

RESERVOIR SEDIMENT
DATA SUMMARY

SCS-34 Rev. 6-66

Pecos Arroyo (Sanquiljuela) Site #1

NAME OF RESERVOIR

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

57-23

DATA SHEET NO.

DAM	1. OWNER Gallinas-Tecolote NRCO		2. STREAM Pecos Arroyo		3. STATE New Mexico			
	4. SEC. 14 TWP. 17N RANGE 16E		5. NEAREST P.O. Las Vegas		6. COUNTY San Miguel			
	7. LAT. 35° 42' 30" LONG 105° 15' 12"		8. TOP OF DAM ELEVATION 6686.0		9. SPILLWAY CREST ELEV. 6679.9			
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	6686.0	192.7	1213.1	1732.7	6/30/65		
	b. MULTIPLE USE							
	c. POWER							
	d. WATER SUPPLY					16. DATE NORMAL OPER. BEGAN		
	e. IRRIGATION							
	f. CONSERVATION	6668.6	67.6	519.6	519.6	6/30/65		
g. INACTIVE								
WATERSHED	17. LENGTH OF RESERVOIR		0.68 MILES	AV. WIDTH OF RESERVOIR		0.44 MILES		
	18. TOTAL DRAINAGE AREA		19.34 SQ. MI.	22. MEAN ANNUAL PRECIPITATION		18.2 INCHES		
	19. NET SEDIMENT CONTRIBUTING AREA		19.04 SQ. MI.	23. MEAN ANNUAL RUNOFF		0.21/ INCHES		
	20. LENGTH	10.12 MILES	AV. WIDTH	1.91 MILES	24. MEAN ANNUAL RUNOFF		206 AC.-FT.	
	21. MAX. ELEV.	10,000	MIN. ELEV.	6662	25. ANNUAL TEMP: MEAN		50.1 RANGE 310 to 100° F	
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.
	6/65	0	0	Contour	4' C.I.	192.7	1732.7	8.40
	2/72	6.7	6.7	Range	14		1678.8	8.14
	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		
	Dry pool							
	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	
	2/72	53.9	8.04	0.42	53.9	8.04	0.42	
	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	
2/72				0.46	3			

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
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 Additional data will be furnished as acquired with subsequent surveys. <u>1/</u> Approximate														
48. AGENCY MAKING SURVEY 49. AGENCY SUPPLYING DATA				Soil Conservation Service Soil Conservation Service				50. DATE <u>3-8-76</u>						