
APPENDIX B
ADMINISTRATIVE CLOSURES TO LEASING FOR
FLUID MINERALS AND STIPULATIONS APPLICABLE
TO ALL SURFACE-DISTURBING ACTIVITIES

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**B. ADMINISTRATIVE CLOSURES TO LEASING FOR FLUID MINERALS AND STIPULATIONS
APPLICABLE TO FLUID MINERALS DEVELOPMENT AND OTHER SURFACE-DISTURBING
ACTIVITIES**

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APPENDIX B

ADMINISTRATIVE CLOSURES TO LEASING FOR FLUID MINERALS AND STIPULATIONS APPLICABLE TO ALL SURFACE-DISTURBING ACTIVITIES

B.1 INTRODUCTION

This appendix lists, by alternative, the closures and stipulations for fluid minerals (oil and gas, coalbed natural gas, oil shale, and geothermal) leasing referred to throughout this Draft RMP and EIS. These stipulations would also apply, where appropriate, to all surface-disturbing activities (and occupancy) associated with land use authorizations, permits, and leases issued on BLM lands. The stipulations would not apply to activities and uses where they are contrary to laws, regulations, or specific program guidance. The intent is to maintain consistency, to the extent possible, in applying stipulations to all surface-disturbing activities.

Stipulations apply to surface-disturbing activities on lands overlying federal mineral estate, which includes mineral estate underlying BLM lands, privately owned lands, and underlying State-owned lands. As such, federal mineral estate acres are greater than BLM surface acres. In the planning area, federal mineral estate totals 707,000 acres in the CRVFO.

Surface-disturbing activities are those that normally result in more than negligible (immeasurable, not readily noticeable) disturbance to vegetation and soils on public lands and accelerate natural erosion processes. Whether surface-disturbing activities are considered more than negligible may be determined based on the areal extent, duration, or intensity of the activity, the existing condition of the area affected, and the compatibility or incompatibility of the activity with another resource value or use. In general, surface disturbances are more than negligible if the impact would last longer than 2 years and/or require revegetation rather than natural recovery to restore the area to pre-disturbance conditions within one or two growing seasons.

For the purposes of this DRMP/DEIS, surface (ground) disturbances that normally result in greater-than-negligible impacts lasting more than 2 years include, but are not limited to, the following:

- Construction of permanent or other long-term facilities such as telecommunication towers, powerlines, pipelines, and well pads for fluid minerals development.
- New road construction, including upgrading of existing two-track roads for fluid minerals development.
- Mechanical scraping, excavation, or digging.
- Mining.

Additional activities that may have greater-than-negligible impacts, depending on the intensity and duration of the activity and pre-disturbance conditions, include, among others:

- Use of mechanized earth-moving equipment that damages vegetation and disturbs the soil (e.g., tracked vehicles).
- Cross-country motorized and mechanized travel in areas designated as limited or closed to OHV use, or cross-country motorized travel on less than 12 inches of snow.
- Vegetation treatments that scarify the soil, if natural recovery or revegetation of the treated area would be expected to require more than two growing seasons, and if the treatments are incompatible with a resource value being protected by a no surface occupancy / no surface disturbance stipulation.
- Construction of range improvements, including stock ponds and installation of fencing, if such improvements are incompatible with a resource value being protected by a no surface occupancy / no surface disturbance stipulation.
- Intensive and/or large-scale human use or occupation (e.g., concentrated group events).
- Use of explosives or pyrotechnics.

Activities that are not considered surface-disturbing activities include, among others, livestock grazing, cross-country hiking or horseback riding, and vehicular travel on designated routes.

B.2 ADMINISTRATIVE CLOSURES TO FLUID MINERALS LEASING AND STIPULATIONS FOR ALL SURFACE-DISTURBING ACTIVITIES

Tables B-1 through B-5 summarize the stipulations to be applied as resource protections; Tables B-6 through B-10 provide details of the stipulations and protected resources, including exceptions, modifications, and waivers by alternative. Three types of stipulations could be applied to land use authorizations: 1) no surface occupancy (NSO) or other no surface-disturbing activities; 2) controlled surface use (CSU); and 3) timing limitation (TL). Although not a stipulation *per se*, areas that are closed to fluid minerals leasing and other

surface-disturbing activities are also summarized in Table B-1 and detailed in Table B-6. All other areas are open to fluid minerals leasing subject to standard terms and conditions.

Lease stipulations and lease notices would be applied to all new leases and to expired leases that are reissued. On existing leases, the BLM would seek voluntary compliance or would develop Conditions of Approval (COAs) for Applications for Permit to Drill (APDs) or other authorizations to achieve resource objectives of lease stipulations contained in this RMP.

Stipulations identified in Alternative A, current management, were developed in the following two source documents and are annotated as “existing” in italics in the “stipulations number” column of Tables B-2 through B-5 and B-7 through B-10:

- 1) Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a). These stipulations do not apply to leases that were issued prior to November 1991.
- 2) GSFO (CRVFO) Oil and Gas Leasing and Development RMP Amendment (BLM 1999b). These stipulations do not apply to leases issued prior to March 1999.

B.2.1 Administratively Closed to Leasing (CL) for Fluid Minerals

Areas identified as closed are not open to leasing for fluid minerals exploration and development. Exceptions, modifications, and waivers do not apply to closed areas. Refer to Tables B-1 and B-6.

B.2.2 No Surface Occupancy (NSO)

Use or occupancy of the land surface for fluid mineral exploration or development and surface-disturbing activities (as defined above) is prohibited to protect identified resource values. Refer to Tables B-2 and B-7.

The NSO/No Surface-Disturbing Activities stipulation, a major constraint, includes stipulations that may be worded, “No Surface Use/Occupancy,” “No Surface Disturbance,” “Conditional NSO,” “ground-disturbing activity,” and “Surface Disturbance or Surface Occupancy Restriction (by location).”

Areas identified as NSO/No Surface-Disturbing Activities are open to fluid minerals leasing, but long-term surface-disturbing activities (duration greater than 2 years) cannot be conducted on the surface of the land. Access to fluid minerals resources would require horizontal and/or directional drilling from outside the boundaries of the NSO/No Surface-Disturbing Activities area. NSO/No Surface-Disturbing Activities areas are avoidance areas for rights-of-way; no rights-of-ways would be granted in NSO/No Surface-Disturbing Activities areas unless no feasible alternative exists.

An NSO/No Surface-Disturbing Activities stipulation cannot be applied to operations conducted under the General Mining Act of 1872 without a withdrawal. A withdrawal is not a land use planning decision because it must be approved by the Secretary of Interior. Therefore, unless withdrawn, areas identified as NSO/No Surface-Disturbing Activities are

open to operations conducted under the Mining Law of 1872, subject only to TL and CSU stipulations that are consistent with the rights granted under the mining laws.

B.2.3 Controlled Surface Use (CSU)

Controlled surface use (CSU) is a category of moderate constraint stipulations that allows some use and occupancy of public land while protecting identified resources or values. A CSU stipulation would allow the BLM to require special operational constraints, including special design or relocating the surface-disturbing activity by more than 200 meters (656 feet) to protect the specified resource or value. Refer to Tables B-3 and B-8.

B.2.4 Timing Limitations (TL)

Areas identified as TL, a moderate constraint, are closed to fluid minerals exploration and development and other surface-disturbing activities during identified timeframes. This stipulation would not apply to operation and maintenance activities, including associated vehicle travel, unless otherwise specified. Refer to Tables B-4 and B-9.

B.2.5 Lease Notice (LN)

A lease notice provides more detailed information concerning limitations already provided by law, lease terms, regulations, or operational orders. An LN also addresses special items that lessees should consider when planning operations but does not impose additional restrictions. Lease notices apply only to leasable minerals (e.g., oil, gas, geothermal) and not to other types of leases, such as livestock grazing. Refer to Tables B-5 and B-10.

B.2.6 Condition of Approval (COA)

Conditions of Approval are conditions or provisions (requirements) under which an Application for Permit to Drill is approved.

B.3 EXCEPTIONS, MODIFICATIONS, AND WAIVERS

Stipulations could be excepted, modified, or waived by the Authorized Officer. An exception exempts the holder of the land use authorization from the stipulation on a one-time basis. A modification changes the language or provisions of a surface stipulation, either temporarily or permanently. A waiver permanently exempts the surface stipulation, such as when it is no longer relevant or needed.

B.3.1 Standard Exception

The standard exception applies to all NSO/No Surface-Disturbing Activities, CSUs, and TLs even though the standard exception is not included in the “exception” portion of Tables B-7 through B-9. An exception may be granted by the Authorized Officer if it can be demonstrated that the surface-disturbing activity:

- 1) Would not cause adverse impacts, have negligible impacts, or improve the protected resource value or use as defined by RMP objectives, standards, or conditions in the stipulation (e.g., fuels treatment that improves forbs in key wildlife habitat with an NSO, trail construction to improve recreational opportunities in an SRMA with an NSO established to protect recreational opportunities).

- 2) By its nature, must be done within the NSO area in order to benefit the resource value or use that the NSO seeks to protect (e.g., spring development to improve riparian vegetation condition within an NSO for riparian vegetation, installation of brook trout stream barrier to protect cutthroat trout in a cutthroat trout NSO, or maintenance of an existing road or other facility).

In situations where a surface-disturbing activity/lease stipulation is excepted, the activity could be subject to additional conditions of approval, reclamation measures, or BMPs. Measures applied would be based on the nature, extent, and values potentially affected by the surface-disturbing activity. Excepted surface-disturbing activities/lease stipulations are given on a one-time case-by-case basis and will not necessary constitute subsequent approvals.

B.3.2 Standard Modification

A 30-day public notice and comment period is required before modification of a stipulation. An example of a standard modification would be if an NSO or TL for a raptor nest becomes invalidated because that area of the forest has burned, and suitable nest trees no longer exist in that area.

B.3.3 Standard Waiver

No permanent exemptions or waivers are authorized unless the areas mapped as possessing the attributes are verified by BLM staff to not possess those attributes. An example of a standard waiver would be if a species protected under the Endangered Species Act is removed from the list of threatened or endangered species, and the relevant NSO for that species is no longer appropriate (although a different stipulation, such as for BLM sensitive species, may apply).

B.4 STANDARD TERMS AND CONDITIONS FOR OIL AND GAS LEASING

Leasing of federal oil and gas resources is regulated under 43 CFR 3100. Onshore Oil and Gas Order No. 1 (Onshore Oil and Gas Operations; Federal and Indian Oil and Gas Leases; Approval of Operations) and federal regulations (43 CFR 3160) provide the ability for the BLM to relocate proposed operations up to 200 meters (656 feet) and prohibit surface-disturbing operations for a period not to exceed 60 days. BLM's regulatory authority also includes ensuring that fluid minerals developments are conducted in an environmentally sound manner that protects other resources and uses and requiring adequate reclamation.

Table B-1
Summary of Areas Administratively Closed to Leasing (CL) for Fluid Minerals ¹

Closure Number (New)	Protected Resource	Alternative			
		A	B	C	D
	Fish and Wildlife				
CRV-CL-1	Core Wildlife Areas			•	
CRV-CL-2	State Wildlife Areas			•	
	Lands with Wilderness Characteristics (LWCs)				
CRV-CL-5	Municipal Boundaries	•	•	•	•
	Lands and Realty				
CRV-CL-5	Municipal Boundaries	•	•	•	•
	Recreation and Visitor Services				
CRV-CL-7	Upper Colorado River SRMA		•	•	•
	Areas of Critical Environmental Concern (ACECs)				
<i>None</i>	Thompson Creek Natural Environment Area	•			
CRV-CL-8	Deep Creek and Thompson Creek ACECs		•	•	
CRV-CL-9	Blue Hill and Bull Gulch ACECs		•	•	•
CRV-CL-10	Greater Sage-Grouse Habitat ACEC			•	
	Wilderness Study Areas (WSAs)				
CRV-CL-11	WSAs	•	•	•	•
	Wild and Scenic Rivers (WSRs)				
CRV-CL-12	Suitable Stream Segments		•	•	

¹ Details of these closures are provided in Table B-6, Areas Closed to Leasing for Oil and Gas.

