

RESERVOIR SEDIMENTATION
DATA SUMMARY

RESERVOIR NO 12
NAME OF RESERVOIR

47-5
DATA SHEET NO.

DAM	1. OWNER <u>MAXWELL IRRIGATION CO.</u>			2. RIVER <u>OFFSTREAM</u>			3. STATE <u>NEW MEXICO</u>									
	4. SEC. <u>21&22</u> TWP. <u>27N</u> RANGE <u>22E</u>			5. NEAREST TOWN <u>MAXWELL</u>			6. COUNTY <u>COLFAX</u>									
	7. STREAM BED ELEV.			8. TOP OF DAM ELEV.			9. SPILLWAY CREST ELEV.									
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				(YEAR 1946)						1912					
	b. POWER															
	c. WATER SUPPLY															
	d. IRRIGATION		6007.0		335		1822				16. DATE NORMAL OPER. BEGAN					
	e. CONSERVATION										1912					
	f. INACTIVE															
WATERSHED	17. LENGTH OF RESERVOIR					MILES		17. AV. WIDTH OF RESERVOIR					MILES			
	18. TOTAL DRAINAGE AREA					<u>OFFSTREAM</u>		SQ. MI.		22. MEAN ANNUAL PRECIPITATION					INCHES	
	19. NET SEDIMENT CONTRIBUTING AREA					---		SQ. MI.		23. MEAN ANNUAL RUNOFF					INCHES	
	20. LENGTH		MILES		AV. WIDTH		MILES		24. MEAN ANNUAL RUNOFF					AC.-FT.		
	21. MAX. ELEV.			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.	
	1912		0		0						?		2260*			
	1946		34		34						335		1822			
	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 SEDIMENT DEPOSITS 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			
	1912		0		0				0		0					
	1946		1110		32.6				1110		32.6					
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		
* DURING PERIOD 1912 - 1946, A TOTAL OF 672 A.F. OF CAPACITY WAS ADDED TO RESERVOIR BY ENLARGEMENT.																

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