

**UNITED STATES DEPARTMENT OF AGRICULTURE  
NATURAL RESOURCES CONSERVATION SERVICE**

**ECOLOGICAL SITE DESCRIPTION**

**ECOLOGICAL SITE CHARACTERISTICS**

**Site Type:** Rangeland

**Site ID:** R048BY007NM

**Site Name:** Mountain Valley

**Precipitation or Climate Zone:** 16 to 30 inches

**Phase:** \_\_\_\_\_

## **PHYSIOGRAPHIC FEATURES**

### **Narrative:**

This site occurs on broad valleys, overflow areas adjacent to intermittent streams and depressional areas subject to run-in of moisture from adjacent sites. However, this site is often highly dissected, and run-in is non-effective. Slopes range from 0 to 5 percent but averages less than 3 percent. Elevation ranges from 7,400 to 8,800 feet above sea level.

### **Land Form:**

1. Mountain valley

2.

3.

### **Aspect:**

1. N/A

2.

3.

|                                   |                |                |
|-----------------------------------|----------------|----------------|
|                                   | <b>Minimum</b> | <b>Maximum</b> |
| <b>Elevation (feet)</b>           | 7,400          | 8,800          |
| <b>Slope (percent)</b>            | 0              | 5              |
| <b>Water Table Depth (inches)</b> | N/A            | N/A            |
|                                   | <b>Minimum</b> | <b>Maximum</b> |
| <b>Flooding:</b>                  |                |                |
| <b>Frequency</b>                  | N/A            | N/A            |
| <b>Duration</b>                   | N/A            | N/A            |
|                                   | <b>Minimum</b> | <b>Maximum</b> |
| <b>Ponding:</b>                   |                |                |
| <b>Depth (inches)</b>             | N/A            | N/A            |
| <b>Frequency</b>                  | N/A            | N/A            |
| <b>Duration</b>                   | N/A            | N/A            |

### **Runoff Class:**

Negligible to medium.

## CLIMATIC FEATURES

### **Narrative:**

The climate is characterized by cold, wet winters in which more than 50 percent of the total annual precipitation is received during the winter. The balance of the precipitation is received in the summer months, some of it in the form of high intensity thunderstorms. Average annual precipitation is about 22 inches but ranges from 16 to 30 inches and yearly fluctuations are common.

The average frost-free period is about 80 days but ranges from 60 days at the highest elevations to 110 days at the lowest elevations; however, the period lengths vary. The average last killing frost in the spring occurs about June 10<sup>th</sup>. The average first killing frost in the fall occurs about September 20<sup>th</sup>. Average annual air temperature is 22.6 degrees F in January and 64.5 degrees F in July with extremes ranging from -40 degrees F to 95 degrees F.

Climate data was obtained from <http://www.wrcc.sage.dri.edu/summary/climsmnm.html> web site using 50% probability for freeze-free and frost-free seasons using 28.5 degrees F and 32.5 degrees F respectively.

|  | <b>Minimum</b> | <b>Maximum</b> |
|--|----------------|----------------|
| <b>Frost-free period (days):</b>           | 67             | 93             |
| <b>Freeze-free period (days):</b>          | 95             | 115            |
| <b>Mean annual precipitation (inches):</b> | 16             | 30             |

### **Monthly moisture (inches) and temperature (°F) distribution:**

|           | Precip. Min. | Precip. Max. | Temp. Min. | Temp. Max. |
|-----------|--------------|--------------|------------|------------|
| January   | 0.67         | 1.91         | 2.1        | 39.7       |
| February  | 0.61         | 1.70         | 7.0        | 44.1       |
| March     | 1.01         | 1.85         | 14.5       | 50.5       |
| April     | 0.97         | 1.75         | 21.8       | 60.1       |
| May       | 0.99         | 1.79         | 28.7       | 69.9       |
| June      | 0.83         | 1.29         | 35.0       | 80.6       |
| July      | 1.81         | 2.90         | 40.8       | 85.2       |
| August    | 2.34         | 3.18         | 40.2       | 82.1       |
| September | 1.25         | 1.98         | 32.9       | 76.1       |
| October   | 0.96         | 1.72         | 22.5       | 65.7       |
| November  | 0.74         | 1.37         | 13.5       | 51.3       |
| December  | 0.70         | 1.79         | 4.8        | 41.9       |

