

**Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS****Significance Criteria**

- A substantial reduction in federal leasing and development of oil and gas in high potential areas.
- A substantial reduction in federal leasing and development of coal, locatable minerals, or salable minerals.
- A substantial reduction in access to high wind areas or development of other renewable energy resources.

**Assumptions**

- *Oil and gas operations on existing leases would be subject to Conditions of Approval by the authorizing officer.*
- *Valid existing leases would be managed under the stipulations in effect when the leases were issued, and new stipulations proposed under this RMP would apply if leases are renewed.*
- Leasing and drilling would occur throughout the entire RMPPA, except where restricted by management actions described in Chapter 2.
- Under Alternatives A, B, and C, a total of 3,031 wells could be drilled during the next 20 years, which could result in a future gross surface disturbance of 49,216 acres and future long-term surface disturbance of 23,030 acres (see Little Snake RFD).
- Under Alternative D, there would be a 25% reduction in number of wells that could be drilled during the next 20 years because of an increase in closed and NSO areas (note: Vermillion is closed—50,000 acres high potential, NSO in prairie dog ACEC—300,000 acres high potential, which is ~25% of 1.7 million acres).
- If an area is leased, it could be developed; but not all leases would be developed in the life of this plan.
- Disturbance associated with future nonproductive wells would typically regain adequate vegetative ground cover and species composition for site stabilization within 5 to 10 years in sagebrush/grass communities and 15 to 20 years in cold desert communities after the well would be plugged and abandoned.
- Seismic surveys would result in a temporary surface disturbance of 8,000 acres before reclamation and 100% of the disturbance would typically regain adequate vegetative ground cover and species composition for site stabilization within 5 to 10 years in sagebrush/grass communities and 15 to 20 years in cold desert communities (see Little Snake RFD).
- As population growth and the demand for energy increases, so will the demand for locatable and mineral materials and other energy sources.
- Increased mitigation would generally increase short-term financial cost and risk.
- The majority (96%) of oil and gas wells would be concentrated in high potential areas, 3% in moderate potential areas, and 1% in low potential areas (see Little Snake RFD).

**Methods of Analysis**

Impact analyses and conclusions are based on interdisciplinary team knowledge of resources and the project area, which includes BLM specialists from the Little Snake field office and cooperating agencies, as well as a review of existing literature. Effects are quantified where possible using

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field investigations, aerial photography and geographic information systems. In the absence of quantitative data, best professional judgment was used. Impacts are sometimes described using ranges of potential impacts or in qualitative terms if appropriate.

<b>ALTERNATIVE A (NO ACTION ALTERNATIVE)</b>	<b>ALTERNATIVE B</b>	<b>ALTERNATIVE C</b>	<b>ALTERNATIVE D</b>
<b>SOIL RESOURCES</b>			
<b>Fragile Soils</b>			
<p>A. Allow surface-disturbing activities on isolated sites that meet fragile soil criteria only where performance standards and objectives can be met. Fragile soil criteria areas:</p> <ol style="list-style-type: none"> <li>1. Are rated as highly or severely erodible by wind or water, as described by the Natural Resources Conservation Service in the Area Soil Survey Report or as described by on-site inspection.</li> <li>2. Have slopes greater than or equal to 35%, if they also have one of the following soil characteristics:               <ol style="list-style-type: none"> <li>a) Surface texture that is sand, loamy sand, very fine sandy loam, silty clay or clay.</li> <li>b) A depth to bedrock less than 20 inches.</li> </ol> </li> </ol>	No similar action.	Same as Alternative A.	Same as Alternative A.

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c) Erosion condition rated as 'poor'. d) K factor greater than 0.32.			
B. Permit surface occupancy on federal surface only where adherence to performance objectives for surface-disturbing activities within fragile-soil areas is assured. Performance objectives for fragile soils are the following: <ol style="list-style-type: none"> <li>1. Maintain the soil productivity by reducing soil loss from erosion and through proper handling of the soil material.</li> <li>2. Reduce impact to off-site areas by controlling erosion and/or overland flow from these areas.</li> <li>3. Protect water quality and quantity of adjacent surface and groundwater sources.</li> <li>4. Reduce accelerated erosion caused by surface-disturbing activities.</li> <li>5. Select best possible site for development to</li> </ol>	No similar action.	Same as Alternative A.	Same as Alternative A

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reduce the impacts to the soil and water resources.			
Restricting surface disturbance activities could, in some cases, result in the relocation of mineral facilities, including oil and gas facilities. This avoidance measure could require installation of facilities in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, which would potentially increase operating expenses. This management action would limit the location but not the number of oil and gas well pads. XX percent of fragile soil areas are within high occurrence potential for oil and gas.		Same as Alternative A.	Same as Alternative A.
<b>Surface Use</b>			
C. For new oil and gas leases and all surface-disturbing activities permitted under the 1989 RMP <sup>1</sup> , ensure that applicants demonstrate compliance with performance	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.

<sup>1</sup> These requirements do not supersede valid existing rights on approved applications for permits to drill, developing leases or entry under the general mining laws; rights-of-way construction will be allowed along Moffat County roads 4, 67 and 126 on a case-by-case basis. BLM will work with operators/permittees/county engineers to develop appropriate compliance measures.

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<p>objectives through a plan of development, using alternative measures, or use of the following mitigative measures:</p> <ol style="list-style-type: none"> <li>1. Retain all sediments generated from the surface-disturbing activity on site.</li> <li>2. Do not allow construction or other surface-disturbing activities when the soils are saturated to a depth of more than 3 inches.</li> <li>3. Limit vehicle use to existing roads and trails.</li> <li>4. Build all new permanent roads to meet BLM primary road standards in locations approved by the authorized officer (for oil and gas purposes, permanent roads are those used for production).</li> <li>5. Conduct all geophysical and geochemical exploration by helicopter, horseback, on foot or from existing</li> </ol>			

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<p>roads.</p> <p>6. Design any sediment-control structures, reserve pits or disposal pits to contain a 100 year, 6 hour storm event and provide storage volumes within these structures that have a design life of 25 years.</p> <p>7. Before reserve, production or emergency pits are reclaimed remove all residue and truck it off site to an approved disposal site.</p> <p>8. Initiate reclamation of disturbed surfaces before November 1 each year.</p> <p>Approve all reclamation plans by the authorized officer in advance and require a bond if necessary, if one has not been previously posted.</p>			
<p>Restricting surface disturbance activities could, in some cases, result in the relocation of mineral facilities, including oil and gas facilities. This avoidance measure could require installation of facilities</p>	<p>Same as Alternative A.</p>	<p>Same as Alternative A.</p>	<p>Same as Alternative A.</p>

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in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, which would potentially increase operating expenses. This management action would limit the location but not the number of oil and gas well pads.			
<b>WATER RESOURCES</b>			
A. See also decisions for Soil Resources.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
B. Establish no-surface occupancy stipulations from within 500 feet to ¼ mile of perennial water sources, depending on type and use of source, soil type and slope steepness.	No similar action.	Establish no-surface occupancy stipulations up to ¼ mile of perennial water sources, if necessary depending on type and use of source, soil type and slope steepness. Exceptions granted according to Appendix X.	Same as Alternative C.
Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.		Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Allowing exceptions to these actions would allow the operator to use conventional drilling methods to access resources.	Same as Alternative C.
<b>FISH AND WILDLIFE HABITAT</b>			

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ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
A. Raptors (golden eagle, osprey, all accipiters, falcons, except kestrel, butteos, and owls): NSO within 1/8 mile radius of nest site. NSO area may be altered depending upon the active status of the nest site or the geographical relationship of topographical barriers and vegetation screening to the nest site.	No similar action.	Same as Alternative A.	Raptors (golden eagle, osprey, all accipiters, falcons, except kestrel, butteos, and owls): NSO within 1/4 mile radius of nest site. In addition, exceptions granted according to criteria established in Appendix X.
<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p> <p>Allowing exceptions to these actions would allow the operator to use conventional drilling methods to access resources.</p>		Same as Alternative A.	Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Allowing exceptions to these actions would allow the operator to use conventional drilling methods to access resources.
B. Raptor nesting and fledgling habitat (golden eagle and all accipiters, falcons, except the kestrel, all butteos, and owls) - February 1 to August 15. Applies to ¼	No similar action.	Same as Alternative A. In addition, exceptions granted according to criteria established in Appendix X.	Same as Alternative C.

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<p>mile buffer zone around the nest site.</p> <p>C. Exceptions to raptor habitat. 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 young have fledged and dispersed from the nest.</p>			
<p>Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required. Exceptions to seasonal restrictions would in some cases allow development activities to occur.</p>		Same as Alternative A	Same as Alternative A.
<p>D. Peregrine Falcon: NSO</p>	No similar action.	NSO within ¼ mile radius of cliff	Same as Alternative C.

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within ¼ mile radius of cliff nesting complex. No exceptions.		nesting complex. In addition, NSO area may be altered depending upon the active status of the nesting complex or the geographical relationship of topographical barriers and vegetation screening.	
Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.		Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Altering the NSO area could allow the operator to use conventional drilling methods to access resources, which would minimize these impacts.	Same as Alternative C.
E. Peregrine falcon cliff nesting complex – March 16 to July 31. Applies ½ mile buffer area around the nesting complex to prevent abandonment and desertion of established territories. Exceptions: during years when a nest is unoccupied or unoccupied by or after May 15, the seasonal stipulation may be suspended. May also be suspended once the young have fledged and dispersed from the nest.	No similar action.	Same as Alternative A. In addition, exceptions granted according to criteria established in Appendix X.	Same as Alternative C.

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Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses.. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required. Exceptions to seasonal restrictions would in some cases allow development activities to occur.		Same as Alternative A.	Same as Alternative A.
F. Waterfowl and Shorebird: NSO on significant production areas (Waterfowl Habitat Management Areas and rookeries). No exceptions.	No similar action.	Same as Alternative A. In addition, NSO area may be altered depending upon the active status of the production areas or the geographical relationship of topographical barriers and vegetation screening. Exceptions: granted according to criteria established in Appendix X.	Same as Alternative C.
Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of		Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Allowing exceptions to these actions could	Same as Alternative C.

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facilities.		allow the operator to use conventional drilling methods to access resources, which would minimize these impacts.	
G. Big game species (mule deer, elk, pronghorn antelope, and bighorn sheep) crucial winter habitat – December 1 to April 30. Exceptions: under mild winter conditions, the last 60 days of the seasonal limitation period may be suspended. Severity of winter determined on basis of snow depth, snow crusting, daily mean temperatures, and concentration of animals on winter range during winter months.	No similar action.	Big game species (mule deer, elk, pronghorn antelope, and bighorn sheep) crucial winter habitat – December 1 to April 30, with the intent of this stipulation remaining consistent with big game hunting season. In the case that hunting season would extend later, exceptions would be applied according to Appendix X.  Exceptions: granted according to criteria established in Appendix X.	Same as Alternative A.
H. Big game birthing areas: 1. Elk calving – April 16 to June 30 2. Pronghorn Antelope fawning – May 1 to July 15 3. Rocky Mountain Bighorn Sheep	No similar action.	Elk calving – April 16 to June 30  Pronghorn Antelope fawning – May 1 to July 15  Bighorn Sheep – May 1 – July 15	Same as Alternative C.

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<p>lambing – May 1 to July 15</p> <p>4. Desert Bighorn Sheep lambing – March 16 to May 30</p> <p>I. Exceptions: When it is determined through a site-specific environmental analysis that specific actions would not interfere with critical habitat function or compromise animal conditions within the project vicinity, the restriction may be altered or removed.</p>		<p>Exceptions: granted according to criteria established in Appendix X.</p>	
<p>J. Greater Sandhill Crane nesting and staging habitat areas – March 1 to October 16. No exceptions.</p>	No similar action.	<p>Same as Alternative A. In addition, exceptions granted according to criteria established in Appendix X.</p>	<p>Same as Alternative C.</p>
<p>K. Osprey nesting and fledgling habitat – April 1 to August 31. Applies to a ½ mile buffer zone to avoid nest abandonment.</p>	No similar action.	<p>Same as Alternative A. In addition, exceptions granted according to criteria established in Appendix X.</p>	<p>Same as Alternative C.</p>
<p>Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities,</p>		<p>Same as Alternative A</p>	<p>Same as Alternative A.</p>

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could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required. Exceptions to seasonal restrictions would in some cases allow development activities to occur.			
L. No similar action	Same as Alternative A	<p>Controlled Surface Use/Timing stipulation:            Surface disturbing activities that are larger than 1 acre will not be permitted in active prairie dog towns less than 10 acres in size. These activities will be relocated to the edge of the active prairie dog town. Surface disturbing activities smaller than 1 acre or within towns that are larger than 10 acres will not be permitted between April 1 and June 15 in order to protect prairie dog pups.</p> <p>Exception Criteria: If a company has a well pad in place but for what ever reason is not able to complete the well prior to April 1, this timing restriction would be granted an exception. Exceptions may be</p>	No similar Action. See White-Tailed Prairie Dog ACEC management under Special Designations section.

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		considered on a case by case basis following Appendix X guidelines.	
		Restricting surface disturbance activities could, in some cases, result in the relocation of mineral facilities, including oil and gas facilities. This avoidance measure could require installation of facilities in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, which would potentially increase operating expenses. This management action would limit the location but not the number of oil and gas well pads. Prairie dog towns occur in areas of high oil and gas occurrence potential.	
SPECIAL STATUS SPECIES			
A. Colorado BLM sensitive species (plant and wildlife): Surveys would be conducted of potential habitat for Colorado BLM sensitive species before any surface disturbance. Should any such species be found, all disruptive activities would be halted until species-specific protective measures were developed and implemented.	Same as Alternative A.	In addition to Alternative A, BLM would survey for rare plant communities and if any such communities are found, all disruptive activities would be delayed until specific protective measures were developed and implemented, if appropriate.	In addition to Alternative C, review Colorado Natural Heritage Database for sensitive plant species not listed on BLM sensitive species list and determine appropriate management for species on case-by-case basis.
Halting surface disturbing	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.

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activities associated with minerals exploration and development could, in some cases, result in the relocation of mineral facilities, which would potentially increase operating expenses.			
B. White Pelican nesting and feeding habitat areas – March 16 to September 30. No exceptions.	No similar action – protected under standard terms and conditions.	No similar action – protected under standard terms and conditions.	No similar action – protected under standard terms and conditions.
Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.			
C. Ferruginous Hawk nesting and fledgling habitat – February 1 to August 15. Applies to 1-mile buffer zone to avoid nest abandonment.	No similar action.	Same as Alternative A. In addition, exceptions granted according to criteria established in Appendix X.	Same as Alternative C.
Seasonal restrictions would restrict the time available to complete exploration and		Same as Alternative A	Same as Alternative A.

