GEOLOGIC MAP OF THE SHOSHONE MOUNTAINS RECONNAISSANCE AREA

NYE COUNTY, NEVADA

By Patrick Fahey, 1975

PLATE I

2000 0 2000 4000 6000 8000

SCALE IN FEET

CONTOUR INTERVAL 40 FEET

CONTINENTAL OIL COMPANY
MINERALS DEPARTMENT
RENO OFFICE

EXPLANATION

QUATERNARY

- Qal — Older and younger alluvium, undifferentiated
- Qls — Landslide

TERTIARY

- Tv — Tertiary Volcanics
- Tqmp — Quartz monzonite, probable Tertiary

MESOZOIC ?

- Intrusive rocks, probable Mesozoic
  - gd — granodiorite
  - qd — quartz diorite
  - L — Lamprophyre

JURASSIC (Dunlap Formation)

- Jdl_2 — Upper carbonate unit
- Jdc_2 — Upper clastic unit
- Jdl_1 — Lower carbonate unit
- Jdc_1 — Lower clastic unit

TRIASSIC–JURASSIC

- JŦRsg — Sunrise and Gabbs Formations, undifferentiated

TRIASSIC

Luning Formation

- ŦRlu — Carbonate member
- ŦRls — Calcareous shale member
- ŦRll — Shaly limestone member
- ŦRlc — Clastic member

Grantsville Formation

- ŦRgl — Limestone member
- ŦRgc — Clastic member

CAMBRIAN

- Ꞓd — Cambrian dolomite

Contact, dashed where approximately located, dotted where concealed; querried where nature of contact is unsure or presence of structure is unsure.

Fault, showing dip, dashed where approximately located, dotted where concealed.

Thrust fault, sawteeth in upper plate

Indicates vein, showing dip

Strike and dip of beds

Strike and dip of vertical bedding

Strike and dip of joints

Strike of vertical joints

Horizontal bedding

Anticline, showing plunge direction

Syncline, showing plunge direction

Overturned anticline

Overturned syncline

Axial trend of small anticline

A—A' Line of cross section

NOTES: *Topography enlarged from U.S. Geological Survey Ione, Nevada (15 minute) quadrangle.*

REFERENCES:

N.J. Silberling, 1950 and 1953, Pre-Tertiary Stratigraphy and Upper Triassic Paleontology of the Union District Shoshone Mountains, Nevada: U.S. Geological Survey Professional Paper 322.

GEOLOGY BY PATRICK FAHEY, 1975; FIELD WORK: JUNE 25 THROUGH AUGUST 29, 1975.