**Climate Stations:**

|            |               |          | Period                         |   |
|------------|---------------|----------|--------------------------------|---|
| Station ID | <u>291664</u> | Location | <u>Chama, New Mexico</u>       | From: <u>01/01/14</u> To: <u>12/31/01</u> |
| Station ID | <u>292700</u> | Location | <u>Eagle Nest, New Mexico</u>  | From: <u>11/01/37</u> To: <u>12/31/01</u> |
| Station ID | <u>292837</u> | Location | <u>El Vado Dam, New Mexico</u> | From: <u>09/01/23</u> To: <u>12/31/01</u> |
| Station ID | <u>297323</u> | Location | <u>Red River, New Mexico</u>   | From: <u>01/01/15</u> To: <u>12/31/01</u> |

**INFLUENCING WATER FEATURES**

**Narrative:**

This site may be influenced by water from a stream.

**Wetland description:**

| <b>System</b> | <b>Subsystem</b> | <b>Class</b> |
|---------------|------------------|--------------|
| N/A           |                  |              |

**If Riverine Wetland System enter Rosgen Stream Type:**

N/A

## REPRESENTATIVE SOIL FEATURES

### **Narrative:**

The soils are deep and well drained. Surface textures range from very fine sandy loams to silty clay loams and clay loams. Subsoils range from loams to clays. Permeability is moderately slow to slow. Available water-holding capacity is high. Runoff is slow to medium

**Parent Material Kind:** Alluvium

**Parent Material Origin:** Mixed

### **Surface Texture:**

1. Very fine sandy loam

2. Silty clay loam

3. Clay loam

### **Surface Texture Modifier:**

1. N/A

2.

**Subsurface Texture Group:** Loamy

**Surface Fragments <=3" (% Cover):** N/A

**Surface Fragments >3" (% Cover):** N/A

**Subsurface Fragments <=3" (%Volume):** 60+

**Subsurface Fragments >=3" (%Volume):** 15 to 60

|  | <b>Minimum</b> | <b>Maximum</b>  |
|--|----------------|-----------------|
| <b>Drainage Class:</b>                         | Well           | Well            |
| <b>Permeability Class:</b>                     | Impermeable    | Moderately slow |
| <b>Depth (inches):</b>                         | 60             | >72             |
| <b>Electrical Conductivity (mmhos/cm):</b>     | 0.00           | 2.00            |
| <b>Sodium Absorption Ratio:</b>                | 0.00           | 5.00            |
| <b>Soil Reaction (1:1 Water):</b>              | 6.1            | 8.4             |
| <b>Soil Reaction (0.1M CaCl2):</b>             | N/A            | N/A             |
| <b>Available Water Capacity (inches):</b>      | 9              | 12              |
| <b>Calcium Carbonate Equivalent (percent):</b> | N/A            | N/A             |

## **PLANT COMMUNITIES**

### **Ecological Dynamics of the Site:**

### **Plant Communities and Transitional Pathways (diagram)**

**Plant Community Name:** Historic Climax Plant Community

**Plant Community Sequence Number:** 1 **Narrative Label:** HCPC

**Plant Community Narrative:** Historic Climax Plant Community

This is predominantly a grassland site with only scattered shrubs and trees present on the site. Ponderosa pine may be scattered about the site in small amounts. Forbs are usually detectable, especially when in bloom.

Because good soil-moisture relationships result from periodic deep wetting, this site may be considerably more productive and begins to green-up earlier than adjacent sites.

