

UNITED STATES
DEPARTMENT OF THE INTERIOR
RESERVOIR SEDIMENTATION
DATA SUMMARY

Cornfield Wash (2)
NAME OF RESERVOIR

GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
57-5
DATA SHEET NO.

| | | | | | | | | | | | | |
|-------------------------|---|--|---|-------------------------------|---------------------------------------|-----------------------------------|------------------------|--|----------------------------|--|-----------------------------|--|
| DAM | 1. OWNER USDI - BLM | | | 2. RIVER Trib. of Rio Puerco | | 3. STATE New Mexico | | | | | | |
| | 4. SEC. 9 TWP. 18N RANGE 3W | | | 5. NEAREST TOWN Cuba, N. Mex. | | 6. COUNTY Sandoval | | | | | | |
| | 7. STREAM BED ELEV. 75.1* | | | 8. TOP OF DAM ELEV. 101.3* | | 9. SPILLWAY CREST ELEV. 96.3* | | | | | | |
| RESERVOIR | 10. STORAGE ALLOCATION | | 11. ELEVATION TOP OF POOL | | 12. SURFACE AREA ACRES | | 13. STORAGE ACRE- FEET | | 14. ACCUMULATED ACRE- FEET | | 15. DATE STORAGE BEGAN | |
| | a. FLOOD CONTROL | | | | | | | | | | April 1951 | |
| | b. POWER | | | | | | | | | | | |
| | c. WATER SUPPLY | | | | | | | | | | 16. DATE NORMAL OPER. BEGAN | |
| | d. IRRIGATION | | | | | | | | | | | |
| | e. CONSERVATION | | 96.3* | | 9.7 | | 54.1 | | 54.1 | | | |
| | f. INACTIVE | | | | | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR 0.16 MILES | | | | AV. WIDTH OF RESERVOIR .09 MILES | | | | | | | |
| | 18. TOTAL DRAINAGE AREA 0.87 SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION INCHES | | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 0.85 SQ. MI. | | | | 23. MEAN ANNUAL RUNOFF 0.37 INCHES | | | | | | | |
| | 20. LENGTH 1.23 MILES AV. WIDTH 0.71 MILES | | | | 24. MEAN ANNUAL RUNOFF 17.3 AG.-FT. | | | | | | | |
| | 21. MAX. ELEV. 6,760 | | MIN. ELEV. 6,520 | | 25. CLIMATIC CLASSIFICATION Semi-arid | | | | | | | |
| SURVEY DATA | 26. DATE OF SURVEY | | 27. PERIOD YEARS | 28. ACCL. YEARS | 29. TYPE OF SURVEY | 30. NO. OF RANGES OR CONTOUR INT. | 31. SURFACE AREA ACRES | 32. CAPACITY ACRE- FEET | | 35. C _w RATIO AG.-FT. PER SQ. MI. | | |
| | April 1951 Oct. 1960 | | 10 ^{1/} | 10 | Contour | | 9.7 | 54.1 45.1 | | 63.6 53.1 | | |
| | 28. DATE OF SURVEY | | 34. PERIOD ANNUAL PRECIPITATION | | 35. PERIOD WATER INFLOW ACRE- FEET | | | 36. WATER INFL. TO DATE AG.-FT. | | | | |
| | | | | | a. MEAN ANNUAL | b. MAX. ANNUAL | c. PERIOD TOTAL | d. MEAN ANNUAL | e. TOTAL TO DATE | | | |
| | April 1951 Oct. 1960 | | | | 17.3 | 45.9 | 173.1 | 17.3 | 173.1 | | | |
| | 28. DATE OF SURVEY | | 37. PERIOD SEDIMENT DEPOSITS ACRE- FEET | | | | | 38. TOTAL SED. DEPOSITS TO DATE. ACRE- FEET. | | | | |
| | | | a. PERIOD TOTAL | b. AV. ANNUAL | c. PER SQ. MI.-YEAR | d. TOTAL TO DATE | e. AV. ANNUAL | f. PER SQ. MI.-YEAR | | | | |
| | Oct. 1960 | | 9.0 | .9 | 1.06 | 9.0 | .9 | 1.06 | | | | |
| | 28. DATE OF SURVEY | | 39. AV. DRY WGT. LBS. PER CU. FT. | | 40. SED. DEP. TONS PER SQ. MI.-YR. | | 41. STORAGE LOSS PCT. | | 42. SED. INFLOW PPM | | | |
| | | | a. PERIOD | b. TOTAL TO DATE | a. AV. ANNUAL | b. TOT. TO DATE | a. PERIOD | b. TOT. TO DATE | | | | |
| April 1951 Oct. 1960 | | | | | | 1.7 | 16.6 | | | | | |

* Assumed datum
1/ Runoff seasons

| | | | | | | | | | | | | |
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| 26. DATE OF SURVEY | 43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, CREST ELEVATION | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION | | | | | | | | | | | |
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|-----------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|
| 26. DATE OF SURVEY | 44. REACH DESIGNATION PERCENT OF TOTAL ORIGINAL LENGTH OF RESERVOIR | | | | | | | | | | | | | | |
| | 0-10 | 10-20 | 20-30 | 30-40 | 40-50 | 50-60 | 60-70 | 70-80 | 80-90 | 90-100 | -105 | -110 | -115 | -120 | -125 |
| | PERCENT OF TOTAL SEDIMENT LOCATED WITHIN REACH DESIGNATION | | | | | | | | | | | | | | |
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| 45. RANGE IN RESERVOIR OPERATION | | | | | | | |
| WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW AC.-FT. | WATER YEAR | MAX. ELEV. | MIN. ELEV. | INFLOW AC.-FT. |
| | | | | | | | |

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|----------------------------------|------|----------|-----------|------|----------|-----------|------|----------|
| 46. ELEVATION-AREA-CAPACITY DATA | | | | | | | | |
| ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY | ELEVATION | AREA | CAPACITY |
| | | | | | | | | |

47. REMARKS AND REFERENCES
 Data contained in U. S. Geological Survey Water Supply Paper in process of publication

48. AGENCY SUPPLYING DATA U. S. Geological Survey
 Water Resources Division 49. DATE May 7, 1962