

RESERVOIR SEDIMENT  
DATA SUMMARY

SCS-34 Rev. 6-66

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE

Siebert

NAME OF RESERVOIR  
Cimarron Basin  
Trib. of

46-37

DATA SHEET NO.

DAM	1. OWNER <b>Siebert</b>		2. STREAM <b>Big Sandy</b>		3. STATE <b>Kansas</b>			
	4. SEC. <b>NW20</b> TWP. <b>34</b> RANGE <b>26</b>		5. NEAREST P. O. <b>Meade</b>		6. COUNTY <b>Meade</b>			
	7. LAT. <b>37° 04' 30"</b> LONG. <b>100° 11' 00"</b>		8. TOP OF DAM ELEVATION <b>103 1/</b>		9. SPILLWAY CREST ELEV. <b>100 1/</b>			
RESERVOIR	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. ORIGINAL SURFACE AREA, ACRES	13. ORIGINAL CAPACITY, ACRE-FEET	14. GROSS STORAGE, ACRE-FEET	15. DATE STORAGE BEGAN		
	a. FLOOD CONTROL					January 1952		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY	<b>100 1/</b>	<b>0.7</b>	<b>8.0</b>	<b>8.0</b>	16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION					January 1952		
	g. INACTIVE							
WATERSHED	17. LENGTH OF RESERVOIR <b>0.10 2/</b> MILES		AV. WIDTH OF RESERVOIR <b>0.015</b> MILES					
	18. TOTAL DRAINAGE AREA <b>0.23</b> SQ. MI.		22. MEAN ANNUAL PRECIPITATION <b>21</b> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA <b>0.23</b> SQ. MI.		23. MEAN ANNUAL RUNOFF <b>0.40</b> INCHES					
	20. LENGTH <b>1.0</b> MILES	AV. WIDTH <b>0.25</b> MILES	24. MEAN ANNUAL RUNOFF <b>5</b> AC.-F.T.					
	21. MAX. ELEV. <b>150 1/</b>		MIN. ELEV. <b>50 1/</b>		25. ANNUAL TEMP: MEAN RANGE			
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/I RATIO, AC.-FT. PER AC.-FT.
	<b>June 26 1966</b>	<b>14.5</b>	<b>14.5</b>	<b>Range (R)</b>	<b>4 (M)</b>	<b>0.7</b>	<b>Original 8.0 Present 7.15</b>	<b>1.6 1.5</b>
	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	a. MEAN ANNUAL	b. TOTAL TO DATE	
	26. DATE OF SURVEY	37. PERIOD CAPACITY LOSS, ACRE-FEET			38. TOTAL SED. DEPOSITS TO DATE, ACRE-FEET			
		a. PERIOD TOTAL	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	a. TOTAL TO DATE	b. AV. ANNUAL	c. PER SQ. MI.-YEAR	
	<b>June 26 1966</b>	<b>0.85</b>	<b>0.06</b>	<b>0.26</b>	<b>0.85</b>	<b>0.06</b>	<b>0.26</b>	
	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. ANN.	b. TOT. TO DATE	a. PERIOD	b. TOT. TO DATE
<b>June 26 1966</b>	<b>80</b>	<b>453</b>	<b>453</b>	<b>0.75</b>	<b>10.9</b>			

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET BELOW, AND ABOVE, CREST ELEVATION														
	PERCENT OF TOTAL SEDIMENT LOCATED WITHIN DEPTH DESIGNATION														
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														
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

Trap Efficiency - 98%  
 Pasture good - 63%  
 Cropland - 37%

- 1/ Assumed
- 2/ No side arms to reservoir

48. AGENCY MAKING SURVEY      SCS  
 49. AGENCY SUPPLYING DATA    SCS

50. DATE      August 26, 1966