RANGE CONDITIONS

The range conditions were good. Owing to dry conditions on the range the forage was light but the nutriment in the grasses was much higher than usual and as a result the live stock came out of the range in the fall in excellent condition.

The forest office report that moisture conditions in the Rio Grande National forest are best they have been for the past 12 years and prospect for a good water supply this coming season looms good.

This recent storm struck at an oppertune time as forest lands are unfrozen as a result of earlier storms and is in perfect condition to trap the melting moisture and prevent an early run off, thereby conserving the moisture.

MUNICIPAL WATER SYSTEMS

The Antonito water supply proved inadequate for domestic purposes and sprinkling so the City Authorities constructed a dam across the stream 4 feet high so that water would filter into their gallery. The water users complained so the water officials and the dam was removed and Court proceedings instituted, enjoining the City from further interfering with the flow of the stream. The Court made the injunction permanent but allowed the City .6 of a foot through their filtration system but no direct diversion.

Practically all towns in the district are supplied by artesian wells or surface wells.

Alamosa brought in a well from a depth of 1517 feet, going through the cap rock and obtained a flow of 550 gallons per minute. This well in conjunction with 3 other wells constitutes the City supply.

RURAL ELECTRIFICATION ADMINISTRATION

The rural electrification administration has now 300 miles of power line constructed in this division with 800 subscribers. The average cost to the consumer is $3.50 a month but as the line is a single phase system it will not carry a heavy load, such as pumping or work of that nature. Only house hold needs can be handled.

The Colorado Power Company has 100 units installed throughout the division which handles pumping plants and other heavy work and where a money crop, such as vegetables and potatoes, are raised it is practical to use their power.

WORK ACCOMPLISHED IN THE YEAR 1940
ON THE RESETTLEMENT PROJECT

Work Accomplished:

1. 2,508 acres of land leveled.
2. 2,546 acres of land chiseled to a depth of 16"
3. Spring Creek main canal, five miles in length, capacity of 23 cubic second feet of water.
4. Four miles of irrigation laterals.
5. Twenty miles of individual farm irrigation laterals.
6. Fifty-eight diversion structures.
7. Five flumes, total length of 320 feet.

Under construction at the present time:

1. One community repair shop.
2. Six complete sets of farm buildings, including houses, barns, poultry houses, etc.
3. Six new domestic artesian wells.
4. Numerous other small structures, such as food storage buildings, brooder houses, and poultry houses.

To complete the Project will require clearing some 1,200 acres, leveling and chiseling the same; the construction of fifteen sets of farm buildings, and the drilling of fifteen domestic artesian wells, along with the necessary irrigation ditches, laterals, farm ditches, and other diversion structures.

SNOW SURVEY

March 1, 1940 Snow Course Measurements

Snow Course	Location	Elevation	Depth of Snow			Water Content		
			Aug.	1939	1940	Aug.	1939	1940
Wolf Creek Pass	South Fork	10,000 ft.	74.0"	67.2"	53.0"	22.4"	19.7"	15.6"
Upper Rio Grande	Rio Grande Reservoir	9,350	22.8	19.0	16.5	4.9	4.4	3.0
Silver Lakes	Silver Lakes	9,600	22.4	26.0	14.3	4.5	4.4	3.3
River Springs	Conejos River	9,300	28.3	29.2	17.4	7.1	6.6	4.2
Veta Pass	La Veta Pass	9,300	34.4	43.8	34.0	7.9	10.3	7.7
Ute Ridge	Rio Grande Reservoir	9,700		20.9			5.1	
Summitville	Wichtman Creek	11,500	53.0	54.0	52.0	14.0	14.1	13.8
Cumbres Pass	Los Pinos Creek	10,000	69.7	80.7	57.7	23.2	22.8	18.8
Santa Maria Reservoir	South Clear Creek	9,700	13.6	16.6	10.6	3.0	3.7	2.2
Culebra					40.3			11.2
Ft. Garland					12.1			3.