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development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required. Exceptions to seasonal restrictions would in some cases allow development activities to occur.			
D. Colombian sharp-tailed grouse: NSO within ¼ mile radius of a lek site. NSO area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation screening to the lek site.	No similar action.	Same as Alternative A  In addition, exceptions granted according to criteria established in Appendix X.	Same as Alternative C.
Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.		Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Allowing exceptions to these actions could allow the operator to use conventional drilling methods to	Same as Alternative C.

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		access resources, which would minimize these impacts.	
E. Protect the federally-endangered American peregrine falcon, Colorado Squawfish, humpback chub, bonytail chub and the state protected razorback sucker by designation of Cross Mountain Canyon ACEC.	See Special Designations section.	Same as Alternative A	Same as Alternative A
See Special Designations section.	See Special Designations section.	See Special Designations section.	See Special Designations section.
<b>Greater Sage-Grouse</b>			
F. Greater Sage-Grouse: NSO within ¼ mile radius of a lek site. NSO area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation screening to the lek site.	No similar action.	For the purpose of reducing potential impacts to greater sage-grouse lek integrity, NSO within ¼ mile radius of a lek site. NSO area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation screening to the lek site.  In addition, exceptions granted according to criteria established in Appendix X.	For the purpose of further reducing potential impacts to greater sage-grouse lek integrity, NSO within a 0.6 mile radius of a lek site. NSO area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation screening to the lek site.  In addition, exceptions granted according to criteria established in Appendix X.
Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources.		Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in	Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in

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This management action could result in the relocation of facilities.		the relocation of facilities. Allowing exceptions to these actions could allow the operator to use conventional drilling methods to access resources, which would minimize these impacts.	the relocation of facilities. Where directional or horizontal drilling is not feasible, resources could be lost for development. Allowing exceptions to these actions could allow the operator to use conventional drilling methods to access resources, which would minimize these impacts.
G. Nesting habitat March 1- June 30.	No similar action	<p>For the purpose of preventing disturbing up to 75% of nesting birds, from March 1- June 30, greater sage-grouse nesting and early brood-rearing habitat (as defined in Chapter 3) would be controlled surface use for oil and gas exploration and development and avoidance areas for other surface disturbing activities within a 4-mile radius of the perimeter of a lek. All surface disturbing activities would avoid only nesting and early brood-rearing habitat within the 4-mile radius of the lek during this time period.</p> <p>Exceptions, modification, or waivers granted according to criteria established in Appendix X.</p> <p>The actual area to be avoided would be determined on a case-by-case basis dependent on applicable</p>	<p>For the purpose of preventing disturbing greater than 75% of nesting birds, from March 1- June 30, greater sage-grouse nesting and early brood-rearing habitat (as defined in Chapter 3) would be controlled surface use for oil and gas exploration and development and avoidance areas for other surface disturbing and disruptive activities.</p> <p>Exceptions, modification, or waivers granted according to criteria established in Appendix X.</p> <p>The actual area to be avoided would be determined on a case-by-case basis dependent on applicable scientific research and site-specific analysis and in coordination with commodity users and other appropriate entities.</p>

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		<p>scientific research and site-specific analysis and in coordination with commodity users and other appropriate entities.</p> <p>The use of the following Best Management Practices (BMPs) will be encouraged for all surface disturbing activities. The BLM may require implementation of some of the following BMPs. Use of these BMPs become even more important once disturbance reaches 10 percent of nesting habitat within 4 mile radius of an active lek. As new BMPs are developed, they may be added to the following list or replace some of the following BMPs.</p> <p><u>Habitat Reclamation</u></p> <ul style="list-style-type: none"> <li>• Use early and effective reclamation techniques, including interim reclamation, to allow sage grouse habitat to be re-established as soon as possible. (may require multiple reclamation efforts)</li> <li>• Utilize reclamation seed mixes consisting of native bunchgrasses, forbs and subspecies of big sagebrush that are appropriate for the disturbed site and its potential.</li> <li>• Practice reclamation techniques</li> </ul>	Same as Alternative C

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		<p>that speed recovery of pre-existing vegetation.</p> <ul style="list-style-type: none"> <li>• Avoid aggressive, non-native grasses (e.g. intermediate wheatgrass, pubescent wheatgrass, crested wheatgrass, smooth brome, etc) in reclamation seed mixes.</li> <li>• Cooperate with county weed programs to control noxious weed infestations associated with oil and gas development disturbances.</li> </ul> <p><u>Footprint Reduction</u></p> <ul style="list-style-type: none"> <li>• Reduce long-term footprint of facilities to the smallest practical space.</li> <li>• Design and construct roads to minimize duplication.</li> <li>• Cluster development of roads, pipelines, electric lines and other facilities and use existing, combined corridors where possible.</li> <li>• Use directional drilling where biologically significant habitats are involved, to minimize impact to grouse habitat, if such techniques are technically feasible.</li> </ul>	

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		<ul style="list-style-type: none"> <li>• Minimize pad size and other facilities to the extent possible, consistent with safety. (Where directional drilling is utilized, larger pads are needed for multiple wells.)</li> <li>• Minimize width of field surface roads. Avoid engineered and graveled roads when possible to reduce the footprint.</li> </ul> <p><u>Reduce Disturbance to Birds</u></p> <ul style="list-style-type: none"> <li>• Limit non surface disturbing activities during the breeding season (March 1 – May 1) near active sage grouse leks to portions of the day after 9:00 a.m. and before 4:00 p.m.</li> <li>• Reduce noise impacts from compressor stations by locating stations and at least 2500 feet away from leks or by decibel reduction equipment.</li> <li>• Field development plans will be required if exploration or wildcat wells indicate that substantial drilling may occur.</li> <li>• Reduce daily visits to well pads and road travel to the extent possible in sage grouse habitat.</li> <li>• Utilize remote telemetry to monitor wells when practical to</li> </ul>	

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		<p>reduce daily visits to wells.</p> <ul style="list-style-type: none"> <li>Gate field service roads or otherwise limit regular public access on field service roads. (consistent with landowner wishes and direction for split estate wells or ROW access across private lands.)</li> </ul>	
<p>Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.</p>		<p>Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.</p> <p>Exceptions to seasonal restrictions would in some cases allow development activities to occur.</p>	<p>Same as Alternative C, except impacts would be more frequent because all nesting and brood-rearing habitat is protected, regardless of proximity to a lek.</p>
<p>H. Crucial winter habitat closed– December 16 to March 15. No exceptions.</p>	<p>No similar action</p>	<p>Same as Alternative A. In addition, exceptions would be granted according to criteria established in Appendix X.</p>	<p>For the purpose of reducing disturbance to the animals, greater sage grouse winter habitat (Map X) would be closed to surface disturbing and disruptive activities from December 16 to March 15. In addition, for the purpose of protecting greater sage-grouse winter habitat, these areas would be</p>

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ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			controlled surface use for oil and gas exploration and development and avoidance areas for other surface disturbing and disruptive activities.  Exceptions granted according to criteria established in Appendix X.
Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.		Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.  Exceptions to seasonal restrictions would in some cases allow development activities to occur.	Same as Alternative C, except increased operational costs because of CSU in addition to timing restriction.
<b>Black-footed Ferret</b>			
I. No surface-disturbing activities will be allowed that may significantly alter the prairie dog complex making it unsuitable for reintroduction of the black-footed ferret.	No Similar Action	Same as Alternative A	Same as Alternative A. In addition, see White-Tailed Prairie Dog ACEC management under Special Designations section.
Restricting surface disturbance		Same as Alternative A.	Same as Alternative A.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>activities could, in some cases, result in the relocation of mineral facilities, including oil and gas facilities. This avoidance measure could require installation of facilities in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, which would potentially increase operating expenses. This management action could limit the location or number of oil and gas well pads.</p>			
<p>J. New mineral material sales (sand and gravel) proposed in prairie dog towns within ¼ mile of black-footed ferret release sites may be required to delay or suspend operations for 3 to 4 months during the release period. Mineral material sales operations existing at the time of release site selection will not be restricted. Sales within the common use areas within ¼ mile of release sites will also be suspended during the 3-4 month release period.</p>	No Similar Action	Same as Alternative A	Same as Alternative A

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
Requiring a delay or suspension of mineral material sales would restrict the time available for associated operations.		Same as Alternative A.	Same as Alternative A.
<b>Colorado River Fishes</b>			
K. No similar action	No Surface Occupancy NSO within critical or occupied habitat of Colorado pikeminnow ( <i>Ptychocheilus lucius</i> ), razorback sucker ( <i>Xyrauchen texanus</i> ), humpback chub ( <i>Gila cypha</i> ), and bonytail ( <i>Gila elegans</i> ). Exceptions that may cause adverse affect to listed fish (such as bridge abutments) will require site specific consultation with FWS.	Same as Alternative B.	Same as Alternative B.
	Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Allowing exceptions to these actions could allow the operator to use conventional drilling methods to access resources, which would minimize these impacts.	Same as Alternative B.	Same as Alternative B.
L. No similar action	No similar action	Proposed pipelines that cross critical or occupied habitat should be	Existing and proposed pipelines that cross critical or occupied habitat

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		evaluated for risks to the Colorado River fishes. Evaluation should include: contingency and/or emergency plans in place and their adequacy to reduce risks to these fishes, conditions of manual shut-off valves (if any), accessibility to manual shut-off valves, and relationship of pipeline location to spawning habitat. If the opportunity exists, BLM should use its discretion to modify pipelines determined to pose a potential adverse affect.	should be evaluated for risks to the Colorado River fishes. Evaluation should include: contingency and/or emergency plans in place and their adequacy to reduce risks to these fishes, conditions of manual shut-off valves (if any), accessibility to manual shut-off valves, and relationship of pipeline location to spawning habitat. If the opportunity exists, BLM should use its discretion to modify pipelines determined to pose a potential adverse affect.
		Modification of pipelines could increase operating costs.	Modification of pipelines could increase operating costs.
<b>Mexican Spotted Owl</b>			
M. Mexican spotted owl nesting and fledgling habitat – February 1 to July 31. Applied to territories in which an owl(s) has been spotted, but no nests or roosts have been confirmed and in territory where there is confirmed nesting, feeding, and roosting activity. No exceptions.	No Surface Occupancy shall be applied to all protected activity centers (PACs). Other surface disturbing activities within protected or restricted habitats – such as prescribed fires and fuels reduction – may occur in specific cases, but will require separate Section 7 consultation.	Same as Alternative B.	Same as Alternative B.
Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities and	Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result	Same as Alternative B.	Same as Alternative B.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
could require adjustments in drilling or exploration. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.	in the relocation of facilities.		
N. Mexican Spotted Owl: NSO within ¼ mile radius of confirmed roost site and nesting site. No exceptions.	Non-surface disturbing activities in PACs shall avoid the MSO breeding season (March 1 through August 31).	Same as Alternative B.	Same as Alternative B.
Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.	Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.	Same as Alternative B.	Same as Alternative B.
<b>Yellow-billed Cuckoo</b>			
O. No similar action	Prohibit permanent surface disturbing activities within ¼ mile of any suitable YBC habitat. Exceptions should be evaluated on a case by case basis to avoid adverse impact.	Same as Alternative B.	Same as Alternative B.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
	Restricting surface disturbance activities could, in some cases, result in the relocation of mineral facilities, including oil and gas facilities. This avoidance measure could require installation of facilities in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, which would potentially increase operating expenses.	Same as Alternative B.	Same as Alternative B.
<b>Mountain Plover</b>			
P. No similar action	No similar action	<ol style="list-style-type: none"> <li>1. Surface use is prohibited from April 1 to July 15 within ¼ mile of occupied nesting habitat for mountain plovers. This stipulation does not apply to the operation and maintenance of production facilities.</li> <li>2. <u>Exception:</u> An exception may be granted by the authorized officer if the operator submits a plan which demonstrates that the proposed action will not affect the mountain plover or its habitat. If the authorized officer determines that the action may or will have an adverse effect, the operator may submit a plan demonstrating that the impacts can be adequately mitigated.</li> </ol>	Same as Alternative C

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>3. <u>Modification</u>: The boundaries of the stipulated area may be modified if the authorized officer determines that portions of the area are not critical to the mountain plover.</p> <p>4. <u>Waiver</u>: The stipulation may be waived if the authorized officer determines that the portion of the lease under the restriction no longer provides potential to be occupied by the species for nesting habitat.</p>	
		<p>Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.</p> <p>Exceptions to seasonal restrictions would in some cases allow development activities to occur.</p>	
Q. No similar action	No similar action	1. Surface occupancy and use is prohibited within 1/8 mile of occupied nesting habitat for	Same as Alternative C

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>mountain plovers.</p> <p>2. <u>Exception:</u> An exception may be granted by the authorized officer if the operator submits a plan which demonstrates that the proposed action will not affect the mountain plover nest site.</p> <p>3. <u>Modification:</u> The boundaries of the stipulated area may be modified if the authorized officer determines that surface occupancy will not harm the integrity of the nest or nest location.</p> <p>4. <u>Waiver:</u> The stipulation may be waived if the authorized officer determines that the portion of the lease under the no surface occupancy restriction no longer provides potential to be used by the species for nesting.</p>	
		<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p> <p>Allowing exceptions to these actions could allow the operator to use conventional drilling methods to access resources, which would</p>	

