



**EXPLANATION**

	Qal	QUATERNARY
Alluvium and colluvium <i>Locally includes windblown material</i>		
	Ku	CRETACEOUS
Sedimentary rocks undivided <i>Locally includes some Jurassic rocks</i>		
	Ju	JURASSIC
Sedimentary rocks undivided <i>Locally includes some Cretaceous and Triassic rocks</i>		
	Tu	TRIASSIC(?)
Sedimentary rocks undivided <i>Locally includes some Jurassic and Permian rocks</i>		
	Pu	PERMIAN(?) AND PERMIAN
Sedimentary rocks undivided <i>Locally includes some Triassic and Pennsylvanian rocks</i>		
	Pp	PENNSYLVANIAN AND PERMIAN
Sedimentary rocks undivided <i>Locally includes some Permian rocks</i>		
	Pp	CARBONIFEROUS
Paradox Member of the Hermosa Formation		

Contact  
*Dashed where approximately located*  
 Fault  
*Bar and ball on downthrown side; dashed where approximately located; dotted where concealed*  
 Anticline, approximately located  
*Showing trace of axial plane and plunge of axis*  
 Syncline, approximately located  
*Showing trace of axial plane and plunge of axis*  
 Structure contours, approximately located  
*Drawn on base of Dakota Sandstone. Interval 250 and 500 feet. Datum is mean sea level. Hackures indicate structural depression*

- LIST OF DRILL HOLES**
1. McRae Oil and Gas Co. McRae-Federal 1
  2. Federal Oil Co. Federal-Bowknot 1
  3. Pure Oil Co. Big Flat Unit 5
  4. Delti Oil Co. Utah 2
  5. Pure Oil Co. U.S.A. Mineral Point 1
  6. Glen M. Ruby Unit 1
  7. Tidewater Associated Oil Co. Big Flat Unit 74-11
  8. King Oil Co. Ruby 2
  9. Pure Oil Co. Big Flat Unit 2
  10. Pure Oil Co. Big Flat Unit 1
  11. Pure Oil Co. Big Flat Unit 3
  12. Southern Natural Gas Co. Unit 1
  13. Southern Natural Gas Co. Unit 2
  14. Jay Roberts White Cloud 1
  15. Murphy Corp. Little Valley Unit 1
  16. Cabene Exploration Co. Big Flat-Government 1
  17. Transcontinental Oil Co. M.G.M. 2
  18. Transcontinental Oil Co. Texas Gulf-Federal 1
  19. Modco, Inc., M.G.M. 1
  20. Mason Oil Co.-Modco, Inc., M.G.M. 2
  21. British-American Oil Producing Co. Federal-Ormsby 1
  22. Southern Natural Gas Co. U.S.A. 2
  23. Midwest Exploration Co. J. H. Shafer 1
  24. Humble Oil and Refining Co. West Bridger Jack Unit 3
  25. Humble Oil and Refining Co. Bridger 1
  26. E. B. La Rue Government 1 (not on this map)
  27. Husky Oil Co. Buck Mesa 1
  28. Pan American Petroleum Corp. Murphy Range Unit 1
  29. Shell Oil Co. Murphy Range 1
  30. Gulf Oil Corp. Aztec-Lockhart-Federal 1
  31. Pan American Petroleum Corp. U.S.A.-Lockhart 1
  32. Richfield Oil Corp. Hatch Mesa 1
  33. Pan American Petroleum Corp. Charles 1
  34. Pure Oil Co. Flat Iron 1 (not on this map)
  35. Cities Service Oil Co. Government 1-B (not on this map)
  36. Humble Oil and Refining Co. Rustler Dome 1
  37. Pure Oil Co. Horsehead 1
  38. Reynolds Mining Co. Gibson Dome 1
  39. Pure Oil Co. Test Canyon 1
  40. Gulf Oil Corp. Hart Point 1
  41. Texaco, Inc., Cataract Canyon 2 (not on this map)
  42. Pure Oil Co. Glen M. Ruby Unit 1-A
  43. Moab Drilling Co. Government 1
- A ——— A'  
Gravity profile

Base from Army Map Service  
1:250 000 series:Moab, 1957

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1966—G6603  
Geology generalized from Miscellaneous Geologic  
Investigation map I-360 (Williams, 1964)

**GENERALIZED GEOLOGIC MAP OF THE MOAB-NEEDLES AREA, UTAH**

