

ALVEY WASH ALLOTMENT *(Cannon)*
MANAGEMENT
PLAN

Escalante River Resource Area
and Planning Unit.
Kanab District
Utah

Plan Written:
April 1, 1969
By: G.W. Lamb

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**ALVEY WASH
ALLOTMENT MANAGEMENT PLAN**

I. GENERAL INFORMATION

A. Description

The Alvey Wash Allotment is located in the northwest portion of the Escalante River Resource area in the Kanab District and comprises a small section of the National Forest land in the southwest portion of the Escalante Ranger District. See appendix I for detailed boundary description and appendix II for allotment map.

The elevation varies from 9,196 feet on Canaan Mountain to 6,000 feet in Alvey Wash.

Precipitation records are not available for the area, however, the estimated annual precipitation varies from 20 inches on the higher elevations to 12 inches on the lower elevations.

The Alvey Wash Allotment has a total of 59,370 acres with the following land status:

Public Domain	National Forest	State	Private	Total
47,195	7,268	3,409	1,498	59,370

B. Resource Data

1. Vegetative Types - The major vegetative types on the B.L.M. and Forest Service lands are broken down as follows:

Vegetative Types	Acreage				Total Acres
	B.L.M.	State	Private	Forest Service	
Grassland (Seeded)	2,279			122	2,401
Sagebrush	2,602	40	369	432	3,443
Mountain Shrub	2,971		883	2,566	6,420
Conifer				1,008	1,008
Pinyon-Juniper	8,577	707	78	1,097	10,459
Unsuitable Range	30,766	2,662	168	2,043	35,639
TOTAL	47,195	3,409	1,498	7,268	59,370

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2. Soils - The soils are sedimentary deriving from the surrounding sandstone and shale formations. The soils found in the bottom lands are deep and well developed as compared to the poorly developed and shallow soils found on the side hills and ridges. However, the larger ridge tops that are covered with Pinyon-Juniper have relatively well developed soils that are capable of producing good stands of grass. The well developed soils range from sandy to sandy-loams with some sandy-clay-loams in the higher elevations.
3. Erosion Conditions - Extensive erosion patterns are evident throughout both the Public Domain and National Forest lands. The allotment makes up the largest portion of the drainage for Alvey Wash which during heavy flood season, (July, August and September), carries vase quantities of silt to the Escalante River and on into Lake Powell. Accelerated erosion conditions are evident through the cutting of deep channels and dissection of the channel meanders.
4. Grazing Capacity - The present carrying capacity for the Public Domain portion of the Alvey Wash Allotment is 1,051 AUM's and 29 AUM's for the National Forest lands.

C. Existing Projects

1. The existing projects on the allotment are as follows:

B.L.M. PROJECTS

Project Number	Project Name	Date Completed	Quantity And Unit	Condition	Maintenance Responsibility
37	Alvey Wash Reseeding	8/31/63	915 AC.	good	B.L.M.
46	Alvey Wash Protection Fence	10/15/63	2 Mi.	good	Co-operator
52	Alvey Wash Detention Dam	5/28/64	9,540 Cu. yds.	good	B.L.M.
63	Lower Cherry Flats Reservoir	10/02/64	140 Cu. yds.	good	B.L.M.
64	Lower Trap Canyon Reservoir	9/03/64	400 Cu. yds.	good	B.L.M.
82	Camp Flats Reseeding	11/05/65	1,300 AC.	good	B.L.M.
83	Alvey Wash Detention Dam	11/05/65	7,265 Cu. yds.	good	B.L.M.
85	Alvey Wash Protection Fence # 21	8/13/65	1.6 Mi.	good	Co-operator
88	Camp Flats Reservoir	11/05/65	3,625 Cu. yds.	good	B.L.M.