Table B-2
Summary of No Surface Use (NSO) Stipulations Applicable to Fluid Minerals Development and Other Surface-Disturbing Activities ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
	Soils				
<i>GS-NSO-14</i> CRV-NSO-1	Debris Flow Hazard Zones	•	•	•	•
<i>GS-NSO-15</i>	Steep Slopes Greater than 50 Percent for Oil and Gas Facilities	•			
CRV-NSO-2	Steep Slopes Greater than 50 Percent		•	•	•
	Water				
<i>GS-NSO-3</i> CRV-NSO-3	Major River Corridors (<i>Six rivers included</i>)	•	•	•	•
<i>GS-NSO-13</i>	Domestic Watershed Areas	•			
CRV-NSO-4	Designated Municipal Watershed Areas		•	•	•
CRV-NSO-5	Streamside Management Zones		•	•	

Table B-2
Summary of No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
Vegetation					
GS-NSO-2	Riparian and Wetland Zones (<i>Exception granted if Authorized Officer determines that activity will cause no loss of riparian vegetation, or that vegetation loss can be replaced within 3 to 5 years</i>)	•			
CRV-NSO-6	Riparian and Wetland Zones (<i>Exception granted if Authorized Officer determines that activity will not cause unacceptable adverse impacts to the riparian or wetland resource. Activity may be subject to additional conditions of approval, reclamation measures, or best management practices</i>)			•	
Wildlife					
CRV-NSO-8	Core Wildlife Areas		•	•	
GS-NSO-11	Nine Wildlife Seclusion Areas	•			
GS-NSO-4	Garfield Creek, Basalt, and West Rifle Creek State Wildlife Areas	•			
CRV-NSO-10	State Wildlife Areas		•		
GS-NSO-7 (NSO CO-3)	Raptors (including Osprey)	•			
CRV-NSO-12	Raptors (General, not including special status species)		•	•	•
CO-NSO-7 CRV-NSO-14	Waterfowl and Shorebird Habitat and Heron Rookeries	•	•	•	•
Aquatic Wildlife and Fisheries					
CRV-NSO-15	Fish-bearing Streams		•		
CRV-NSO-16	Perennial Waters			•	
GS-NSO-5	Rifle Falls and Glenwood Springs Fish Hatcheries	•			
CRV-NSO-17	Fish Hatcheries		•	•	•
Special Status Species – Plants and Wildlife					
GS-NSO-12	Threatened, Endangered, Proposed, and Candidate Species (General)	•			
Special Status Species – Plants					
GS-NSO-8 (NSO CO-8)	Threatened, Endangered, Proposed, and Candidate Plant Species	•			
CRV-NSO-18	Threatened, Endangered, Proposed, and Candidate Plants – Current and Historically Occupied Habitat		•		•
CRV-NSO-19	Threatened, Endangered, Proposed, Candidate, and BLM Sensitive Plant Species – Current and Historically Occupied Habitat			•	
CRV-NSO-20	Sensitive Plant Occupied Habitat (<i>Outside ACECs, this NSO would not apply to Harrington's penstemon habitat</i>)		•		
CRV-NSO-22	DeBeque Phacelia Suitable Habitat		•	•	•
Special Status Species – Wildlife and Fish					
GS-NSO-6 (NSO CO-2)	Grouse Leks (<i>NSO within a 0.25-mile radius of a lek site</i>)	•			
CRV-NSO-23	Greater Sage-grouse Leks (<i>NSO within a 06-mile radius of a lek site</i>)		•	•	•

Table B-2
Summary of No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
CRV-NSO-24	Columbian Sharp-tailed Grouse Leaks (<i>NSO and no surface-disturbing activities would be allowed within a 04-mile radius of an active lek</i>)		•		•
CRV-NSO-25	Columbian Sharp-tailed Grouse Leaks (<i>NSO and no surface-disturbing activities would be allowed within a 04-mile radius of a known lek</i>)			•	
<i>GS-NSO-8</i> CRV-NSO-26	Bald Eagle Roost or Nest Site	•	•	•	•
<i>GS-NSO-9</i> (<i>NSO CO-5</i>) CRV-NSO-27	Peregrine Falcon Cliff-Nesting Complex	•	•	•	•
<i>GS-NSO-10</i> (<i>NSO CO-6</i>)	Mexican Spotted Owl Nest and Roost Sites (<i>0.25-mile buffer</i>)	•	•	•	•
CRV-NSO-28	Mexican Spotted Owl Nest and Roost Sites (<i>0.5-mile buffer</i>)		•	•	•
<i>GS-NSO-7</i> (<i>NSO CO-19</i>)	Ferruginous Hawk Nesting and Fledgling Habitat (<i>0.125-mile buffer</i>)	•			
CRV-NSO-29	Ferruginous Hawk Nesting and Fledgling Habitat (<i>0.5-mile buffer</i>)		•	•	•
CRV-NSO-30	Special Status Bat Species Roost Sites		•	•	
CRV-NSO-31	Conservation and Core Conservation Populations of Colorado River Cutthroat Trout				•
CRV-NSO-32	Federally Listed Big-River Fishes (Razorback Sucker, Colorado Pikeminnow, Humpback Chub, and Bonytail)		•	•	•
CRV-NSO-33	BLM Sensitive Big-River Fishes (Flannelmouth Sucker, Bluehead Sucker, Roundtail Chub)		•	•	•
CRV-NSO-34	BLM Sensitive Amphibians (Great Basin Spadefoot, Boreal Toad, Northern Leopard Frog, Wood Frog)			•	
Cultural Resources					
CRV-NSO-37	Heritage Areas (Traditional Cultural Properties)		•	•	•
<i>BLM 2008f</i> CRV-NSO-38	Historic Properties (100 meters [328 feet])	•			•
CRV-NSO-39	Historic Properties (200 meters [656 feet])		•	•	
Visual Resources					
<i>GS-NSO-18</i>	Interstate 70 Viewshed	•			
CRV-NSO-41	VRM Class II Areas with Slopes over 30 Percent and High Visual Sensitivity		•	•	•
CRV-NSO-42	VRM Class I Areas		•	•	•
Lands with Wilderness Characteristics (LWCs)					
CRV-NSO-43	LWCs outside WSAs			•	
Cave and Karst Resources					
<i>GS-NSO-16</i> CRV-NSO-54	Deep Creek Cave Area	•		•	
CRV-NSO-44	Cave and Karst Occurrence Areas		•	•	•

Table B-2
Summary of No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
	Recreation and Visitor Services				
<i>GS-NSO-16</i>	SRMAs, Deep Creek Cave, and ACECs	•			
<i>GS-NSO-17</i>	Recreation Management Areas	•			
CRV-NSO-45	Rifle Mountain Park		•	•	•
CRV-NSO-46	SRMAs		•	•	•
	Coal				
<i>GS-NSO-1</i>	Surface Coal Mines	•	•	•	•
CRV-NSO-47	Surface Coal Mines	•	•	•	•
	Areas of Critical Environmental Concern (ACECs)				
<i>GS-NSO-16</i>	ACECs	•	•	•	•
CRV-NSO-49	ACECs	•	•	•	•
	Wilderness Study Areas (WSAs)				
CRV-NSO-50	Wilderness Study Areas	•	•	•	•
	Wild and Scenic Rivers (WSRs)				
CRV-NSO-51	Suitable Stream Segments Classified as “Wild”		•	•	

¹ Details of these stipulations are provided in Table B-7, No Surface Use (NSO) Stipulations Applicable to Fluid Minerals Leasing and All Surface-Disturbing Activities.

² CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply to CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

Table B-3
Summary of Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
Soils					
<i>GS-CSU-4</i>	Erosive Soils on Slopes Greater than 30 Percent	•			
CRV-CSU-1	Slopes Greater than 30 Percent and/or Severe Erosion Hazard Soils		•	•	•
Water					
CRV-CSU-2	Hydrologic Features			•	
Vegetation					
<i>GS-CSU-2</i> CRV-CSU-3	Riparian/Wetland Vegetation Zones (500 feet beyond Outer Edge)	•	•	•	•
Wildlife					
CRV-CSU-4	State Wildlife Areas				•
CRV-CSU-5	Designated Prairie Dog Towns		•		•
Aquatic Wildlife/Fisheries					
CRV-CSU-6	Trout-bearing Streams				•
Special -Status Species					
<i>GS-CSU-3</i>	BLM Sensitive Species (including significant plant communities)	•			
CRV-CSU-7	Significant Plant Communities		•	•	•
CRV-CSU-8	Occupied Harrington's Penstemon Habitat outside ACECs		•		
CRV-CSU-9	BLM Sensitive Plant Occupied Habitat (<i>Includes Harrington's penstemon</i>)				•
CRV-CSU-13	Sage-grouse Habitat in the CRVFO		•	•	
CRV-CSU-14	Special Status Bat Species Roost Sites				•
CRV-CSU-15	Sensitive Amphibian Species (Great Basin Spadefoot, Boreal Toad, Northern Leopard Frog, Wood Frog)		•		•
Visual Resources					
<i>GS-CSU-5</i> CRV-CSU-16	VRM Class II	•	•	•	•
Recreation and Visitor Services					
CRV-CSU-17	Special Recreation Management Areas		•		•
CRV-CSU-18	Extensive Recreation Management Areas		•	•	
CRV-CSU-19	Developed Recreation Facilities and Trails		•	•	•
Coal					
<i>GS-CSU-1</i> CRV-CSU-20	Underground Coal Mines	•	•	•	•
Wilderness Study Areas (WSAs)					
CRV-CSU-22	WSAs if released from Wilderness Consideration		•	•	•

Table B-3
Summary of Controlled Surface Use (CSU) Stipulations Applicable to Fluid Minerals Leasing and All Surface-Disturbing Activities ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
	Wild and Scenic Rivers (WSRs)				
CRV-CSU-23	Suitable Stream Segments Classified as “Scenic” or “Recreational”		•	•	

¹ Details of these stipulations are provided in Table B-8, Controlled Surface Use (CSU) Stipulations Applicable to Fluid Minerals Leasing and All Surface-Disturbing Activities.

² CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

Table B-4
Summary of Timing Limitation (TL) Stipulations Applicable to Fluid Minerals Development and Other Surface-Disturbing Activities ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
	Fish and Wildlife				
<i>GS-TL-1</i> (<i>TL-CO-9</i>)	Big Game Winter Habitat	•			
CRV-TL-1	Big Game Winter Habitat		•	•	•
<i>GS-TL-2</i> CRV-TL-2	Big Game Birthing Areas	•	•	•	•
<i>GS-TL-6</i> (<i>TL CO-18</i>)	Raptors, not including Osprey	•			
CRV-TL-4	Raptors, General (species with 0.25-mile buffer, not including special status raptors)		•	•	•
<i>GS-TL-8</i> (<i>TL CO-20</i>)	Osprey	•			
CRV-TL-5	Raptors, General (species with 0.5-mile buffer, not including special status raptors)		•	•	•
<i>GS-TL-13</i>	Waterfowl and Shorebird Nesting and Production Areas (<i>three nesting and production areas identified</i>)	•			
CRV-TL-6	Waterfowl and Shorebird Nesting and Production Areas (<i>six nesting and production areas identified</i>)		•	•	•
	Aquatic Wildlife/Fisheries				
CRV-TL-7	Coldwater Sport and Native Fish (brown, brook, rainbow, and non-native cutthroat trout, and native fishes excluding special status- species (includes mountain whitefish, speckled dace, mottled sculpin, and Paiute sculpin)		•	•	•
	Special Status Species				
<i>GS-TL-10</i> (<i>TL CO-22</i>)	Bald Eagle Nest Site (0.25-mile buffer)	•			
<i>GS-TL-11</i> (<i>TL CO-23</i>)	Bald Eagle Winter Roost Site (0.5-mile buffer)	•			

Table B-4
Summary of Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
CRV-TL-8	Bald Eagle Nest Sites and Winter Roost Sites (<i>0.5-mile buffer</i>)		•	•	•
<i>(TL CO-21)</i>	Mexican Spotted Owl Nesting and Fledgling Habitat	•			
<i>GS-TL-9</i> CRV-TL-9	Mexican Spotted Owl Primary Activity Centers	•	•	•	•
<i>GS-TL-7</i>	Ferruginous Hawk Nesting and Fledgling Habitat (<i>1-mile buffer</i>)	•			
CRV-TL-10	Ferruginous Hawk Nesting and Fledgling Habitat (<i>0.5-mile buffer</i>)		•	•	•
<i>GS-TL-3</i>	Greater Sage-grouse Winter and Nesting Habitat (<i>Nesting habitat is within a 2-mile radius of an active lek</i>)	•			
CRV-TL-11	Greater Sage-grouse Winter and Nesting Habitat (<i>Nesting habitat is within a 4-mile radius of an active lek</i>)		•	•	•
<i>GS-TL-3</i> CRV-TL-12	Columbian Sharp-tailed Grouse Winter and Nesting Habitat	•	•	•	•
<i>GS-TL-12</i> <i>(TL CO-24)</i> CRV-TL-14	Peregrine Falcon Cliff-Nesting Complex	•	•	•	•
<i>GS-TL-4</i> <i>(TL CO-16)</i> CRV-TL-15	Greater Sandhill Crane	•	•	•	•
<i>GS-TL-5</i> <i>(TL CO-17)</i> CRV-TL-16	American White Pelican	•	•	•	•
CRV-TL-17	Special Status Bat Species Maternity and Hibernaculum Sites (Townsend's big-eared bat, fringed myotis, Yuma myotis, and big free-tailed bat)		•	•	•
CRV-TL-18	Waters Occupied by Special Status Cutthroat Trout Subspecies		•	•	
CRV-TL-19	Conservation and Core Conservation Populations of Cutthroat Trout Waters				•

¹ Details of these stipulations are provided in Table B-9, Timing Limitation (TL) Stipulations Applicable to Fluid Minerals Leasing and All Surface-Disturbing Activities.

² CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply to CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

Table B-5
Summary of Lease Notices (LN) Applicable to Leasing for Fluid Minerals ¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
	Vegetation				
<i>GS-LN-3</i> CRV-LN-1	Annual Reports of Reclamation Progress	•	•	•	•
	Wildlife				
<i>GS-LN-6</i> CRV-LN-2	Working in High-Value Wildlife Habitat	•	•	•	•
<i>GS-LN-5</i> CRV-LN-3	Working in Big Game Winter Range	•	•	•	•
	Special Status Species / Biological Inventories				
<i>LN CO-34</i>	Compliance with Endangered Species Act	•	•	•	•
<i>GS-LN-2</i> CRV-LN-4	Biological Inventories	•	•	•	•
<i>LN CO-30</i> CRV-LN-5	Nesting Grouse Species	•	•	•	•
	Paleontology				
<i>GS-LN-1</i> CRV-LN-6	Class 4 and Class 5 Paleontological Areas	•	•	•	•
	Visual Resources				
<i>GS-LN-10</i> CRV-LN-7	Sensitive Viewsheds	•	•	•	•
	Health and Safety				
<i>GS-LN-4</i> CRV-LN-8	Emergency Communications Plan	•	•	•	•
<i>GS-LN-7</i> CRV-LN-9	Working in Residential Areas	•	•	•	•
<i>GS-LN-9</i> CRV-LN-10	Project Rulison Monitoring	•	•	•	•

¹ Details of these stipulations are provided in Table B-10, Lease Notices (LN) Applicable to Oil and Gas Leasing.

² CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply to CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

Table B-6
Areas Closed to Leasing (CL) for Fluid Minerals (Oil and Gas, Coalbed Natural Gas, Oil Shale, Geothermal)

Type	Closure Designation (New) Protected Resource	Description of Closed Area	Alternative			
			A	B	C	D
Fish and Wildlife						
Closed to Leasing	CRV-CL-1 Core Wildlife Areas	Fluid minerals leasing would be prohibited on all Core Wildlife Areas. Core wildlife areas include the following areas: <ul style="list-style-type: none"> ○ Cottonwood/Eby Creek ○ Dry Rifle Creek ○ East Eagle ○ Fisher Creek ○ Hernage/Abrams Creeks ○ Horse Mountain ○ Light Hill ○ Main-West Elk Ridge ○ New Castle North ○ Old Man’s Gulch ○ Tenderfoot Mesa ○ The Crown ○ Thompson Creek - Holgate Mesa ○ West Elk Ridge ○ West Rifle Creek ○ Williams Hill ○ Winter Ridge- Deer Pen ○ Wolcott 			●	
Closed to Leasing	CRV-CL-2 State Wildlife Areas	Fluid minerals leasing would be prohibited on all State-owned Wildlife Areas.			●	
Lands with Wilderness Characteristics (LWCs)						
Closed to Leasing	CRV-CL-4 LWCs	Fluid minerals leasing would be prohibited within all LWCs, totaling 47,000 acres, managed to protect their wilderness character.			●	
Lands and Realty						
Closed to Leasing	CRV-CL-5 Lands within Municipal Boundaries	Fluid minerals leasing would be prohibited in all lands within municipal boundaries (22 acres).	●	●	●	●
Recreation and Visitor Services						
Closed to Leasing	CRV-CL-7 Upper Colorado River SRMA	Fluid minerals leasing would be prohibited in the Upper Colorado River SRMA (20,700 acres).		●	●	●

Table B-6
Areas Closed to Leasing (CL) for Fluid Minerals (Oil and Gas, Coalbed Natural Gas, Oil Shale, Geothermal)

Type	Closure Designation (New) Protected Resource	Description of Closed Area	Alternative			
			A	B	C	D
Areas of Critical Environmental Concern (ACECs)						
Closed to Leasing	Thompson Creek Natural Environment Area	Fluid minerals leasing would be prohibited in the Thompson Creek Natural Environment Area (a portion of the Thompson Creek ACEC) (960 acres).	•			
Closed to Leasing	CRV-CL-8 Deep Creek and Thompson Creek ACECs	Fluid minerals leasing would be prohibited in the following ACECs: <ul style="list-style-type: none"> ○ Deep Creek ACEC (2,400 acres) ○ Thompson Creek ACEC (3,400 acres) 		•	•	
Closed to Leasing	CRV-CL-9 Blue Hill and Bull Gulch ACECs	Fluid minerals leasing would be prohibited in the following ACECs: <ul style="list-style-type: none"> ○ Blue Hill ACEC (3,700 acres) ○ Bull Gulch ACEC (10,400 acres). 		•	•	•
Closed to Leasing	CRV-CL-10 Greater Sage-Grouse Habitat ACEC	Fluid minerals leasing would be prohibited in the Greater Sage-Grouse Habitat ACEC (24,600 acres)			•	
Wilderness Study Areas (WSAs)						
Closed to Leasing	CRV-CL-11 WSAs	Fluid minerals leasing would be prohibited in WSAs, including 27,700 acres of BLM-administered mineral estate in the following: <ul style="list-style-type: none"> ○ Bull Gulch WSA (15,200 acres) ○ Castle Peak WSA (12,200 acres) ○ Eagle Mountain (Maroon Bells Addition) WSA (320 acres) ○ Hack Lack (Flat Tops Addition) WSA (4 acres) 	•	•	•	•
Wild and Scenic Rivers (WSRs)						
Closed to Leasing	CRV-CL-12 Suitable Stream Segments	Fluid minerals leasing would be prohibited on all stream segments suitable for inclusion in the NWSRS.		•	•	

¹ CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Soils						
NSO	<p><i>GS-NSO-14</i> <i>(BLM 1999b)</i></p> <p>CRV-NSO-1</p> <p>Debris Flow Hazard Zones (CRVFO)</p> <p><i>6,100 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities for the protection of the Glenwood Springs debris flow.</p> <p>PURPOSE: To maintain soil stability and productivity and to minimize impacts of soil erosion within the Glenwood Springs debris flow.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, activity may be permitted by the Authorized Officer in consultation with the City of Glenwood Springs and Garfield County, provided that the applicant's proposal will produce only a negligible increase in the risk of debris flow.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•	•	•	•
NSO	<p><i>GS-NSO-15</i> <i>(BLM 1999b)</i></p> <p>Steep Slopes Greater than 50 Percent for Oil and Gas Facilities</p> <p><i>101,400 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities for fluid minerals facilities on slopes greater than 50 percent. This stipulation does not apply to pipelines.</p> <p>PURPOSE: To maintain site stability and site productivity.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, in the event the lessee demonstrates that operations can be conducted without causing unacceptable impacts and that less restrictive measures will protect the public interest, an exception may be approved by the Authorized Officer. A request for an exception must include an engineering and reclamation plan that provides a high level of certainty that such operations can be conducted consistent with the objectives of the Glenwood Springs Resource Area Reclamation Policy. All elements of the Erosive Soils and Steep Slope CSU would apply. In addition, the operator must provide sufficient onsite analysis of soil types, vegetation types, aspect, depth to bedrock, nature of subsurface materials, and potential for below ground seeps or springs. The lessee must also provide an evaluation of past practices on similar terrain and be able to demonstrate success under similar conditions. Previous success under similar conditions would</p>	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		be a critical element in the Authorized Officer's determination. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
NSO	CRV-NSO-2 Steep Slopes Greater than 50 Percent <i>101,400 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities on slopes greater than 50 percent to maintain site stability. PURPOSE: To maintain soil productivity and provide necessary protection to prevent excessive soil erosion on steep slopes. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•	•	•
Water						
NSO	<i>GS-NSO-3 (BLM 1999b)</i> CRV-NSO-3 Major River Corridors <i>42,300 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 0.5 mile of either side of the high water mark (bank-full stage) of six major rivers: Colorado, Roaring Fork, Crystal, Frying Pan, Eagle, and Piney. Note: The area north of Interstate 70 in the Naval Oil Shale Reserves Production Area is not included in this stipulation. PURPOSE: To protect these riverine and adjacent areas that provide (a) special status fish and wildlife species habitat, (b) important riparian values, (c) water quality/filtering values, (d) waterfowl and shorebird production values, (e) valuable amphibian habitat, and (f) high scenic and recreation values. Included in this area are public lands near the Eagle and Colorado Rivers designated as SRMAs in which BLM provides facilities to enhance recreation opportunities and maintain the recreational setting. EXCEPTION: Standard exceptions apply (Section B.3). In addition, the distance from the river may be reduced after the Authorized Officer has considered the habitat values and the species present, the topographical and vegetative characteristics of the area, and the type and amount of surface	•	•	•	•

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>disturbance proposed. For the Eagle and Colorado Rivers, additional exception criteria include measures to mitigate impacts on recreation: a) screening operations from scenic views, b) reducing drill rig and other equipment noise to an acceptable level, c) protecting the recreating public from operations, and d) restoring disturbed areas to a condition substantially unnoticeable to the casual observer.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
NSO	<p><i>GS-NSO-13</i> <i>(BLM 1999b)</i></p> <p>Domestic Watershed Areas</p> <p><i>5,400 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within watersheds providing domestic water.</p> <p>PURPOSE: To protect municipal watersheds providing domestic water for the communities of Rifle and New Castle.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, activity may be permitted if the Authorized Officer determines, in consultation with the communities of Rifle and New Castle, that the applicant’s proposal would produce only a negligible decrease in water quality.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•			
NSO	<p>CRV-NSO-4</p> <p>Designated Municipal Watershed Areas</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within municipal watersheds providing domestic water.</p> <p>PURPOSE: To protect municipal watersheds providing domestic water.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, activity may be permitted if the Authorized Officer determines, in consultation with the municipalities, that the applicant’s proposal would not cause a decrease in water quality.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p>		•	•	•

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹	Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
				A	B	C	D
			WAIVER: Standard waivers apply (Section B.3).				
NSO	CRV-NSO-5	Streamside Management Zones 34,500 Acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 50 feet from the ordinary high water mark of any hydrologic feature (i.e., ephemeral, intermittent, perennial channels, wetland, lake, fen, spring) as determined on a case-by-case basis by GIS and/or field tools. Distance is horizontal and independent of slope and topographic characteristics.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as Streamside Management Zones are lands adjacent to a waterbody where activities on land are likely to affect water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, an exception may be granted if the Authorized Officer determines that the activity will have insignificant impacts on water quality, channel stability, and aquatic organisms (e.g., properly designed stream crossing).</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	
Vegetation							
NSO	GS-NSO-2 (BLM 1999b)	Riparian and Wetland Zones 1,700 Acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within riparian vegetation.</p> <p>PURPOSE: To maintain the proper function of riparian zones from activities associated with fluid minerals exploration and development, including roads, transmission lines, and storage facilities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition: a) An exception may be granted if the Authorized Officer determines that the activity will cause no loss of riparian vegetation, or that the vegetation lost can be replaced within three to five years with vegetation of like species and age class; b) Within the riparian vegetation, an exception is permitted for stream crossings, if an area analysis indicates that no suitable alternative is available.</p> <p>MODIFICATION: Standard modifications apply (Section</p>	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		B.3). WAIVER: Standard waivers apply (Section B.3).				
NSO	CRV-NSO-6 Riparian and Wetland Zones <i>4,300 Acres</i>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within riparian vegetation.</p> <p>PURPOSE: To maintain the proper functioning and integrity of riparian and wetland resource.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, an exception may be granted on a case-by-case basis if the Authorized Officer determines that the surface-disturbing activity will not cause unacceptable adverse impacts to the riparian or wetland resource (i.e., a decline in condition as defined by RMP objectives) and meets one or more of the following:</p> <ul style="list-style-type: none"> (a) Will cause no loss of riparian vegetation. (b) Involves stream crossings (e.g., roads, fences or pipelines) where there is no practicable alternative (c) The purpose or the result of the activity would improve resource conditions (e.g., meet RMP resource objectives or achieve the standards for public land health). (d) Location of the activity within the riparian or wetland resource may be necessary to avoid unacceptable impacts to other resource values. <p>In situations where a surface-disturbing activity is excepted, the activity could be subject to additional conditions or approvals, reclamation measures, or best management practices. Measures applied will be based on the nature, extent, and values potentially affected by the surface-disturbing activity. Exceptions to allow surface-disturbing activities are granted on a one-time, case-by-case basis and do not create a precedent for subsequent approvals.</p> <p>MODIFICATION: Standard modifications apply (Section B.3). No fundamental changes to the provisions of the stipulation are authorized.</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>			•	

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹	Protected Resource	Acres/Miles Affected	Description of Stipulation	Alternative			
					A	B	C	D
Wildlife								
NSO	CRV-NSO-8	Core Wildlife Areas	57,600 Acres	<p>STIPULATION: Prohibit surface use, occupancy, and surface-disturbing activities on core wildlife areas. Core wildlife areas include the following areas:</p> <ul style="list-style-type: none"> ○ Cottonwood/Eby Creek ○ Dry Rifle Creek ○ East Eagle ○ Fisher Creek ○ Hernage/Abrams Creeks ○ Horse Mountain ○ Light Hill ○ Main-West Elk Ridge ○ New Castle North ○ Old Man's Gulch ○ Tenderfoot Mesa ○ The Crown ○ Thompson Creek - Holgate Mesa ○ West Elk Ridge ○ West Rifle Creek ○ Williams Hill ○ Winter Ridge- Deer Pen ○ Wolcott <p>PURPOSE: Core wildlife areas protect wildlife habitat that offers feeding, roosting, breeding, nesting, birthing, and security habitat for a variety of mammal, bird, and reptile species. They include the protection of blocks of sagebrush shrublands for sagebrush-dependent species and protection of migration corridors, severe winter areas, and big game winter concentration areas for elk and mule deer.</p> <p>EXCEPTION: Standard exceptions apply. Habitat and range improvements would be allowed. Surface use or occupancy or a surface-disturbing activity may be permitted if BLM determines that the requested activity would not impair values associated with core wildlife areas. In making this determination, BLM will consider the following resource factors: behavioral and ecological requirements of the species; type, amount, and duration of the surface disturbance; relative extent of available habitat; topography and vegetation screening;; type, location, duration, and intensity of potential</p>			●	●

