

Standards of Public Land Health Evaluation of 63015 CORONA WELL Allotment [03/08/2010]

The Roswell Field Office conducted rangeland health assessments at 6 study sites within 63015 CORONA WELL. The assessments looked at the Soil/Site Stability, Hydrologic Function and Biotic Integrity indicators within the vicinity of each study site. Existing monitoring data was incorporated into and in support of the field assessment. The summary of each assessment is attached and shown in the following table.

| Study Area or Assessment Area | UPLAND | | | BIOTIC | | | RIPARIAN | | |
|-------------------------------|--------|----------------------|---------------|--------|----------------------|---------------|----------|----------------------|---------------|
| | Meets | Monitor an Indicator | Does Not Meet | Meets | Monitor an Indicator | Does Not Meet | Meets | Monitor an Indicator | Does Not Meet |
| 63015-E ARMSTRONG-F065 | X | | | X | | | N/A | | |
| 63015-E KERKENDALL-F063 | X | | | X | | | N/A | | |
| 63015-E TIPTON-F067 | X | | | X | | | N/A | | |
| 63015-S ARMSTRONG-F066 | X | | | X | | | N/A | | |
| 63015-W ARMSTRONG-F064 | X | | | X | | | N/A | | |
| 63015-W TIPTON-F068 | X | | | X | | | N/A | | |

Twenty-two (22) indicators for Rangeland Health were evaluated for public land on the Corona Well allotment, 63015. Ten of these assessed soil site stability, 11 hydrologic functions and 13 assessed biotic integrity. These qualitative assessments in conjunction with quantitative information gathered from previous data collected at the trend study plot locations within the allotment were utilized to make rangeland health determinations. Quantitative evaluations are performed by the Roswell Field Office interdisciplinary teams, which include some or all of the following: ground and vegetative cover and composition, production, frequency and ecological condition. The collections which were initiated in the late 1970's/early 1980's, are scheduled and conducted approximately every 5 years. This allotment is in the "M" (Maintain) category.

This allotment contains 5,534 acres of public land. The studies are all located on one ecological site; Shallow CP-3.

The first study (East Armstrong) location is in a Shallow CP-3 ecological site. All but one of the indicators for this location fell into the None to Slight category; Soil Surface Loss or Degradation was rated as Slight to Moderate. Some cholla was noted here, but not enough for the team to rate Invasive Plants above None to Slight.

The East Kerkendall study and West Armstrong Pasture study had all but one indicator rated as None to Slight, again the indicator for Soil Surface Loss or Degradation was rated as Slight to Moderate .

The East Tipton study location had three indicators (Soil Surface Loss or Degradation, Annual Production and Invasive Plants) rated as a Slight to Moderate degree of departure from the ecological site description, cholla was noted at this location. All of the other indicators were rated as None to Slight. The team did recommend that this study location be moved to a site between 0.5 and 0.75 miles away from a livestock water, to better represent the pasture.

South Armstrong Pasture had two indicators rated as a Slight to Moderate degree of departure from the ecological site description. These were Bare Ground and Soil Surface Loss or Degradation. Slight livestock use was noted for the pasture. All of the remaining indicators were rated as None to Slight.

West Tipton Pasture had two indicators rated as a Slight to Moderate degree of departure from the ecological site description. These were Annual Production and Soil Surface Loss or Degradation. Slight livestock use was noted for the pasture. All of the remaining indicators were rated as None to Slight. The team noted that all species that were expected for the Shallow CP-3 site were present in each of the pastures.

There are no riparian areas on the public land within this allotment.

Recommendations: With a majority of the indicators falling in the None to Slight or Slight to Moderate category, this allotment is rated as “Meeting” the standards for Rangeland Health. Continue the rangeland monitoring studies to insure proper stocking rates are maintained and that the perennial grass cover and good plant composition remains.