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L.M. Projects Continued)

124	Alvey Wash Fence	12/19/66	1.8 Mi.	good	Co-operator
169	Alvey Wash Well	10/25/68	1 Ea.	good	Co-operator
191	Alvey Wash Reseeding Cattleguard	8/06/67	1 Ea.	good	Co-operator
192	Camp Flats Reseeding Reservoir	8/06/67	1 Ea.	good	Co-operator

Forest Service Projects

Project Name	Date Completed	Quantity And Unit	Condition	Maintenance Responsibility
Canaan Mt. - Upper Valley Fence	1965	5 Mi.	fair	Permittees
Seep Hollow Fence	1955	1 Mi.	fair	Permittees

D. Grazing Qualifications

1. The allotment having a one month base property requirement is used by three individual operators, which has total base property qualifications on B.L.M. administered range of 1,726 and 147 on Forest Service administered range, broken down as follows:

B.L.M. Qualifications

Name	Base Property Qualifications AUM's	Active AUM's	Suspended Non-Use AUM's
J. C. Spencer	399	242	157
Beryl Shurtz	362	221	141
E. R. Shurtz	965	588	377

Forest Service Qualifications

<u>Name</u>	<u>Number of Cattle</u>	<u>Season of Use</u>	<u>AUM's</u>
Beryl Shurtz	12	6/16 to 9/30	* 42
E.R. Shurtz	30	6/16 to 9/30	* 105

* These AUM's are as of January 1, 1969

E. Coordination

1. Major Problems - Erosion is one of the major problems confronting this plan. However, reseeding to stabilize the soil and livestock management are the remedies used to solve this problem. Other problems presently confronted are the constant drifting of cattle from the Forest to the Public Domain and visa versa, plus the need to establish a systematic grazing system to improve and/or maintain livestock forage and establish a season of use whereby base property requirements can be met.
2. B.L.M. - Forest Service Cooperation - Since two of the three operators licenses to graze in Alvey Wash are also licensed to graze on the Forest's Canaan Allotment, which joins the Public Domain on the southwest of the Alvey Wash Allotment, the Bureau of Land Management and the Forest Service have cooperated in joining the two allotments to form the Alvey Wash Allotment to be administered by the B.L.M. Details concerning development and administration as agreed to by the B.L.M. and the Forest Service are attached to and made a part of this allotment management plan. See appendix III.

II. OBJECTIVES

A. General Objectives

1. To improve and/or maintain the quality and quantity of forage for livestock and wildlife, and to develop suitable cover for soil protection.
2. Enhance on-site and off-site watershed values by reducing sediment runoff, flood damage and siltation, regulate stream flow, and replenish underground water supplies.

B. Specific Objectives

1. Livestock

- a. Provide additional forage to meet the 1,726 AUM's of Class I demand.
- b. Adjust grazing season to allow the operator to meet base property requirements that will coincide with livestock pastures.

2. Watershed

- a. Reduce erosion and runoff by increasing grass composition from 30 to 40 percent on 3,298 acres.
- b. Improve the watershed by dividing the allotment into three pastures to protect grass and browse species from continued early spring grazing, provide seed trampling, and rest one pasture each year for reproduction and regain plant vigor.

III. GRAZING MANAGEMENT SYSTEM

A. General - To meet the objectives of this plan, the following grazing system will be implemented and based on the growth stages of Crested Wheatgrass (*Agropyron cristatum*) which is the key management species.

B. Key Management Species - The average phenological development dates for Crested Wheatgrass (*Agropyron cristatum*) within the allotment are as follows:

Species	Start Growth	Flowering	Peak Of Flowering	Seed Ripe	Seed Disseminate	Re-growth
Agcr.	4/5	5/15	6/1	7/1	7/25	8/5

C. Grazing System - The grazing system will consist of a three pasture rest-rotation system. The pastures will be known as: Canaan, Little Valley and Camp Flats, and will be used as follows:

1. Rotation System

Pasture	First Year	Second Year	Third Year	Fourth Year
Canaan	Graze (G)	R. S.	R. R.	G.
Camp Flats	Rest until seed ripens (R.S.)	R. R.	G.	R. S.
Little Valley	Rest for reproduction (R.R.)	G.	R. S.	R. R.

a. The grazing treatments for the rest-rotation system are:

1. G. ^A Graze in the spring beginning May 16 until seed is ripe in the next scheduled pasture.
2. R.S. ^B Rest until seed ripens or rest until seed is ready to disseminate, approximately July 25.
3. R.R. ^C Rest for reproduction or rest during the entire grazing season.