Canopy Cover:

|   |     |
|---|-----|
| Trees, shrubs and half-shrubs (average)         | 5 % |
| Ground Cover (Average Percent of Surface Area). |     |
| Grasses & Forbs                                 | 37  |
| Bare ground                                     | 22  |
| Surface gravel                                  | 5   |
| Surface cobble and stone                        | 0   |
| Litter (percent)                                | 35  |
| Litter (average depth in cm.)                   | 2   |

**Plant Community Annual Production (by plant type):** \_\_\_\_\_

| Plant Type         | Annual Production (lbs/ac) |       |       |
|--------------------|----------------------------|-------|-------|
|                    | Low                        | RV    | High  |
| Grass/Grasslike    | 850                        | 1,275 | 1,700 |
| Forb               | 50                         | 75    | 100   |
| Tree/Shrub/Vine    | 50                         | 75    | 100   |
| Lichen             |                            |       |       |
| Moss               |                            |       |       |
| Microbiotic Crusts |                            |       |       |
| <b>Total</b>       | 1,000                      | 1,500 | 2,000 |

**Plant Community Composition and Group Annual Production:**

**Plant Type - Grass/Grasslike**

| Group Number | Scientific Plant Symbol          | Common Name   | Species Annual Production | Group Annual Production |
|--------------|----------------------------------|---|---------------------------|-------------------------|
| 1            | PASM<br>MUWR                     | Western Wheatgrass<br>Spike Muhly                                       | 375 – 525                 | 375 – 525               |
| 2            | POFE<br>KOMA                     | Muttongrass<br>Prairie Junegrass  | 45 – 150                  | 45 – 150                |
| 3            | FEOV                             | Sheep Fescue  | 45 – 105                  | 45 – 105                |
| 4            | CAREX                            | Sedge spp.  | 45 – 105                  | 45 – 105                |
| 5            | BOGR2<br>PLJA                    | Blue Grama<br>Galleta   | 45 – 105                  | 45 – 105                |
| 6            | FEAR2<br>FETH                    | Arizona Fescue<br>Thurber Fescue  | 45 – 105                  | 45 – 105                |
| 7            | ELEL5                            | Bottlebrush Squirreltail  | 45 – 75                   | 45 – 75                 |
| 8            | SPAI                             | Alkali Sacaton  | 0 – 105                   | 0 – 105                 |
| 9            | POPR<br>BRIN2<br>DECA18<br>2GRAM | Kentucky Bluegrass<br>Smooth Brome<br>Tufted Hairgrass<br>Other Grasses | 45 – 150                  | 45 – 150                |

**Plant Type - Forb**

| Group Number | Scientific Plant Symbol                                    | Common Name   | Species Annual Production | Group Annual Production |
|--------------|--|---|---------------------------|-------------------------|
| 10           | ACMI2<br>ERCI6<br>DECO3<br>VICIA<br>RATIB<br>IRMI<br>2FORB | Western Yarrow (Common)<br>Redstem Filaree<br>Larkspur<br>Vetch spp.<br>Coneflower spp.<br>Iris spp.<br>Other Forbs | 45 – 105                  | 45 – 105                |

**Plant Type – Tree/Shrub/Vine**

| Group Number | Scientific Plant Symbol                  | Common Name   | Species Annual Production | Group Annual Production |
|--------------|--|---|---------------------------|-------------------------|
| 11           | DAFI3<br>ARAN7                           | Shrubby Cinquefoil<br>Silverweed Cinquefoil   | 45 – 75                   | 45 – 75                 |
| 12           | RIMO2<br>RHTR<br>KRLA2<br>ARTR2<br>ARDO3 | Currant<br>Skunkbush Sumac<br>Winterfat<br>Mountain Big Sagebrush<br>Green Sagewort | 15 – 75                   | 15 – 75                 |

**Plant Type - Lichen**

| Group Number | Scientific Plant Symbol | Common Name | Species Annual Production | Group Annual Production |
|--------------|-------------------------|-------------|---------------------------|-------------------------|
|              |                         |             |                           |                         |
|              |                         |             |                           |                         |

**Plant Type - Moss**

| Group Number | Scientific Plant Symbol | Common Name | Species Annual Production | Group Annual Production |
|--------------|-------------------------|-------------|---------------------------|-------------------------|
|              |                         |             |                           |                         |
|              |                         |             |                           |                         |

**Plant Type - Microbiotic Crusts**

| Group Number | Scientific Plant Symbol | Common Name | Species Annual Production | Group Annual Production |
|--------------|-------------------------|-------------|---------------------------|-------------------------|
|              |                         |             |                           |                         |
|              |                         |             |                           |                         |

Other species that could appear on this site include: sleepygrass, mat muhly, Canada wildrye, oatgrass spp., needleandthread, thistle, penstemon, pussytoes, snowberry, serviceberry, oak spp., fourwing saltbush and ponderosa pine.