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		minimize these impacts	
<b>Federally Listed and Candidate Plants</b>			
R. No similar action	All BLM issued minerals leases should include notification of all federally listed and candidate plant species occupied and suitable habitat. Where listed and candidate species are present, BLM may require lessee to avoid activities that will adversely affect listed species or contribute to the need to list candidate species. Additional conditions of approval beyond the 60 day notice and 200 meter limit may be required when listed or candidate species occur within the action area.	Same as Alternative B.	Same as Alternative B.
	This management action could result in the relocation of mineral facilities, including oil and gas facilities. This avoidance measure could require installation of facilities in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, which would potentially increase operating expenses.	Same as Alternative B.	Same as Alternative B.
<b>Bald Eagle</b>			
S. Bald Eagle: NSO within ¼	Year round No Surface	Same as Alternative B.	Same as Alternative B.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>mile radius of roost or nest site. NSO area may be altered depending upon the active status of the roost or the geographical relationship of topographical barriers and vegetation screening. No exceptions for nest sites.</p>	<p>Occupancy within ¼ mile radius of both occupied and unoccupied nests. Definition of 'occupied nest' [from Northern States Bald Eagle Recovery Plan 1983, page D4].: a) young were observed, b) eggs were laid (eggs or eggshell fragments observed), c) one adult observed in incubating ("sitting low") posture on the nest during the incubation period, d) two adults observed at an empty nest or within the breeding area, and e) one adult and one eagle in immature plumage at or near a nest, especially if mating or reproductive behavior (display flights, copulation, nest repair, etc.) was observed.</p>		
<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p>	<p>Same as Alternative A.</p>	<p>Same as Alternative A.</p>	<p>Same as Alternative A.</p>
<p>T. Bald eagle nesting habitat – December 15 to June 15. Applies ½ mile buffer zone around the nest site to prevent disruption of</p>	<p>No human activity or other surface disturbance within ½ mile radius of occupied nests from November 15 through July 31.</p>	<p>Same as Alternative B.</p>	<p>Same as Alternative B.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
nesting. Exceptions: During years when a nest site is unoccupied by or after May 15, timing limitation may be suspended. May also be suspended once young have fledged and dispersed from nest.			
Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required. Exceptions to seasonal restrictions would in some cases allow development activities to occur.	Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.	Same as Alternative B.	Same as Alternative B.
U. No similar action	No Surface Occupancy within 100 meter radius of abandoned nests (unoccupied for 5 consecutive years, but with all or part of the nest remaining).	Same as Alternative B.	Same as Alternative B.
	Areas open to oil and gas	Same as Alternative B.	Same as Alternative B.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
	leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.		
V. Bald eagle winter roost site – November 16 to April 15. Applies ½ mile buffer area around the roost site to avoid relocation to less suitable areas. Exceptions: If there is partial or complete visual screening of the area of activity, the primary zone around the roost site may be reduced to ¼ mile.	Human activities within ¼ mile of known winter hunting perches and ½ mile of critical night roosts on BLM land should be restricted from November 15 to March 15. Buffers can be reduced to ¼ mile for night roosts and 1/8 mile for hunting perches if the activity is visually screened by vegetation or topography. Development may be permitted at other periods. If periodic visits (such as oil well maintenance work) are required within the buffer zone after development, activity should be restricted to the hours of 1000 and 1400 hours from November 15 to March 15 (new guidelines developed by CDOW based on current data). Exceptions will require consultation with FWS for each individual action.	Same as Alternative B.	Same as Alternative B.
Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and	Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and	Same as Alternative B.	Same as Alternative B.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required. Exceptions to seasonal restrictions would in some cases allow development activities to occur.	gas development activities, could require adjustments in drilling or exploration, and would potentially increase operating expenses. Where seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required.		
W. No similar action	All surface disturbing activities (e.g., project construction) should be prohibited within ¼ mile of known roosts on BLM land, unless the activity will benefit wintering bald eagles or their habitat. Exceptions will require consultation for each individual action.	Same as Alternative B.	Same as Alternative B.
	Restricting surface disturbance activities could, in some cases, result in the relocation of mineral facilities, including oil and gas facilities. This avoidance measure could require installation of facilities in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, which would	Same as Alternative B.	Same as Alternative B.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
	potentially increase operating expenses.		
<b>CULTURAL AND HERITAGE RESOURCES</b>			
<b>Cultural Resource Surveys</b>			
Class 3 cultural surveys will be conducted on the specific sites where surface disturbance will occur. If necessary, the surface disturbing activity will be relocated to a site in which surveys reveal no significant cultural/paleontological resources.	Same as Alternative A. In addition, prioritize non-project driven Class 3 surveys in the Sand Wash area and Vermillion Basin.	Same as Alternative B.	Same as Alternative B.
Conducting Class 3 cultural surveys could delay mineral exploration and development activities and increase costs.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
<b>SPECIAL MANAGEMENT AREAS</b>			
<b>Areas of Critical Environmental Concern</b>			
<b>Limestone Ridge</b>			
Minerals and Energy: No Surface Occupancy for oil and gas exploration and development  Locatable - Closed Other Minerals - Open Coal – Not available for leasing	No similar action.  Minerals and Energy: Open to all exploration and development; however, not available for coal leasing.	Drop ACEC designation.  Objective: Protect sensitive plants, remnant plant communities, and scenic values.  Management of the area would be the same as Alternative A, except closed to other minerals.	Objective: Protect sensitive plants, remnant plant communities, and scenic values.  Minerals and Energy: Closed to oil and gas exploration and development Locatable - Closed Other Minerals - Closed Coal – Not available for leasing

**Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS**

<b>ALTERNATIVE A (NO ACTION ALTERNATIVE)</b>	<b>ALTERNATIVE B</b>	<b>ALTERNATIVE C</b>	<b>ALTERNATIVE D</b>
OHV: Closed  VRM: Not applicable  Lands and Realty: Exclusion area unless associated with valid existing rights.	OHV: Open  VRM: Class III  Lands and Realty: No restrictions		OHV: Closed  VRM: Class II  Lands and Realty: Exclusion area unless associated with valid existing rights.
Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Closing XX acres to locatable mineral entry would prohibit exploration and development activities associated with these minerals. Areas open to other minerals would allow for exploration and development activities associated with these minerals.	Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions. Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.	Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.	Closing XX acres to oil and gas leasing, locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.
<b>Irish Canyon</b>			
Minerals and Energy: Controlled Surface Use for oil and gas operations Locatable - Open Other Minerals - Open	No similar action.  Minerals and Energy: Open to all exploration and development; however, not available for coal	Objective: Protect sensitive plant, remnant plant communities, scenic, cultural, and geologic values.	Objective: Protect sensitive plant, remnant plant communities, scenic, cultural, and geologic values.  Minerals and Energy:

**Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS**

<b>ALTERNATIVE A (NO ACTION ALTERNATIVE)</b>	<b>ALTERNATIVE B</b>	<b>ALTERNATIVE C</b>	<b>ALTERNATIVE D</b>
Coal – Not available for leasing  OHV: Limited to Designated  VRM: Not applicable  Lands and Realty: Exclusion area unless associated with valid existing rights.	leasing.  OHV: Open  VRM: Class III  Lands and Realty: No restrictions	Same as Alternative A, except closed to oil and gas exploration and development.	Closed to oil and gas exploration and development. Locatable - Closed Other Minerals - Closed Coal – Not available for leasing  OHV: Limited to Designated  VRM: Class II  Lands and Realty: Exclusion area unless associated with valid existing rights.
Controlled surface use stipulations could directly influence the placement of oil and gas facilities. Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.	Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions. Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.	Closing XX acres to oil and gas leasing, which would preclude new oil and gas development. The area has low to no known potential, so impacts of not being able to develop the resource would be minimal. Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.	Closing XX acres to oil and gas leasing, which would preclude new oil and gas development. The area has low to no known potential, so impacts of not being able to develop the resource would be minimal. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.
<b>Lookout Mountain</b>			
Minerals and Energy: Controlled Surface Use for oil and gas operations Locatable - Open	No similar action.  Minerals and Energy: Open to all exploration and development;	Drop ACEC designation.  Objective: Protect sensitive plant, remnant plant communities, and	Objective: Protect sensitive plant, remnant plant communities, and scenic values.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>Other Minerals - Open Coal – Not available for leasing</p> <p>OHV: Limited to Designated</p> <p>VRM: Not applicable</p> <p>Lands and Realty: Exclusion area unless associated with valid existing rights.</p>	<p>however, not available for coal leasing.</p> <p>OHV: Open</p> <p>VRM: Class III</p> <p>Lands and Realty: No limitations</p>	<p>scenic values.</p> <p>Minerals and Energy: No Surface Occupancy for oil and gas operations Locatable - Closed Other Minerals - Closed Coal – Not available for leasing</p> <p>OHV: Limited to designated</p> <p>VRM: Class III</p> <p>Lands and Realty: ROW – Renewal of existing and authorization of future ROWs will be allowed upon approval of a site-specific development plan consistent with area resource objectives.</p>	<p>Minerals and Energy: No Surface Occupancy for oil and gas operations Locatable - Closed Other Minerals - Closed Coal –Not available for leasing</p> <p>OHV: Limited to Designated</p> <p>VRM: Class II</p> <p>Lands and Realty: Communication Sites – Existing communication ROWs may be renewed at the end of their term in accordance with area objectives and current regulations. No new communication sites will be authorized.</p> <p>ROW – Exclusion area</p>
<p>Controlled surface use stipulations could directly influence the placement of oil and gas facilities.</p> <p>Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.</p>	<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p> <p>Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.</p>	<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Where directional or horizontal drilling is not feasible, resources could be lost for development.</p>	<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Where directional or horizontal drilling is not feasible, resources could be lost for development.</p> <p>Closing XX acres to locatable</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.	mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.
<b>Cross Mountain Canyon (Area is currently within Cross Mountain WSA)</b>			
Minerals and Energy: No Surface Occupancy for oil and gas operations  Locatable - Open  Other Minerals- Open  Coal – Not available for leasing  OHV: Closed  VRM: Class I  Lands and Realty: Exclusion area unless associated with valid existing rights.	No ACEC designation but manage consistent with WSA requirements.	Same as Alternative B.	Objective: Protect sensitive plants, threatened and endangered species, and scenic values.  Minerals and Energy: Closed to oil and gas operations  Locatable - Closed  Other Minerals- Closed Coal – Not available for leasing  OHV: Closed  VRM: Class I  Lands and Realty: Exclusion area unless associated with valid existing rights.
Areas open to oil and gas leasing with NSO stipulations	See WSA impact analysis	Same as Alternative B.	Closing XX acres to oil and gas leasing, which would preclude new

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Because the area is also a WSA, resources could be lost for development. Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.</p>			<p>oil and gas development. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>
<b>White-Tailed Prairie Dog</b>			
<p>No ACEC designated. Active white-tailed prairie dog colonies are avoidance areas for surface disturbing activities only within black-footed ferret reintroduction area.</p>	<p>Same as Alternative A</p>	<p>Same as Alternative A</p>	<p>Objective: Protect white-tailed prairie dog habitat.</p> <p>The following management applies only to areas within the designated polygon (Map X) containing active/inactive white-tailed prairie dog colonies:</p> <p>Minerals and Energy:            No Surface Occupancy for oil and gas operations            Locatable – Closed            Other Minerals- Closed            Coal – Not available for leasing</p> <p>OHV: Limited to Designated</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			VRM: No classification related to prairie dog colonies.  Lands and Realty: ROW – exclusion
Avoidance areas could lead the relocation of mineral exploration and development operations.	Same as Alternative A	Same as Alternative A	Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.  In much of this high potential area, directional or horizontal drilling is not feasible; therefore substantial resources would be lost for development.  <b>How much resource would be lost? Is this in the EPCA Analysis?</b>  Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.
<b>Natural Systems ACECs</b>			
No similar action	No similar action	No similar action.	Designate the following ACECs  Cold Desert Shrublands ACEC (5,755 acres), Gibben's

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			<p>Beardtongue ACEC (5,477 acres), Bull Canyon ACEC (3,416 acres), G Gap ACEC (5,661 acres), Little Juniper Canyon ACEC (14 acres), Bassett Spring ACEC (117 acres), No Name Spring ACEC (76 acres), Pot Creek ACEC (2,230 acres), Whiskey Springs ACEC (2,758 acres), Willow Spring ACEC (88 acres), Deception Creek ACEC (XX acres).</p> <p>The Objective of these ACECs is to protect sensitive plants and plant communities.</p> <p>The following management applies only to areas within the designated polygons (Map X):</p> <p>Minerals and Energy:  Controlled Surface Use for oil and gas operations  Locatable - Closed  Other Minerals- Closed  Coal – Not available for leasing</p> <p>OHV: Limited to Designated Routes</p> <p>VRM: No classification related to ACECs.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			Lands and Realty: ROW – avoidance
			Controlled surface use stipulations could directly influence the placement of oil and gas facilities. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.
<b>Wilderness Study Areas</b>			
The Diamond Breaks WSA will be recommended as preliminarily suitable for wilderness designation (RMP/ROD page 22). If Congress does not designate Diamond Breaks as wilderness, the Colorado portion of the WSA (31,480 acres) would be managed as a recreation management unit; the Utah portion (3,900 acres) would be managed by the Vernal District according to existing management framework plans	Diamond Breaks WSA would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the Congress either designates it wilderness or releases it for other uses.  If Congress releases Diamond Breaks from wilderness study, it would be managed as multiple use consistent with resource goals and objectives.	Diamond Breaks WSA would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the Congress either designates it wilderness or releases it for other uses.  If Congress releases Diamond Breaks from wilderness study, it would be managed as follows:  OHV – Limited to designated  Minerals – <ul style="list-style-type: none"> <li>• Closed to oil and gas exploration and development</li> <li>• Locatable – closed</li> </ul>	Diamond Breaks WSA would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the Congress either designates it wilderness or releases it for other uses.  If Congress releases Diamond Breaks from wilderness study, it would be managed as follows:  OHV – Closed  Minerals – <ul style="list-style-type: none"> <li>• Closed to oil and gas exploration and development</li> <li>• Locatable – closed</li> </ul>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<ul style="list-style-type: none"> <li>• Other minerals – closed</li> <li>• Coal – Not available for leasing</li> </ul> <p>VRM – Class II</p> <p>Lands and Realty: ROW exclusion</p>	<ul style="list-style-type: none"> <li>• Other minerals – closed</li> <li>• Coal – Not available for leasing</li> </ul> <p>VRM – Class II</p> <p>Lands and Realty: ROW would be considered on a case-by-case basis.</p>
		<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground.</p> <p>The area has no known potential, so impacts of not being able to develop the resource would be minimal.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	Same as Alternative C
<p>The Cross Mountain WSA (including the proposed Cross Mountain Canyon ACEC) will be recommended as preliminarily suitable for wilderness designation. BLM will recommend that the proposed Cross Mountain wilderness remain open to oil and gas leasing with no-surface-occupancy stipulations. If Congress does not designate Cross Mountain</p>	<p>Cross Mountain WSA would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the Congress either designates it wilderness or releases it for other uses.</p> <p>If Congress releases Cross Mountain from wilderness study, it would be managed as multiple</p>	<p>Cross Mountain WSA would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the Congress either designates it wilderness or releases it for other uses.</p> <p>If Congress releases Diamond Breaks from wilderness study, it would be managed as an ACEC as follows:</p>	Same as Alternative C.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
as wilderness, the area would be managed as a special recreation management area (13,000 acres), including the Cross Mountain Canyon ACEC (3,000 acres)	use consistent with resource goals and objectives.	<p>Objective: Protect sensitive plants, threatened and endangered species, and scenic values.</p> <p>Minerals and Energy:            Closed to oil and gas operations            Locatable - closed            Other Minerals- closed            Coal – Not available for leasing</p> <p>OHV: Closed</p> <p>VRM: Class II</p> <p>Lands and Realty: Exclusion area unless associated with valid existing rights.</p>	
		<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	Same as Alternative C
The West Cold Spring WSA will be recommended as nonsuitable for wilderness designation. If Congress does not designate the area as	West Cold Spring WSA would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed	West Cold Spring WSA would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the	West Cold Spring WSA would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
wilderness, the Colorado portion of West Cold Spring would be managed as the Cold Spring and Little Snake River management units (total of 14,482 acres). The Utah portion of the WSA would be managed under the Brown's Park Management Framework Plan	in that manner until the Congress either designates it wilderness or releases it for other uses.  If Congress releases West Cold Springs from wilderness study, it would be managed as multiple use consistent with resource goals and objectives.	Congress either designates it wilderness or releases it for other uses.  If Congress releases West Cold Springs from wilderness study, it would be managed the same as the adjacent wilderness character area:  Minerals and Energy: Closed to oil and gas operations Locatable - Closed Other Minerals - Closed Coal – Not available for leasing  OHV: Limited (apply adaptive criteria)  VRM: Class III  Lands and Realty: ROW – avoidance; accept wind energy applications on case-by-case basis.	Congress either designates it wilderness or releases it for other uses.  If Congress releases West Cold Springs from wilderness study, it would be managed the same as the adjacent SRMA:  Designate as a backcountry SRMA.  Minerals and Energy: Closed to oil and gas operations Locatable - Closed Other Minerals - Closed Coal – Not available for leasing  OHV: Limited to Designated  VRM: Class I  Lands and Realty: ROW – exclusion; no wind energy
		Closing XX acres to oil and gas leasing would result in leaving resources in the ground. Closing XX acres to locatable mineral entry and other minerals	Same as Alternative C