Treatment Formula

Treatment	5/16	7/25	9/30
G.	G R A Z E		R E S T
R.S.	R E S T		G R A Z E
R.R.	R E S T		

- b. To allow rest on one pasture each year, heavier than normal utilization may be made of the forage species within the pastures being used during the grazing season. Utilization percentages may be set if future studies indicate a need to protect the watershed and livestock forage. However, Utilization will not determine rotation dates. Rotation dates will be determined by phenological (growth) stages of the key species as outlined in the rotation system. Since there is variation in growth stages from one year to the next, some years may require rotation dates to be set ahead or behind the normal dates; however, since Crested Wheatgrass seed normally ripens around July 1 and disseminates around July 25 within the allotment, the rotation date from the spring grazed pasture to the summer grazed pasture will be July 25. July 25 will be the normal rotation date and cattle will be rotated on this date unless otherwise notified. This notification will be made by mail prior to July 25 of the grazing season.
- c. Gates may be open 7 days prior to July 25 or the designated rotation date, to allow normal drift from the spring grazed pasture to the summer grazed pasture; however, all cattle must be removed from the spring grazed pasture and placed on the summer grazed pasture 7 days after the rotation date.
- d. When the Canaan Pasture is grazed in the spring, due to the elevation difference from the seeding in Little Valley to the National Forest and Mossy Dell seeded areas, cattle will be confined to the seeded area in the pasture below the fence in Mossy Dell. When the higher range is ready for grazing, meaning when the snow has melted and cattle can graze without hardship or trample the range due to a soft muddy condition, the gate will be open and cattle allowed to drift to the higher area. If the cattle will not drift or if the lower seeded area has been heavily used, cattle will then be moved to the higher area and the gate closed.

2. Season of Use

- a. The grazing season will be from May 15 to September 30 of each year using the three pastures as indicated in the rotation system.
- b. Due to variance in the users operations and base property requirements, the following will set forth the livestock numbers and season of use for each pasture:

Name	Number of Cattle	Season of Use	AUM's
J. C. Spencer	114	6/16 to 9/30	399
Beryl Shurtz	90	5/16 to 9/30	405
E.R. Shurtz	214	5/16 to 9/30	964
	29	6/16 to 9/30	102

3. Salting

- a. Salting areas will be located between watering holes and in the corners of the pastures to enhance grazing distribution and utilization. Salting areas will be located in the areas designated on the attached map.

D. Interium Grazing System

- 1. General - During the reseeding treatment, these areas will be excluded from grazing until the seedlings are established. To provide range protection and allow grazing that will not cause extreme hardship to the operators, the seedlings will be staggered, with the Canaan pasture seedling first and the Little Valley and Camp Flats pastures seedings started together after the Canaan seeding is established.
- 2. Grazing Use - To use the range during the seeding period, the allotment will be divided into 5 pastures using the existing fences. The pastures will be temporarily known as pasture 1, 2, 3, 4 and 5 as shown on the attached map (appendix IV) and used as follows:

Pasture	First Year	Second Year	Third Year	Fourth Year	Fifth Year
1	G.F.	G.S.	R.	R.	Start Rotation System
2	G.F.	G.S.	G.S.	G.F.	
3	G.S.	G.F.	R.	R.	
4	G.S.	G.F.	G.S.	G.F.	
5	R.	R.	G.F.	G.S.	

a. The grazing treatment for the temporary pastures are:

1. G.S. Graze in the spring starting the 16th of May and ending July 25th.
2. G.F. Graze in the summer and fall starting the 26th of July and ending the 30th of September.
3. R. Rest during grazing season to allow the seed to become established.

3. Livestock Numbers - Since the newly reseeded areas will be excluded from grazing during their establishment, the present 1,051 AUM's will be used as the carrying capacity for the two years Canaan pasture will not be used. The present 147 AUM's on the national forest will be suspended until the Canaan pasture seeding is ready for use. After the Canaan pasture seeding is ready for use and the seeding in Little Valley and Camp Flats pastures are being treated, 400 additional AUM's will be given to the operators. The 400 additional AUM's are the difference between the 300 AUM's that will be excluded during the seeding of Camp Flats and Little Valley pastures and the 700 AUM's developed through the Canaan pasture seeding. When all three pastures have been seeded and are available for use, the total 1,870 AUM's will be used with final carrying capacity determined by range studies.

IV. RANGE STUDIES

The following range studies will be taken on each of the three pastures to determine the effectiveness of the rest-rotation system.