**Plant Growth Curves**

Growth Curve ID 3307NM

Growth Curve Name: HCPC

Growth Curve Description: Grassland with minor components of forbs and shrubs.

| Jan. | Feb. | March | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
|------|------|-------|-------|-----|------|------|------|-------|------|------|------|
| 0    | 0    | 3     | 5     | 5   | 10   | 25   | 30   | 15    | 7    | 0    | 0    |

## **ECOLOGICAL SITE INTERPRETATIONS**

### **Animal Community:**

Habitat for Wildlife:

This site provides habitats which support a resident animal community that is characterized by black-tailed jackrabbit, long-tailed vole, golden-mantled ground squirrel, Gunnison's prairie dog, western bluebird, horned lark, leopard frog, smooth green snake. Breeding violet-green swallows and turkey uses these sites. Mule deer and elk use these sites seasonally.

### **Hydrology Functions:**

The runoff curve numbers are determined by field investigations using hydrologic cover conditions and hydrologic soil groups.

#### **Hydrologic Interpretations**

| <b>Soil Series</b> | <b>Hydrologic Group</b> |
|--------------------|-------------------------|
| Arosa              | C                       |
| Cosey              | B                       |
| Roques             | D                       |

### **Recreational Uses:**

This site in itself is not noted for its beauty, but it is enhanced by the close proximity to a mountain setting. The site is suited to horseback riding and camping.

### **Wood Products:**

Although a few scattered trees may occur on this site, their numbers are few and not capable of a sustained yield of wood products.

**Other Products:**

**Grazing:**

Approximately 95 percent of the vegetation produced on this site are suitable for grazing or browsing by domestic livestock and wildlife. Grazing pressure on this site may be a problem due to the lush vegetation on this site compared with adjacent sites. Water and salt should be distributed away from this site to prevent its constant overuse.

Deterioration of the potential plant community is indicated by a decrease in western wheatgrass, spike muhly, muttongrass, prairie junegrass and Arizona fescue. Species that increase include blue grama, galleta, mat muhly, bottlebrush squirreltail and woody species. A planned grazing system with periodic grazing and rest is best to maintain the natural balance between plant species and to maintain high productivity.

**Other Information:**

**Guide to Suggested Initial Stocking Rate Acres per Animal Unit Month**

| <b>Similarity Index</b> | <b>Ac/AUM</b> |
|-------------------------|---------------|
| 100 - 76                | 1.3 – 1.7     |
| 75 – 51                 | 1.6 – 2.6     |
| 50 – 26                 | 2.5 – 5.2     |
| 25 – 0                  | 5.2+          |

| Plant Part        | Code | Species Preference | Code |
|-------------------|------|--------------------|------|
| Stems             | S    | None Selected      | NS   |
| Leaves            | L    | Preferred          | P    |
| Flowers           | F    | Desirable          | D    |
| Fruits/Seeds      | F/S  | Undesirable        | U    |
| Entire Plant      | EP   | Not Consumed       | NC   |
| Underground Parts | UP   | Emergency          | E    |
|                   |      | Toxic              | T    |

