U. S. Geological Survey OPEN FILE REPORT This map or illustration is preliminary and has not been calted or reviewed for conformity with Geological Survey

standards or nomenclature.

## EXPLANATION MINES AND PROSPECTS TERTIARY D High angle fault, Igneous rocks Uranium Locations dashed where approxichiefly diorite shown in areas of porphyry mately located, **₫JRsg** are of shafts dotted where con-CRETACEOUS to workings in Kmb cealed; U, upthrown the Chinle formation (Rc) side; D, downthrown Mancos shale, Dakota sandstone, and Burro Canyon side Copper formation Contact, dashed -JURASSIC where approximately Jm Manganese located Morrison formation JRsg Anticline, showing trace of axial plane San Rafael and bearing and plunge of axis and Glen TRIASSIC Canyon Groups dashed where approxiundifferentiated mately located 109° 15' W Chinle formation RPIPA IAN RM V Triassic, Permian, Twin Logs LA SAL and Pennsylvanian PE Cutler formation MTNS Lackey Cr. PENNSYL-Jm entiated T. 285 T. 28 S. Hermosa formation RPIP Jm LMn Blue Jay Prospect JRsg Rattlesnake T. 29 S. T. 29 S. JmD North Alice Far West R. 25 E 38° 15' N 38°15'N-Radon Big Indian Cord-T. 29 S. -Mn prospect La Sal-JESG isbon Valley fault Cal Uranium T. 29 1/2 S. Jmia Lisbon Valley Mi Vida anticline Big Buck Little Beaver \_Muddy River T. 30 S. T. 30 S. Uranium -Woods JRsg BRAR Blackbird Service-Roanoke berr Geneva Wilson Divide Incline Continental No Good Hope I Bee Green Fly Dime South T. 31 S. T. 31 S. Side Sunnyside. Black Bottom Liberty I-Profit No. 1 Sunset Hornet Jm Frisco R. 25 E. R.23 E. R.24 E. 109°15'W NOTE: The mines and prospects shown include only Geology and mine locations from Weir, G.W. and Puffet, W.P. (unpublished data). those to which reference is made in the text 3 4 5 6 7 8 9 10 MILES SCALE

FIGURE 2.- GENERALIZED GEOLOGIC MAP OF PART OF THE LISBON VALLEY AREA