

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

**Woody Hereford Ranch**  
NAME OF RESERVOIR

<b>DAM</b>	1. OWNER <b>Woody</b>		2. RIVER <b>Unnamed Tributary</b>		3. STATE <b>Kansas</b>			
	4. SEC. <b>SE 8 TWP. 11 S RANGE 7 W</b>		5. NEAREST TOWN <b>Lincoln</b>		6. COUNTY <b>Lincoln</b>			
	7. STREAM BED ELEV. <b>1000*</b>		8. TOP OF DAM ELEV. <b>1016*</b>		9. SPILLWAY-CREST ELEV. <b>1014*</b>			
<b>RESERVOIR</b>	10. STORAGE ALLOCATION	11. ELEVATION TOP OF POOL	12. SURFACE AREA ACRES	13. STORAGE ACRE- FEET	14. ACCUMULATED ACRE- FEET	15. DATE STORAGE BEGAN		
	d. FLOOD CONTROL					September 1936		
	b. POWER							
	c. WATER SUPPLY	1014*	6.99	41.6	41.6	16. DATE NORMAL OPER. BEGAN		
	d. IRRIGATION							
	e. CONSERVATION					November 1936		
f. INACTIVE								
17. LENGTH OF RESERVOIR <b>0.12</b> MILES			AV. WIDTH OF RESERVOIR <b>0.05</b> MILES					
<b>WATERSHED</b>	18. TOTAL DRAINAGE AREA <b>1.20</b> SQ. MI.		22. MEAN ANNUAL PRECIPITATION <b>25*</b> INCHES					
	19. NET SEDIMENT CONTRIBUTING AREA <b>1.19</b> SQ. MI.		23. MEAN ANNUAL RUNOFF INCHES					
	20. LENGTH <b>1.7</b> MILES	AV. WIDTH <b>0.70</b> MILES		24. MEAN ANNUAL RUNOFF AC.-FT.				
	21. MAX. ELEV. MIN. ELEV.		25. CLIMATIC CLASSIFICATION					
<b>SURVEY DATA</b>	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.
	Nov., 1936 September 1955	-	-	-	-	6.99	41.6	34.7
		19	19	Range	5	6.8	23.6	19.7
	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	18.1	0.95	0.79	18.1	0.95	0.79	
	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	c. AV. ANNUAL	d. TOT. TO DATE	e. PERIOD	f. TOT. TO DATE	
September 1955	60*	1032	1032	2.3	43.3			

\* Assumed

26. DATE OF SURVEY	43. DEPTH DESIGNATION RANGE IN FEET ABOVE, AND BELOW, 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

48. AGENCY SUPPLYING DATA **SOIL CONSERVATION SERVICE**

49. DATE **NOV - 6 1951**