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 63015-E ARMSTRONG-F065

| | | | |
|--------------------------------------|------------------------------------|--|------------|
| Legal Land Desc | NWNW 11 0020S 0190E Meridian 23 | Acreage | 628 |
| Ecosite | 070CY113NM SHALLOW CP-3 | Photo Taken | Y |
| Watershed | 13060003140 RAMON | | |
| Observers | ORTEGA & COLBERT | Observation Date | 03/29/2010 |
| County Soil Survey | NM632 LINCOLN | Soil Var/Taxad | |
| Soil Map Unit | 053 | Soil Taxon Name | PASTURA |
| Texture Class | NM632 L | Soil Phase | PASTURA |
| Texture Modifier | NM632 LOAM | | |
| Observed Avg Annual Precipitation | | Observed Avg Growing Season Precipitation | |
| NOAA Annual Precipitation | | NOAA Growing Season Precipitation | |
| NOAA Avg Annual Precipitation | | NOAA Avg Growing Season Precipitation | |
| Disturbances and Animal Use: | | | |

Part 2. Attributes and Indicators

| Attribute | Indicators | Departure from Ecological Site Description/Ecological Reference Areas | | | | |
|-----------|------------------------------|--|---------------------------|----------|-----------------------|----------------------|
| | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
| S H | Rills | | | | | X |
| Comments: | | | | | | |
| S H | Water Flow Patterns | | | | | X |
| Comments: | | | | | | |
| S H | Pedestals and/or Terracettes | | | | | X |
| Comments: | | | | | | |
| S H | Bare Ground | | | | | X |
| Comments: | | | | | | |
| S H | Gullies | | | | | X |
| Comments: | | | | | | |

| | | | | | | |
|-----------|--|--|--|--|---|---|
| S | Wind-scoured, Blowouts, and/or Deposition Areas | | | | | X |
| Comments: | | | | | | |
| H | Litter Movement | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Resistance to Erosion | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Loss or Degradation | | | | X | |
| Comments: | | | | | | |
| H | Plant Community Composition and Distribution Relative to Infiltration and Runoff | | | | | X |
| Comments: | | | | | | |
| S H B | Compaction Layer | | | | | X |
| Comments: | | | | | | |
| B | Functional/Structural Groups | | | | | X |
| Comments: | | | | | | |
| B | Plant Mortality/Decadence | | | | | X |
| Comments: | | | | | | |
| H B | Litter Amount | | | | | X |
| Comments: | | | | | | |
| B | Annual Production | | | | | X |
| Comments: | | | | | | |
| B | Invasive Plants | | | | | X |
| Comments: | | | | | | |
| B | Reproductive Capability of Perennial Plants | | | | | X |
| Comments: | | | | | | |
| S | Physical/Chemical/Biological Crusts | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Habitat | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Populations | | | | | X |
| Comments: | | | | | | |

| | | | | | | |
|-----------|------------------------------------|--|--|--|--|--|
| B | Special Status Species Habitat | | | | | |
| Comments: | Not applicable | | | | | |
| B | Special Status Species Populations | | | | | |
| Comments: | Not applicable | | | | | |

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

| Standard Attribute | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
|--------------------|------------|---------|---------------------|----------|--------------------|----------------|
| S | Soil | 0 | 0 | 0 | 1 | 9 |
| H | Hydrologic | 0 | 0 | 0 | 1 | 10 |
| B | Biotic | 0 | 0 | 0 | 1 | 10 |

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

| Attribute | Rationale | Does Not Meet | May Need More Info | Meets |
|------------|-----------|---------------|--------------------|-------|
| Soil | | 0 | 0 | 10 |
| Hydrologic | | 0 | 0 | 11 |
| Biotic | | 0 | 0 | 11 |

Site Notes: All species expected on this site are present, overall looks good.

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 63015-E KERKENDALL-F063

| | | | |
|--------------------------------------|-----------------------------------|--|-------------------|
| Legal Land Desc | NWNE 7 0020S 0190E Meridian 23 | Acreage | 1027 |
| Ecosite | 070CY113NM SHALLOW CP-3 | Photo Taken | Y |
| Watershed | 13060003140 RAMON | | |
| Observers | ORTEGA & COLBER | Observation Date | 03/29/2010 |
| County Soil Survey | NM632 LINCOLN | Soil Var/Taxad | |
| Soil Map Unit | 013 | Soil Taxon Name | DEAMA |
| Texture Class | NM632 L | Soil Phase | DEAMA- PASTURA |
| Texture Modifier | NM632 VERY COBBLY LOAM | | |
| Observed Avg Annual Precipitation | | Observed Avg Growing Season Precipitation | |
| NOAA Annual Precipitation | | NOAA Growing Season Precipitation | |
| NOAA Avg Annual Precipitation | | NOAA Avg Growing Season Precipitation | |
| Disturbances and Animal Use: | | | |

