

This map concerns work done on behalf of the Division  
of Raw Materials of the U.S. Atomic Energy Commission

metadc502299



**EXPLANATION**

**Upper Cretaceous**

- Kd**  
Dakota sandstone  
Light-red and brown conglomeratic sandstone with interbedded carbonaceous gray shale.

**Lower Cretaceous**

- UNCONFORMITY**
- Kbc**  
Burro Canyon formation  
White, gray, and red sandstone and conglomerate with interbedded red and green sandstone and minor amounts of dense gray cherty limestone.
- Jmb**  
**Jms**  
Morrison formation  
Variegated sandstone and shale; grayish-yellow, very pale orange, and white sandstone, local thin limestone beds. Jmb, Brushy Basin member, consisting of bentonitic mudstone and shale, but including some sandstone and conglomerate lenses. Jms, Salt Wash member, consisting of interbedded sandstone and red and green sandstone.
- Js**  
Summerville formation  
Thin-bedded red, green, and brown sandy and silty shales and sandstones.
- DJS**  
Pre-Summerville formations (Jurassic and older)

**Contact**  
(Dashed where approximately located)

**Fault**  
(Dashed where approximately located; U, upthrown side; D, downthrown side)

**Fault**  
Subsurface trace of fault at the base of the Summerville formation.

**Syncline**  
(Showing trace of axial plane and bearing and plunge of axis; dashed where approximately located)

**Structure contours**  
5400  
Drawn at the base of the Summerville formation or at the base of the Burro Canyon formation and projected to the base of the Summerville formation. Average vertical separation 650 feet; short dashes indicate projection above surface. Contour interval 100 feet. Datum is mean sea level.

**Strike and dip of beds**

**Adit**

**Prospect**

**Mine**

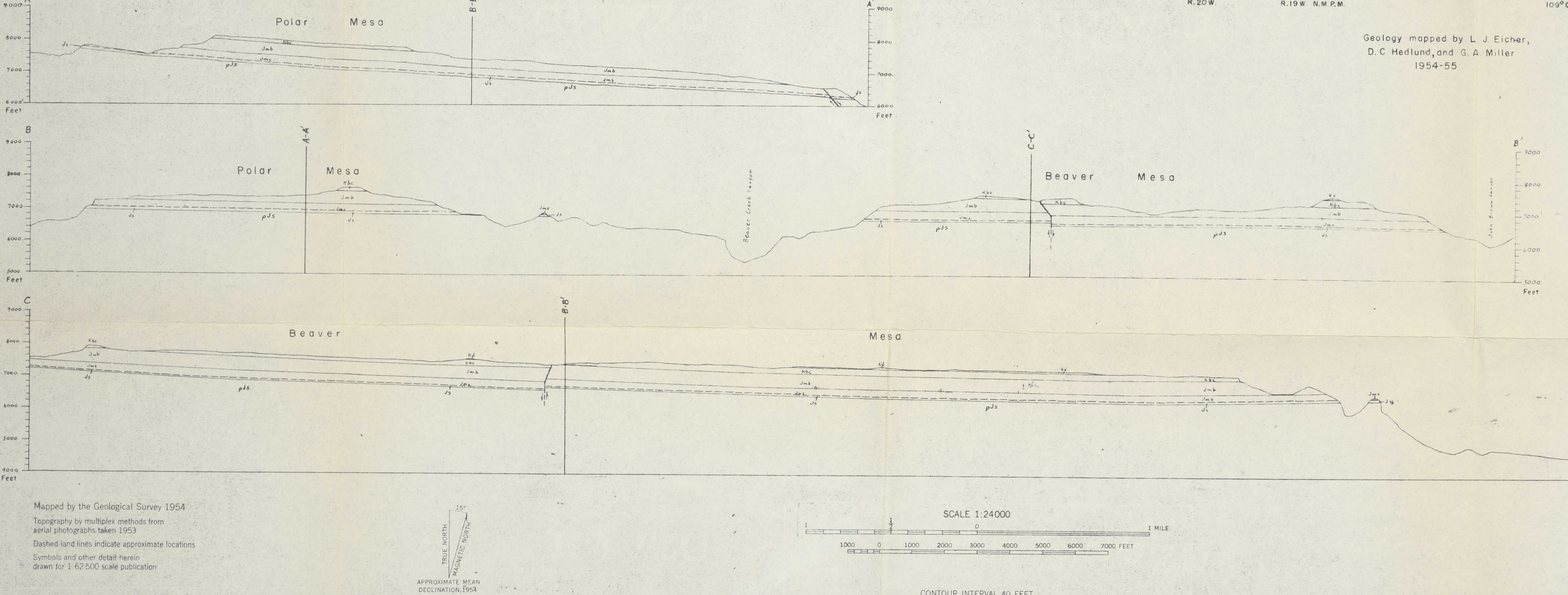
**Vertical shaft**

**Inclined shaft**

**Mine index number**

**MINE INDEX**

Beaver Mesa		Polar Mesa	
1. Ajax	2. Alia	1. Avis	2. Black Jack
3. Austin No. 8	4. Big Louie	3. Captain Jack	4. Dotay
5. Bonanza Nos. 1 and 2	6. Canyon No. 1	5. Earl	6. Effie F.
7. Canyon No. 4	8. Captain Jinks	7. Elva M.	8. Elva M. No. 2
9. Cedar Point No. 2	10. Doctor Jr.	9. Elva M. No. 2 (East mine)	10. Emma
11. Grandco No. 2	12. J. W. L. Fraction No. 1	11. Foster	12. Freeport
13. La Salle No. 4	14. La Salle No. 5	13. F. W. No. 3	14. Helen F.
15. La Salle No. 6	16. La Salle No. 2 (shale)	15. Jumbo	16. Louis A.
17. La Salle No. 2 (limestone)	18. Lode mine	17. Louis A. No. 2	18. Mary No. 3
19. Lost Indian No. 2	20. Lucky Pine No. 2	19. Mineral Polar No. 22	20. New Armstrong
21. Lumsden No. 1	22. Lumsden No. 2	21. Perry	22. Petrified Tree
23. Lumsden No. 3	24. Pack Rat No. 1	23. Petrified Tree (Lower adit)	24. Petrified Tree No. 8
25. Prospect No. 2	26. Prospect No. 4	25. Petrified Tree No. 9	26. P.P.S.E.
27. Prospect No. 7	28. Prospect No. 9	27. Pinto Jack	28. Pittsburg
29. Rae Marie No. 3	30. Rae Marie Nos. 4 and 5	29. Polar King	30. Polar No. 2
31. Rae Marie No. 6	32. Yellowbird No. 2	31. Polar No. 3	32. Polar No. 7 ("Jap" shaft)
		33. Ris Rock	34. Skyrocket Fraction
		35. Thompson C.	36. Thomas B.
		37. Vivian	38. Yellow Jacket



Geology mapped by L. J. Eicher,  
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1954-55

Mapped by the Geological Survey 1954  
Topography by multiple methods from  
aerial photographs taken 1953  
Dashed land lines indicate approximate locations  
Symbols and other details herein  
drawn for 1:62,500 scale publication