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>adverse effects; mitigation and conservation measures to avoid, minimize, or offset the adverse effects; and other factors that may affect wildlife species or cause habitat to become unusable.</p> <p>The proponent of any surface use or occupancy or surface disturbing activity will provide an assessment with the proposal that (a) documents anticipated compliance or non-impairment of resource values protected by this stipulation and (b) considers the above mentioned resource factors.</p> <p>Approval of ground-disturbing activities granted in any given year may not constitute approval for subsequent years; in such cases, approval for such activities must be granted (or extended) annually by BLM.</p> <p>MODIFICATION: Standard modifications apply (see Section B.3).</p> <p>WAIVER: Standard waivers apply (see Section B.3).</p>				
NSO	<p><i>GS-NSO-11</i> <i>(BLM 1999b)</i></p> <p>Nine Wildlife Seclusion Areas</p> <p><i>25,600 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within nine seclusion areas that provide high wildlife value: Starkey Gulch, Riley Gulch, Crawford Gulch, Paradise Creek, Coal Ridge, Lower Garfield, Jackson Gulch, Bald Mountain, and Battlement Mesa.</p> <p>PURPOSE: To protect high-value seclusion areas.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, exceptions may be granted based on approval by the Authorized Officer of a mitigation plan that suitably addresses the wildlife seclusion values at risk. These areas provide several unique qualities such as an optimum mix of quality forage, cover, and water; proximity to natural migration corridors; birthing areas; topographic features that moderate severe winter conditions; and seclusion from human intrusion.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•			
NSO	<p><i>GS-NSO-4</i> <i>(BLM 1999b)</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in all Garfield Creek, Basalt, and West</p>	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
	Garfield Creek, Basalt, and West Rifle Creek State Wildlife Areas <i>7,500 Acres</i>	Rifle Creek State Wildlife Areas. PURPOSE: To protect wildlife habitat values for which these areas were acquired by the state, including crucial big game and upland game winter habitat and concentration areas and riparian values. EXCEPTION: Standard exceptions apply (Section B.3). In addition, exception criteria include special mitigation measures developed in consultation with CDOW. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
NSO	CRV-NSO-10 State Wildlife Areas <i>7,500 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities on all state-owned Wildlife Areas. PURPOSE: To protect wildlife habitat values for which these areas were acquired by the state, including crucial big game and upland game winter habitat and concentration areas and riparian values. EXCEPTION: No exceptions (including standard exceptions in Section B.3) are permitted. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•		
NSO	<i>GS-NSO-7</i> <i>[NSO CO-3]</i> <i>(BLM 1999b)</i> Raptors (including Osprey) <i>7,300 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 0.125 mile of a nest site of golden eagle, osprey, all accipiters, buteos, falcons (except kestrel), and owls. Raptors that are listed and protected by the Endangered Species Act are addressed separately. PURPOSE: To protect raptor habitat and nest sites. EXCEPTION: Standard exceptions apply (Section B.3). In addition, the NSO area may be altered depending on the active status of the nest site or the geographical relationship to the nest site of topographic barriers and vegetation screening. MODIFICATION: Standard modifications apply (Section B.3).	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		WAIVER: Standard waivers apply (Section B.3).				
NSO	CRV-NSO-12 Raptors (General, not including special status raptors) <i>7,300 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a buffer zone centered on a nest site. Buffer widths are 0.25 mile for golden eagle, Cooper’s hawk, sharp-shinned hawk, red-tailed hawk, Swainson’s hawk, and owls and 0.5 mile for prairie falcon and northern goshawk. Does not apply to turkey vulture, northern harrier, or American kestrel. Special status raptors are addressed separately. PURPOSE: To protect raptor habitat and nest sites. EXCEPTION: Standard exceptions apply (Section B.3). In addition, the NSO area may be altered depending on the active status of the nest site or the geographical relationship to the nest site of topographic or vegetation screening. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•	•	•
NSO	<i>GS-NSO-7</i> <i>[NSO CO-7]</i> CRV-NSO-14 Waterfowl and Shorebird Habitat and Heron Rookeries	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within significant production areas as mapped by CDOW. PURPOSE: To protect waterfowl and shorebird habitat and rookeries. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	•	•	•	•
Aquatic Wildlife and Fisheries						
NSO	CRV-NSO-15 Fish-bearing Streams <i>18,400 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 100 meters (328 feet) of all fish-bearing streams. On streams where the riparian corridor width is greater than 100 meters (328 feet) from the stream edge, prohibit surface occupancy and surface-disturbing activities within the riparian zone.		•		

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>PURPOSE: To protect fish.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, in-channel restoration or enhancement work designed to improve stream habitat conditions, riparian plantings, temporary disturbances of less than 0.1 acre, actions requiring a 404 Permit from the US Army Corps of Engineers with subsequent mitigation and BMPs are implemented.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
NSO	<p>CRV-NSO-16</p> <p>Perennial Waters</p> <p><i>27,900 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 100 meters (328 feet) of perennial waters. On perennial waters where the riparian corridor width is greater than 100 meters (328 feet) from the stream edge, prohibit surface occupancy and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect riparian corridors and perennial waterways.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, in-channel restoration or enhancement work designed to improve stream habitat conditions, riparian plantings, temporary disturbances of less than 0.1 acre, actions requiring a 404 Permit from the US Army Corps of Engineers with subsequent mitigation and BMPs are implemented.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>			•	
NSO	<p><i>GS-NSO-5 (BLM 1999b)</i></p> <p>Rifle Falls and Glenwood Springs Fish Hatcheries</p> <p><i>12,400 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 2-mile radius of the hatcheries.</p> <p>PURPOSE: To protect the quality and quantity of surface water and underground aquifers supplying the Rifle Falls and Glenwood Springs Fish Hatcheries (CRVFO).</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, exception criteria include special mitigation measures developed in consultation with the Colorado Division of</p>	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		Wildlife. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
NSO	CRV-NSO-17 Fish Hatcheries <i>12,400 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within the watershed upstream of fish hatcheries. Existing hatcheries include Rifle Falls (CRVFO) and Glenwood Springs (CRVFO) State Fish Hatcheries. PURPOSE: To protect the quality and quantity of surface water and underground aquifers supplying the hatcheries. EXCEPTION: No exceptions (including standard exceptions in Section B.3) are permitted. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•	•	•
Special Status Species – Plants and Wildlife						
NSO	<i>GS-NSO-12</i> <i>(BLM 1999b)</i> Threatened, Endangered, Proposed, and Candidate Species <i>6,000 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in habitat areas for species listed by the federal or state government as endangered or threatened, and for federal proposed or candidate species. Habitat areas include occupied habitat and habitat necessary for the maintenance or recovery of the species. PURPOSE: To protect habitat that is important for maintenance or recovery of the species. EXCEPTION: Standard exceptions apply (Section B.3). In addition, surface occupancy may be authorized, pending Section 7 consultation with USFWS for federal threatened or endangered species or with CDOW for state-listed species. The Authorized Officer will consider the type and amount of surface disturbance, plant frequency and density, relative abundance of habitat, species and location, topography, and other related factors. MODIFICATION: Standard modifications apply (Section B.3).	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		WAIVER: Standard waivers apply (Section B.3).				
Special Status Species – Plants						
NSO	GS-NSO-8 [NSO CO-8] (BLM 1991a) Threatened, Endangered, Proposed, and Candidate Plant Species	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in habitat areas containing special status plant species (including federally listed, proposed, and candidate species.) PURPOSE: To protect special status plant species. EXCEPTION: Standard exceptions apply (Section B.3). In addition, an exception for special status plant species habitat may be granted for a portion of the NSO area based on a site-specific impact analysis of the type and amount of surface disturbance, plant frequency and density, relocation of proposed disturbances, or other factors. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	•			
NSO	CRV-NSO-18 Threatened, Endangered, Proposed, and Candidate Plant Species Current and Historically Occupied Habitat <i>1,200 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 200-meter (656-foot) buffer around current and historically occupied habitat for federally listed, proposed, or candidate threatened or endangered plant species. PURPOSE: To protect threatened, endangered, proposed, and candidate plants from direct and indirect impacts or loss of immediately adjacent suitable habitat. EXCEPTION: Standard exceptions apply (Section B.3). MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•		•
NSO	CRV-NSO-19 Threatened, Endangered, Proposed, Candidate, and BLM Sensitive	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 200-meter (656-foot) buffer around current or historically occupied habitat for federally listed, proposed, or candidate threatened or endangered plant species or BLM sensitive plant species. PURPOSE: To protect threatened, endangered, proposed, candidate, and BLM sensitive plants from direct and indirect			•	

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
	<p>Plant Species Current and Historically Occupied Habitat</p> <p><i>28,300 Acres</i></p>	<p>impacts or loss of immediately adjacent suitable habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, prohibit surface occupancy and surface-disturbing activities within the 200-meter (656-foot) buffer around current or historically occupied habitat for threatened, endangered, proposed, candidate, or BLM sensitive plant species unless all of the following conditions are met:</p> <ol style="list-style-type: none"> 1) Section 7 consultation with USFWS on federally listed or proposed threatened or endangered species has been completed 2) Valid current surveys for protected species have been completed. 3) Mitigation has been applied to avoid adverse impacts to protected species. 4) The proposed disturbance would occur in unsuitable habitat. <p>Other surface-disturbing activities may be allowed in suitable habitat if conditions 1 through 3 above are met, and the purpose or the result of the activity would improve habitat conditions for the protected species.</p> <p>In addition to the exception criteria above, exceptions may be granted for activities in Harrington’s penstemon habitat outside ACECs where no other feasible alternatives are available, and losses of population numbers comprise less than 5 percent of total population present in the action area.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
NSO	<p>CRV-NSO-20</p> <p>Sensitive Plant Occupied Habitat</p> <p><i>1,600 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 100-meter (328-foot) buffer around occupied BLM sensitive species habitat. Outside ACECs, this NSO will not apply to Harrington’s penstemon habitat.</p> <p>PURPOSE: To protect core populations of Harrington’s penstemon within ACECs and to protect occupied habitat of other BLM sensitive plant species.</p>		•		

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>EXCEPTION: Standard exceptions apply (Section B.3).</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
NSO	<p>CRV-NSO-22</p> <p>DeBeque Phacelia Suitable Habitat</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within suitable habitat for DeBeque phacelia.</p> <p>PURPOSE: To protect the rare annual plant DeBeque phacelia, which may not germinate every year.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, prohibit surface occupancy and surface-disturbing activities within suitable habitat for DeBeque phacelia unless absence is demonstrated in the following way: Known DeBeque phacelia sites near the project area should be monitored by a qualified botanist during the flowering period (as determined by best available science) each year. If DeBeque phacelia is located at three nearby known sites in a given year, that year will be deemed a “reliable year.” If DeBeque phacelia is not detected at the suitable habitat to be impacted during a reliable year, an exception to the NSO may be granted for that site and that year.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•
Special Status Species – Wildlife and Fish						
NSO	<p><i>GS-NSO-6</i> <i>[NSO CO-2]</i> <i>(BLM 1999b)</i></p> <p>Grouse Leks</p> <p><i>2,600 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.25-mile radius of a lek site (courtship area). Grouse species within the CRVFO area include greater sage-grouse and Columbian sharp-tailed grouse, and lesser and greater prairie chickens.</p> <p>PURPOSE: To protect greater sage-grouse and Columbian sharp-tailed grouse leks.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, the NSO area may be altered depending upon the active status of the lek or the geographical relationship of</p>	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		topographical barriers and vegetation screening to the lek site. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
NSO	CRV-NSO-23 Greater Sage-grouse Leaks <i>4,400 Acres</i>	STIPULATION: Prohibit surface use, occupancy, and surface-disturbing activities within a 0.6-mile radius of an active or historic (used within the last 10 years) lek. PURPOSE: To protect active greater sage-grouse leks. EXCEPTION: Standard exceptions apply (see Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (see Section B.3). WAIVER: Standard waivers apply (see Section B.3).		•	•	•
NSO	CRV-NSO-24 Active Columbian Sharp-tailed Grouse Leaks	STIPULATION: Prohibit surface use, occupancy, and surface-disturbing activities within a 0.4-mile radius of an active lek (used within the last 10 years). PURPOSE: To protect active Columbian sharp-tailed grouse leks. EXCEPTION: Standard exceptions apply (see Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (see Section B.3). WAIVER: Standard waivers apply (see Section B.3).		•		•
NSO	CRV-NSO-25 Known Columbian Sharp-tailed Grouse Leaks	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.4-mile radius of a known (historic or active) lek. PURPOSE: To protect known (historic or active) Columbian sharp-tailed grouse leks. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3).			•	

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		WAIVER: Standard waivers apply (Section B.3).				
NSO	GS-NSO-8 [NSO CO-4] (BLM 1999b) CRV-NSO-26 Bald Eagle Roost or Nest Site 410 Acres	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.25-mile radius of the roost or nest site. PURPOSE: To protect bald eagle roosts and nest sites. EXCEPTION: Standard exceptions apply (Section B.3). In addition, for roost sites, the NSO applies to the essential features of the winter roost complex. The NSO area may be altered, depending on the active status of the roost or the geographical relationship of topographic barriers and vegetation screening to the roost site. There are no exceptions currently identified for nest sites. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	•	•	•	•
NSO	GS-NSO-9 [NSO CO-5] (BLM 1999b) CRV-NSO-27 Peregrine Falcon Cliff-Nesting Complex 190 Acres	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5 -mile radius of a cliff-nesting complex. PURPOSE: To protect peregrine falcon nest sites. EXCEPTION: Standard exceptions apply (Section B.3) MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	•	•	•	•
NSO	GS-NSO-10 [NSO CO-6] (BLM 1999b) CRV-NSO-28 Mexican Spotted Owl	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile radius of a roost or nest site. PURPOSE: To protect Mexican spotted owl roosts and nest sites. EXCEPTION: Standard exceptions apply (Section B.3). In addition, after Section 7 consultation with USFWS, exceptions may be permitted. MODIFICATION: Standard modifications apply (Section B.3).	•	•	•	•

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		WAIVER: Standard waivers apply (Section B.3).				
NSO	<i>GS-NSO-7</i> <i>[NSO CO-19]</i> <i>(BLM 1999b)</i> Ferruginous Hawk Nesting and Fledgling Habitat	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.125-mile radius of a nest site. PURPOSE: To protect ferruginous hawk nesting and fledgling habitat during usage and to avoid nest abandonment. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	●			
NSO	CRV-NSO-29 Ferruginous Hawk Nesting and Fledgling Habitat	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile radius of a nest site. PURPOSE: To protect ferruginous hawk nesting and fledgling habitat during usage and to avoid nest abandonment. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		●	●	●
NSO	CRV-NSO-30 Special Status Bat Species Roost Sites <i>450 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.25-mile radius of Townsend’s big-eared bat, fringed myotis, and special status bat species roost sites. PURPOSE: To protect bat roost sites. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		●	●	
NSO	CRV-NSO-31 Conservation and Core Conservation	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 100 meters (328 feet) of streams containing conservation and core conservation populations of Colorado River cutthroat trout. Where the riparian corridor				●

