2150 0010

Lee quadrangle

Your map

Qal - alluvium

Qt - gravel, sand, silt on prominent terraces

Qg - gravel, sand, silt, unconsolidated or poorly consolidated, mostly non-tuffaceous but may include a few glass shards in a very few places; stream laid, wind deposited, and colluvial

Qh - gravel, sand, silt, limestone, well concolidated, non-tuffaceous

Qah - gravel, sand, silt, mostly well consolidated, limestone, some beds tuffaceous

Upper Miocene Tb - basalt — Tb

(Upper Miocene or Pliocene Tpl - mostly silt, sand, and pebble gravel; glass shards in some beds; pink to white; some beds well consolidated

Upper Miocene Thc (Th on other map) - conglomerate, sandstone, siltstone, bedded ash, some limestone; conglomerate contains clasts of crystalline rocks from Ruby Mountains — Ts

Oligocene Tiw - siltstone, sandstone, conglomerate, bedded ash; as mapped contains no Ruby Mountain pebbles — Tw

Upper Eocene or Lower Oligocene 38 my Te (?)- "Elko Fm." (?) - limestone, sandstone, thin bedded white siliceous mudstone, prominent ostracode coquinites, some oolitic limestone and mudstone, thin beds of tuff, tuffaceous sandstone — Tso

Eocene Tl - limestone, dense and sugary, gray to light tan and white, thick bedded — Tso

" Tlc - limestone, mostly gray and dense, some creamy tan, contains much opaline chert that is mostly dark brown to almost black, contains snails — Tso

" Tp - conglomerate, sandstone, siltstone, and limestone; commonly red weathered surface or red soil — Tso

Pe (?)- Strathearn Formation - gray limestone

Tpl was not recognized in the other quads. On the basis of many, but not too good, bones from it Ed Lewis favors lower Pliocene but says it could be upper Miocene. Probably in yours Ts. May be younger than Tb, but I can't tell.

United States Department of the Interior
GEOLOGICAL SURVEY
Denver Federal Center
Denver, Colorado 80225

IN REPLY REFER TO:

Dec. 7, 1971

Dear Roger,

The Lee quad is enclosed. I took a few minutes to do a rough coloring job because the print is not very clear in places. All Q units are uncolored. A few lines will be changed slightly when I take the time to transfer some from photos. The ones shown were all done in the field and I doubt that any changes will be enough to bother at your scale.

There's not much on this quad unless someone likes to subdivide gravel and dirt. Keith Howard had the toughest part.

Sincerely,
Fred Smith

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LEE QUADRANGLE
NEVADA—ELKO CO.
15 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1958. Field checked 1962.

Polyconic projection. 1927 North American datum
10,000-foot grid based on Nevada coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue

GN MN
0°54' 16 MILS
17½° 311 MILS
UTM GRID AND 1962 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:62 500

1 ½ 0 1 2 3 4 MILES
3000 0 3000 6000 9000 12000 15000 18000 21000 FEET
1 .5 0 1 2 3 4 5 KILOMETERS

CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT 40-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

NEVADA
QUADRANGLE LOCATION

ROAD CLASSIFICATION
Medium-duty — — — Light-duty
Unimproved dirt
State Route

LEE, NEV.
N4030—W11530/15
1962
AMS 2865 II—SERIES V796

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

SPECIAL PRINTING
Contours and woodland symbols omitted

Grateful Dead - "Ripple"

Smith
aH 8591

27500010