Part 2. Attributes and Indicators

| Attribute | Indicators | Departure from Ecological Site Description/Ecological Reference Areas | | | | |
|-----------|------------|--|---------------------------|----------|-----------------------|----------------------|
| | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
| S H | Rills | | | | | X |

| | | | | | | |
|-----------|--|--|--|--|---|---|
| Comments: | | | | | | |
| S H | Water Flow Patterns | | | | | X |
| Comments: | | | | | | |
| S H | Pedestals and/or Terracettes | | | | | X |
| Comments: | | | | | | |
| S H | Bare Ground | | | | | X |
| Comments: | | | | | | |
| S H | Gullies | | | | | X |
| Comments: | | | | | | |
| S | Wind-scoured, Blowouts, and/or Deposition Areas | | | | | X |
| Comments: | | | | | | |
| H | Litter Movement | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Resistance to Erosion | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Loss or Degradation | | | | X | |
| Comments: | | | | | | |
| H | Plant Community Composition and Distribution Relative to Infiltration and Runoff | | | | | X |
| Comments: | | | | | | |
| S H B | Compaction Layer | | | | | X |
| Comments: | | | | | | |
| B | Functional/Structural Groups | | | | | X |
| Comments: | | | | | | |
| B | Plant Mortality/Decadence | | | | | X |
| Comments: | | | | | | |
| H B | Litter Amount | | | | | X |
| Comments: | | | | | | |
| B | Annual Production | | | | | X |
| Comments: | | | | | | |
| B | Invasive Plants | | | | | X |
| Comments: | | | | | | |
| B | Reproductive Capability of | | | | | X |

| | | | | | | |
|-----------|-------------------------------------|--|--|--|--|---|
| | Perennial Plants | | | | | |
| Comments: | | | | | | |
| S | Physical/Chemical/Biological Crusts | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Habitat | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Populations | | | | | X |
| Comments: | | | | | | |
| B | Special Status Species Habitat | | | | | |
| Comments: | Not applicable | | | | | |
| B | Special Status Species Populations | | | | | |
| Comments: | Not applicable | | | | | |

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

| Standard Attribute | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
|--------------------|------------|---------|---------------------|----------|--------------------|----------------|
| S | Soil | 0 | 0 | 0 | 1 | 9 |
| H | Hydrologic | 0 | 0 | 0 | 1 | 10 |
| B | Biotic | 0 | 0 | 0 | 1 | 10 |

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

| Attribute | Rationale | Does Not Meet | May Need More Info | Meets |
|------------|-----------|---------------|--------------------|-------|
| Soil | | 0 | 0 | 10 |
| Hydrologic | | 0 | 0 | 11 |
| Biotic | | 0 | 0 | 11 |

Site Notes: This area looks really good, slight use by livestock. All species expected for this site are present.

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 63015-E TIPTON-F067

| | | | |
|--------------------------------------|------------------------------------|--|-------------------|
| Legal Land Desc | SWNW 17 0020S 0190E Meridian 23 | Acreage | 1027 |
| Ecosite | 070CY113NM SHALLOW CP-3 | Photo Taken | Y |
| Watershed | 13060005040 FIFTEEN MILE | | |
| Observers | ORTEGA & COLBERT | Observation Date | 03/29/2010 |
| County Soil Survey | NM632 LINCOLN | Soil Var/Taxad | |
| Soil Map Unit | 013 | Soil Taxon Name | DEAMA |
| Texture Class | NM632 L | Soil Phase | DEAMA- PASTURA |
| Texture Modifier | NM632 VERY COBBLY LOAM | | |
| Observed Avg Annual Precipitation | | Observed Avg Growing Season Precipitation | |
| NOAA Annual Precipitation | | NOAA Growing Season Precipitation | |
| NOAA Avg Annual Precipitation | | NOAA Avg Growing Season Precipitation | |
| Disturbances and Animal Use: | | | |