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
	<p>Populations of Colorado River Cutthroat Trout</p> <p><i>1,500 Acres</i></p>	<p>width is greater than 100 meters from the stream, prohibit surface occupancy and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect conservation and core conservation populations of Colorado River cutthroat trout.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, in-channel restoration work designed to improve stream habitat conditions, riparian plantings, temporary disturbances of less than 0.1 acre, actions requiring a Section 404 permit from the US Army Corps of Engineers with subsequent mitigation and BMPs are implemented.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
NSO	<p>CRV-NSO-32</p> <p>Endangered Big-River Fishes (Colorado Pikeminnow, Razorback Sucker, Humpback Chub, Bonytail Chub)</p> <p><i>90 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 100 meters (328 feet) of the mapped 100-year floodplain on the Colorado River from Glenwood Springs downstream to the CRVFO terminus. On streams where the riparian corridor width is greater than 100 meters (328 feet) beyond the 100-year floodplain, prohibit surface occupancy and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect designated critical habitat of special status species big river fish (Colorado pikeminnow, razorback sucker, bonytail chub, humpback chub) and water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, in-channel restoration work designed to improve stream habitat conditions, riparian plantings, temporary disturbances of less than 0.1 acre, and actions requiring a Section 404 permit from the US Army Corps of Engineers with subsequent mitigation.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
NSO	<p>CRV-NSO-33</p> <p>Sensitive Big-River Fishes (Flannemouth Sucker, Bluehead Sucker, Roundtail Chub)</p> <p><i>4,800 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 100 meters (328 feet) of all occupied or seasonally occupied tributary streams for flannemouth sucker, bluehead sucker, and roundtail chub. On streams where the riparian corridor width is greater than 100 meters (328 feet) from stream edge, prohibit surface occupancy and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect flannemouth sucker, bluehead sucker, and roundtail chub.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, in-channel restoration work designed to improve stream habitat conditions, riparian plantings, temporary disturbances of less than 0.1 acre, and actions requiring a Section 404 permit from the US Army Corps of Engineers with subsequent mitigation.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•
NSO	<p>CRV-NSO-34</p> <p>Sensitive Amphibians (Boreal Toad, Northern Leopard Frog, Wood Frog)</p> <p><i>3,800 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 800 meters (0.5-mile) of identified breeding sites for amphibian listed as BLM sensitive species.</p> <p>PURPOSE: To protect the boreal toad, northern leopard frog, and wood frog.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>			•	
Cultural Resources						
NSO	<p>CRV-NSO-37</p> <p>Heritage Areas (Traditional Cultural Properties)</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 0.25 mile of heritage areas.</p> <p>PURPOSE: To protect the integrity of place, setting, and/or feeling.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). The</p>		•	•	•

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		heritage area protection boundary may be modified on a case-by-case basis taking into account topographical barriers, existing disturbances, the nature of the proposed action, and the nature of the heritage area. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
NSO	(BLM 2008f) CRV-NSO-38 Historic Properties (100 meters [328 feet])	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 100 meters (328 feet) of historic properties. PURPOSE: To protect historic properties. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	•			•
	CRV-NSO-39 Historic Properties (200 meters [656 feet])	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 200 meters (656 feet) of historic properties. PURPOSE: To protect historic properties. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•	•	
Visual Resources						
NSO	<i>GS-NSO-18</i> (BLM 1999b) Interstate 70 Viewshed <i>9,500 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities on slopes over 30 percent with high visual sensitivity in the Interstate 70 viewshed. PURPOSE: Lands with high visual sensitivity are those lands within 5 miles of Interstate 70, of moderate to high visual exposure, where details of vegetation and landform are readily discernible and changes in visual contrast can be easily noticed	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>by the casual observer on the interstate.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, exceptions may be granted if protective measures can be designed to accomplish VRM Class II objectives, namely that the overall landscape character would be retained. Such measures would be designed to blend the disturbance in with the natural landscape. BLM acknowledges that activities on private lands alter the landscape character and affect the visual quality of the overall landscape. Such modifications to the overall landscape character will be considered when evaluating mitigation proposals.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
NSO	<p>CRV-NSO-41</p> <p>VRM Class II Areas with Slopes over 30 percent and High Visual Sensitivity</p> <p><i>Alternative B = 93,100 Acres</i></p> <p><i>Alternative C = 94,400 Acres</i></p> <p><i>Alternative D = 80,500 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in VRM Class II areas with slopes over 30 percent and high visual sensitivity. Lands with high visual sensitivity are those lands within 5 miles of the sensitive viewshed corridors of moderate to high visual exposure, where details of vegetation and landform are readily discernible, and changes in visual contrast can be easily noticed by the casual observer.</p> <p>PURPOSE: To preserve the visual setting and visual integrity.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, an exception could be granted if a viewshed analysis indicates no impairment of the visual resources from the driving corridor.</p> <p>MODIFICATION: Standard modifications apply (Section B.3). In addition, the boundaries of the stipulated area may be modified if the VRM Class boundaries are modified.</p> <p>WAIVER: Standard waivers apply (Section B.3). In addition, this stipulation may be waived if the area is no longer designated as VRM Class II.</p>		•	•	•
NSO	<p>CRV-NSO-42</p> <p>VRM Class I</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within areas designated VRM Class I.</p> <p>PURPOSE: The objective of this class is to preserve the</p>		•	•	•

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
	Areas <i>35,600 Acres</i>	existing character of the landscape. This class provides for natural ecological changes; however, it does not preclude very limited management activity. The level of change to the characteristic landscape should be very low and must not attract attention (Manual H-8410-1, Visual Resource Inventory). EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). In addition, the boundaries of the stipulated area may be modified if the VRM Class I boundaries are modified. WAIVER: Standard waivers apply (Section B.3). In addition, this stipulation may be waived if the area is no longer designated as VRM Class I.				
Lands with Wilderness Characteristics (LWCs)						
NSO	CRV-NSO-43 LWCs <i>47,000 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities on LWCs outside WSAs. PURPOSE: To protect wilderness characteristics. EXCEPTION: Standard exceptions apply (Section B.3). In addition, an exception could be authorized if the surface-disturbing activity is consistent and compatible with protecting wilderness characteristics. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).			•	
Cave and Karst Resources						
NSO	<i>GS-NSO-16</i> <i>(BLM 1999b)</i> CRV-NSO-54 Deep Creek Cave Area <i>5,100 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the Deep Creek Cave Area (includes no subsurface occupancy for 5,000 feet below the surface). The area encompasses the cave openings, subsurface features, and watersheds immediately above the caves and extending northward to the BLM boundary. PURPOSE: To protect the scientific and wildlife values provided by these caves. EXCEPTION: Standard exceptions apply (Section B.3). No	•		•	

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
NSO	CRV-NSO-44 Cave and Karst Occurrence Area <i>680 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 40-acre area at each of 17 known cave and karst resources (includes no subsurface occupancy for 5,000 feet below the surface). The NSO area encompasses the cave opening and associated subsurface features and the immediately overlying watershed. PURPOSE: To protect the scientific and wildlife values associated with cave openings provided by these caves and to avoid the difficulties inherent in drilling such locations. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•	•	•
Recreation and Visitor Services						
NSO	<i>GS-NSO-16</i> (BLM 1999b) CRV-NSO-45 Rifle Mountain Park <i>450 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in Rifle Mountain Park. PURPOSE: To protect the recreational setting, recreation opportunities, and recreation facilities. EXCEPTION: No exceptions (including standard exceptions in Section B.3) are permitted. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	•	•	•	•
NSO	<i>GS-NSO-16</i> (BLM 1999b) Special Recreation Management Areas (SRMAs),	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the following: <ul style="list-style-type: none"> ○ Bull Gulch ACEC/SRMA ○ Deep Creek ACEC/SRMA ○ Deep Creek Cave Area (extends to 5,000 feet below the surface) 	•			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
	Deep Creek Cave, and ACECs <i>22,300 Acres</i>	<ul style="list-style-type: none"> ○ Hack Lake SRMA ○ Thompson Creek ACEC/SRMA <p>PURPOSE: To protect the recreational setting, recreation opportunities, and recreation facilities provided within the SRMAs.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
NSO	<i>GS-NSO-17 (BLM 1999b)</i> Recreation Management Areas <i>64,100 Acres</i>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the following:</p> <ul style="list-style-type: none"> ○ King Mountain Area ○ Siloam Springs Area ○ Castle Peak Area ○ Bull Gulch Area (the portion of the Bull Gulch WSA not within the Bull Gulch SRMA) ○ Sunlight Peak Area ○ Haff Ranch portion of Fisher Creek Area ○ King Creek Area (840 acres on the north side of King Mountain) ○ Pisgah Mountain Area. <p>PURPOSE: To protect non-motorized recreation opportunities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, no exceptions are permitted in: King Mountain Area, Siloam Springs Area, Castle Peak Area, Bull Gulch Area (the portion of the Bull Gulch WSA not within the Bull Gulch SRMA), Sunlight Peak Area, and Fisher Creek Area (Haff Ranch). Exceptions: For the Pisgah Mountain Area, oil and gas drilling and maintenance operations on designated BLM Roads 8530, 8536, and 8585 will be permitted, because these roads are open to motorized public use. For the King Creek Area, use of the two roads previously authorized for motorized use by adjacent landowners will be permitted. These exceptions are available provided well pads and associated facilities could be located within 100 yards of the</p>	●			

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>designated (Pisgah Mountain Area) or previously authorized (King Creek Area) roads. Certain timing restrictions consistent with current travel management regulations for the affected areas will also be necessary so that operations would not substantially affect the non-motorized recreation values in the area. Note: Non-motorized recreation opportunities are those experiences where the visitor can generally expect to see fewer people, because the access is more difficult or challenging, and enjoy a mostly natural setting with a higher degree of solitude and tranquility. BLM's overall management goal for the identified areas is to maintain the non-motorized recreation opportunities. Non-motorized recreation opportunities are not exclusive of other uses; however, when other uses with the potential to conflict with these opportunities are being considered, the impact to the non-motorized recreation opportunities will be evaluated.</p> <p>Multiple use consistent with the CRVFO RMP will be accommodated to the extent that such use has minimal impact on the non-motorized recreation opportunities.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
NSO	<p>CRV-NSO-46</p> <p>Special Recreation Management Areas</p> <p><i>Alternative B = 49,600 Acres</i></p> <p><i>Alternative C = 23,800 Acres</i></p> <p><i>Alternative D = 27,100 Acres</i></p>	<p>STIPULATION: Prohibit surface use, occupancy, and surface-disturbing activities in SRMAs. This includes:</p> <p><u>Alternative B:</u></p> <ul style="list-style-type: none"> ○ The Crown ○ Hack Lake ○ King Mountain ○ Red Hill ○ Upper Colorado River <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> ○ Red Hill ○ Upper Colorado River <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> ○ Same as Alternative C 		•	•	•

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>PURPOSE: To (1) protect the prescribed physical, social, and operational recreational setting characteristics; (2) achieve the targeted recreation opportunities (including recreational activities, experiences, and outcomes); and (3) address visitor health/safety issues and use/user conflicts.</p> <p>EXCEPTION: Standard exceptions apply to non-recreational activities. This stipulation does not apply to surface use, occupancy and surface disturbing activities (e.g., facilities, trails, events if permitted) performed by the recreation and visitor services program to achieve outcome objective, enhance the targeted recreation opportunities, or retain/enhance the physical, social, or operational recreation setting characteristics of the SRMA. Surface use or occupancy or a surface-disturbing activity may be permitted if BLM Authorized Officer determines that the requested activity would not impair (1) the prescribed physical, social, and operational recreational setting characteristics; (2) the targeted recreation opportunities (including recreational activities, experiences and benefits); and (3) visitor health and safety; within SRMAs. In making this determination, BLM will consider the following resource factors: type, amount, and duration of the surface disturbance; relative extent proposal; topography and vegetation screening; type, location, duration, and intensity of potential adverse effects; and mitigation measures to avoid, minimize, or offset the adverse effects.</p> <p>MODIFICATION: Standard modifications apply (see Section B.3).</p> <p>WAIVER: Standard waivers apply (see Section B.3).</p>				
	Coal					
NSO	<i>GS-NSO-1</i> (BLM 1999b) CRV-NSO-47 Surface Coal Mines	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within the area of an approved surface coal mine.</p> <p>PURPOSE: To conserve natural resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, this stipulation may be waived without a plan amendment if the lessee agrees that any well approved for drilling will be plugged below the coal when the crest of the highwall approaches within 500 feet of the well, and that the</p>	•	•	•	•

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		well will be re-entered or re-drilled after completion of mining operations through the well location. A suspension of operations and production will be considered when the well is plugged and a new well is to be drilled after mining operations move through the location. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
Areas of Critical Environmental Concern (ACECs)						
NSO	<p><i>GS-NSO-16</i> <i>(BLM 1999b)</i></p> <p>CRV-NSO-49</p> <p>ACECs</p> <p><i>Alternative A =</i> <i>23,200 Acres</i></p> <p><i>Alternative B =</i> <i>28,400 Acres</i></p> <p><i>Alternative C =</i> <i>67,200 Acres</i></p> <p><i>Alternative D =</i> <i>20,200 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the following ACECs:</p> <p><u>Alternatives A:</u></p> <ul style="list-style-type: none"> ○ Bull Gulch ○ Deep Creek ○ Glenwood Springs Debris Flow Hazard Zones ○ Thompson Creek (formerly Natural Environment Area). <p><u>Alternative B:</u> Same as Alternative A, plus:</p> <ul style="list-style-type: none"> ○ Blue Hill ○ Dotsero Crater and NSO-20 around occupied Rare Plant Habitat within the following ACECs: ○ Hardscrabble-Mayer Gulch ○ Lyons Gulch ○ Sheep Creek Uplands <p><u>Alternative C:</u> Same as Alternative B, plus:</p> <ul style="list-style-type: none"> ○ Abrams Creek ○ Colorado River Seeps ○ Grand Hogback ○ Greater Sage-grouse Habitat ○ McCoy Fan Delta <p>Within the following ACECs, NSO-19 only around occupied Rare Plant Habitat:</p> <ul style="list-style-type: none"> ○ Hardscrabble-Mayer Gulch/East Eagle ○ Lyons Gulch ○ Mount Logan Foothills ○ Sheep Creek Uplands 	●	●	●	●