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		would prohibit exploration and development activities associated with these minerals.	
<p>Four WSAs evaluated under Section 202 of FLPMA – Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears – will be recommended as nonsuitable for wilderness designation but would be recommended to the Secretary for forwarding to Congress for the final decision. If Congress does not designate these areas as wilderness, they would be managed as follows:</p> <ol style="list-style-type: none"> <li>1. The northwest corner of Ant Hills would be managed as the Douglas Mountain Management Unit and the remainder as the Scattered Sands Management Unit.</li> <li>2. Chew Winter Camp would be managed as the Scattered Sands Management Unit.</li> <li>3. The north third of Peterson Draw would be managed as the Scattered Sands Management Unit and the remainder as the Douglas Mountain Management Unit.</li> </ol>	<p>Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears WSAs would be managed to preserve their wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the Congress either designates them wilderness or releases them for other uses.</p> <p>If Congress releases Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears from wilderness study, it would be managed as multiple use consistent with resource goals and objectives.</p>	<p>Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears WSAs would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the Congress either designates it wilderness or releases it for other uses.</p> <p>If Congress releases Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears from wilderness study, they would be managed the same as the adjacent wilderness character area:</p> <p>Minerals and Energy:  Closed to oil and gas exploration and development  Locatable - Closed  Other Minerals - Closed  Coal – Not available for leasing</p> <p>OHV: Limited (apply adaptive criteria)</p>	<p>Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears WSAs would be managed to preserve its wilderness values according to the IMP (BLM-H-8550-1) and would continue to be managed in that manner until the Congress either designates it wilderness or releases it for other uses.</p> <p>If Congress releases Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears from wilderness study, they would be managed the same as the adjacent SRMA:  Designate as a backcountry SRMA.</p> <p>Minerals and Energy:  Closed to oil and gas exploration and development  Locatable - Closed  Other Minerals - Closed  Coal – Not available for leasing</p> <p>OHV: Limited to Designated</p> <p>VRM: Class I</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>4. Most of the Vale of Tears would be managed as the Little Snake River Management Unit and the other portions in the northwest corner would be managed as the Douglas Mountain and Scattered Sands Management Units (Little Snake Resource Management Plan (1989))</p> <p>5. The Cross Mountain, Diamond Breaks, West Cold Spring, Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears Wilderness Study Areas will not be leased. This is 35,280 acres of BLM-administered mineral estate within the Little Snake RMPPA</p>		<p>VRM: Class II</p> <p>Lands and Realty: ROW – avoidance; no wind energy</p>	Lands and Realty: ROW – exclusion; no wind energy
		<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. The area has low potential, so impacts of not being able to develop the resource would be minimal. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	Same as Alternative C
The Cross Mountain, Diamond	Same as Alternative A	Same as Alternative A	Same as Alternative A

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
Breaks, West Cold Spring, Ant Hills, Chew Winter Camp, Peterson Draw, and Vale of Tears Wilderness Study Areas will not be leased. This is 35,280 acres of BLM-administered mineral estate within the Little Snake RMPPA.			
Closing XX acres to oil and gas leasing would result in leaving resources in the ground.	Same as Alternative A	Same as Alternative A	Same as Alternative A
<b>Wild and Scenic Rivers</b>			
No similar action.	No similar action.	No similar action.	<p>The following management actions would only apply to the portions of the river segments where the river corridor is managed by the BLM.</p> <p>Manage Beaver Creek Segment 1 as suitable for inclusion in the National Wild and Scenic River System with the tentative classification of <i>wild</i>.</p> <p>Manage to protect the outstandingly remarkable values, including fish. Specific management prescriptions within one-quarter mile of each side of the river include—</p> <ul style="list-style-type: none"> <li>• Close to OHV</li> <li>• Close to oil and gas leasing.</li> <li>• Recommend withdrawing from mineral entry.</li> </ul>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. The area has no known potential, so impacts of not being able to develop the resource would be minimal.</p> <p>Withdrawing XX acres from locatable mineral entry would prohibit exploration and development activities associated with these minerals.</p>
No similar action.	No similar action.	No similar action.	<p>The following management actions would only apply to the portions of the river segments where the river corridor is managed by the BLM.</p> <p>Manage Vermillion Creek Segment 1 as suitable for inclusion in the National Wild and Scenic River System with the tentative classification of <i>scenic</i>.</p> <p>Manage to protect the outstandingly remarkable values, including cultural and geology. Specific management prescriptions within one-quarter mile of each side of the river include—</p> <ul style="list-style-type: none"> <li>• Close to OHV</li> <li>• Close to oil and gas leasing.</li> <li>• Recommend withdrawing from mineral entry.</li> </ul>
			Closing XX acres to oil and gas

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			leasing would result in leaving resources in the ground. Withdrawing XX acres from locatable mineral entry would prohibit exploration and development activities associated with these minerals.
No similar action.	No similar action.	<p>The following management actions would only apply to the portions of the river segments where the river corridor is managed by the BLM.</p> <p>Manage Segment 1 of the Yampa River (2.8 miles from River Mile #126 to Milk Creek area) as suitable for inclusion in the National Wild and Scenic River System with the tentative classification of <i>recreational</i>.</p> <p>Manage to protect the outstandingly remarkable values, including recreation and fish. Specific management prescriptions within one-quarter mile of each side of the river include—</p> <ul style="list-style-type: none"> <li>• Close to OHV</li> <li>• Close to oil and gas leasing.</li> <li>• Recommend withdrawing from mineral entry.</li> </ul> <p>For sites within the segment where habitat loss is a risk, remedial</p>	<p>The following management actions would only apply to the portions of the river segments where the river corridor is managed by the BLM.</p> <p>Manage Segment 1 of the Yampa River (2.8 miles from River Mile #126 to Milk Creek area) as suitable for inclusion in the National Wild and Scenic River System with the tentative classification of <i>recreational</i>.</p> <p>Manage to protect the outstandingly remarkable values, including recreation and fish. Specific management prescriptions within one-quarter mile of each side of the river include—</p> <ul style="list-style-type: none"> <li>• Close to OHV</li> <li>• Close to oil and gas leasing.</li> <li>• Recommend withdrawing from mineral entry.</li> <li>• For sites within the segment where habitat loss is a risk,</li> </ul>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		actions would be implemented to ensure that the suitability of the spawning habitat is maintained, or enhanced.	remedial actions would be implemented to ensure that the suitability of the spawning habitat is maintained, or enhanced.
		Closing XX acres to oil and gas leasing would result in leaving resources in the ground. Withdrawing XX acres from locatable mineral entry would prohibit exploration and development activities associated with these minerals.	Same as Alternative C
No similar action.	No similar action.	<p>The following management actions would only apply to the portions of the river segments where the river corridor is managed by the BLM.</p> <p>Manage Segment 2 of the Yampa River (13.9 miles from Milk Creek to Duffy Tunnel) as suitable for inclusion in the National Wild and Scenic River System with the tentative classification of <i>scenic</i>.</p> <p>Manage to protect the outstandingly remarkable values, including recreation and fish. Specific management prescriptions within one-quarter mile of each side of the river include—</p> <ul style="list-style-type: none"> <li>• Close to OHV</li> </ul>	<p>The following management actions would only apply to the portions of the river segments where the river corridor is managed by the BLM.</p> <p>Manage Segment 2 of the Yampa River (13.9 miles from Milk Creek to Duffy Tunnel) as suitable for inclusion in the National Wild and Scenic River System with the tentative classification of <i>scenic</i>.</p> <p>Manage to protect the outstandingly remarkable values, including recreation and fish. Specific management prescriptions within one-quarter mile of each side of the river include—</p> <ul style="list-style-type: none"> <li>• Close to OHV</li> </ul>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<ul style="list-style-type: none"> <li>• Close to oil and gas leasing.</li> <li>• Recommend withdrawing from mineral entry.</li> <li>• For sites within the segment where habitat loss is a risk, remedial actions would be implemented to ensure that the suitability of the spawning habitat is maintained, or enhanced.</li> </ul>	<ul style="list-style-type: none"> <li>• Close to oil and gas leasing.</li> <li>• Recommend withdrawing from mineral entry.</li> <li>• For sites within the segment where habitat loss is a risk, remedial actions would be implemented to ensure that the suitability of the spawning habitat is maintained, or enhanced.</li> <li>• Close to livestock grazing during the months of June and July.</li> </ul>
		Closing XX acres to oil and gas leasing would result in leaving resources in the ground. Withdrawing XX acres from locatable mineral entry would prohibit exploration and development activities associated with these minerals.	Same as Alternative C
No similar action.	No similar action.	<p>The following management actions would only apply to the portions of the river segments where the river corridor is managed by the BLM.</p> <p>Manage Segment 3 of the Yampa River (3.3 miles through Cross Mountain Canyon) as suitable for inclusion in the National Wild and Scenic River System with the tentative classification of <i>wild</i>.</p> <p>Manage to protect the outstandingly</p>	<p>The following management actions would only apply to the portions of the river segments where the river corridor is managed by the BLM.</p> <p>Manage Segment 3 of the Yampa River (3.3 miles through Cross Mountain Canyon) as suitable for inclusion in the National Wild and Scenic River System with the tentative classification of <i>wild</i>.</p> <p>Manage to protect the outstandingly</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>remarkable values, including scenic, recreation, geologic, and fish. Specific management prescriptions within one-quarter mile of each side of the river include—</p> <ul style="list-style-type: none"> <li>• Close to OHV</li> <li>• Close to oil and gas leasing.</li> <li>• Recommend withdrawing from mineral entry.</li> </ul>	<p>remarkable values, including scenic, recreation, geologic, and fish. Specific management prescriptions within one-quarter mile of each side of the river include—</p> <ul style="list-style-type: none"> <li>• Close to OHV</li> <li>• Close to oil and gas leasing.</li> <li>• Recommend withdrawing from mineral entry.</li> </ul>
		<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. Withdrawing XX acres from locatable mineral entry would prohibit exploration and development activities associated with these minerals.</p>	<p>Same as Alternative C</p>
<b>Lands With Wilderness Character Outside Existing WSAs</b>			
<i>Vermillion Basin</i>			
<p>Minerals and Energy: Open to new oil and gas leasing Locatable - Open Other Minerals - Open Coal – Not available for leasing</p> <p>OHV: Open, some Limited to Existing</p> <p>VRM: Not applicable</p>	<p>Objectives: Allow for oil and gas leasing, exploration, and development by utilizing state of the art technology, while protecting natural values. Manage for minimal surface disturbance by focusing development near existing trails, ROWs, canyons and washes and clustering wells where feasible. Manage to minimize visual intrusions, Lookout Mountain as</p>	<p>Zone 1 (Northern Zone of High and Medium potential):</p> <p>Objectives: Allow for oil and gas leasing, exploration, and development by utilizing state of the art technology, while protecting natural values. Manage for minimal surface disturbance by focusing development near existing trails, ROWs, canyons and washes and clustering wells where feasible.</p>	<p>Objective: provide quality primitive recreational experiences in largely natural settings</p> <p>Designate as a backcountry SRMA.</p> <p>Minerals and Energy: Closed to new oil and gas leasing Locatable - Closed Other Minerals - Closed Coal – Not available for leasing</p>

**Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS**

<b>ALTERNATIVE A (NO ACTION ALTERNATIVE)</b>	<b>ALTERNATIVE B</b>	<b>ALTERNATIVE C</b>	<b>ALTERNATIVE D</b>
Lands and Realty: Considered on a case-by-case basis.	<p>observation point</p> <p>Control infrastructure by requiring pre-planning, including transportation planning.</p> <p>Lease in larger leases (4 section blocks) in order to facilitate seismic exploration and allow operators to drill fewer wells</p> <p>Minerals and Energy: Open to new oil and gas leasing with a Controlled Surface Use stipulation. Stipulation language would reference Objectives above.</p> <p>Locatable – Closed Other Minerals - Closed Coal – Not available for leasing</p> <p>OHV: Limited to Designated Routes</p> <p>VRM: Class III, Class II for Vermillion Bluffs area</p> <p>Lands and Realty: Case-by-case basis, avoidance for Vermillion Bluffs and fragile soil areas</p>	<p>Manage to minimize visual intrusions, Lookout Mountain as observation point</p> <p>Control infrastructure by requiring pre-planning, including transportation planning.</p> <p>Lease in larger leases (4 section blocks) in order to facilitate seismic exploration and allow operators to drill fewer wells</p> <p>Long term goal for Vermillion Basin is to manage the area so that any disturbance caused by permitted actions will eventually be returned to the state prior to development.</p> <p>Minerals and Energy: Open to new oil and gas leasing with a Controlled Surface Use stipulation. Stipulation language would reference Objectives above.</p> <p>Locatable – Closed Other Minerals - Closed Coal – Not available for leasing</p> <p>OHV: Limited to Designated Routes</p> <p>VRM: Class III, Class II for Vermillion Bluffs area</p> <p>Lands and Realty: Case-by-case basis, avoidance for Vermillion</p>	<p>OHV: Closed</p> <p>VRM: Class II</p> <p>Lands and Realty: Exclusion area</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>Bluffs and fragile soil areas?</p> <p>Zone 2: (Southwest area of Low and No Known potential) Objectives: Manage to protect naturalness, opportunities for semi-primitive recreation, and solitude.</p> <p>Minerals and Energy: Closed to new oil and gas leasing Locatable – Closed Other Minerals - Closed Coal – Closed</p> <p>OHV: The portion of Vermillion Basin south and east of Ted's Draw will be Limited to Designated Routes The remaining portion of Zone 2 will be Closed to OHVs.</p> <p>VRM: II</p> <p>Lands and Realty: ROW Avoidance - the portion of Vermillion Basin south and east of Ted's Draw</p> <p>ROW Exclusion – remaining portion of Zone 2</p>	

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p> <p>Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.</p>	<p>Controlled surface use stipulations could directly influence the placement of oil and gas facilities.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	<p>Zone 1: Controlled surface use stipulations could directly influence the placement of oil and gas facilities.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p> <p>Zone 2: Closing XX acres to oil and gas leasing would result in leaving resources in the ground. The area has low to no known potential, so impacts of not being able to develop the resource would be minimal.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	<p>Closing XX acres to oil and gas leasing would result in leaving substantial resources in the ground. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>
<i>Dinosaur North</i>			
<p>Multiple use outside existing WSAs</p> <p>Minerals and Energy: Open Locatable - Open Other Minerals - Open Coal – Not available for leasing</p> <p>OHV: Open</p>	Same as Alternative A.	<p>WHEN CALCULATING AREA, MAKE SURE TO INCLUDE WILD MOUNTAIN.</p> <p>Objective: Manage to protect naturalness, opportunities for semi-primitive recreation, and solitude.</p> <p>No designation with the following prescriptions:</p>	<p>WHEN CALCULATING AREA, MAKE SURE TO INCLUDE WILD MOUNTAIN.</p> <p>Objective: Provide quality primitive recreational experiences in largely natural settings.</p> <p>Designate as a backcountry SRMA.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>VRM: Not applicable</p> <p>Lands and Realty: No restrictions, case-by-case basis</p>		<p>Minerals and Energy: Closed to oil and gas operations Locatable - Closed Other Minerals - Closed Coal – Not available for leasing</p> <p>OHV: Limited to Designated Routes</p> <p>VRM: Class II</p> <p>Lands and Realty: ROW – avoidance; no wind energy</p>	<p>Minerals and Energy: Closed to oil and gas operations Locatable - Closed Other Minerals - Closed Coal – Not available for leasing</p> <p>OHV: Closed</p> <p>VRM: Class II</p> <p>Lands and Realty: ROW – exclusion; no wind energy</p>
<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p> <p>Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.</p>	Same as Alternative A.	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. The area has low potential, so impacts of not being able to develop the resource would be minimal. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	Same as Alternative C.
<i>Cold Springs Mountain</i>			
<p>Multiple use outside existing WSAs</p> <p>Minerals and Energy: Open</p>	Same as Alternative A.	<p>Objective: Manage to protect naturalness, opportunities for semi-primitive recreation, and solitude.</p> <p>No designation with the following</p>	<p>Objective: Provide quality primitive recreational experiences in largely natural settings</p> <p>Designate as a backcountry SRMA.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>Locatable - Open Other Minerals - Open Coal – Not available for leasing</p> <p>OHV: Majority Limited to Existing, remainder is Open</p> <p>VRM: Not applicable</p> <p>Lands and Realty: No restrictions, case-by-case basis</p>		<p>prescriptions:</p> <p>Minerals and Energy: Closed to oil and gas operations Locatable - Closed Other Minerals - Closed Coal – Not available for leasing</p> <p>OHV: Limited to designated routes</p> <p>VRM: Class III</p> <p>Lands and Realty: ROW – avoidance; accept wind energy applications on case-by-case basis.</p>	<p>Minerals and Energy: Closed to oil and gas operations Locatable - Closed Other Minerals - Closed Coal - Not available for leasing</p> <p>OHV: Closed</p> <p>VRM: Class II</p> <p>Lands and Realty: ROW – exclusion; no wind energy</p>
<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p> <p>Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.</p>	Same as Alternative A.	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. The area has no known potential, so impacts of not being able to develop the resource would be minimal.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	Same as Alternative C.
<i>Lands with Backcountry Characteristics outside existing WSAs</i>			
No Similar Action	No similar action	No similar action	Cross Mountain Area XX acres adjacent to Cross Mountain WSA. See Map X.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			<p>Objective: Provide backcountry recreation experience in predominantly natural settings</p> <p>Minerals and Energy:            Closed to oil and gas operations            Locatable - Closed            Other Minerals - Closed            Coal – Not available for leasing</p> <p>OHV: Closed</p> <p>VRM: Class II</p> <p>Lands and Realty: ROW – exclusion.</p>
			<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>
No similar action	No similar action	No similar action	<p>Diamond Breaks Area            XX acres adjacent to Diamond Breaks WSA. See Map X.</p> <p>Objective: Provide backcountry recreation experience in predominantly natural settings</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			<p>Minerals and Energy:            Closed to oil and gas operations            Locatable - Closed            Other Minerals - Closed            Coal - Not available for leasing</p> <p>OHV: Closed</p> <p>VRM: Class II</p> <p>Lands and Realty: ROW –            exclusion.</p>
			<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. The area has no known potential, so impacts of not being able to develop the resource would be minimal. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>
No similar action	No similar action	No similar action	<p>Pinyon Ridge Area            XX acres. See Map X.</p> <p>Objective: Provide backcountry recreation experience in predominantly natural settings</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			Minerals and Energy: Closed to oil and gas operations Locatable - Closed Other Minerals - Closed Coal - Not available for leasing  OHV: Closed  VRM: Class II Lands and Realty: ROW – exclusion.
			Closing XX acres to oil and gas leasing would result in leaving resources in the ground. The area has low potential, so impacts of not being able to develop the resource would be minimal. Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.
<b>VISUAL RESOURCE MANAGEMENT (VRM)</b>			
<b>VRM Class I</b>			
WSAs (manage in accordance with IM)	Same as Alternative A	Same as Alternative A	In addition to WSAs, Cross Mountain Canyon ACEC
VRM Class I objectives would prohibit the location of mineral exploration and development	Same as Alternative A	Same as Alternative A	VRM Class I objectives would prohibit the location of mineral exploration and development

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
facilities (XX acres).			facilities (XX acres).
<b>VRM Class II</b>			
No similar action	Vermillion Bluffs	<ul style="list-style-type: none"> <li>• Suitable WSR corridors</li> <li>• Limestone Ridge area</li> <li>• Irish Canyon ACEC</li> <li>• Zone 2 and Vermillion Bluffs areas of Vermillion Basin</li> <li>• Dinosaur North wilderness character area</li> </ul>	<ul style="list-style-type: none"> <li>• Suitable WSR corridors</li> <li>• Limestone Ridge ACEC</li> <li>• Irish Canyon ACEC</li> <li>• Lookout Mountain ACEC</li> <li>• Vermillion Basin SRMA</li> <li>• Dinosaur North SRMA</li> <li>• Cold Springs Mountain SRMA</li> <li>• Cross Mountain area outside WSA</li> <li>• Diamond Breaks area outside WSA</li> <li>• Pinyon Ridge area</li> </ul>
	VRM Class II objectives would influence the location of development as well as the size and coloration of facilities and would increase costs of development (XX acres).	VRM Class II objectives would influence the location of development as well as the size and coloration of facilities and would increase costs of development (XX acres).	VRM Class II objectives would influence the location of development as well as the size and coloration of facilities and would increase costs of development (XX acres).
<b>VRM Class III</b>			
<b>VRM Class IV</b>			
<b>ENERGY AND MINERALS</b>			
<b>Oil and Gas</b>			
<b>Leasing Decisions</b>			
A. Lease with standard lease terms and conditions plus specified stipulations	Lease with standard lease terms and conditions and non-discretionary stipulations.	Lease with standard lease terms and conditions plus specified stipulations.	Lease with standard lease terms and conditions plus specified stipulations.
B. The RMPPA is available for oil and gas leasing.	Resources would be protected and impacts mitigated through site specific NEPA documents.	Exceptions, modifications, and waivers could be provided as	Exceptions, modifications, and waivers could be provided as

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>Areas have been designated for leasing with standard stipulations, seasonal restrictions, avoidance stipulations, performance objectives, or no-surface-occupancy stipulations; areas where no new leasing is allowed have also been identified.</p> <p>C. 1,878,000 acres of BLM-administered mineral estate within the Little Snake RMPPA are open to oil and gas leasing and development, subject to the lease terms and (as applicable) lease stipulations noted in Appendix A of the Amendment.</p>	<p>See Appendix OG for explanation of the BLM's oil and gas leasing and development process.</p>	<p>detailed in Appendix X.</p>	<p>detailed in Appendix X.</p>
<p>Refer to impact analysis for leasing decisions below.</p>	<p>Refer to impact analysis for leasing decisions below.</p>	<p>Refer to impact analysis for leasing decisions below.</p>	<p>Refer to impact analysis for leasing decisions below.</p>
<b>Closed to Oil and Gas Leasing</b>			
<p>D. WSAs</p>	<p>WSAs</p>	<p>WSAs; Limestone Ridge, Dinosaur North, Cold Springs Area (outside WSA), Vermillion Basin (Zone 2), Irish Canyon ACEC; WSR Segments 1, 2, and 3.</p>	<p>WSAs, Vermillion Basin, Limestone Ridge ACEC, Cross Mountain Canyon ACEC, Irish Canyon ACEC, all suitable WSR segments; Cross Mountain backcountry area; Diamond Breaks backcountry area; Pinyon Ridge backcountry area; Little Yampa Canyon SRMA, Juniper Mountain SRMA; Cedar Mountain</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			SRMA; Dinosaur North SRMA, Cold Springs Area SRMA,
Closing XX acres to oil and gas leasing would result in leaving resources in the ground.	Same as Alternative A.	Closing XX acres to oil and gas leasing would result in leaving resources in the ground.	Closing XX acres to oil and gas leasing would result in leaving resources in the ground.
<b>No Surface Occupancy Stipulations</b>			
E. Leases within the area of federally leased coal lands where oil and gas development would likely be incompatible with coal extraction. Stipulation may be waived if lessee agrees to outlined conditions.	Same as Alternative A. [Assuming this is non-discretionary]	Same as Alternative A.	Same as Alternative A.
Areas open to oil and gas leasing with NSO stipulations (XX acres) could require directional drilling or other extraction methods to access resources. This management action could result delay of development and the relocation of facilities.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
F. Special status plant species: NSO on habitat areas containing special status species (federally listed, proposed, and candidate). NSO may be altered after important factors are considered in the impact analysis such as the type and amount of	No similar action	No similar action	No similar action.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
surface disturbance, plant frequency and density, and the relocation of disturbances.			
Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.			
G. NSO areas: Limestone Ridge ACEC; Cross Mountain Canyon ACEC; Little Yampa/Juniper Canyon SRMA; Cedar Mountain SRMA; Steamboat Lake State Park; Pearl Lake State Park. No exceptions.	No similar action	Lookout Mountain, Little Yampa Canyon SRMA, Juniper Mountain SRMA, Cedar Mountain SRMA	Lookout Mountain ACEC, White-tailed prairie dog ACEC
Areas open to oil and gas leasing with NSO stipulations (XX acres) could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Because directional drilling would not be feasible in inner-most areas of Little Yampa/Juniper Canyon SRMA, resources would be left		Areas open to oil and gas leasing with NSO stipulations (XX acres) could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Because directional drilling would not be feasible in inner-most areas of Little Yampa SRMA and Lookout Mountain, resources would be left in the ground.	Areas open to oil and gas leasing with NSO stipulations (XX acres) could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities. Because directional drilling would not be feasible in inner-most areas of Lookout Mountain ACEC and White-tailed prairie dog ACEC, substantial resources would be left in the ground.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
in the ground.			
<b>Controlled Surface Use Stipulations</b>			
H. No similar action.	Special status plant species: CSU on habitat areas containing special status species (federally listed, proposed, and candidate). Exception criteria detailed in Appendix X apply.	Same as Alternative B.	Same as Alternative B.
	Controlled surface use stipulations could directly influence the placement of oil and gas facilities.	Same as Alternative B.	Same as Alternative B.
I. Attached to leases where operations proposed within the area of an approved surface or underground coal mine will be relocated outside the area to be mined or to accommodate room and pillar mining operations. Stipulations may be waived subject to outlined conditions.	Same as Alternative A. [Assuming this is non-discretionary]	Same as Alternative A.	Same as Alternative A.
Controlled surface use stipulations could directly influence the placement of oil and gas facilities.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
J. Fragile Soil Areas – performance objectives must be met prior to surface disturbance.	No similar action	Fragile Soil Areas (see Soils section for performance objectives and fragile soil criteria)	Same as Alternative C
(see Soils section for	(see Soils section for	(see Soils section for performance	(see Soils section for performance