Part 2. Attributes and Indicators

| Attribute | Indicators | Departure from Ecological Site Description/Ecological Reference Areas | | | | |
|-----------|------------|--|---------------------------|----------|-----------------------|----------------------|
| | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
| S H | Rills | | | | | X |
| Comments: | | | | | | |

| | | | | | | |
|----------------------------------|--|--|--|--|---|---|
| S H | Water Flow Patterns | | | | | X |
| Comments: | | | | | | |
| S H | Pedestals and/or Terracettes | | | | | X |
| Comments: | | | | | | |
| S H | Bare Ground | | | | | X |
| Comments: | | | | | | |
| S H | Gullies | | | | | X |
| Comments: | | | | | | |
| S | Wind-scoured, Blowouts, and/or Deposition Areas | | | | | X |
| Comments: | | | | | | |
| H | Litter Movement | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Resistance to Erosion | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Loss or Degradation | | | | X | |
| Comments: | | | | | | |
| H | Plant Community Composition and Distribution Relative to Infiltration and Runoff | | | | | X |
| Comments: | | | | | | |
| S H B | Compaction Layer | | | | | X |
| Comments: | | | | | | |
| B | Functional/Structural Groups | | | | | X |
| Comments: | | | | | | |
| B | Plant Mortality/Decadence | | | | | X |
| Comments: | | | | | | |
| H B | Litter Amount | | | | | X |
| Comments: | | | | | | |
| B | Annual Production | | | | X | |
| Comments: slight to moderate use | | | | | | |
| B | Invasive Plants | | | | X | |
| Comments: cholla present | | | | | | |
| B | Reproductive Capability of Perennial Plants | | | | | X |

| | | | | | | |
|-----------|-------------------------------------|--|--|--|--|---|
| Comments: | | | | | | |
| S | Physical/Chemical/Biological Crusts | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Habitat | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Populations | | | | | X |
| Comments: | | | | | | |
| B | Special Status Species Habitat | | | | | |
| Comments: | Not applicable | | | | | |
| B | Special Status Species Populations | | | | | |
| Comments: | Not applicable | | | | | |

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

| Standard Attribute | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
|--------------------|------------|---------|---------------------|----------|--------------------|----------------|
| S | Soil | 0 | 0 | 0 | 1 | 9 |
| H | Hydrologic | 0 | 0 | 0 | 1 | 10 |
| B | Biotic | 0 | 0 | 0 | 3 | 8 |

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

| Attribute | Rationale | Does Not Meet | May Need More Info | Meets |
|------------|-----------|---------------|--------------------|-------|
| Soil | | 0 | 0 | 10 |
| Hydrologic | | 0 | 0 | 11 |
| Biotic | | 0 | 0 | 11 |

Site Notes: This study location is close to a livestock water, the team recommends that the study

be moved to a location that is no closer than 0.5 miles or further than 0.75 miles from water.

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 63015-S ARMSTRONG-F066

| | | | |
|--------------------------------------|------------------------------------|--|------------|
| Legal Land Desc | NWSE 15 0020S 0190E Meridian 23 | Acreage | 913 |
| Ecosite | 070CY113NM SHALLOW CP-3 | Photo Taken | Y |
| Watershed | 13060005040 FIFTEEN MILE | | |
| Observers | ORTEGA & COLBER | Observation Date | 03/29/2010 |
| County Soil Survey | NM632 LINCOLN | Soil Var/Taxad | |
| Soil Map Unit | 053 | Soil Taxon Name | PASTURA |
| Texture Class | NM632 L | Soil Phase | PASTURA |
| Texture Modifier | NM632 LOAM | | |
| Observed Avg Annual Precipitation | | Observed Avg Growing Season Precipitation | |
| NOAA Annual Precipitation | | NOAA Growing Season Precipitation | |
| NOAA Avg Annual Precipitation | | NOAA Avg Growing Season Precipitation | |
| Disturbances and Animal Use: | | | |