1. Trend - A minimum of 2 trend study plots will be placed in each key area in accordance with B.L.M. Manual 4412.22 c.
 - a. Key areas in the Canaan pasture, used for establishing study plots were determined through an elevation and major forage species stratification. The elevation variance from Little Valley to Mossy Dell is 1,000 feet and from Mossy Dell to Canaan Creek on the national forest is 300 feet. With these elevation differences located within the seeded areas, three study plot areas have been located as shown on the attached map.
 - b. Key areas in the Camp Flats pasture were determined through an elevation, major forage and terrain stratification. The elevation variance of 500 feet from Camp Flats and Bull Run to the Upper Alvey Wash seeding requires two study plots. Even though Bull Run seeding is the same elevation as Camp Flats seeding, Bull Run is an isolated seeding located approximately 1/2 mile from Camp Flats seeding and 3/4 mile from Upper Alvey Wash seeding, which requires a study plot, giving a total of three within the pasture.
 - c. Key areas within the Little Valley pasture were located by terrain and erosion hazard areas. The seeding in Lower Little Valley does not present an extreme erosion hazard and requires one study plot. The Lower Alvey Wash seeding is a narrow canyon bottom with eroding bank and requires one study plot, giving a total of two within the pasture.
2. Utilization - B.L.M. approved utilization methods will be made directly after use has been made on each pasture used during the grazing season.
3. Actual Use - Since actual use records are vital for determining future management, it will be necessary that the operator supply accurate actual use records at the end of each grazing season or around the first of October.
4. Precipitation - Precipitation will be recorded from rain gauges placed in and directly around the allotment for allotment analysis.

B. Studies Schedule

Range studies will be made in accordance with the following schedule:

Type Of Study	First Year	Second Year	Third Year	Fourth Year	Fifth Year	Sixth Year
Trend *	X	X	X	X	X	X
Utilization	X	X	X	X	X	X
Actual Use	X	X	X	X	X	X
Precipitation	X	X	X	X	X	X

* The pasture being rested during the entire grazing season will be read each year. The other two pastures being used will not be read in the grazing year.

V. PROPOSED IMPROVEMENTS

A. General - To implement the grazing system and meet the objectives of this plan, the following improvements are needed:

1. Water Development

Type	Location	Quantity And Unit	Priority
Alvey Wash Well Pipeline	see map	4,000 ft.	3
Horse Spring Pipeline	see map	9 mi.	4
Camp Flats Well	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 8, T. 37 S., R. 3 E.	1 ea.	5
Rock Springs	NE $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6, T. 37 S., R. 3 E.	1 ea.	6

2. Water and Erosion Control Structures

Type	Location	Quantity And Unit	Priority
Reservoir	SW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 11, T. 37 S., R. 2 E.		
Reservoir	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 11, T. 37 S., R. 2 E.		
Reservoir	SW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 11, T. 37 S., R. 2 E.		
Reservoir	SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12, T. 37 S., R. 2 E.		
Reservoir	SE $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12, T. 37 S., R. 2 E.		
Reservoir	SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 12, T. 37 S., R. 2 E.		
Reservoir	NW $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 36, T. 36 S., R. 2 E.		
Reservoir	NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 25, T. 36 S., R. 2 E.		
Reservoir	NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 34, T. 36 S., R. 2 E.		
Reservoir	SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6, T. 37 S., R. 3 E.		
Reservoir	NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 7, T. 37 S., R. 3 E.		
Reservoir	SE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 29, T. 36 S., R. 3 E.		

The construction of these reservoirs are predicated on the need as outlined in a Watershed Plan, but are documented in this plan for reference.

3. Fencing

Type	Location	Quantity And Unit	Priority
Barbed	Canaan Pasture (see map)	1/4 Mile	1
Barbed	Camp Flats Pasture (see map)	3/4 Mile	9
Barbed	Canaan Pasture (see map)	1 1/4 Mile	10

4. Seeding

Type	Location	Quantity And Unit	Priority
Grass	Canaan Pasture (see map)	2,221 Ac.	2
Grass	Camp Flats Pasture (see map)	794 Ac.	8
Grass	Little Valley Pasture (see map)	448 Ac.	7

a. Potential

Pasture	Present Seeded Acres	Present Carrying Capacity (AUM's)	Proposed Seeded Acres	Estimated Cost	Potential AUM's
Canaan					
National Forest	0	29	390	\$ 2,000.00	147
Public Domain	0	300	1,831	\$14,000.00	597
Camp Flats					
Public Domain	1,300	470	794	\$ 5,000.00	670
Little Valley					
Public Domain	915	336	448	\$ 3,000.00	456