April, 1940 Snow Course Measurements

Snow Course	Location	Elevation	Depth of Snow			Water Content		
			Aug.	1939	1940	Aug.	1939	1940
Wolf Creek Pass	South Fork	10,000	81.8	61.7	41.0	29.4	23.1	15.9
Upper Rio Grande	Rio Grande Reservoir	9,350	16.8	0.0	T	3.8	0.0	T
Silver Lakes	Silver Lakes	9,600	17.7	12.0	1.2	4.8	3.3	0.5
River Springs	Conejos River	9,300	23.6	16.4	6.2	7.4	4.6	2.0
La Veta Pass	La Veta Pass	9,300	23.1	22.6	15.5	6.8	7.2	5.5
Ute Ridge	Rio Grande Reservoir	9,700	3.8	0.0	7.7	1.2	0.0	2.4
Summitville	Wichtman Creek	11,500	46.8	55.6	38.0	14.6	15.2	14.0
Cumbres Pass	Los Pinos Creek	10,000	69.0	46.8	40.2	27.7	18.3	17.1
Santa Marie Reservoir	South Clear Creek	9,700	0.0	0.0	0.0	0.0	0.0	0.0
Culebra					28.2			11.6
Ft. Garland					0.0			0.0

May, 1940 Snow Course Measurements

Snow Course	Location	Elevation	Depth of Snow			Water Content		
			Aug.	1939	1940	Aug.	1939	1940
Wolf Creek Pass	South Fork	10,000	48.5	40.5	23.2	22.8	18.3	9.8
Upper Rio Grande			0.0	0.0	0.0	0.0	0.0	0.0
Silver Lakes			0.0	0.0	0.0	0.0	0.0	0.0
River Springs			1.5	0.0	0.0	0.0	0.0	0.0
Veta Pass.				0.0			0.0	
Ute Ridge			0.0	0.0	0.0	0.0	0.0	0.0
Summitville			43.0	47.8	38.1	16.0	16.7	15.4
Cumbras Pass			29.3	13.1	14.9	17.1	5.6	7.6
Culebra			0.0	0.0	0.0	0.0	0.0	0.0
Ft. Garland					0.0			0.0

CLIMATOLOGICAL DATA 1940

TEMPERATURE

		Alamosa	Garnett	Manassa	Del Norte
Jan.	High	61.	49.	45.	42.
	Low	-39.	-34.	-30	-15.
	Mean	12.8	21.8	13.	17.6
Feb.	High	72.	60.	60	55.
	Low	-23	-31.	-12	-9
	Mean	20.2	19.3	24.	22
Mar.	High	68.	76.	68.	67.
	Low	3	11.	2.	7.
	Mean	36.8	38.6	35.8	37.4
Apr.	High	75.	78.	72.	71.
	Low	15.	11	11.	17.
	Mean	42.9	44.6	43.	43.7
May	High	80.	79.	91.	30.
	Low	21.	20.	21.	25.
	Mean	52.8	40.	53.1	53.2
June	High	86.	90.	88.	88.
	Low	30.	29.	30.	31.
	Mean	59,9	60.3	60.6	61.2
July	High	90.	92.	91.	91.
	Low	40.	40.	39.	42.
	Mean	65.	64.8	64.4	65.5
Aug.	High	87.	89.	89.	87.
	Low	33.	32.	35.	35.
	Mean	62.2	62.5	62.2	63.3
Sep.	High	83.	85.	84.	84
	Low	31.	29.	32.	36
	Mean	56.3	57.2	56.8	66.2
Oct.	High	No.	76.	No	75.
	Low	Report	14.	Report	15.
	Mean		45.		45.

Nov

CLIMATOLOGICAL DATA

PRECIPITATION

	Alamosa	Garnett	Manassa	Del Norte
January	0.50	0.70	0.84	0.41
February	0;28	0.55	0.29	0.63
March	0.05	T	T	0.08
April	0.12	0.38	0.46	0.52
May	1.26	0.99	1.45	1.55
June	0.16	0.30	T	0.35
July	1.28	1.14	0.28	0.49
August	1.21	0.36	0.51	2.03
September	0.91	0.56	1.28	1.03
October	No Report	0.16	No Report	1.10