Part 2. Attributes and Indicators

| Attribute | Indicators | Departure from Ecological Site Description/Ecological Reference Areas | | | | |
|-----------|---------------------|--|---------------------------|----------|-----------------------|----------------------|
| | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
| S H | Rills | | | | | X |
| Comments: | | | | | | |
| S H | Water Flow Patterns | | | | | X |
| Comments: | | | | | | |

| | | | | | | |
|-----------|--|--|--|--|---|---|
| S H | Pedestals and/or Terracettes | | | | | X |
| Comments: | | | | | | |
| S H | Bare Ground | | | | X | |
| Comments: | | | | | | |
| S H | Gullies | | | | | X |
| Comments: | | | | | | |
| S | Wind-scoured, Blowouts, and/or Deposition Areas | | | | | X |
| Comments: | | | | | | |
| H | Litter Movement | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Resistance to Erosion | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Loss or Degradation | | | | X | |
| Comments: | | | | | | |
| H | Plant Community Composition and Distribution Relative to Infiltration and Runoff | | | | | X |
| Comments: | | | | | | |
| S H B | Compaction Layer | | | | | X |
| Comments: | | | | | | |
| B | Functional/Structural Groups | | | | | X |
| Comments: | | | | | | |
| B | Plant Mortality/Decadence | | | | | X |
| Comments: | | | | | | |
| H B | Litter Amount | | | | | X |
| Comments: | | | | | | |
| B | Annual Production | | | | | X |
| Comments: | | | | | | |
| B | Invasive Plants | | | | | X |
| Comments: | | | | | | |
| B | Reproductive Capability of Perennial Plants | | | | | X |
| Comments: | | | | | | |
| S | Physical/Chemical/Biological | | | | | X |

| | | | | | | |
|-----------|------------------------------------|--|--|--|--|---|
| | Crusts | | | | | |
| Comments: | | | | | | |
| B | Wildlife Habitat | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Populations | | | | | X |
| Comments: | | | | | | |
| B | Special Status Species Habitat | | | | | |
| Comments: | Not applicable | | | | | |
| B | Special Status Species Populations | | | | | |
| Comments: | Not applicable | | | | | |

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

| Standard Attribute | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
|--------------------|------------|---------|---------------------|----------|--------------------|----------------|
| S | Soil | 0 | 0 | 0 | 2 | 8 |
| H | Hydrologic | 0 | 0 | 0 | 2 | 9 |
| B | Biotic | 0 | 0 | 0 | 1 | 10 |

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

| Attribute | Rationale | Does Not Meet | May Need More Info | Meets |
|------------|-----------|---------------|--------------------|-------|
| Soil | | 0 | 0 | 10 |
| Hydrologic | | 0 | 0 | 11 |
| Biotic | | 0 | 0 | 11 |

Site Notes:

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 63015-W ARMSTRONG-F064

| | | | |
|--------------------------------------|-----------------------------------|--|------------|
| Legal Land Desc | SENE 9 0020S 0190E Meridian 23 | Acreage | 1141 |
| Ecosite | 070CY113NM SHALLOW CP-3 | Photo Taken | Y |
| Watershed | 13060003140 RAMON | | |
| Observers | ORTEGA & COLBER | Observation Date | 03/29/2010 |
| County Soil Survey | NM632 LINCOLN | Soil Var/Taxad | |
| Soil Map Unit | 053 | Soil Taxon Name | PASTURA |
| Texture Class | NM632 L | Soil Phase | PASTURA |
| Texture Modifier | NM632 LOAM | | |
| Observed Avg Annual Precipitation | | Observed Avg Growing Season Precipitation | |
| NOAA Annual Precipitation | | NOAA Growing Season Precipitation | |
| NOAA Avg Annual Precipitation | | NOAA Avg Growing Season Precipitation | |
| Disturbances and Animal Use: | | | |