VI. COMPLIANCE AND SUPERVISION

A. The Range User Will:

1. Move cattle from pasture to pasture in accordance with the grazing schedule or when notified.
2. Maintain all fences (except portion designated for maintenance by adjoining operators), water developments (springs, pipelines and wells), and other livestock facilitating projects (corrals and etc.) within the allotment.
3. Provide actual use records at the end of the grazing season or around the first of October.
4. Meet with the B.L.M. after the grazing season to discuss problems that may have developed.
5. Provide the power for pumping wells.

B. The Bureau Of Land Management Will:

1. Make periodic inspections to insure compliance with provisions of this plan.
2. Meet at least once annually with the range users to discuss and work out problems that may have developed.
3. Invite the operator to accompany the B.L.M. on at least one annual inspection of the area.
4. Construct and maintain all reservoirs; furnish materials and develop all springs, pipelines and wells; furnish materials and construct all fences.

VII. MODIFICATION

This allotment management plan will remain in effect until such time as the District Manager determines a modification or change is required to meet the objectives outlined for the allotment. Modifications will be based upon periodic reviews and evaluations. Continuing studies of trend, utilization, actual use and any other studies deemed necessary will provide the basic data for evaluation and will dictate the needed modifications.

Proposed modifications will be co-ordinated with the operator for his comments and recommendations. Approved modifications will be indicated by initialing and dating of revised pages.

VIII. ANNUAL BILLING

A. Annual Licenses

- 1. Annual licenses will be issued without an application for the normal grazing operation.

B. Normal Grazing Operation

- 1. The normal grazing operation will not exist until seeding has been completed in all pastures and is available for use (available for use means: When the grass is established to withstand grazing pressures or approximately two (2) growing seasons after seeding). When the normal grazing operation is ready to be started, annual licenses will be billed as follows:

Name	Number of Livestock	Season of Use	Percent of Total AUM's	Percent Federal Range	AUM's
J. C. Spencer	114	6/16 to 9/30	21.3	100	399
Beryl Shurtz	90	5/16 to 9/30	21.7	100	405
E. R. Shurtz	214 29	5/16 to 9/30 6/16 to 9/30	57.0	100	964 102

- a. When grazing in the Canaan pasture (two out of three years), 147 of the total AUM's used during that grazing season will come from the national forest land. These AUM's will be billed to each operator for the grazing fees set by the Forest Service, and will be billed according to the operators percent of total AUM's in the allotment as shown below:

Name	Percent of Total AUM's	AUM's That Will Be Billed in Accordance With Forest Service Grazing Fees
J. C. Spencer	21.3	31
Beryl Shurtz	21.7	32
E. R. Shurtz	57.0	84

- b. If more than the 147 AUM's are found to exist on the national forest lands, they will be given to Beryl and E. R. Shurtz in proportion to their per cent of the total AUM's and billed in the same manner as shown on the preceding page.

C. Interium Grazing Use Billing

- 1. Annual licenses will be billed starting the grazing season of 1970 (16 May, 1970) and continue through the Interium Grazing period (30 September, 1973) as shown below:

Name	Number of Livestock	Season of Use	Per Cent Federal Range	Active AUM's	Suspended AUM's
J. C. Spencer	69	6/16 to 9/30	100	242	158
Beryl Shurtz	49	5/16 to 9/30	100	221	184
E. R. Shurtz	108	5/16 to 9/30	100	486	478
	29	6/16 to 9/30		102	

- b. Second two years of the interium grazing period, or after the Canaan pasture seeding is ready for use and the Little Valley and Camp Flats pastures are being excluded from use for seeding.

Name	Number of Livestock	Season of Use	Per Cent Federal Range	Active AUM's	Suspended AUM's
J. C. Spencer	93	5/16 to 9/30 6/16 to 9/30	100	326	74
Beryl Shurtz	68	5/16 to 9/30	100	306	99
E. R. Shurtz	158	5/16 to 9/30	100	711	253
	29	6/16 to 9/30		102	

D. Annual Applications

1. Annual applications will be required if non-use for all or part of the privileges or change in season of use is desired. The AUM's involved in the non-use will be allowed according to the B.L.M. and Forest Service percentages as shown on the preceding page.