**Plant Preference by Animal Kind:**

**Animal Kind:** Livestock

**Animal Type:** Cattle

| Common Name        | Scientific Name                 | Plant Part | Forage Preferences |   |   |   |   |   |   |   |   |   |   |   |
|--------------------|---------------------------------|------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|
|                    |                                 |            | J                  | F | M | A | M | J | J | A | S | O | N | D |
| Arizona Fescue     | <i>Festuca arizonica</i>        | EP         | D                  | D | D | D | D | D | D | D | D | D | D | D |
| Western Wheatgrass | <i>Pascopyrum smithii</i>       | EP         | D                  | D | D | P | P | P | D | D | D | D | D | D |
| Prairie Junegrass  | <i>Koeleria macrantha</i>       | EP         | D                  | D | D | D | D | D | D | D | D | D | D | D |
| Muttongrass        | <i>Poa fendleriana</i>          | EP         | P                  | P | P | P | P | P | P | P | P | P | P | P |
| Spike Muhly        | <i>Muhlenbergia wrightii</i>    | EP         | D                  | D | D | D | D | D | D | D | D | D | D | D |
| Spike Muhly        | <i>Muhlenbergia wrightii</i>    | EP         | D                  | D | D | D | D | D | D | D | D | D | D | D |
| Tufted Hairgrass   | <i>Deschampsia caespitosa</i>   | EP         | D                  | D | P | P | P | P | P | P | D | D | D | D |
| Kentucky Bluegrass | <i>Poa pratensis</i>            | EP         | P                  | P | P | P | P | P | P | P | P | P | P | P |
| Smooth Brome       | <i>Bromus inermis</i>           | EP         | D                  | D | D | D | D | D | D | D | D | D | D | D |
| Fourwing Saltbush  | <i>Atriplex canescens</i>       | L/S        | P                  | P | P | P | P | D | D | D | D | D | P | P |
| Winterfat          | <i>Krascheninnikovia lanata</i> | L/S        | D                  | D | D | P | P | P | P | P | P | D | D | D |

**Animal Kind:** Livestock

**Animal Type:** Sheep

| Common Name        | Scientific Name                 | Plant Part | Forage Preferences |     |     |     |     |     |     |     |     |     |     |     |
|--------------------|---------------------------------|------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                    |                                 |            | J                  | F   | M   | A   | M   | J   | J   | A   | S   | O   | N   | D   |
| Muttongrass        | <i>Poa fendleriana</i>          | EP         | P                  | P   | P   | P   | P   | P   | P   | P   | P   | P   | P   | P   |
| Prairie Junegrass  | <i>Koeleria macrantha</i>       | EP         | D                  | D   | D   | D   | D   | D   | D   | D   | D   | D   | D   | D   |
| Western Wheatgrass | <i>Pascopyrum smithii</i>       | EP         | U                  | U   | D   | D   | D   | D   | D   | D   | D   | D   | D   | U   |
| Spike Muhly        | <i>Muhlenbergia wrightii</i>    | EP         | D                  | D   | D   | D   | D   | D   | D   | D   | D   | D   | D   | D   |
| Tufted Hairgrass   | <i>Deschampsia caespitosa</i>   | EP         | D                  | D   | P   | P   | P   | P   | P   | P   | D   | D   | D   | D   |
| Kentucky Bluegrass | <i>Poa pratensis</i>            | EP         | D                  | D   | P   | P   | P   | D   | D   | D   | D   | D   | D   | D   |
| Sheep Fescue       | <i>Festuca ovina</i>            | EP         | D                  | D   | D   | D   | D   | D   | D   | D   | D   | D   | D   | D   |
| Smooth Brome       | <i>Bromus inermis</i>           | EP         | D                  | D   | D   | D   | D   | D   | D   | D   | D   | D   | D   | D   |
| Sedge              | <i>Carex spp.</i>               | EP         | U                  | U   | D   | D   | D   | U   | U   | U   | U   | U   | U   | U   |
| Some Forbs         | Various                         | EP         | N/S                | N/S | N/S | N/S | N/S | N/S | N/S | N/S | N/S | N/S | N/S | N/S |
| Fourwing Saltbush  | <i>Atriplex canescens</i>       | L/S        | P                  | P   | P   | P   | P   | D   | D   | D   | D   | D   | P   | P   |
| Winterfat          | <i>Krascheninnikovia lanata</i> | L/S        | P                  | P   | P   | P   | P   | P   | P   | P   | P   | P   | P   | P   |