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<ul style="list-style-type: none"> ○ The Crown Ridge <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> ○ Blue Hill ○ Bull Gulch ○ Glenwood Springs Debris Flow Hazard Zones <p>PURPOSE: To protect the relevant and important values for which the ACEC was established.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
Wilderness Study Areas (WSAs)						
NSO	<p><i>GS-NSO-27,7242</i></p> <p>CRV-NSO-50</p> <p>Wilderness Study Areas</p> <p><i>36,700 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in all WSAs. All WSAs are closed to fluid minerals leasing.</p> <p>PURPOSE: To preserve wilderness characteristics in WSAs in accordance with non-impairment standards as defined by Interim Management Policy for land under wilderness review (BLM Manual H-8550-1).</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, the Authorized Officer may grant an exception if an environmental analysis of a proposed action reveals that wilderness values would not be impacted, or that impacts could be adequately mitigated (see BLM H-8550-1).</p> <p>MODIFICATION: Standard modifications apply (Section B.3). In addition, the stipulation may be modified if the WSA boundary is modified by Congress.</p> <p>WAIVER: Standard waivers apply (Section B.3). In addition, the stipulation may be waived if the WSA is released by Congress for multiple uses.</p>	●	●	●	●

**Table B-7
No Surface Use (NSO) Stipulations Applicable to
Fluid Minerals Leasing and All Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Wild and Scenic Rivers (WSRs)						
NSO	CRV-NSO-51 Suitable Stream Segments Classified as "Wild" <i>1,200 Acres</i>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 0.25-mile of either side of the active river channel.</p> <p>PURPOSE: To protect the outstanding remarkable values (ORV), water quality, and the free-flowing nature and recommended classification of suitable segments.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: The boundaries of the stipulated area may be modified if the suitable segment boundaries are modified.</p> <p>WAIVER: Until interim protection is changed by Congress.</p>		•	•	

¹ CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply to CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Soils						
CSU	<p><i>GS-CSU-4</i> <i>(BLM 1999b)</i></p> <p>Erosive Soils on Slopes Greater than 30 Percent</p> <p><i>172,300 Acres</i></p>	<p>STIPULATION: Require special design, construction, operation, and reclamation measures to limit the amount of surface disturbance, to reduce erosion potential, to maintain site stability and productivity, and to insure successful reclamation in identified areas of highly erosive soils and on slopes greater than 30 percent. Highly erosive soils are soils in the “severe” and “very severe” erosion classes based on NRCS Erosion Condition mapping. Areas identified in the RMP as Erosion Hazard Areas and Water Quality Management Areas are also included in this stipulation. Implementation may include relocation of operations beyond 200 meters (656 feet).</p> <p>The surface use plan of the application for permit to drill submitted for wells on erosive soils or slopes greater than 30 percent must include specific measures to comply with the Glenwood Springs Resource Area Reclamation Policy, such as stabilizing the site to prevent settling, land sliding, slumping, and highwall degradation, and controlling erosion to protect the site and adjacent areas from accelerated erosion and sedimentation and siltation of nearby water sources.</p> <p>Specific performance objectives for the plan include:</p> <ul style="list-style-type: none"> ○ Limiting total disturbance to 3.0 acres for the well pad. ○ Limiting the interim <i>in use</i> area to 0.5 acre. ○ Maximizing the area of interim reclamation that is shaped to a grade of 3:1 or less; any planned highwall must be demonstrated to be safe and stable and include enhanced reclamation and erosion prevention measures, as needed. <p>The operator must also provide an evaluation of the site’s reclamation potential based on problematic characteristics of the site (slope, aspect, vegetation, depth of soils, soil salinity, and alkali content) and a comparison of the site with comparable sites already constructed. When the proposed site is comparable to sites where reclamation has not been successful, the operator will be required to make</p>				

**Table B-8
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Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>adjustments to reclamation techniques. Special measures might include locating production facilities offsite; building roads to higher standards, including surfacing; constructing sediment catchments; reclaiming the reserve pit immediately after use; and applying fertilizers, mulches, soil additives, and geotextile fabrics. The Authorized Officer will evaluate plans submitted by the operator and approve a design and any special measures that best accomplish the performance objectives, achieving a reasonable balance of site stability and revegetation potential, and minimizing overall disturbance.</p> <p>PURPOSE: To reduce erosion potential, maintain site stability and productivity, and insure successful reclamation in identified areas of highly erosive soils and on slopes greater than 30 percent.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
CSU	<p>CRV-CSU-1</p> <p>Slopes Greater than 30 Percent and/or Soils with Severe Erosion Hazard</p> <p><i>173,400 Acres</i></p>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions on areas steeper than 30 percent and/or soils with severe erosion hazard as mapped by the NRCS.</p> <p>PURPOSE: To reduce erosion potential, maintain site stability and productivity, and insure successful reclamation in identified areas having soils with severe erosion hazard and/or with slopes greater than 30 percent.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Water						
CSU	<p>CRV-CSU-2</p> <p>Hydrologic Features</p> <p><i>69,000 Acres</i></p>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 100 feet of the edge of a hydrologic feature as determined on a case-by-case basis by GIS and/or field tools. For CRVFO, hydrologic features include ephemeral, intermittent, and perennial channels; wetlands; lakes; fens; and springs.</p> <p>PURPOSE: To protect water quality and aquatic values and to prevent channel degradation.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>			•	
Vegetation						
CSU	<p><i>GS-CSU-2</i> <i>(BLM 1999b)</i></p> <p>CRV-CSU-3</p> <p>Riparian/Wetland Vegetation Zones (500 feet of Outer Edge)</p> <p><i>50,100 Acres</i></p>	<p>STIPULATION: Within the riparian/wetland area and within 500 feet of the riparian or wetland vegetation, surface-disturbing activities may require special design, construction, and implementation measures, including relocation of operations beyond 200 meters (656 feet). The actual required measures will be based on the purpose, nature, and extent of the disturbance, the affected wetland/riparian area and values, and the feasibility of relocating the project.</p> <p>PURPOSE: To protect the values and functions of the riparian and wetland zones.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•	•	•	•

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Wildlife						
CSU	CRV-CSU-4 State Wildlife Areas <i>7,500 Acres</i>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities on all state-owned Wildlife Areas.</p> <p>PURPOSE: To protect wildlife habitat values for which these areas were acquired by the state, including crucial big game and upland gamebird winter habitat, winter concentration areas, and riparian values.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				•
Aquatic Wildlife and Fisheries						
CSU	CRV-CSU-6 Trout-Bearing Streams <i>17,500 Acres</i>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 100 meters (328 feet) of all trout-bearing streams, except those native cutthroat streams identified as Conservation and Core Conservation Populations of Colorado River cutthroat trout and greenback cutthroat trout. On streams where riparian corridor width is greater than 100 meters (328 feet) from stream edge, special design, construction, or implementation measures, including relocation of operations beyond 200 meters (656 feet) may be required.</p> <p>PURPOSE: To protect trout.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, in-channel restoration or enhancement work designed to improve stream habitat conditions, riparian plantings, temporary disturbances of less than 0.1-acre, actions requiring a 404 Permit from the US Army Corps of Engineers with subsequent mitigation, and areas where slope is less than 15 percent and BMPs are implemented.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				•

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Special Status Species						
CSU	<p><i>GS-CSU-3</i> (BLM 1999b)</p> <p>Species Listed as Sensitive by BLM (including significant plant communities)</p> <p><i>144,700 Acres</i></p>	<p>STIPULATION: For species listed as sensitive by BLM and for significant natural plant communities, special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required. For plants, habitat areas include occupied habitat and habitat necessary for the maintenance or recovery of the species or communities. (This applies to all sensitive wildlife, fish, and plant species and all significant natural plant communities.)</p> <p>PURPOSE: To protect BLM sensitive species and their habitat needs.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•			
CSU	<p>CRV-CSU-7</p> <p>Significant Plant Communities</p>	<p>STIPULATION: For those plant communities that meet BLM’s criteria for significant plant communities, special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required. For plant communities, habitat areas include occupied habitat and habitat necessary for the maintenance or recovery of the species or communities.</p> <p>PURPOSE: To protect the quality and quantity of habitat for significant plant communities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
CSU	<p>CRV-CSU-8</p> <p>Harrington's Penstemon Habitat outside ACECs</p> <p><i>13,800 Acres</i></p>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within a 100-meter (328-foot) buffer around occupied Harrington's penstemon habitat outside ACECs.</p> <p>PURPOSE: To protect Harrington's penstemon habitat outside ACECs.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•		
CSU	<p>CRV-CSU-9</p> <p>Sensitive Plant Occupied Habitat</p> <p><i>15,200 Acres</i></p>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within a 100-meter (328-foot) buffer around occupied habitat for BLM sensitive species (including Harrington's penstemon)</p> <p>PURPOSE: To protect BLM sensitive plant species.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				•
CSU	<p>CRV-CSU-13</p> <p>Sage-grouse Habitat</p> <p><i>31,900 Acres</i></p>	<p>STIPULATION: Apply CSU to protect sagebrush plant communities within sage-grouse habitat.</p> <p>PURPOSE: To manage the identified large blocks of sagebrush to protect from fragmentation and degradation. Sustaining the integrity of the sagebrush biome would be the priority in these areas. These patches would also protect occupied greater sage-grouse habitat, potential greater sage-grouse habitat, and big game winter range. Other uses would be allowed providing they are compatible with the objective.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, habitat improvement projects and range projects would be allowed providing these projects are</p>		•	•	

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		compatible or beneficial to sagebrush ecosystems. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
CSU	CRV-CSU-14 Special Status Bat Species Roost Sites <i>450 Acres</i>	STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.25 mile of special status bat species roost sites. PURPOSE: To protect special status bat-species roost sites. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				•
CSU	CRV-CSU-15 Sensitive Amphibians (Boreal Toad, Northern Leopard Frog, Wood Frog) <i>3,800 Acres</i>	STIPULATION: Apply CSU (site-specific relocation) restrictions within an 800-meter (0.5-mile) buffer around all identified breeding sites. PURPOSE: To protect boreal toad, northern leopard frog, and wood frog. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•		•

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Visual Resources						
CSU	<p><i>GS-CSU-5 (BLM 1999b) CSU</i></p> <p>CRV-CSU-16</p> <p>VRM Class II</p> <p><i>Alternative A = 264,800 Acres</i></p> <p><i>Alternative B = 335,900 Acres</i></p> <p><i>Alternative C = 344,500 Acres</i></p> <p><i>Alternative D = 284,000 Acres</i></p>	<p>STIPULATION: Ensure that surface-disturbing activities within VRM Class II areas comply with BLM Handbook 8431-1 to retain the existing character of the landscape. Management activities may be visible but should not attract attention of the casual observer. Any change to the landscape must repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. Special design measures, mitigation plans, or relocation of operations by more than 200 meters (656 feet) may be required to protect visual values.</p> <p>PURPOSE: To protect visual values.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•	•	•	•
Recreation and Visitor Services						
CSU	<p>CRV-CSU-17</p> <p>Special Recreation Management Areas</p> <p><i>Alternative B = 1,400 Acres</i></p> <p><i>Alternative D = 41,100 Acres</i></p>	<p>STIPULATION: Apply constraints surface use, occupancy, and surface-disturbing activities to minimize conflicts with recreation opportunities, and recreation setting characteristics and visitor health and safety within the following SRMAs:</p> <p><u>Alternative B:</u></p> <ul style="list-style-type: none"> ○ Bocco Mountain <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> ○ Bocco Mountain ○ The Crown ○ Fisher Creek ○ Hardscrabble/East Eagle ○ Thompson Creek <p>PURPOSE: To minimize impacts to (1) the prescribed physical, social, and operational recreational setting</p>		•		•

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		characteristics; (2) the targeted recreation opportunities (including recreational activities, experiences, and outcomes); and (3) visitor health/safety. EXCEPTION: Standard exceptions apply to non-recreational activities. This stipulation does not apply to surface use, occupancy and surface disturbing activities (e.g., facilities, trails, events - if permitted) performed by the recreation and visitor services program to achieve the outcome objective, enhance the targeted recreation opportunities, or retain/enhance physical, social, or operational recreation setting characteristics of the SRMA. MODIFICATION: Standard modifications apply (see Section B.3). WAIVER: Standard waivers apply (see Section B.3).				
CSU	CRV-CSU-18 Extensive Recreation Management Areas <i>Alternative B = 44,100 Acres</i> <i>Alternative C = 26,200</i>	STIPULATION: Apply constraints on surface use, occupancy, and surface disturbing activities to minimize conflicts with recreation opportunities, and recreation setting characteristics and visitor health and safety within the following ERMAs: <u>Alternative B:</u> <ul style="list-style-type: none"> ○ Fisher Creek ○ Hardscrabble/East Eagle ○ New Castle ○ Silt Mesa ○ Thompson Creek. <u>Alternative C:</u> <ul style="list-style-type: none"> ○ King Mountain ○ New Castle ○ Silt Mesa PURPOSE: To (a) minimize impacts to recreation opportunities, (b) maintain particular recreation setting characteristics, and (c) protect visitor health/safety. ERMAs offer recreation opportunities that facilitate the visitors' freedom to pursue a variety of outdoor recreation activities and attain a variety of outcomes.		•	•	

