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no. 856

U.S. GEOLOGICAL SURVEY  
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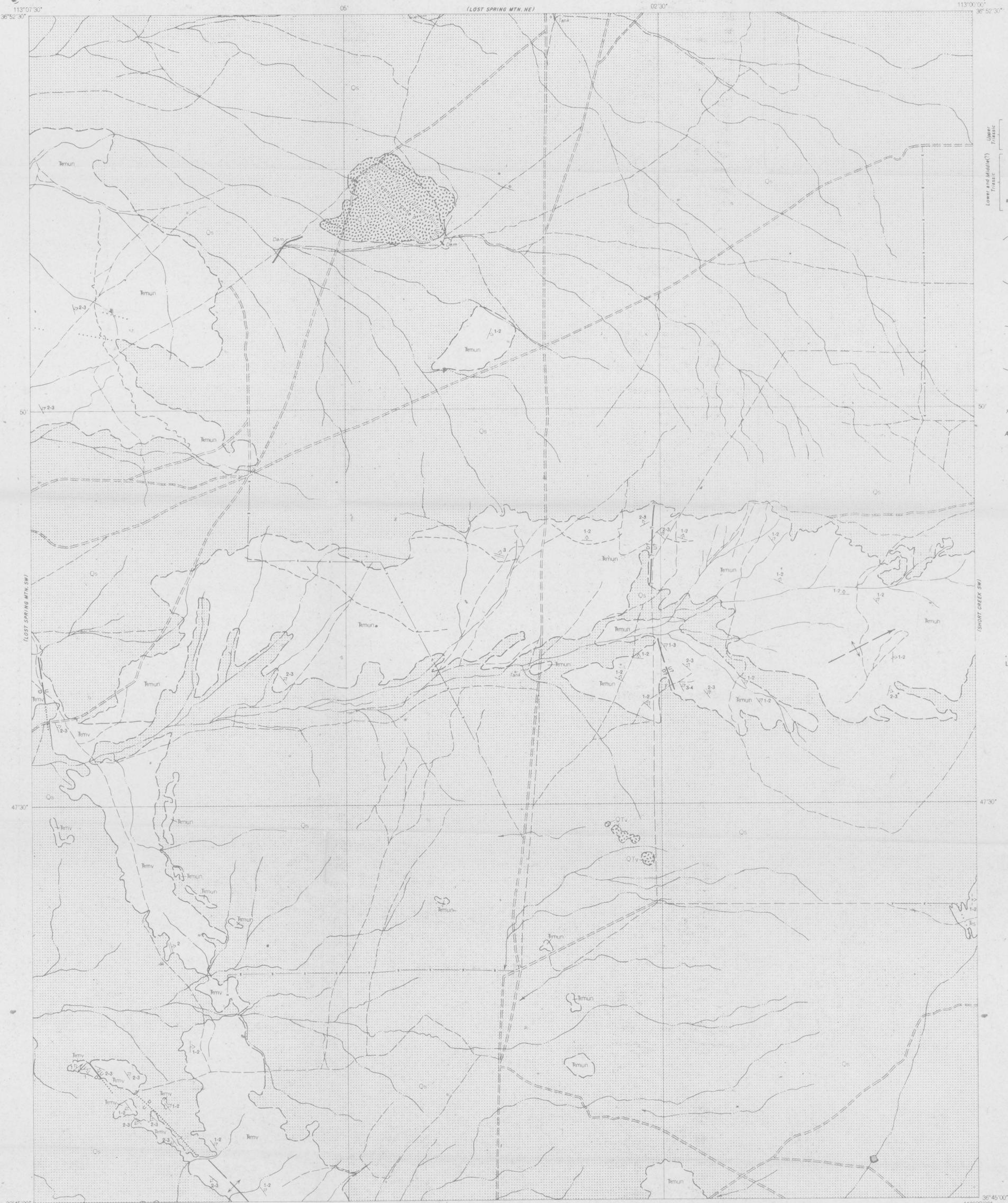
DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE  
U. S. ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP, LOST SPRING MOUNTAIN SE  
ARIZONA-MOHAVE COUNTY  
TRACE ELEMENTS MEMORANDUM REPORT 856

EXPLANATION

- Surficial deposits  
(may include small areas of volcanic  
rocks in the southern half of the map)
- Volcanic rocks
- Shinarump conglomerate
- Moenkopi formation  
Upper red member, Shinarump member,  
and Middle red member, undifferentiated, Tmun;  
Virgin limestone member, Tmv
- Contact  
Can be located  
within 30 feet horizontally.
- Contact  
Can be located  
within 30 to 200 feet horizontally.
- Contact  
Cannot be located accurately, probable  
error greater than 200 feet horizontally.
- Conspicuous bed  
within a formation  
May be traceable only locally.
- Fault  
U, upthrown side; D, downthrown side.  
Approximately located; dotted where concealed.  
Questioned where probable.
- Anticline  
Showing crest line  
and direction of plunge  
Approximately located.
- Anticline  
Minor fold showing plunge
- Strike and dip of beds  
Computed by photogrammetric methods.
- Approximate strike and dip of beds  
Based on photointerpretation.
- Inferred strike and dip of beds  
Based on photointerpretation of  
areas where bedding is obscure.
- Linear feature uninterpretable on photograph  
May be geologically significant.
- Secondary road
- Trail
- Fence



Base map compiled by U. S. Geological Survey  
from vertical aerial photographs.  
The aerial photographs used for photogeologic  
interpretation were taken in 1963.  
Roads as classified in this map series are as follows:  
Primary roads are maintained and graded, traversable by  
two-wheel-drive vehicles, secondary roads are traversable  
possibly by two-wheel-drive vehicles, trails are not  
traversable by four-wheel-drive vehicles except locally.  
When other information is lacking, roads are classified  
by their appearance on aerial photographs.

15-MINUTE QUADRANGLE  
LOST SPRING MOUNTAIN

PHOTOGEOLOGY BY C. H. MARSHALL  
SCALE 1:24,000  
APRIL 1965

This preliminary report is distributed without  
editorial and technical review for conformity  
with official standards and nomenclature.  
It is not for public inspection or quotation.

Stratigraphic column for this area modified from Geol. Soc.  
America Mem. 63: 1964 and U. S. Geol. Survey Prof. Paper  
220: 1960; geographic and geologic field data from Prof.  
Paper 220.  
This map has been compiled mainly from photogeologic data  
but has not been checked in the field; hence it has not had  
the benefit of thorough evaluation with respect to maps compiled  
entirely from field data.

HEASTON KNOLLS NW