**Animal Kind:** Wildlife

**Animal Type:** Elk

| Common Name              | Scientific Name  | Plant Part | Forage Preferences |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|------------------|------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|
|                          |                  |            | J                  | F | M | A | M | J | J | A | S | O | N | D |
| Willow                   | Salix spp.       | L/S        | D                  | D | U | U | U | D | D | D | D | D | D | D |
| Wheatgrass spp.          | Pascopyrum spp.  | EP         | D                  | D | D | P | P | P | D | D | D | D | D | D |
| Bromegrass spp.          | Bromus spp.      | EP         | D                  | D | D | D | D | D | D | D | D | D | D | D |
| Fescue spp.              | Festuca spp.     | EP         | D                  | D | D | D | D | D | D | D | D | D | D | D |
| Bottlebrush Squirreltail | Elymus elymoides | EP         | U                  | U | D | D | D | U | U | U | D | D | D | U |
| Sedge                    | Carex spp.       | EP         | D                  | D | D | D | D | D | D | D | D | D | D | D |
| Clover                   | Trifolium spp.   | EP         | P                  | P | P | P | P | P | P | P | P | P | P | P |
| Marigold spp.            | Baileya spp      | EP         | U                  | U | D | D | D | D | D | D | D | D | D | U |
| Dandelion                | Agoseris         | EP         | U                  | U | P | P | P | D | D | D | D | D | D | U |

**Animal Kind:** Wildlife

**Animal Type:** Deer

| Common Name       | Scientific Name           | Plant Part | Forage Preferences |   |   |   |   |   |   |   |   |   |   |   |
|-------------------|---------------------------|------------|--------------------|---|---|---|---|---|---|---|---|---|---|---|
|                   |                           |            | J                  | F | M | A | M | J | J | A | S | O | N | D |
| Wildbuckwheat     | Eriogonum spp.            | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Fleabane          | Erigeron spp.             | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Larkspur          | Delphinium confertiflorum | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Sweet Clover      | Melilotus spp.            | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Lupine            | Lupinus alpestris         | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Penstemon         | Penstemon spp.            | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Indian Paintbrush | Castilleja coccinea       | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Dandelion         | Agoseris spp.             | EP         | U                  | U | P | P | P | D | D | D | D | D | D | U |
| Geranium          | Geranium spp.             | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Aster             | Aster spp.                | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Redstem Filaree   | Erodium cicutarium        | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Dock              | Rumex spp.                | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Clover            | Trifolium spp.            | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |
| Phlox             | Phlox spp.                | EP         | U                  | U | D | D | D | D | D | D | U | U | U | U |

**SUPPORTING INFORMATION**

**Associated sites:**

| Site Name | Site ID | Site Narrative |
|-----------|---------|----------------|
|           |         |                |

**Similar sites:**

| Site Name | Site ID | Site Narrative |
|-----------|---------|----------------|
|           |         |                |

**State Correlation:**

This site has been correlated with the following sites: \_\_\_\_\_

**Inventory Data References:**

| Data Source | # of Records | Sample Period | State | County |
|-------------|--------------|---------------|-------|--------|
|             |              |               |       |        |

**Type Locality:**

State: New Mexico

County: McKinley, Rio Arriba, Sandoval, Santa Fe, Taos

Latitude: \_\_\_\_\_

Longitude: \_\_\_\_\_

Township: \_\_\_\_\_

Range: \_\_\_\_\_

Section: \_\_\_\_\_

Is the type locality sensitive?    Yes             No

General Legal Description: \_\_\_\_\_

**Relationship to Other Established Classifications:**

|  |
|--|
|  |
|--|

**Other References:**

Data collection for this site was done in conjunction with the progressive soil surveys within the Southern Rocky Mountains 48 Major Land Resource Area of New Mexico. This site has been mapped and correlated with soils in the following soil surveys. Taos, Santa Fe, Rio Arriba, Los Alamos, and Sandoval county surveys.

**Characteristic Soils Are:**

|        |       |
|--------|-------|
| Arosa  | Cosey |
| Roques |       |

**Other Soils included are:**

|  |
|--|
|  |
|--|

**Site Description Approval:**

| <u>Author</u> | <u>Date</u> | <u>Approval</u> | <u>Date</u> |
|---------------|-------------|-----------------|-------------|
| Don Sylvester | 03/25/82    | Don Sylvester   | 03/25/82    |

**Site Description Revision:**

| <u>Author</u>    | <u>Date</u> | <u>Approval</u> | <u>Date</u> |
|------------------|-------------|-----------------|-------------|
| Elizabeth Wright | 02/28/03    | George Chavez   | 10/31/03    |