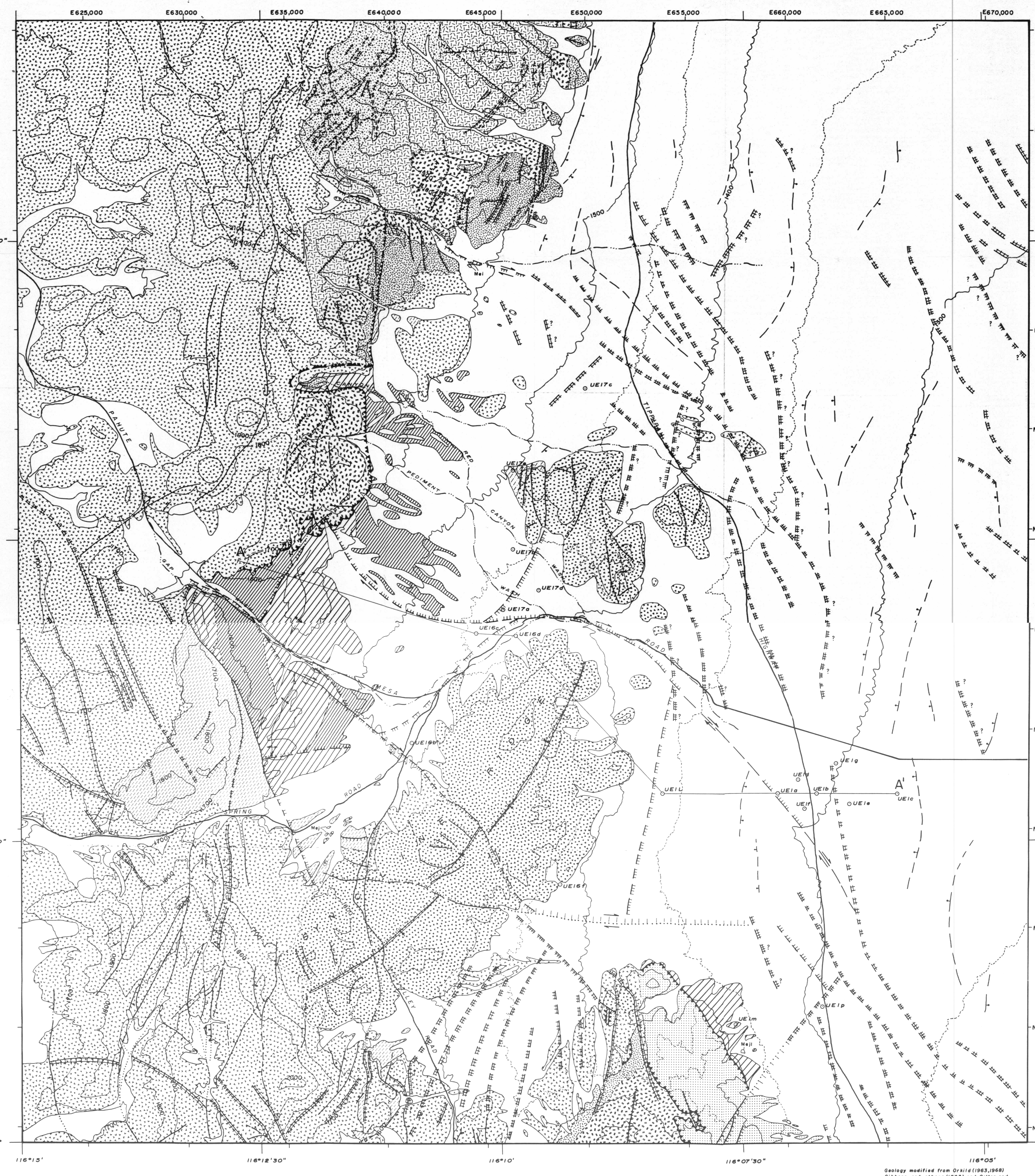
DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

Prepared on behalf of U.S.
Department of Energy

OPEN-FILE REPORT
80-[redacted] 942
FIGURE-3




## EXPLANATION

Qal
Alluvium, undivided — *Quaternary* (Cenozoic)

Tv
Volcanic rocks, undivided — *Tertiary* (Cenozoic)

PRt
Tippipah Limestone — *Permian(?) and Pennsylvanian* (Paleozoic)

Mej: Mejq, Meja, Mejl
Mei
Meh
Meg
Mefe

Eleana Formation (part) — *Mississippian* (Paleozoic)
- Mej - Unit J undivided, mostly lower subunit
- Mejq - Unit J, quartzite subunit
- Meja - Unit J, argillite subunit
- Mejl - Unit J, lower subunit
- Mei - Unit I
- Meh - Unit H
- Meg - Unit G
- Mefe - Units F and E

Pzo
Older Paleozoic rocks, undivided — (Paleozoic)

Contact
Dashed where approximately located

Tertiary fault
Dashed where inferred, dotted where concealed; bar and ball on downthrown side

Mesozoic fault with Tertiary rejuvenation
Dashed where inferred, queried where Mesozoic age is uncertain; hachures on downthrown side

Mesozoic fault showing dip
Dashed where inferred, dotted where concealed, hachures across fault indicate unknown direction of movement; arrows indicate relative horizontal movement along fault

Mesozoic thrust fault
Dashed where inferred; sawteeth on upper plate

Anticline
Showing approximate trace of axial plane and plunge of axis where known

Syncline
Showing approximate trace of axial plane

UE17e
Drill hole

1 ½ 0 1 MILE
1 .5 0 1 KILOMETER

Contour interval: 100 meters
Supplemental contours at 50 meters are dashed

Geology modified from Orkild (1963, 1968) Gibbons and others (1963) and Colton and McKay (1966); faults in alluvium from unpublished data of D.L. Healey and D.B. Hoover (1978)

Figure 3.--Geologic map of the Syncline Ridge area

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