Part 2. Attributes and Indicators

| Attribute | Indicators | Departure from Ecological Site Description/Ecological Reference Areas | | | | |
|-----------|------------|--|---------------------------|----------|-----------------------|----------------------|
| | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
| S H | Rills | | | | | X |
| Comments: | | | | | | |

| | | | | | | |
|-----------|--|--|--|--|---|---|
| S H | Water Flow Patterns | | | | | X |
| Comments: | | | | | | |
| S H | Pedestals and/or Terracettes | | | | | X |
| Comments: | | | | | | |
| S H | Bare Ground | | | | | X |
| Comments: | | | | | | |
| S H | Gullies | | | | | X |
| Comments: | | | | | | |
| S | Wind-scoured, Blowouts, and/or Deposition Areas | | | | | X |
| Comments: | | | | | | |
| H | Litter Movement | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Resistance to Erosion | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Loss or Degradation | | | | X | |
| Comments: | | | | | | |
| H | Plant Community Composition and Distribution Relative to Infiltration and Runoff | | | | | X |
| Comments: | | | | | | |
| S H B | Compaction Layer | | | | | X |
| Comments: | | | | | | |
| B | Functional/Structural Groups | | | | | X |
| Comments: | | | | | | |
| B | Plant Mortality/Decadence | | | | | X |
| Comments: | | | | | | |
| H B | Litter Amount | | | | | X |
| Comments: | | | | | | |
| B | Annual Production | | | | | X |
| Comments: | | | | | | |
| B | Invasive Plants | | | | | X |
| Comments: | | | | | | |
| B | Reproductive Capability of Perennial Plants | | | | | X |

| | | | | | | |
|-----------|-------------------------------------|--|--|--|--|---|
| Comments: | | | | | | |
| S | Physical/Chemical/Biological Crusts | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Habitat | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Populations | | | | | X |
| Comments: | | | | | | |
| B | Special Status Species Habitat | | | | | |
| Comments: | Not applicable | | | | | |
| B | Special Status Species Populations | | | | | |
| Comments: | Not applicable | | | | | |

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

| Standard Attribute | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
|--------------------|------------|---------|---------------------|----------|--------------------|----------------|
| S | Soil | 0 | 0 | 0 | 1 | 9 |
| H | Hydrologic | 0 | 0 | 0 | 1 | 10 |
| B | Biotic | 0 | 0 | 0 | 1 | 10 |

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

| Attribute | Rationale | Does Not Meet | May Need More Info | Meets |
|------------|-----------|---------------|--------------------|-------|
| Soil | | 0 | 0 | 10 |
| Hydrologic | | 0 | 0 | 11 |
| Biotic | | 0 | 0 | 11 |

Site Notes: The pasture looks good, with slight use by livestock. All species expected for this site

are present.

RFOs Upland and Biotic Standard Assessment Summary Worksheet

SITE 63015-W TIPTON-F068

| | | | |
|--------------------------------------|------------------------------------|--|-------------------|
| Legal Land Desc | SWNE 18 0020S 0190E Meridian 23 | Acreege | 798 |
| Ecosite | 070CY113NM SHALLOW CP-3 | Photo Taken | Y |
| Watershed | 13060003140 RAMON | | |
| Observers | ORTEGA & COLBER | Observation Date | 03/29/2010 |
| County Soil Survey | NM632 LINCOLN | Soil Var/Taxad | |
| Soil Map Unit | 013 | Soil Taxon Name | DEAMA |
| Texture Class | NM632 L | Soil Phase | DEAMA- PASTURA |
| Texture Modifier | NM632 VERY COBBLY LOAM | | |
| Observed Avg Annual Precipitation | | Observed Avg Growing Season Precipitation | |
| NOAA Annual Precipitation | | NOAA Growing Season Precipitation | |
| NOAA Avg Annual Precipitation | | NOAA Avg Growing Season Precipitation | |
| Disturbances and Animal Use: | | | |