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
performance objectives and fragile soil criteria)	performance objectives and fragile soil criteria)	objectives and fragile soil criteria)	objectives and fragile soil criteria)
K. Prior to surface disturbance on slopes of, or greater than, 40 percent, an engineering/ reclamation plan must be approved by the Authorized Officer. Stipulations may be excepted subject to an on-site impact analysis. Stipulation not applied where the Authorized Officer determines that relocation up to 200 meters can be applied to protect the riparian system during well siting.	No similar action	Prior to surface disturbance on slopes of, or greater than, 35 percent, an engineering/ reclamation plan must be approved by the Authorized Officer. Stipulations may be excepted subject to an on-site impact analysis. Stipulation not applied where the Authorized Officer determines that relocation up to 200 meters can be applied to protect the riparian system during well siting.	Same as Alternative C
This stipulation could directly influence the placement of oil and gas facilities on XX acres.		This stipulation could directly influence the placement of oil and gas facilities on XX acres.	Same as Alternative C
<b>Timing Limitations Stipulations</b>			
L. No helicopter or motor vehicle use allowed in the wild horse herd management area during foaling season (March 2 to June 30). No exceptions.	No similar action.	Consider seasonal closures in wild horse foaling areas on an as needed basis for all activities based on site specific transportation planning results, consistency with other resource restrictions, and resource conflicts. (Alternative issue here?)	The wild horse herd management area would be closed to motor vehicle use and all permitted activities during the wild horse foaling period (March 2 to June 30).
Not allowing motor vehicle use in horse herd management areas would significantly limit access to mineral operations		Not allowing motor vehicle use in horse herd management areas on an as needed basis could limit	Not allowing motor vehicle use in horse herd management areas would significantly limit access to

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>and would delay drilling and exploration activities from March 2 to June 30.</p> <p>Operators would have to shut down production during this time period. Operators would be restricted from monitoring and mitigating health, safety and environmental concerns.</p>		<p>access to mineral operations. The restriction could delay drilling and exploration activities.</p> <p>If this were to be enforced, operators would have to shut down production during this time period. Operators would be restricted from monitoring and mitigating health, safety and environmental concerns.</p>	<p>mineral operations and would delay drilling and exploration activities from March 2 to June 30.</p> <p>Operators would have to shut down production during this time period. Operators would be restricted from monitoring and mitigating health, safety and environmental concerns.</p>
<p>M. No drilling or development operations permitted within 1-mile radius from March 1 to December 1 from Wild Horse Spring, Sheepherder Spring, Coffee Pot Spring, Two Bar Spring, and Dugout Draw Spring. Exceptions would include provision, by the operator, of an alternate dependable water source at a suitable location outside the mile radius of the spring prior to authorized activity.</p>	<p>No similar action.</p>	<p>Consider seasonal closures around wild horse water sources on an as needed basis for all activities based on consistency with other resource restrictions and resource conflicts. (Alternative issue here?)</p>	<p>Same as Alternative A.</p>
<p>Seasonal restrictions would restrict the time available to complete exploration and development activities. The restrictions could defer oil and gas development activities and could require adjustments in drilling or exploration. Where</p>		<p>Seasonal closures around wild horse water sources could defer oil and gas development activities and could require adjustments in drilling or exploration.</p>	<p>Same as Alternative A.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
seasonal restrictions severely limit the time available to complete activities, relocation of surface facilities may be required. Exceptions to seasonal restrictions would in some cases allow development activities to occur.			
<b>Open</b>			
N. All remaining areas subject to existing standard terms and conditions consistent with applicable law.	All remaining areas subject to existing standard terms and conditions consistent with applicable law.	All remaining areas subject to existing standard terms and conditions consistent with applicable law.	All remaining areas subject to existing standard terms and conditions consistent with applicable law.
XX acres open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.	XX acres open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.	XX acres open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.	XX acres open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.
<b>Exception, Waiver, and/or Modification</b>			
O. Stipulations or restrictions may be waived or reduced if resource conditions change and the protection is no longer necessary or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts.	Same as Alternative A	Exception (case-by-case temporary), waiver (permanent exemption), and modification (change stip) criteria would be applied on a case-by-case basis consistent with the process identified in Appendix X.	Same as Alternative C.
Allowing exceptions to stipulations or restrictions could allow the operator to use	Same as Alternative A.	Allowing exceptions to stipulations or restrictions could allow the operator to use conventional drilling	

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
conventional drilling methods to access resources or conduct drilling operations without timing limitations, which would facilitate more efficient development of the resource and not affect operating costs.		methods to access resources or conduct drilling operations without timing limitations, which would facilitate more efficient development of the resource and not affect operating costs.	
P. Conditions of Approval will be applied to operational approvals as determined necessary by the Authorized Officer to protect other resources and values within the terms, conditions, and stipulations of the lease contract.	Same as Alternative A	Same as Alternative A	Same as Alternative A
Applying Conditions of Approval could result in the relocation of facilities in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, or could restrict the time available to complete exploration and development activities which would potentially increase operating expenses.	Same as Alternative A	Same as Alternative A	Same as Alternative A
<b>Vermillion Basin</b>			
Q. Open to leasing subject to standard terms and conditions and specific stipulations.	Open to new oil and gas leasing with a Controlled Surface Use stipulation. Stipulation language would	Zone 1 (Northern Zone of High and Medium potential): Open to new oil and gas leasing with a Controlled Surface Use	Closed to leasing.

**Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS**

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
	<p>reference Objectives below.</p> <ul style="list-style-type: none"> <li>• Allow for oil and gas leasing, exploration, and development by utilizing Best Management Practices, while protecting natural values.</li> <li>• Manage for the least amount of surface disturbance consistent with lease rights by focusing development near existing trails, ROWs, canyons and washes and clustering wells where feasible.</li> <li>• Manage to minimize visual intrusions, Lookout Mountain as observation point</li> </ul> <p>Control infrastructure by requiring pre-planning, including transportation planning.</p> <p>Lease in larger leases (4 section blocks) in order to facilitate seismic exploration and allow operators to drill fewer wells.</p>	<p>stipulation. Stipulation language would reference Objectives below.</p> <ul style="list-style-type: none"> <li>• Allow for oil and gas leasing, exploration, and development by utilizing Best Management Practices, while protecting natural values.</li> <li>• Manage for the least amount of surface disturbance consistent with lease rights by focusing development near existing trails, ROWs, canyons and washes and clustering wells where feasible.</li> <li>• Manage to minimize visual intrusions, Lookout Mountain as observation point</li> <li>• Control infrastructure by requiring pre-planning, including transportation planning.</li> <li>• Lease in larger leases (4 section blocks) in order to facilitate seismic exploration and allow operators to drill fewer wells</li> <li>• Long term goal for Vermillion Basin is to manage the area so that any disturbance caused by permitted actions will eventually be returned to the state prior to development.</li> </ul> <p>Zone 2: (Southwest area of Low and No Known potential)</p>	

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		Closed to new oil and gas leasing	
<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p> <p>Areas open to locatable mineral entry and other minerals would allow for exploration and development activities associated with these minerals.</p>	<p>Controlled surface use stipulations could directly influence the placement of oil and gas facilities.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	<p>Zone 1: Controlled surface use stipulations could directly influence the placement of oil and gas facilities.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p> <p>Zone 2: Closing XX acres to oil and gas leasing would result in leaving resources in the ground. The area has low to no known potential, so impacts of not being able to develop the resource would be minimal.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>	<p>Closing XX acres to oil and gas leasing would result in leaving substantial resources in the ground.</p> <p>Closing XX acres to locatable mineral entry and other minerals would prohibit exploration and development activities associated with these minerals.</p>
<b>Locatable Minerals, Mineral Materials, and Non-Energy Leasable Minerals, Others</b>			
<p>A. All public land is open to mineral entry and development under the General Mining Law of 1872 unless administratively withdrawn or proposed for withdrawal (proposed wilderness designation). Locatable mineral exploration and development on public</p>	<p>Same as Alternative A, except Limestone Ridge ACEC open to mineral location.</p> <p>Vermillion Basin would be withdrawn from mineral location.</p>	<p>WSAs, Lookout Mountain ACEC, Cross Mountain Canyon ACEC, WSR suitable segments 1, 2, and 3, Vermillion Basin, Dinosaur North, Cold Springs Mountain; Cedar Mountain SRMA; South Sand Wash SRMA; Serviceberry SRMA; Flycreek SRMA; would be withdrawn from mineral location.</p>	<p>WSAs, all ACECs, all suitable WSR segments, Vermillion Basin, Dinosaur North, Cross Mountain backcountry area, Diamond Breaks backcountry area, Pinyon Ridge backcountry area; Little Yampa Canyon SRMA, Juniper Mountain SRMA; Cedar Mountain SRMA; South Sand Wash SRMA; Serviceberry SRMA; Flycreek SRMA; Cold Springs Mountain</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
land would be regulated under 43 CFR 3800.  B. No Action – all areas open except WSAs, Limestone Ridge ACEC			SRMA would be withdrawn from mineral location.
Areas open to locatable mineral entry would allow for locatable mineral development and exploration.	Areas open to locatable mineral entry would allow for locatable mineral development and exploration. Withdrawing areas would directly decrease the extraction and beneficial use of locatable minerals.	Withdrawing XX acres would directly decrease the extraction and beneficial use of locatable minerals.	Withdrawing XX acres would directly decrease the extraction and beneficial use of locatable minerals.
C. Applications for removing common variety mineral materials, including sand and gravel, will continue to be processed as they are received. Interdisciplinary review of each proposal will determine stipulations to protect important surface values. Mineral material sales will not be allowed in WSAs, Cross Mountain Canyon ACEC, Limestone Ridge ACEC/RNA, Little Yampa/Juniper Canyon SRMA, and the Cedar Mountain Recreation management unit.	Same as Alternative A	WSAs, Limestone Ridge ACEC, Lookout Mountain ACEC, Cross Mountain Canyon ACEC, WSR suitable segments 1, 2, and 3, Vermillion Basin, Cedar Mountain SRMA would be closed to mineral material sales.	WSAs, all ACECs, all suitable WSR segments, Vermillion Basin, Dinosaur North, Cross Mountain backcountry area, Diamond Breaks backcountry area, Pinyon Ridge backcountry area; Little Yampa Canyon SRMA, Juniper Mountain SRMA; Cedar Mountain SRMA; Serviceberry SRMA; Cold Springs Mountain SRMA would be closed to mineral material sales.
Closing XX acres to mineral	Same as Alternative A.	Closing XX acres to mineral	Closing XX acres to mineral

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
materials would directly decrease the extraction and beneficial use of mineral materials.		materials would directly decrease the extraction and beneficial use of mineral materials.	materials would directly decrease the extraction and beneficial use of mineral materials.
<p>D. BLM will consider leasing geothermal energy resources or other leasable minerals as each application is received. Minerals that are leasable only on lands acquired under the Bankhead Jones Act will be treated as other leasable minerals. In Cross Mountain Canyon ACEC, Limestone Ridge ACEC/RNA, Little Yampa/Juniper Canyon SRMA, and the Cedar Mountain recreation management unit, leasing of other minerals for underground mining will be allowed with no-surface-occupancy stipulations. Leasing for surface mining will not be allowed in these four areas.</p> <p>E. Existing decisions apply. Specific areas to be consistent with oil and gas leasing categories by alternative (surface only).</p>	Lease specific areas consistent with oil and gas leasing categories above. Underground mining will be allowed throughout the RMPPA except where limited by applicable law.	Lease specific areas consistent with oil and gas leasing categories above. Underground mining will be allowed throughout the RMPPA except where limited by applicable law.	Lease specific areas consistent with oil and gas leasing categories above. Underground mining will be allowed throughout the RMPPA except where limited by applicable law.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
Areas open to mineral leasing would allow for exploration and development of other leasable minerals.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
F. New leases and mineral material sales within fragile soil and water areas such as the Vermillion Management Unit will be subject to the performance objectives described under Soil Resources.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
Restricting surface disturbance activities could, in some cases, result in the relocation of mineral facilities. This avoidance measure could require installation of facilities in areas that are more difficult to develop or reclaim, or that are located farther from the mineral resource, which would potentially increase operating expenses. This management action would limit the number mineral facilities.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
<b>Coal and Oil Shale</b>			
<b>Coal</b>			
A. Approximately 638,800 acres (containing an estimated 5.8 billion tons of coal) are acceptable for further consideration for	Lands found acceptable in this resource management plan (RMP) will be available for further consideration for leasing	Same as Alternative B.	Same as Alternative B, but only XX acres are suitable for surface mining after no lease decision for Little Yampa Canyon SRMA).

**Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS**

<b>ALTERNATIVE A (NO ACTION ALTERNATIVE)</b>	<b>ALTERNATIVE B</b>	<b>ALTERNATIVE C</b>	<b>ALTERNATIVE D</b>
<p>federal coal leasing. Of this total, approximately 457,089 acres (an estimated 4.2 billion tons of coal) are acceptable for further consideration for leasing for surface or underground development.</p>	<p>and/or exchange. However, all lands determined to be suitable, unsuitable, or unacceptable for further consideration for leasing and/or exchange may be reviewed and suitability determinations modified based on new data during activity planning efforts. Unsuitability criteria apply only to surface coal mining, not underground mining.</p> <p>The lands with coal resource development potential in the Little Snake coal planning area are located in the Yampa and Dansforth Hills Coal Fields. The coal planning includes federal coal within the following townships:</p> <p>Sixth Principal Meridian  T. 3 N., R. 85 W.  T. 3 N., R. 86 W.  T. 3 N., R. 90 W. - R. 95 W.  T. 4 N., R. 86 W. - R. 95 W.  T. 5 N., R. 85 W. - R. 93 W.  T. 6 N., R. 86 W. - R. 93 W.  T. 7 N., R. 87 W. - R. 94 W.  T. 8 N., R. 86 W. - R. 94 W.  T. 9 N., R. 86 W.</p>		

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
	<p>The coal planning area contains approximately 671,168 acres federal coal lands. This entire area is available for underground coal mining.</p> <p>Unsuitability criteria were applied to these lands to determine areas unsuitable for surface mining. Results are shown in Appendix "Coal."</p> <p>After applying unsuitability criteria and exceptions, approximately 621,978 acres are acceptable for further consideration for leasing for surface or underground development.</p>		
Areas suitable for further leasing consideration (XX acres) could be developed for surface or underground coal development.	Areas suitable for further leasing consideration (XX acres) could be developed for surface or underground coal development.	Same as Alternative B	Areas suitable for further leasing consideration (XX acres) could be developed for surface or underground coal development.
B. Approximately 181,669 acres (an estimated 1.3 billion tons of coal) are acceptable for further consideration for leasing for underground development only (RMP/ROD pages 7-8).	No Similar Action (see above)	No Similar Action (see above)	No Similar Action (see above)

