

U.S. DEPARTMENT OF AGRICULTURE
**RESERVOIR SEDIMENTATION
DATA SUMMARY**

Droege

SOIL CONSERVATION SERVICE
31-22
DATA SHEET NO.

NAME OF RESERVOIR

| | | | | | | | | | | | | |
|----------------|--|-----|---|------------------------------------|--|---|-------------------------------|---------------------------------|-----------------------------------|--|-----------------------------|--|
| DAM | 1. OWNER W. A. Droege | | | 2. RIVER Unnamed Tributary | | | 3. STATE Kansas | | | | | |
| | 4. SEC. SE 29 TWP. 14 S RANGE 14 E | | | 5. NEAREST TOWN Osage City | | | 6. COUNTY Osage | | | | | |
| | 7. STREAM BED ELEV. 1000* | | | 8. TOP OF DAM ELEV. 1020* | | | 9. SPILLWAY CREST ELEV. 1017* | | | | | |
| 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 | | | | | | | | | | March 1944 | |
| | b. POWER | | | | | | | | | | | |
| | c. WATER SUPPLY | | 1015* | | 2.85 | | 12.89 | | 12.89 | | 16. DATE NORMAL OPER. BEGAN | |
| | d. IRRIGATION | | | | | | | | | | | |
| | e. CONSERVATION | | | | | | | | | | March 1944 | |
| | f. INACTIVE | | | | | | | | | | | |
| WATERSHED | 17. LENGTH OF RESERVOIR 0.07 MILES | | | | AV. WIDTH OF RESERVOIR 0.03 MILES | | | | | | | |
| | 18. TOTAL DRAINAGE AREA 0.4 SQ. MI. | | | | 22. MEAN ANNUAL PRECIPITATION 35* INCHES | | | | | | | |
| | 19. NET SEDIMENT CONTRIBUTING AREA 0.4 SQ. MI. | | | | 23. MEAN ANNUAL RUNOFF INCHES | | | | | | | |
| | 20. LENGTH 0.8 MILES | | AV. WIDTH 0.5 MILES | | 24. MEAN ANNUAL RUNOFF AC.-FT. | | | | | | | |
| | 21. MAX. ELEV. 1000* | | MIN. ELEV. | | 25. CLIMATIC CLASSIFICATION | | | | | | | |
| 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 | 33. C/W RATIO AC.-FT. PER SQ. MI. | | | |
| | Mar., 1944 | | - | - | - | - | 2.85 | 12.89 | 32.2 | | | |
| | Sept., 1955 | | 11.5 | 11.5 | Range | 4 | 2.47 | 8.4 | 21.0 | | | |
| | 26. DATE OF SURVEY | | 34. PERIOD ANNUAL PRECIPITATION | | 35. PERIOD WATER INFLOW ACRE- FEET | | | 36. WATER INFL. TO DATE AC.-FT. | | | | |
| | | | | | a. MEAN ANNUAL | b. MAX. ANNUAL | c. PERIOD TOTAL | d. MEAN ANNUAL | e. TOTAL TO DATE. | | | |
| | | | | | | | | | | | | |
| | 26. 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 | | | | |
| | September 1955 | | 4.49 | 0.39 | .97 | 4.49 | 0.39 | .97 | | | | |
| | 26. 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 | | | | |
| September 1955 | | 60* | 1267 | 1267 | 3.0 | 34.8 | | | | | | |

*Assumed

| | | | | | | | | | | | | | | |
|-----------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| 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. |
| | | | | | | | |

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

47. REMARKS AND REFERENCES

48. AGENCY SUPPLYING DATA Soil Conservation Service 49. DATE _____