Exchange of use agreements will be made for periods of the state lease or tenorship of private land and will remain in effect until the grazing system is modified or terminated.

IX. AGREEMENT

We, the undersigned, users of the public lands within the Alvey Wash Allotment, hereby agree and accept this allotment management plan. We understand that the grazing privileges authorized herein are subject to all provisions of the grazing regulations (43 CFR 4110 and 4120).

We further understand and agree that this allotment management plan, when approved by the District Manager, cancels and supersedes all previous agreements pertaining to this allotment.

J. C. Spencer
J. C. Spencer

6/17/69
Date

Beryl Shurtz
Beryl Shurtz

6/30/69
Date

E. R. Shurtz
E. R. Shurtz

6/30/69
Date

APPROVED

[Signature]
District Manager

6-30-69
Date

Appendix I

ALLOTMENT DESCRIPTION

Beginning at the SE corner of Sec. 12, T. 37 S., R. 1 E., thence West $1\frac{1}{2}$ miles, thence South $\frac{1}{4}$ mile, thence West $\frac{1}{4}$ miles, thence South $\frac{3}{4}$ mile to a point approximately the SE corner of the $SW\frac{1}{4}$ $SW\frac{1}{4}$, Sec. 14, T. 37 S., R. 1 E., thence Southeasterly following the divide between the Wahweap drainage and the Right Hand Collets Canyon to a point approximating the $N\frac{1}{4}$ corner, Sec. 36, T. 37 S., R. 1 E., thence Easterly and Northerly crossing the Right Hand Collets Canyon at a point approximating the $S\frac{1}{4}$ corner Sec. 30, T. 37 S., R. 2 E., and continuing in a Northeasterly direction to a point approximating the NE corner of Sec. 30, T. 37 S., R. 2 E., thence Northeasterly on the divide between Collets Canyon and Alvey Wash to a point approximately $1/16$ mile South and $\frac{1}{4}$ mile East of the SW corner of Sec. 18, T. 37 S., R. 3 E., thence Southeasterly to the rim of Sarah Ann Canyon to a point approximately $1/8$ mile north and $\frac{1}{4}$ mile east of the SW corner of Sec. 20, T. 37 S., R. 3 E., thence following the north rim of Sarah Ann Canyon which joins the Right Hand Collets to a point approximating $\frac{1}{2}$ mile east of the SE corner of Sec. 25, T. 37 S., R. 3 E., thence following the Upper rim of a tributary of Carcass Canyon Northwesterly approximately 5 miles to a point approximating $\frac{1}{4}$ mile south of the $N\frac{1}{4}$ corner of Sec. 17, T. 37 S., R. 3 E., thence continuing Southeasterly along the upper rim of the canyon to a point approximating $\frac{1}{4}$ mile South and $1/8$ mile East of the NW corner of Sec. 25, T. 37 S., R. 3 E., thence Northwesterly along the upper rim of Carcass Canyon to a point approximately $3/8$ mile south of the NW corner of Sec. 9, T. 37 S., R. 3 E., thence Northeasterly following the upper rims of Carcass Canyon and tributaries to a point on the upper rim of the Straight Cliffs which approximates the $E\frac{1}{4}$ corner of Sec. 33, T. 36 S., R. 3 E., thence Northerly along the top of the Straight Cliffs to a point approximately $\frac{1}{4}$ mile South of the $N\frac{1}{4}$ corner of Sec. 31, T. 35 S., R. 3 E., thence West-erly on a point near the center of Section 36, T. 35 S., R. 2 E., thence West-erly following the lower rims on the North side of Coal Beds Canyon to the forest boundary which is the SW corner of Sec. 6, T. 36 S., R. 2 E., thence South 7 miles along the national forest boundary to place of beginning. Containing approximately 59,370 acres.

This allotment description, even though including the Shurtz property, does not in any way effect the use or have any connection with the private land.

This agreement also allows continued use of the spring in the Blues at the head of the Horse Benches near the Section corner between 14, 15, 22 and 23, T. 37 S., R. 1 E.