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
Approximately 266 million tons of coal throughout the region are not available for surface mining.			
Areas suitable for further leasing consideration (XX acres) could be developed for surface coal development.	No Similar Action (see above)	No Similar Action (see above)	No Similar Action (see above)
C. Exploratory drilling will be allowed in order to obtain sufficient data for resource management decisions and fair market value determinations.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
Allowing exploratory drilling will provide operators with more complete data about the resources.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
D. No Surface Occupancy stipulations will be used to protect Cross Mountain Canyon and Limestone Ridge Areas of Critical Environmental Concern (ACEC); Little Yampa/Juniper Canyon, Cedar Mountain Special Recreation Management Areas; Steamboat Lake and Pearl Lake State Parks; coal mines where development would be incompatible with the planned coal extraction; grouse, raptor, bald eagle,	Same as Alternative A. In addition, Stagecoach State Park would also be designated NSO.	Same as Alternative B.	Same as Alternative B.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
peregrine falcon, Mexican spotted owl, waterfowl and shorebird nests; and special status plant species.			
No surface occupancy on XX acres would restrict the area available for placement of surface facilities associated with coal mining operations.	No surface occupancy on XX acres would limit the area available for placement of surface facilities associated with coal mining operations.	Same as Alternative B.	Same as Alternative B.
E. Controlled Surface Use stipulations will be used to protect coal mines from oil and gas development where the mining method or location is such that location of subsequent wells can avoid significant conflicts, fragile soil areas, steep slopes, riparian/wetland vegetation, and Irish Canyon, and Lookout Mountain ACECs.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
Controlled Surface Use stipulations on XX acres could directly influence the placement of oil and gas facilities and delay the development of oil and gas resources.	Same as Alternative A.	Same as Alternative A.	Same as Alternative A.
<b>Oil Shale</b>			
G. BLM will consider leasing	BLM will consider leasing Oil	Same as Alternative B, recognizing	Same as Alternative B, recognizing

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
other leasable minerals as each application is received. (ROD p. 10)	Shale as each application is received. Lands available for leasing are consistent with lands available for oil and gas leasing or coal leasing, depending on the extraction method (i.e. in-situ or mined),	different areas will be open to leasing because of consistency with oil and gas and coal decisions in this alternative.	different areas will be open to leasing because of consistency with oil and gas and coal decisions in this alternative.
XX acres open to mineral leasing would allow for exploration and development of other leasable minerals.	XX acres open to mineral leasing would allow for exploration and development of other leasable minerals.	XX acres open to mineral leasing would allow for exploration and development of other leasable minerals.	XX acres open to mineral leasing would allow for exploration and development of other leasable minerals.
<b>RECREATION</b>			
<b>Special Recreation Management Areas</b>			
<b><i>Little Yampa/Juniper Canyon</i></b>			
<u>Zone:</u> Zone 1: Yampa River Corridor <u>Market:</u> Community <u>Objective:</u> Activities: Non-motorized boating, motorized boating, camping Experiences: Savoring canyon and river aesthetics; testing your endurance; enjoying risk-taking adventure Benefits: Improved skills for outdoor enjoyment with others; heightened sense of satisfaction with our community; greater sense of adventure	No similar action.	<u>Zone:</u> Zone 1: Yampa River Corridor <u>Market:</u> Community <u>Objective:</u> Activities: Non-motorized boating, motorized boating, camping Experiences: Enjoying canyon and river aesthetics; testing your endurance; enjoying risk-taking adventure Benefits: Improved skills for outdoor enjoyment with others; heightened sense of satisfaction with our community; greater sense of adventure <u>Prescribed setting character</u> Physical: Middle Country east of	<u>Zone:</u> Zone 1: Yampa River Corridor <u>Market:</u> Community <u>Objective:</u> Activities: Non-motorized boating, limited motorized boating, camping Experiences: Enjoying canyon and river aesthetics; feeling good about solitude and being isolated from other people and services; testing your endurance; enjoying risk-taking adventure Benefits: Improved skills for outdoor enjoyment with others; heightened sense of satisfaction with our community; greater sense of adventure; closer relationship with

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p><u>Prescribed setting character</u> Physical: Middle Country east of Milk Creek, Back Country west of Milk Creek. Social: Middle Country east of Milk Creek, Back Country west of Milk Creek. Administrative: Back country <u>Activity Planning Framework</u> Management: Access will be negotiated for parking areas at put-in and take-out points. Other facilities will be constructed as needed for public sanitation and safety. Marketing: A map/brochure will be developed to promote visitor health and safety, provide resource protection, and inform the public of available opportunities. Involve Colorado State Parks in developing interpretation, education, and public outreach. Monitoring: Monitor motorized river boating to gauge if management actions and resulting use is producing targeted recreation opportunities and facilitating their attainment as outcomes. Monitor camp site conditions</p>		<p>Milk Creek, Back Country west of Milk Creek. Social: Middle Country east of Milk Creek, Back Country west of Milk Creek. Administrative: Back country <u>Activity Planning Framework</u> Management: Modify roads and trails as needed to mitigate impacts Marketing: Involve Colorado State Parks in developing interpretation, education, and public outreach. Monitoring: In conjunction with State Parks, monitor motorized river boating to gauge if management actions and resulting use is producing targeted recreation opportunities and facilitating their attainment as outcomes. Monitor camp site conditions and use. Administration:  <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>No Surface Occupancy for oil and gas exploration and development</li> <li>Locatable - Open</li> <li>Other Minerals - Open</li> <li>Coal - Open</li> </ul> </li> <li>• OHV: Limited to Designated Routes</li> <li>• VRM: Class II from river bottom to ridgeline; Class III</li> </ul> </p>	<p>the natural world; conservation of entire ecosystems in natural state. <u>Prescribed setting character</u> Physical: Middle Country east of Milk Creek, Back Country west of Milk Creek. Social: Back country Administrative: Primitive <u>Activity Planning Framework</u> Management: Close and restore roads that have no administrative benefit. Restrict motorized access to the river. Marketing: Involve Colorado State Parks in developing interpretation, education, and public outreach. Monitoring: Monitor motorized river boating to gauge if management actions and resulting use is producing targeted recreation opportunities and facilitating their attainment as outcomes. Monitor camp site conditions and use. Administration:  <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Closed to oil and gas exploration and development</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Closed</li> </ul> </li> <li>• OHV: XX acres Closed; XX</li> </ul> </p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>and use.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>No Surface Occupancy for oil and gas exploration and development</li> <li>Locatable - Open</li> <li>Other Minerals - Open</li> <li>Coal - Open</li> </ul> </li> <li>• OHV: Limited to Designated Routes</li> </ul> <p>A. VRM: Not determined</p>		<p>in all other areas</p> <ul style="list-style-type: none"> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>	<p>acres Limited to Designated Routes. (To be calculated when GIS is completed)</p> <ul style="list-style-type: none"> <li>• VRM: Class II from river bottom to ridgeline; Class III in all other areas.</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>
<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p> <p>Areas open to locatable mineral entry, other minerals, and coal would allow for exploration and development activities associated with these minerals.</p>		<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p> <p>Areas open to locatable mineral entry, other minerals, and coal would allow for exploration and development activities associated with these minerals.</p>	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. This area is rated high/moderate/low for oil and gas occurrence potential.</p> <p>Closing XX acres to locatable mineral entry, other minerals, and coal would decrease the extraction and beneficial use of locatable and other minerals.</p>
<p>Zone 2: No similar action. This area was not included in the SRMA.</p>	<p>No similar action.</p>	<p><u>Zone:</u> Zone 2: North of CR 17 <u>Market:</u> Destination</p>	<p><u>Zone:</u> Zone 2: North of CR 17 <u>Market:</u> Destination</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p><u>Objective:</u>            Activities: Predominantly motorized big game hunting and some non-motorized hunting, camping, wildlife watching            Experiences: Developing your skills and abilities; gaining a greater sense of achievement;            Benefits: Greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability</p> <p><u>Prescribed setting character</u>            Physical: Middle country            Social: Middle country            Administrative: Middle country</p> <p><u>Activity Planning Framework</u>            Management: Provide camping facilities and improved roads to these facilities in high impact areas related to hunting season uses.            Marketing: In partnership with Division of Wildlife and local Chambers of Commerce, increase education and interpretation during hunting season to reduce resource impacts and conflicts.            Monitoring: Monitor user experience and satisfaction, camp site conditions and use.            Administration:</p> <ul style="list-style-type: none"> <li>Minerals and Energy:</li> </ul>	<p><u>Objective:</u>            Activities: Predominantly non-motorized big game hunting and some motorized hunting, camping, wildlife watching            Experiences: Developing your skills and abilities; gaining a greater sense of achievement; enjoying getting some physical exercise; feeling good about solitude and being isolated from other people and services            Benefits: Greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability; closer relationship with the natural world; conservation of entire ecosystems in natural state.</p> <p><u>Prescribed setting character</u>            Physical: Back country            Social: Back country            Administrative: Back country</p> <p><u>Activity Planning Framework</u>            Management: Provide camping facilities in high impact areas related to hunting season uses.            Marketing: In partnership with Division of Wildlife and local Chambers of Commerce, increase education and interpretation during hunting season to reduce resource</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>No Surface Occupancy for oil and gas exploration and development Locatable - Open Other Minerals - Open Coal - Open</p> <ul style="list-style-type: none"> <li>• OHV: Limited to Designated Routes</li> <li>• VRM: Class II from river bottom to ridgeline; Class III in all other areas</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>	<p>impacts and conflicts. Monitoring: Monitor user experience and satisfaction, camp site conditions and use. Monitor to ensure compliance of the motor vehicle closures. Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Closed to oil and gas exploration and development</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Closed</li> </ul> </li> <li>• OHV: Limited to Designated Routes.</li> <li>• VRM: Class II from river bottom to ridgeline; Class III in all other areas.</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>
		<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p>	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. This area is rated high/moderate/low for oil and gas occurrence potential.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		Areas open to locatable mineral entry, other minerals, and coal would allow for exploration and development activities associated with these minerals.	Closing XX acres to locatable mineral entry, other minerals, and coal would decrease the extraction and beneficial use of these minerals.
<b>Juniper Mountain</b>			
Juniper Mountain is currently managed within the Little Yampa /Juniper Canyon SRMA. See Little Yampa Canyon SRMA.	Juniper Mountain will be managed as an ERMA. See the ERMA objectives below.	<p>The Juniper Canyon portion of the existing Little Yampa/Juniper Canyon SRMA will be administered as the Juniper Mountain SRMA.</p> <p><u>Zone:</u> Zone 1: Yampa River Corridor</p> <p><u>Market:</u> Community</p> <p><u>Objective:</u></p> <p>Activities: Day use motorized and non-motorized boating</p> <p>Experiences: Enjoying canyon and river aesthetics; testing your endurance; enjoying risk-taking adventure.</p> <p>Benefits: Improved skills for outdoor enjoyment with others; heightened sense of satisfaction with our community; greater sense of adventure.</p> <p><u>Prescribed setting character</u></p> <p>Physical: Middle country</p> <p>Social: Middle country</p> <p>Administrative: Middle country</p> <p><u>Activity Planning Framework</u></p>	<p>The Juniper Canyon portion of the existing Little Yampa/Juniper Canyon SRMA will be administered as the Juniper Mountain SRMA.</p> <p><u>Zone:</u> Zone 1: Yampa River Corridor</p> <p><u>Market:</u> Community</p> <p><u>Objective:</u></p> <p>Activities: Day use non-motorized boating and limited motorized boating</p> <p>Experiences: Enjoying canyon and river aesthetics; feeling good about solitude and being isolated from other people and services; testing your endurance; enjoying risk-taking adventure.</p> <p>Benefits: Improved skills for outdoor enjoyment with others; heightened sense of satisfaction with our community; greater sense of adventure; closer relationship with the natural world.</p> <p><u>Prescribed setting character</u></p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>Management: Modify roads and trails as needed to mitigate impacts.</p> <p>Marketing: Involve Colorado State Parks in developing interpretation, education, and public outreach.</p> <p>Monitoring: In conjunction with State Parks, monitor motorized river boating to gauge if the use is changing the desired recreation experience.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>No Surface Occupancy for oil and gas exploration and development</li> <li>Locatable - Open</li> <li>Other Minerals - Open</li> <li>Coal - Open</li> </ul> </li> <li>• OHV: Limited to Designated Routes</li> <li>• VRM: Class II from river bottom to ridgeline; Class III in all other areas</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>	<p>Physical: Middle country</p> <p>Social: Back country</p> <p>Administrative: Back country</p> <p><u>Activity Planning Framework</u></p> <p>Management: Close and restore roads that have no administrative benefit.</p> <p>Marketing: Involve Colorado State Parks in developing interpretation, education, and public outreach.</p> <p>Monitoring: Monitor user experience and satisfaction.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Closed to oil and gas exploration and development</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Closed</li> </ul> </li> <li>• OHV: Limited to Designated Routes.</li> <li>• VRM: Class II from river bottom to ridgeline; Class III in all other areas.</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>
		Areas open to oil and gas leasing with NSO stipulations could require	Closing XX acres to oil and gas leasing would result in leaving