Part 2. Attributes and Indicators

| Attribute | Indicators | Departure from Ecological Site Description/Ecological Reference Areas | | | | |
|-----------|------------|--|---------------------------|----------|-----------------------|----------------------|
| | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
| S H | Rills | | | | | X |

| | | | | | | |
|-----------|--|--|--|--|---|---|
| Comments: | | | | | | |
| S H | Water Flow Patterns | | | | | X |
| Comments: | | | | | | |
| S H | Pedestals and/or Terracettes | | | | | X |
| Comments: | | | | | | |
| S H | Bare Ground | | | | | X |
| Comments: | | | | | | |
| S H | Gullies | | | | | X |
| Comments: | | | | | | |
| S | Wind-scoured, Blowouts, and/or Deposition Areas | | | | | X |
| Comments: | | | | | | |
| H | Litter Movement | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Resistance to Erosion | | | | | X |
| Comments: | | | | | | |
| S H B | Soil Surface Loss or Degradation | | | | X | |
| Comments: | | | | | | |
| H | Plant Community Composition and Distribution Relative to Infiltration and Runoff | | | | | X |
| Comments: | | | | | | |
| S H B | Compaction Layer | | | | | X |
| Comments: | | | | | | |
| B | Functional/Structural Groups | | | | | X |
| Comments: | | | | | | |
| B | Plant Mortality/Decadence | | | | | X |
| Comments: | | | | | | |
| H B | Litter Amount | | | | | X |
| Comments: | | | | | | |
| B | Annual Production | | | | X | |
| Comments: | | | | | | |
| B | Invasive Plants | | | | | X |
| Comments: | | | | | | |
| B | Reproductive Capability of | | | | | X |

| | | | | | | |
|-----------|-------------------------------------|--|--|--|--|---|
| | Perennial Plants | | | | | |
| Comments: | | | | | | |
| S | Physical/Chemical/Biological Crusts | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Habitat | | | | | X |
| Comments: | | | | | | |
| B | Wildlife Populations | | | | | X |
| Comments: | | | | | | |
| B | Special Status Species Habitat | | | | | |
| Comments: | Not applicable | | | | | |
| B | Special Status Species Populations | | | | | |
| Comments: | Not applicable | | | | | |

Part 3. Summary

A. Indicator Summary - Each of the indicators are associated with one or more of the attributes below. An indicator is placed in a category (columns) above and summed for each of the Standard Attributes.

| Standard Attribute | | Extreme | Moderate to Extreme | Moderate | Slight to Moderate | None to Slight |
|--------------------|------------|---------|---------------------|----------|--------------------|----------------|
| S | Soil | 0 | 0 | 0 | 1 | 9 |
| H | Hydrologic | 0 | 0 | 0 | 1 | 10 |
| B | Biotic | 0 | 0 | 0 | 2 | 9 |

B. Attribute Summary. In this table, the Extreme and Extreme to Moderate columns in the table above are merged for the *Does not Meet* column, Moderate becomes *May Need More Info*, and Slight to Moderate and None to Slight merge to form the *Meets* columns. Values from the table are summarized below. Space is provided for rationale of the determination. This space should most certainly be used when the determination by the ID team conflicts with the summarized values. Provide the sources of information that lead to the determination. X out the appropriate box for each attribute to denote final agreed upon determination by the ID team.

| Attribute | Rationale | Does Not Meet | May Need More Info | Meets |
|------------|-----------|---------------|--------------------|-------|
| Soil | | 0 | 0 | 10 |
| Hydrologic | | 0 | 0 | 11 |
| Biotic | | 0 | 0 | 11 |

Site Notes: All species expected for this site are present. Overall, this pasture looks good.

Determination of Public Land (Rangeland) Health for 63015 CORONA WELL

The Record of Decision (ROD) for the New Mexico Standards for Public Land Health and Guidelines for Livestock Grazing Management (dated January 2001) adopted three Standards for Public Land Health. These are (1) Upland Sites Standard, (2) Biotic Communities, including Native, Threatened, Endangered, and Special Status Species Standard and (3) Riparian Sites Standard.

The ROD also established a process for the BLM Field Offices for the implementation. Through a public participation process, the Roswell Field Office developed and adopted indicators to use in conjunction with existing monitoring data to assess these standards.

Field assessment worksheets and other available data that evaluate the local indicators were completed for this allotment. Based on the assessments, it is my determination that the public land within the Corona Well allotment, 63015, meets the (1) Upland Sites Standard, (2) Biotic Communities, including Native, Threatened, Endangered and Special Status Species Standard and (3) Riparian Standard.

/s/ J. Howard Parman
Acting Assistant Field Manager

04/12/2010
Date