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>EXCEPTION: Standard exceptions apply to non-recreational activities. This stipulation does not apply to surface use, occupancy and surface disturbing activities (e.g., facilities, trails, events- if permitted) performed by the recreation and visitor services program to achieve the management objectives for the ERMA.</p> <p>MODIFICATION: Standard modifications apply (see Section B.3).</p> <p>WAIVER: Standard waivers apply (see Section B.3).</p>				
CSU	<p>CRV-CSU-19</p> <p>Developed Recreation Facilities and Trails</p>	<p>STIPULATION: Apply constraints on constraint on surface use, occupancy, and surface-disturbing activities of developed recreation sites and mapped national/regional trails, local system trails that connect communities, trailheads and interpretive sites with exceptional recreation value, recreation investment (i.e., time or funding), or local public interest.</p> <p>PURPOSE: To minimize conflicts with new and existing BLM recreation facility investments (i.e. trails, recreation sites, boat launches, trailheads, interpretive sites), provide for recreational use, protect visitor health and safety, and protect the viewshed of the recreation facility.</p> <p>EXCEPTION: Standard exceptions apply to non-recreational activities. This stipulation does not apply to surface use, occupancy and surface disturbing activities (e.g., facilities, trails, events- if permitted) performed by the recreation and visitor services program to achieve the management objectives for the ERMA.</p> <p>MODIFICATION: Standard modifications apply (see Section B.3).</p> <p>WAIVER: Standard waivers apply (see Section B.3).</p>		•	•	•
Coal						
CSU	<p><i>GS-CSU-1</i> (BLM 1999b)</p> <p>CRV-CSU-20</p> <p>Underground Coal</p>	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to oil and gas operations within the area of federally leased coal lands. Relocate oil and gas operations outside the area to be mined or located to accommodate room and pillar mining operations.</p>	•	•	•	•

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
	Mines	<p>PURPOSE: To protect coal resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3). In addition, this stipulation may be waived without a plan amendment if the lessee agrees that the drilling of a well will be subject to the following conditions:</p> <ul style="list-style-type: none"> ○ The well must be plugged when the mine is within 500 feet of the well bore. ○ The well must be plugged in accordance with Mine Safety and Health Administration (formerly Mine Enforcement and Safety Administration) Informational Report 1052. ○ The operator will provide an accurate location of where the casing intercepts the coal by providing a directional and deviational survey of the well to the coal operator. ○ Alternatively, the operator will relocate well into a permanent pillar or more than 500 feet outside the area to be mined. A suspension of operations and production will be considered when the well is plugged and a new well is to be drilled after mining operations move through the location. 				
Wilderness Study Areas (WSAs)						
CSU	<p>CRV-CSU-22</p> <p>Wilderness Study Areas if released from Wilderness Consideration</p>	<p>STIPULATION: If Congress releases WSAs from wilderness consideration, then apply CSU (site-specific relocation) restrictions to the lands.</p> <p>PURPOSE: To protect recreation activity opportunities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•

**Table B-8
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Minerals Development and Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Wild and Scenic Rivers (WSRs)						
CSU	CRV-CSU-23 Suitable Stream Segments Classified as “Scenic” and “Recreational” <i>Alternative B = 10,800 Acres</i> <i>Alternative C = 17,500 Acres</i>	STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.25-mile on either side of the active river channel. PURPOSE: To protect the outstandingly remarkable values for which the stream segments were found suitable. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3). In addition, until designated or released to multiple use by Congress, adopt the interim protective management guidelines identified in Alternative A.		•	•	

¹ CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply to CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
Fish and Wildlife						
TL	<p><i>GS-TL-1</i> [NSO CO-9] (BLM 1999b)</p> <p>Big Game Winter Habitat</p> <p><i>274,400 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities from December 1 to April 30 to protect big game (mule deer, elk, pronghorn antelope, and bighorn sheep) winter range, including crucial winter habitat and other definable winter range as mapped by the CDOW. This may apply to sundry notices that require an environmental analysis.</p> <p>PURPOSE: To protect winter habitat that includes severe big game winter range and other high-value winter habitat as mapped by CDOW.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, under mild winter conditions, the last 60 days of the seasonal limitation period may be suspended after consultation with CDOW. Severity of the winter will be determined based on snow depth, snow crusting, daily mean temperatures, and whether animals are concentrated on winter range during the winter months. This limitation may apply to work requiring a Sundry Notice pending environmental analysis of any operational or production aspects.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•			

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
TL	CRV-TL-1 Big Game Winter Habitat 274,400 Acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities from December 1 to April 30 to protect big game (mule deer, elk, pronghorn antelope, moose, and bighorn sheep) winter range, including crucial winter habitat and other definable winter range as mapped by the CDOW. This may apply to sundry notices that require an environmental analysis.</p> <p>PURPOSE: To protect winter habitat that includes severe big game winter range and other high-value winter habitat as mapped by CDOW.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, site-specific ground-disturbing activity between December 1 and April 30 may be allowed if BLM determines, following consultation with CDOW, that the requested activity would not impair values associated with the quantity and quality of the winter range for the species of interest.</p> <p>In making this determination, BLM will consider the following resource factors: minimization of the footprint of activities; fragmentation; impacts to winter range across the planning area as a whole; effectiveness of voluntary offsite mitigation of habitat with respect to quantity, quality, and duration of both the surface-disturbing activity and mitigation; the relative extent of available winter range; relationship to topography and vegetation screening; current baseline data; the type, location, duration, and intensity of potential adverse effects; mitigation and conservation measures to avoid, minimize, or offset the adverse effects; and other factors that may affect the winter range or cause winter range to become unusable. Approval of ground-disturbing activities granted in any given year may not constitute approval for subsequent years; in such cases approval for such activities must be granted (or extended) annually by BLM. The proponent of any ground-disturbing activity will provide an assessment with their proposal that (a) documents anticipated compliance or non-impairment of resource values protected by this stipulation; and (b) considers the above mentioned resource factors.</p>		•	•	•

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
TL	<p><i>GS-TL-2</i> [TL CO-10, 11, 12, 14] (BLM 1999b)</p> <p>CRV-TL-2</p> <p>Big Game Birthing Areas</p> <p><i>28,500 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities as follows:</p> <ul style="list-style-type: none"> o Elk Calving – April 16 to June 30 [TL CO-10] o Pronghorn Fawning – May 1 to July 15 [TL CO-11] o Rocky Mountain Bighorn Sheep Lambing – May 1 to July 15 [TL CO-12] o Desert Bighorn Sheep Lambing – March 1 to May 1 [TL CO-14] <p>PURPOSE: To protect big game during birthing season.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, when it is determined through a site-specific environmental analysis that actions would not interfere with critical habitat function nor compromise animal condition within the project vicinity, the restriction may be altered or removed.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•	•	•	•
TL	<p><i>GS-TL-6</i> [TL CO-18] (BLM 1999b)</p> <p>Raptors</p> <p><i>22,400 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities from February 1 to August 15 within a 0.25-mile radius of a raptor nest site, including golden eagles, all accipiters, buteos, falcons (except kestrels), and owls. Raptors that are listed and protected by the Endangered Species Act are addressed separately.</p> <p>PURPOSE: To protect nesting and fledgling habitat during use.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, during years when a nest site is unoccupied or unoccupied by or after May 15, the seasonal limitation may be suspended. It may also be suspended once the young have fledged and dispersed from the nest.</p> <p>MODIFICATION: Standard modifications apply</p>	•			

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		(Section B.3). WAIVER: Standard waivers apply (Section B.3).				
TL	CRV-TL-4 Raptors (0.25-mile buffer species, not include special status species) <i>22,400 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.25-mile radius of a raptor nest site during the following dates: <ul style="list-style-type: none">• February 15 to July 15 – red-tailed hawk, all owls• April 1 to July 15 – Swainson’s hawk• April 1 to August 31 – osprey• April 15 to July 15 – Cooper’s hawk, sharp-shinned hawk PURPOSE: To protect nesting and fledgling habitat during use. EXCEPTION: Standard exceptions apply (Section B.3). In addition, the stipulation may be suspended during any year in which the nest site is unoccupied 2 weeks following the start of the nesting seasons specified above. It may also be suspended once the young have fledged and dispersed from the nest. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•	•	•
TL	CRV-TL-5 Raptors (0.5-mile buffer species, not include special status species) <i>22,400 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile radius of a raptor nest site during the following dates: <ul style="list-style-type: none">• December 15 to July 15 – golden eagle• March 1 to September 15 – northern goshawk• March 15 to July 15 – prairie falcon PURPOSE: To protect nesting and fledgling habitat during use. EXCEPTION: Standard exceptions apply (Section B.3). In addition, the stipulation may be suspended during any year in which the nest site is unoccupied 2 weeks following the start of the nesting seasons specified above. It may also be suspended once the young have fledged		•	•	•

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		and dispersed from the nest. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				
TL	<i>GS-TL-13</i> (BLM 1999b) Waterfowl and Shorebird Nesting and Production Areas <i>970 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities from April 15 to July 15 in a 0.25-mile radius around the nesting and production areas of the Fravert Watchable Wildlife Area (CRVFO), Consolidated Reservoir and the King Mountain Reservoirs-Grimes-Brooks (CRVFO), and Nobel and Upper and Lower King Mountain (CRVFO). PURPOSE: Protects nesting waterfowl and shorebirds. EXCEPTION: Standard exceptions apply (Section B.3). In addition, exceptions may be granted after consultation with CDOW if nesting waterfowl and shorebirds are not present at the reservoirs, or if operations can be located in such a manner as to minimize disturbance to nesting waterfowl and shorebirds. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	•			
TL	CRV-TL-6 Waterfowl and Shorebird Nesting and Production Areas	STIPULATION: Prohibit surface occupancy and surface-disturbing activities from April 15 to July 15 within a 0.25-mile radius around the nesting and production areas of the Fravert Watchable Wildlife Area, Consolidated Reservoir and the King Mountain Reservoirs-Grimes-Brooks, Nobel and Upper and Lower King Mountain. PURPOSE: To protect nesting waterfowl and shorebirds. EXCEPTION: Standard exceptions apply (Section B.3). In addition, exceptions may be granted after consultation with the Colorado Division of Wildlife if nesting waterfowl and shorebirds are not present at the reservoirs, or if operations can be located in such a manner as to minimize disturbance to nesting waterfowl and shorebirds.		•	•	•

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
Aquatic Wildlife/Fisheries						
TL	<p>CRV-TL-7</p> <p>Coldwater Sport and Native Fishes</p> <p><i>16,900 Acres</i></p>	<p>STIPULATION: Prohibit in-channel stream work in all occupied trout streams during appropriate spring and fall spawning periods of April 1 to August 1 for rainbow and cutthroat trout and October 1 to November 30 for brown and brook trout.</p> <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•
Special Status Species						
TL	<p><i>GS-TL-10</i> <i>[TL CO-22]</i> <i>(BLM 1999b)</i></p> <p>Bald Eagle Nest Site</p> <p><i>60 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile buffer around the nest site from December 15 to June 15 to prevent disruption of nesting.</p> <p>PURPOSE: To protect bald eagles from nest abandonment and desertion of long-established territories, as this time period is extremely sensitive to human-associated disturbance activities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, exceptions may be granted after formal Section 7 consultation with USFWS. The limitation may be suspended in years when the nest site is unoccupied by May 15 or once the young have fledged and dispersed from the nest.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•			

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
TL	<p><i>GS-TL-11</i> [<i>TL CO-23</i>] (<i>BLM 1999b</i>)</p> <p>Bald Eagle Winter Roost Site</p> <p><i>1,300 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile buffer around the roost site from November 16 to April 15.</p> <p>PURPOSE: To avoid bald eagle relocation to less-suitable areas.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, exceptions may be granted after formal Section 7 consultation with USFWS. If there is partial or complete visual screening of the area of activity, the roost site buffer may be reduced to 0.25 mile.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	●			
TL	<p>CRV-TL-8 Bald Eagle Nest Sites and Winter Roost Sites</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile buffer around a nest site and around a winter roost site from to minimize disruptions during these critical periods.</p> <p>Nest Sites: October 15 to July 31 Roost Sites: November 15 to March 15</p> <p>PURPOSE: To protect bald eagles from nest abandonment and desertion of established nesting territories or winter roosting areas, as this species is extremely sensitive to human-associated disturbance.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). The limitation for nest sites may be suspended in years when a nest site is unoccupied by May 15 or once the young have fledged and dispersed from the nest. The limitation for winter roosts may be reduced to 0.25 mile, in collaboration with the USFWS, for locations with partial or complete screening from the source of disturbance.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		●	●	●

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
TL	GS-TL-9 (BLM 1999a, b) Mexican Spotted Owl Primary Activity Centers	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities from February 1 through July 31. The average Mexican spotted owl territory is estimated to encompass approximately 2,000 acres. Within this area, Primary Activity Centers are defined around nesting, feeding, and roosting areas within the territory. These Primary Activity Centers are mapped as a 0.5-mile radius (600 acre) area around nests, roosts, and the center of feeding areas, and are not considered to be overlapping. With multiple sightings of the Mexican spotted owl, but with no confirmed nest or roost sites, a Primary Activity Center is defined as the area where habitat is used the most.</p> <p>PURPOSE: To protect Mexican spotted owl primary activity centers.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, exceptions may be granted after formal Section 7 consultation with USFWS.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•			
TL	CRV-TL-9 Mexican Spotted Owl Primary Activity Centers	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities during seasons of critical use. The average Mexican spotted owl territory is estimated to encompass approximately 2,000 acres. Within this area, Primary Activity Centers are defined around nesting, feeding, and roosting areas within the territory. These Primary Activity Centers are mapped as a 0.5-mile radius (600-acre) area around nests, roosts, and the center of feeding areas, and are not considered to be overlapping. With multiple sightings of the Mexican spotted owl, but with no confirmed nest or roost sites, a Primary Activity Center is defined as the area where habitat is used the most.</p> <p>Dates: March 1 to August 31</p> <p>PURPOSE: To protect Mexican spotted owl primary activity centers.</p>		•	•	•

