

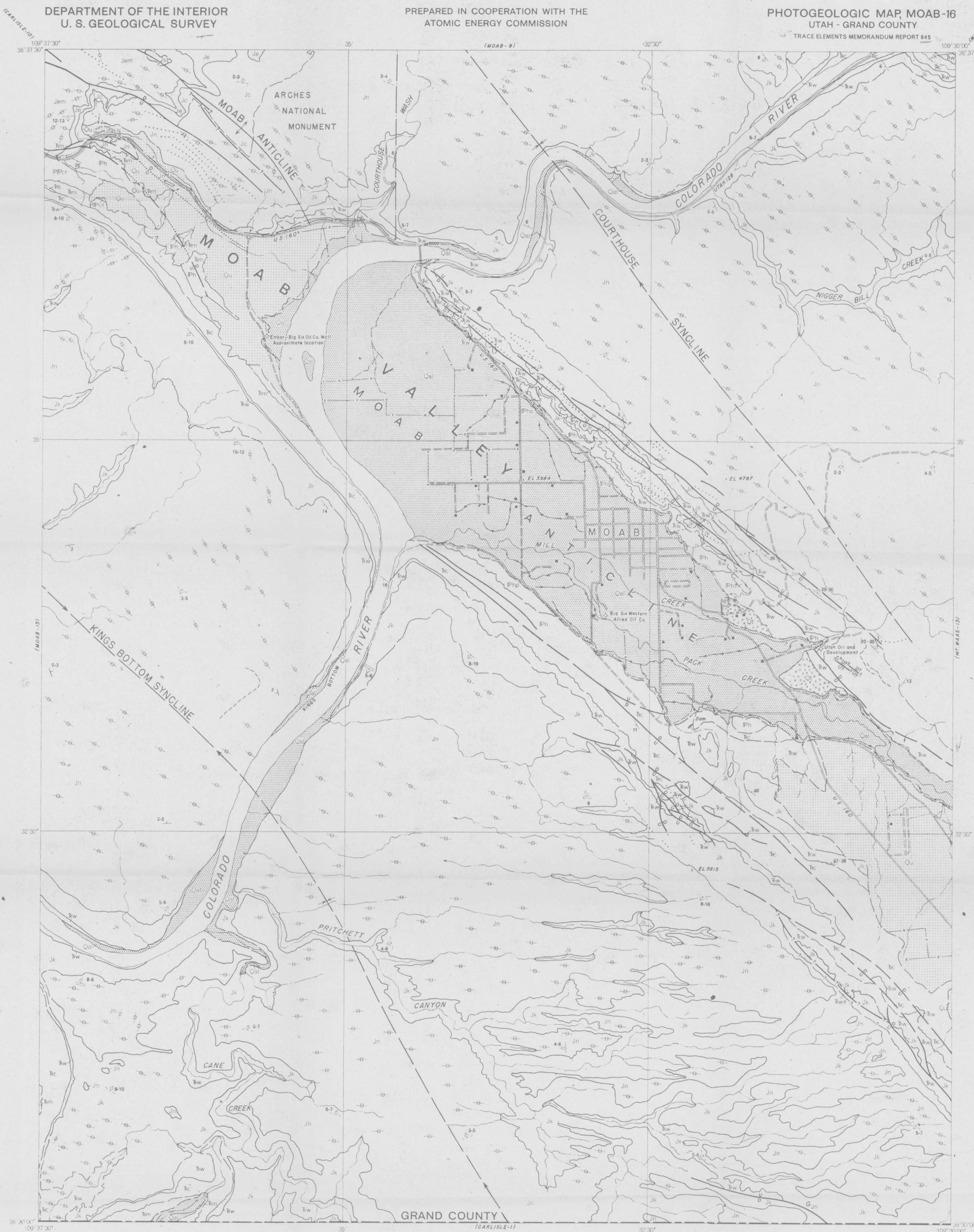
U.S. GEOLOGICAL SURVEY  
DENVER  
AUG 19 1986  
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GEOLOGIC DIVISION

DEPARTMENT OF THE INTERIOR  
U. S. GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE  
ATOMIC ENERGY COMMISSION

PHOTOGEOLOGIC MAP MOAB-16  
UTAH - GRAND COUNTY  
TRACE ELEMENTS MEMORANDUM REPORT 845

EXPLANATION



- Alluvium
  - Terrace deposits
  - Undifferentiated sand, residual mantle and slope wash
  - Summerville formation
  - Entrada sandstone, Moab tongue, Jem; lower part, Je
  - Carmel formation
  - Navajo sandstone
  - Kayenta formation
  - Wingate sandstone
  - Chinle formation
  - Shinarump conglomerate
  - Moenkopi formation
  - Cutler and Rico formations, undifferentiated
  - Hermosa formation, IPh; Paradox member, IPh
- 
- 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
  - Probable contact
  - Resistant bed within a formation  
May be traceable only locally
  - Fault  
Dashed where approximately located  
U, upthrown side; D, downthrown side  
Questioned where probable
  - Concealed fault
  - Anticline  
Showing crest line
  - Syncline  
Showing trough line and direction of plunge  
Approximately located
  - Strike and dip of beds  
Based on field measurement
  - Strike and dip of beds  
Computed by photogrammetric methods
  - Approximate strike and dip of beds  
Based on photo-interpretation
  - Inferred strike and dip of beds  
Based on photo-interpretation of areas where bedding is obscure
  - Strike of approximately vertical joints  
Based on photo-interpretation
  - Linear feature uninterpretable on photograph  
May be geologically significant
  - Dry hole
  - Irrigation ditch
- 
- National Monument boundary
  - County boundary
  - Primary road
  - 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 June 1960 and September 1962.  
*This map is preliminary and has not been edited or reviewed for conformity with U. S. Geological Survey standards and nomenclature.*

4	3	2	1
5	6	7	8
12	11	10	9
13	14	15	16

MOAB QUADRANGLE

PHOTOGEOLOGY BY W. R. HEMPHILL  
SCALE 1:24,000  
OCTOBER 1964

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.

Stratigraphic column for this area modified from U. S. Geol. Survey Bull. 841, 1933 and U. S. Geol. Survey Bull. 906, 1962; geographic and geologic field data also from Bulls. 841 and 906.  
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.

Note: Because of the use of more accurate plotting instruments in the compilation of this map, a proper join could not be made with Carlisle 1 to the south.