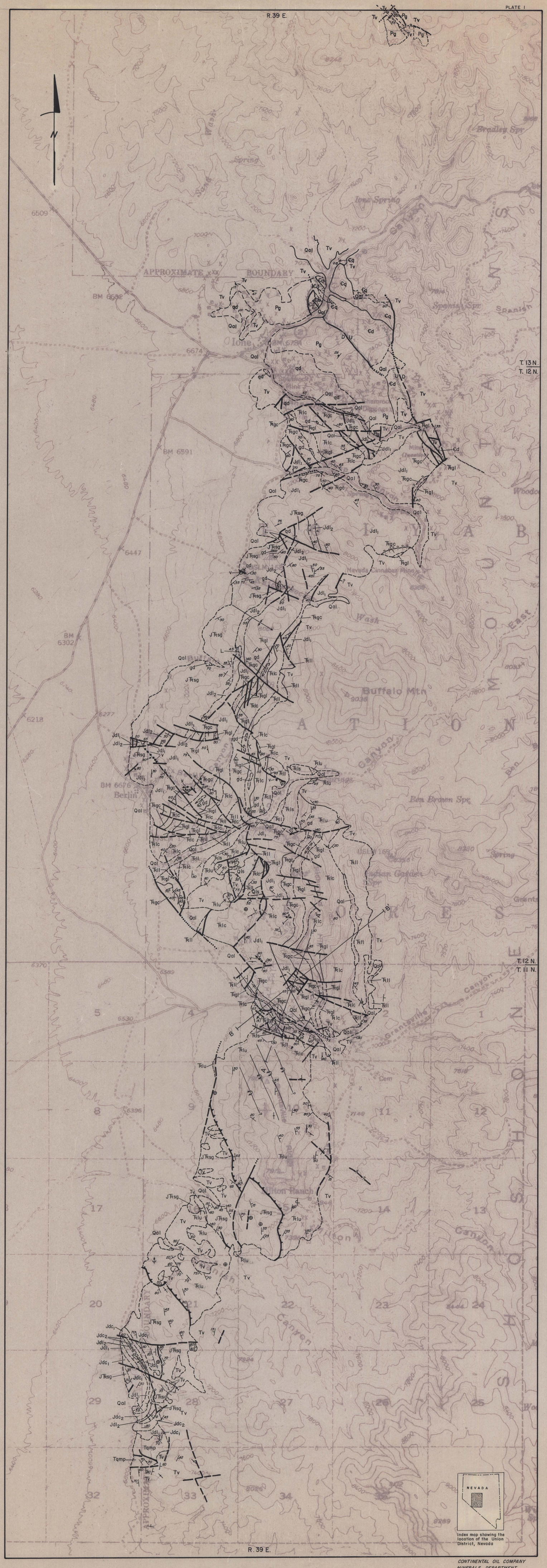
GEOLOGIC MAP OF THE SHOSHONE MOUNTAINS RECONNAISSANCE AREA

NYE COUNTY, NEVADA

By Patrick Fahey, 1975

PLATE I



EXPLANATION

QUATERNARY	Qal	Older and younger alluvium, undifferentiated
	Qls	Landslide
TERTIARY	Tv	Tertiary Volcanics
	Tqmp	Quartz monzonite, probable Tertiary
MESOZOIC ?	qd	Intrusive rocks, probable Mesozoic qd – granodiorite
	qd	qd – quartz diorite
	L	L – Lamprophyre
JURASSIC	Jdl_2	Upper carbonate unit (Dunlap Formation)
	Jdc_2	Upper clastic unit (Dunlap Formation)
	Jdl_1	Lower carbonate unit (Dunlap Formation)
	Jdc_1	Lower clastic unit (Dunlap Formation)
TRIASSIC-JURASSIC	$J\overline{T}Rsg$	Sunrise and Gabbs Formations, undifferentiated
TRIASSIC	$\overline{T}Rlu$	Carbonate member (Luning Formation)
	$\overline{T}Rls$	Calcareous shale member (Luning Formation)
	$\overline{T}Rll$	Shaly limestone member (Luning Formation)
	$\overline{T}Rlc$	Clastic member (Luning Formation)
	$\overline{T}Rgl$	Limestone member (Gardner Formation)
	$\overline{T}Rgc$	Clastic member (Gardner Formation)
CAMBRIAN, PERMIAN(?)	Pg	Greenstone Unit (Chainman, Ely Springs, Pogonip, Eureka, Hidden Pass, Secret Canyon, Pioneer, Stirling Formations)
	Cd, Cls	Cambrian dolomite
	Cq	Cambrian Quartzite

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 Iona, Nevada 7.5 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.

2000 0 2000 4000 6000 8000

SCALE IN FEET

CONTOUR INTERVAL 40 FEET

CONTINENTAL OIL COMPANY
MINERALS DEPARTMENT
RENO OFFICE

4440 0667

Conoco - Shoeshone Mtns. Project

258

Conoco- Shoeshone Mtns. Project

258

Run at 8 High Spd. paper