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		<p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, exceptions may be granted after formal Section 7 consultation with USFWS.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
TL	<p><i>GS-TL-7</i> [TL CO-19] (BLM 1999b)</p> <p>Ferruginous Hawk Nesting and Fledgling Habitat</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities from February 1 to August 15 within a 1-mile radius of a nest site to protect ferruginous hawk nesting and fledgling habitat during usage, and to avoid nest abandonment.</p> <p>PURPOSE: To avoid nest abandonment, as the sensitivity of the ferruginous hawk to human-associated disturbance activities requires a 1-mile buffer zone.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•			
TL	<p>CRV-TL-10</p> <p>Ferruginous Hawk Nesting and Fledgling Habitat</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities from February 1 to July 15 within a 0.5-mile radius of a nest site to protect ferruginous hawk nesting and fledgling habitat during usage, and to avoid nest abandonment.</p> <p>PURPOSE: To avoid nest abandonment, as the sensitivity of the ferruginous hawk to human-associated disturbance activities requires a 1-mile buffer zone.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•
TL	<p><i>GS-TL-3</i> [TL CO-15] (BLM 1999b)</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities during certain timeframes in grouse crucial winter habitat and nesting habitat (includes</p>	•			

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
	<p>Greater Sage-grouse Winter and Nesting Habitat</p> <p><i>51,800 Acres</i></p>	<p>greater sage-grouse). Sage-grouse nesting habitat is described as sagebrush stands with sagebrush plants 30 to 100 centimeters (approximately 12 to 40 inches) in height and a mean canopy cover of 15 to 40 percent within a 2-mile radius of an active lek. Sage-grouse crucial winter habitat: December 16 to March 15. Sage-grouse nesting habitat: March 1 to June 30.</p> <p>PURPOSE: To protect greater sage-grouse during certain seasons.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). In addition, during years when the lek is inactive and it is determined that there is no nesting activity occurring by May 15, the seasonal limitation may be suspended.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
TL	<p>CRV-TL-11</p> <p>Greater Sage-grouse Winter and Nesting Habitat</p> <p><i>100,900 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities during certain timeframes in grouse crucial winter habitat and nesting habitat. Sage-grouse nesting habitat is described as sagebrush stands with sagebrush plants 30 to 100 centimeters (approximately 12 to 40 inches) in height and a mean canopy cover of 15 to 40 percent within a 4-mile radius of an active lek. Sage-grouse crucial winter habitat: December 16 to March 15. Sage-grouse nesting habitat: March 1 to June 30.</p> <p>PURPOSE: To protect greater sage-grouse during certain seasons.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>		•	•	•
TL	<p><i>GS-TL-3</i> <i>[TL CO-15]</i> <i>(BLM 1999b)</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities during certain timeframes in grouse crucial winter habitat and nesting habitat). Sharp-</p>	•	•	•	•

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
	CRV-TL-12 Columbian Sharp-tailed Grouse Winter and Nesting Habitat	<p>tailed grouse nesting habitat is described as mountain shrub communities with a shrub density of 1,700 to 32,000 plants per hectare and an average shrub height of 30 centimeters (12 inches) within a 2-mile radius of an active lek. Sharp-tailed grouse crucial winter habitat: December 16 to March 15. Sharp-tailed-grouse nesting habitat: March 1 to June 30.</p> <p>PURPOSE: To protect grouse during certain seasons.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>				
TL	<p><i>GS-TL-12</i> <i>[TL CO-24]</i> <i>(BLM 1999b)</i></p> <p>CRV-TL-14 Peregrine Falcon Nesting Complex <i>620 Acres</i></p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile buffer around the cliff-nesting complex from March 15 to July 31.</p> <p>PURPOSE: To prevent abandonment and desertion of established territories, as the sensitivity of peregrine falcon to human-associated disturbance activities requires a 0.5-mile buffer area around the nesting complex.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). The limitation may be suspended in years when the nest site is unoccupied by May 15, or once the young have fledged and dispersed from the nest.</p> <p>MODIFICATION: Standard modifications apply (Section B.3).</p> <p>WAIVER: Standard waivers apply (Section B.3).</p>	•	•	•	•
TL	<p><i>GS-TL-4</i> <i>[TL CO-16]</i> <i>(BLM 1999b)</i></p> <p>CRV-TL-15 Greater Sandhill Crane</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities from March 1 to October 16.</p> <p>PURPOSE: To protect greater sandhill crane nesting and staging habitat during use.</p> <p>EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply.</p> <p>MODIFICATION: Standard modifications apply</p>	•	•	•	•

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		(Section B.3). WAIVER: Standard waivers apply (Section B.3).				
TL	<i>GS-TL-5</i> [TL CO-17] (BLM 1999b) CRV-TL-16 American White Pelican	STIPULATION: Prohibit surface occupancy and surface-disturbing activities from March 16 to September 30. PURPOSE: To protect white pelican nesting and feeding habitat during usage. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).	•	•	•	•
TL	CRV-TL-17 Special Status Bat Species Maternity and Hibernaculum Sites (Townsend's Big-eared Bat, Fringed Myotis, Yuma Myotis, and Big Free-tailed Bat) <i>2,100 Acres</i>	STIPULATION: Prohibit surface occupancy and surface-disturbing activities during the following periods: maternity sites (April 15 – August 31); and winter hibernaculum sites (November 15 – April 15). PURPOSE: To protect bats during maternity season. EXCEPTION: Standard exceptions apply (Section B.3). In addition, under mild winter conditions, the last 60 days of the seasonal hibernaculum limitation period may be suspended after consultation with CDOW. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).		•	•	•
TL	CRV-TL-19 Waters Occupied by Special Status Cutthroat Trout Subspecies <i>5,000 Acres</i>	STIPULATION: In all occupied cutthroat trout (Colorado River cutthroat trout and greenback cutthroat trout) waters, prohibit in-channel work during the spring spawning period (April 1 to September 1). PURPOSE: To protect redds (egg masses) in the gravel and emerging fry. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply		•	•	

**Table B-9
Timing Limitation (TL) Stipulations Applicable to
Fluid Minerals Development and All Other Surface-Disturbing Activities**

Type	Stipulation Number (Existing/New) ¹ Protected Resource Acres/Miles Affected	Description of Stipulation	Alternative			
			A	B	C	D
		(Section B.3). WAIVER: Standard waivers apply (Section B.3).				
TL	CRV-TL-19 Conservation and Core Conservation Populations of Cutthroat Trout Waters <i>1,500 Acres</i>	STIPULATION: In all conservation and core conservation populations of cutthroat trout (Colorado River cutthroat trout and greenback cutthroat trout) waters, prohibit in-channel work during the spring spawning period (April 1 to September 1). PURPOSE: To protect redds (egg masses) in the gravel and emerging fry. EXCEPTION: Standard exceptions apply (Section B.3). No additional specific exception criteria apply. MODIFICATION: Standard modifications apply (Section B.3). WAIVER: Standard waivers apply (Section B.3).				•

¹ CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply to CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

Table B-10
Lease Notices (LN) and Required Conditions of Approval Applicable to Fluid Minerals Leasing

Type	Stipulation Number (Existing/New) ¹	Description	Alternative			
			A	B	C	D
Vegetation						
LN	GS-LN-3 (BLM 1999b) CRV-LN-1 Annual Reports of Weed Control Reclamation Progress.	All lessees are required to report to the Authorized Officer annually on the ongoing progress of reclamation and the status of weeds and weed control at locations developed on the lease.	•	•	•	•
Wildlife						
LN	GS-LN-6 (BLM 1999b) CRV-LN-2 Working in High-Value Wildlife Habitat.	The operator is required to establish a set of reasonable operating procedures for employees and contractors working in high-value wildlife habitats. These areas include, but are not limited to, special status-species habitat, severe big game winter range, moose priority habitat, and migration corridors. Such procedures would be designed to inform employees and contractors of ways to minimize the effect of their presence on wildlife and wildlife habitats. Procedures might address items such as working in bear country, controlling dogs, and understanding and abiding by hunting and firearm regulations.	•	•	•	•
LN	GS-LN-5 (BLM 1999b) CRV-LN-3 Working in Big Game Winter Range.	<p>Within high-value or crucial big game winter range, the operator is required to implement specific measures to reduce impacts of fluid minerals operations on wildlife and wildlife habitat. Such measures shall be developed in concert with BLM during the preparation of the environmental assessment. They may include completion of habitat improvement projects designed to replace habitat lost through construction activities; reduction of human disturbance in important habitat areas during critical times of the year by installing gates and closing roads; using telemetry to collect well data; and accessing well site locations during the times of the day when wildlife are less likely to be present in the area.</p> <p>It is recognized that other measures may be appropriate and that not all measures would be appropriate for all areas. Therefore, this notice is best implemented through site-specific planning addressing several years of activity in an area. .</p> <p>The BLM's overall goals are to (a) reduce direct impacts (physical loss of habitat) by minimizing surface disturbance in areas where revegetation is not possible, such as roads, production facilities, working portions of well pads, exposed rock outcrops, and high cutslopes; and (b) reduce indirect habitat impacts (reduced habitat availability) from disturbances caused by increased human activities in big game winter range and other high-value wildlife areas (refer to</p>	•	•	•	•

Table B-10
Lease Notices (LN) and Required Conditions of Approval Applicable to Fluid Minerals Leasing

Type	Stipulation Number (Existing/New) ¹ Protected Resource	Description	Alternative			
			A	B	C	D
		Draft Supplemental RMP/EIS for Oil and Gas Leasing and Development, Appendix G, Supplemental Wildlife Information [BLM 1998]) by managing human activities to minimize disturbance during critical times of the year.				
Special Status Species / Biological						
LN	GS-LN-2 (BLM 1999b) CRV-LN-4 Biological Inventories.	In areas of known or suspected habitat of special status species, or habitat of other species of interest, such as raptor nests, elk calving areas, or significant natural plant communities, a biological inventory would be required prior to approval of operations. The inventory would be used to prepare mitigating measures to reduce the impacts of surface disturbance on the affected species or their habitats. These mitigating measures may include, but are not limited to, relocation of roads, well pads, pipelines, and other facilities, and fencing operations or habitat.	•	•	•	•
LN	LN-2 [TL CO-30] (BLM 1991a) CRV-LN-5 Nesting Grouse Species.	To protect nesting greater sage-grouse and Columbian sharp-tailed grouse, surface-disturbing activities proposed between March 1 and June 30 would be relocated, consistent with lease rights granted and section 6 of standard lease terms, out of grouse nesting habitat. Sage-grouse nesting habitat is described as sage stands with sagebrush plants between 30 and 100 centimeters (approximately 12 and 40 inches) in height and a mean canopy cover between 15 and 40 percent. Sharp-tailed grouse nesting habitat is described as mountain shrub communities with a shrub density of 1,700 to 32,000 plants per hectare and average shrub height of 30 centimeters (12 inches).	•	•	•	•
Paleontology						
LN	GS-LN-1 [LN CO-29] (BLM 1999b) CRV-LN-6 Class 4 and 5 Paleontological Areas.	Instruction Memorandum No. 2008-009: Potential Fossil Yield Classification (PFYC) System for Paleontological Resources on Public Lands. An accredited paleontologist approved by the Authorized Officer will perform an inventory of surface-disturbing activities in Class 4 and 5 paleontological areas.	•	•	•	•

Table B-10
Lease Notices (LN) and Required Conditions of Approval Applicable to Fluid Minerals Leasing

Type	Stipulation Number (Existing/New) ¹ Protected Resource	Description	Alternative			
			A	B	C	D
Visual Resources						
LN	GS-LN-10 (BLM 1999b) CRV-LN-7 Sensitive Viewsheds.	Special design and construction measures may be required to minimize the visual impacts of drilling activities within five miles of all communities or population centers, major BLM or county roads, and state or federal highways. The overall goal of these measures would be to blend the disturbance with the natural landscape as much as possible. At a minimum, operations should be designed to insure that the disturbance does not dominate the natural landscape character (VRM Class III objective). BLM acknowledges that activities on private lands may alter the landscape character, and such alterations will be considered when evaluating mitigation proposals relative to the visual quality of the overall landscape.	•	•	•	•
Health and Safety						
LN	GS-LN-4 (BLM 1999b) CRV-LN-8 Emergency Communications Plan.	The operator is required to prepare and maintain a current emergency communications plan. The plan shall be provided to the BLM, Colorado State Patrol, the affected county and communities, and the general public. The plan shall contain information sufficient to describe the potential for emergency incidents related to fluid minerals development that pose an immediate danger to human health and safety and would normally require immediate actions by the operator to remove the threat, such as for hazardous materials spills; actions to be taken by the operator in the event of such an incident; and a communications plan to inform appropriate authorities and potentially affected citizens.	•	•	•	•
LN	GS-LN-7 (BLM 1999b) CRV-LN-9 Working in Residential Areas.	The operator drilling on federal mineral estate is required to consider the impact of operations on nearby communities and residences and will be expected to reasonably adjust operating procedures to accommodate local residential concerns. For example, the operator will be expected to try to work out reasonable compromises on issues such as noise, dust, and traffic. The operator will be expected to address such issues when raised during public comment periods associated with preparation of environmental assessments or when complaints are reported to the operator, BLM, or the Colorado Oil and Gas Conservation Commission.	•	•	•	•
LN	GS-LN-9 (BLM 1999b) CRV-LN-10 Project Rulison Monitoring.	Any wells within three miles of Project Rulison will be subject to oversight measures established by the Colorado Oil and Gas Conservation Commission. Any such wells would also be reviewed by the DOE for consideration if such wells should be incorporated into DOE's regular monitoring program.	•	•	•	•

Table B-10
Lease Notices (LN) and Required Conditions of Approval Applicable to Fluid Minerals Leasing

Type	Stipulation Number (<i>Existing</i> / New) ¹	Protected Resource	Description	Alternative			
				A	B	C	D
LN	LN-CO- 34	Endangered Species Act	The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. The BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation.		•	•	•

¹ CRV = applicable to CRVFO. Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1984a), Colorado Oil and Gas Leasing and Development Final EIS (BLM 1991a) (these do not apply to leases preceding November 1991), or GSFO Oil and Gas Leasing and Development RMP Amendment (BLM 1999b) (these do not apply to CRVFO leases preceding March 1999). Proposed new stipulations under Alternatives B, C, and/or D are noted in boldface, unitalicized font.

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