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p> <p>Areas open to locatable mineral entry, other minerals, and coal would allow for exploration and development activities associated with these minerals.</p>	<p>resources in the ground. This area is rated high/moderate/low for oil and gas occurrence potential. Closing XX acres to locatable mineral entry, other minerals, and coal would decrease the extraction and beneficial use of these minerals</p>
No similar action	No similar action	<p><u>Zone:</u> Zone 2: Outside river corridor  <u>Market:</u> Destination  <u>Objective:</u>            Activities: Hunting, camping            Experiences: Developing your skills and abilities; gaining a greater sense of achievement;            Benefits: Greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability  <u>Prescribed setting character</u>            Physical: Middle Country            Social: Middle Country            Administrative: Middle Country  <u>Activity Planning Framework</u>            Management: Provide camping facilities in high impact areas related to hunting season uses. Develop a managed and maintained motorized trail system within the area during hunting season.</p>	<p><u>Zone:</u> Zone 2: Outside river corridor  <u>Market:</u> Destination  <u>Objective:</u>            Activities: Hunting, camping            Experiences: Developing your skills and abilities; gaining a greater sense of achievement;            Benefits: Greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability  <u>Prescribed setting character</u>            Physical: Middle country            Social: Middle country            Administrative: Middle country  <u>Activity Planning Framework</u>            Management: Provide camping facilities in high impact areas related to hunting season uses. Develop a managed and maintained non-motorized trail system within the area during hunting season.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>Marketing: Work with chambers of commerce, adjacent land owners, and permitted outfitters to provide access and hunting experiences.</p> <p>Monitoring: Monitor camp site conditions and use as well as user experience and satisfaction.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>No Surface Occupancy for oil and gas exploration and development</li> <li>Locatable - Open</li> <li>Other Minerals - Open</li> <li>Coal - Open</li> </ul> </li> <li>• OHV: Limited to Designated Routes</li> <li>• VRM: Class II from river bottom to ridgeline; Class III in all other areas</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>	<p>Marketing: Work with chambers of commerce, adjacent land owners, and permitted outfitters to provide access and hunting experiences.</p> <p>Monitoring: Monitor camp site conditions and use, user experience and satisfaction. Monitor to ensure compliance of the motor vehicle closures.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Closed to oil and gas exploration and development</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Closed</li> </ul> </li> <li>• OHV: Limited to Designated Routes.</li> <li>• VRM: Class II from river bottom to ridgeline; Class III in all other areas.</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>
		<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p> <p>Areas open to locatable mineral</p>	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. This area is rated high/moderate/low for oil and gas occurrence potential.</p> <p>Closing XX acres to locatable mineral entry, other minerals, and</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		entry, other minerals, and coal would allow for exploration and development activities associated with these minerals.	coal would decrease the extraction and beneficial use of these minerals
<b><i>Cedar Mountain</i></b>			
B. No similar action	No similar action	<u>Zone:</u> Zone 1: Picnic area <u>Market:</u> Community <u>Objective:</u> Activities: Day use picnicking, hiking, wildlife viewing Experiences: Enjoying having access to close-to-home outdoor activities; enjoying having easy access to natural landscapes; enjoying the closeness of family. Benefits: Improved physical fitness; improved maintenance of physical facilities; increased awareness of natural landscapes; stronger ties to family and friends, vantage points provide improved appreciation for the Yampa Valley and surrounding areas. <u>Prescribed setting character</u> Physical: Rural Social: Rural Administrative: Rural <u>Activity Planning Framework</u> Management: Vehicle parking for picnicking and trail use will be provided. Prohibit overnight	<u>Zone:</u> Zone 1: Picnic area <u>Market:</u> Community <u>Objective:</u> Activities: Day use picnicking, hiking, wildlife viewing Experiences: Enjoying having access to close-to-home outdoor activities; enjoying having easy access to natural landscapes; enjoying the closeness of family. Benefits: Improved physical fitness; improved maintenance of physical facilities; increased awareness of natural landscapes; stronger ties to family and friends, vantage points provide improved appreciation for the Yampa Valley and surrounding areas. <u>Prescribed setting character</u> Physical: Rural Social: Rural Administrative: Rural <u>Activity Planning Framework</u> Management: Vehicle parking for picnicking and trail use will be provided. Prohibit overnight

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>camping, and discharging of firearms not associated with hunting.</p> <p>Marketing: Coordinate with City of Craig, Chamber of Commerce, communication site providers and local sport shops to provide maps, brochures, and other recreation information.</p> <p>Monitoring: Monitoring will occur to ensure user experiences are being met. Monitor compliance with restrictions and trail maintenance conditions.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>No Surface Occupancy for oil and gas leasing</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Closed</li> </ul> </li> <li>• OHV: Limited to designated routes</li> <li>• VRM: Class III</li> <li>• Lands and Realty: Require collocation of communication facilities.</li> <li>• Avoidance area for additional ROW</li> </ul>	<p>camping and discharging of firearms. Recreation use of the area would be restricted as a day use area (6:00 a.m. to 10:00 p.m.).</p> <p>Marketing: Coordinate with City of Craig, Chamber of Commerce, communication site providers and local sport shops to provide maps, brochures, and other recreation information.</p> <p>Monitoring: Monitoring will occur to ensure user experiences are being met. Monitor compliance with restrictions and trail maintenance conditions.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Closed to oil and gas leasing</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Closed</li> </ul> </li> <li>• OHV: Limited to designated routes</li> <li>• VRM: Class III</li> <li>• Lands and Realty: Require collocation of communication facilities.</li> <li>• Exclusion area for additional ROW</li> </ul>
		<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction</p>	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground. This area is</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>methods to access resources. This management action could result in the relocation of facilities.</p> <p>Closing XX acres to locatable mineral entry, other minerals, and coal would decrease the extraction and beneficial use of these minerals</p>	<p>rated high/moderate/low for oil and gas occurrence potential.</p> <p>Closing XX acres to locatable mineral entry, other minerals, and coal would decrease the extraction and beneficial use of these minerals</p>
C. No similar action	No similar action	<p><u>Zone:</u> Zone 2: Trail system  <u>Market:</u> Community  <u>Objective:</u>            Activities: Hiking, jogging, horseback riding, wildlife viewing            Experiences: Enjoying having access to close-to-home outdoor activities; Enjoying having easy access to natural landscapes; enjoying the closeness of family.            Benefits: Improved physical fitness; improved maintenance of physical facilities; increased awareness of natural landscapes; increased knowledge of wildlife, natural landscapes and ecology.  <u>Prescribed setting character</u>            Physical: Rural            Social: Rural            Administrative: Rural  <u>Activity Planning Framework</u>            Management: Provide and maintain a managed non-motorized trail system.            Marketing: Coordinate with City of</p>	<p><u>Zone:</u> Zone 2: Trail system  <u>Market:</u> Community  <u>Objective:</u>            Activities: Hiking, jogging, horseback riding, wildlife viewing            Experiences: Enjoying having access to close-to-home outdoor activities; Enjoying having easy access to natural landscapes; enjoying the closeness of family.            Benefits: Improved physical fitness; improved maintenance of physical facilities; increased awareness of natural landscapes; increased knowledge of wildlife, natural landscapes and ecology.  <u>Prescribed setting character</u>            Physical: Rural            Social: Rural            Administrative: Rural  <u>Activity Planning Framework</u>            Management: Provide and maintain a managed non-motorized and non-mechanized trail system.            Marketing: Coordinate with City of</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>Craig, Chamber of Commerce, communication site providers and local sport shops to provide maps, brochures, and other recreation information.</p> <p>Monitoring: Monitoring will occur to ensure user experiences are being met. Monitor compliance with restrictions and trail maintenance conditions.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>No Surface Occupancy for oil and gas leasing</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Closed</li> </ul> </li> <li>• OHV: Limited to designated routes</li> <li>• VRM: Class III</li> <li>• Lands and Realty: Require collocation of communication facilities.</li> <li>• Avoidance area for additional ROW</li> </ul>	<p>Craig, Chamber of Commerce, communication site providers, local sport shops, and Colorado Division of Wildlife to provide maps, brochures, and other recreation information.</p> <p>Monitoring: Monitoring will occur to ensure user experiences are being met. Monitor compliance with restrictions and trail maintenance conditions.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Closed to oil and gas leasing</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Closed</li> </ul> </li> <li>• OHV: Limited to designated routes</li> <li>• VRM: Class III</li> <li>• Lands and Realty: Require collocation of communication facilities.</li> <li>• Exclusion area for additional ROW</li> </ul>
		<p>Areas open to oil and gas leasing with NSO stipulations could require directional drilling or other extraction methods to access resources. This management action could result in the relocation of facilities.</p> <p>Closing XX acres to locatable</p>	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground.. This area is rated high/moderate/low for oil and gas occurrence potential.</p> <p>Closing XX acres to locatable mineral entry, other minerals, and</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		mineral entry, other minerals, and coal would decrease the extraction and beneficial use of these minerals	coal would decrease the extraction and beneficial use of these minerals
<b>South Sand Wash</b>			
D. No similar action	No similar action	<u>Zone:</u> Zone 1: Road corridors <u>Market:</u> Community <u>Objective:</u> Activities: Motorized recreation experiences and associated developed and undeveloped camping Experiences: Enjoying risk-taking adventure; enjoying the closeness of family; escaping from everyday stress and responsibilities. Benefits: Increased local tax and tourism revenue; greater family bonding; reduced negative impacts such as litter and disturbance to wildlife and wild horses; enhanced awareness and understanding of nature and recreation opportunities. <u>Prescribed setting character</u> Physical: Rural Social: Rural Administrative: Rural <u>Activity Planning Framework</u> Management: Coordinate with Moffat County and stakeholder groups to improve County Road access in South Sand Wash and to gravel the surface of these county	<u>Zone:</u> Zone 1: Road corridors <u>Market:</u> Community <u>Objective:</u> Activities: Motorized recreation experiences and associated developed and undeveloped camping Experiences: Enjoying risk-taking adventure; enjoying the closeness of family; escaping from everyday stress and responsibilities. Benefits: Increased local tax and tourism revenue; greater family bonding; reduced negative impacts such as litter and disturbance to wildlife and wild horses; enhanced awareness and understanding of nature and recreation opportunities. <u>Prescribed setting character</u> Physical: Rural Social: Rural Administrative: Rural <u>Activity Planning Framework</u> Management: Coordinate with Moffat County and stakeholder groups to improve County Road access in South Sand Wash and to gravel the surface of these county

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>roads. Provide trailhead, parking and developed camping facilities.</p> <p>Marketing: Coordinate with local OHV groups, commercial motorized vehicle suppliers, Chambers of Commerce and Moffat County to provide facilities, road improvements, and interpretation.</p> <p>Monitoring: In coordination with local stewardship and motorized recreation groups, monitor to determine the number of developed campsites and trailhead parking needed and their development levels, and additional service needs to meet user experiences and expectations. Monitor user experience and satisfaction.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Oil and gas leasing- Open</li> <li>Locatable - Closed</li> <li>Other Minerals - Open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Open</li> <li>• Developed Recreation sites- closed to all mineral actions</li> <li>• VRM: Class IV</li> <li>• Lands and Realty: Determined on a case-by-</li> </ul>	<p>roads. Provide trailhead, parking and developed camping facilities.</p> <p>Marketing: Coordinate with local OHV groups, commercial motorized vehicle suppliers, Chambers of Commerce and Moffat County to provide facilities, road improvements, and interpretation.</p> <p>Monitoring: In coordination with local stewardship and motorized recreation groups, monitor to determine the number of developed campsites and trailhead parking needed and their development levels, and additional service needs to meet user experiences and expectations. Monitor user experience and satisfaction.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Oil and gas leasing- Open</li> <li>Locatable - Closed</li> <li>Other Minerals - Open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Open</li> <li>• Developed Recreation sites- closed to all mineral actions</li> <li>• VRM: Class IV</li> <li>• Lands and Realty: Determined on a case-by-</li> </ul>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		case basis consistent with SRMA objectives.	case basis consistent with SRMA objectives.
		Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions. Closing XX acres to locatable mineral entry would decrease the extraction and beneficial use of locatable minerals.	Same as Alternative C.
E. No similar action	No similar action	<u>Zone:</u> Zone 2: Open play area <u>Market:</u> Community <u>Objective:</u> Activities: Off-road motorized recreation experiences Experiences: Enjoying risk-taking adventure; enjoying the closeness of family; developing riding skills and abilities Benefits: Enhanced sense of personal freedom; restored mind from unwanted stress; greater sense of adventure; improved maintenance of physical facilities; positive contribution to local economy <u>Prescribed setting character</u> Physical: Rural Social: Rural Administrative: Rural <u>Activity Planning Framework</u> Management: Identify and sign	<u>Zone:</u> Zone 2: Open play area <u>Market:</u> Community <u>Objective:</u> Activities: Off-road motorized recreation experiences Experiences: Enjoying risk-taking adventure; enjoying the closeness of family; developing riding skills and abilities Benefits: Enhanced sense of personal freedom; restored mind from unwanted stress; greater sense of adventure; improved maintenance of physical facilities; positive contribution to local economy <u>Prescribed setting character</u> Physical: Rural Social: Rural Administrative: Front country <u>Activity Planning Framework</u> Management: Identify and sign

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>main access routes through the area.</p> <p>Marketing: Coordinate with local OHV groups, commercial motorized vehicle suppliers, Chambers of Commerce and Moffat County to provide maps, brochures, and interpretation.</p> <p>Monitoring: Monitoring will occur to determine if/when this use approaches or exceeds resource capacity.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Oil and gas leasing- Open</li> <li>Locatable - Closed</li> <li>Other Minerals - Open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Open</li> <li>• VRM: Class IV</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>	<p>main access routes through the area.</p> <p>Marketing: Coordinate with local OHV groups, commercial motorized vehicle suppliers, Chambers of Commerce and Moffat County to provide maps, brochures, and interpretation.</p> <p>Monitoring: Monitoring will occur to determine if/when this use approaches or exceeds resource capacity.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Oil and gas leasing- Open</li> <li>Locatable - Closed</li> <li>Other Minerals - Open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Open area smaller than Alternative C, with Clay Buttes area Limited to Designated Routes</li> <li>• VRM: Class IV</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>
		<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p>	<p>Same as Alternative C.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		Closing XX acres to locatable mineral entry would decrease the extraction and beneficial use of locatable minerals.	
F. No similar action	No similar action	<p><u>Zone:</u> Zone 3: Designated routes area</p> <p><u>Market:</u> Community</p> <p><u>Objective:</u></p> <p>Activities: Single-track and double-track OHV riding, novice to expert levels.</p> <p>Experiences: Enjoying risk-taking adventure and new challenges; escaping everyday responsibilities for a while;</p> <p>Benefits: Greater retention of desired recreation experience; reduced negative impacts such as litter, vegetative trampling, and unplanned trails; positive contribution to local economy; enhanced sense of personal freedom.</p> <p><u>Prescribed setting character</u></p> <p>Physical: Front country Social: Front country Administrative: Front country</p> <p><u>Activity Planning Framework</u></p> <p>Management: Together with user groups and local government, identify and sign a system of trails to accommodate a wide range of vehicle types and difficulty of riding</p>	<p><u>Zone:</u> Zone 3: Designated routes area</p> <p><u>Market:</u> Community</p> <p><u>Objective:</u></p> <p>Activities: Single-track and double-track OHV riding, novice to expert levels.</p> <p>Experiences: Enjoying risk-taking adventure and new challenges; escaping everyday responsibilities for a while;</p> <p>Benefits: Greater retention of desired recreation experience; reduced negative impacts such as litter, vegetative trampling, and unplanned trails; positive contribution to local economy; enhanced sense of personal freedom.</p> <p><u>Prescribed setting character</u></p> <p>Physical: Front country Social: Front country Administrative: Front country</p> <p><u>Activity Planning Framework</u></p> <p>Management: Together with user groups and local government, identify and sign a system of trails to accommodate a wide range of vehicle types and difficulty of riding</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>levels. Crucial winter range and other seasonally limited wildlife habitat areas would be closed to surface disturbing activities.</p> <p>Marketing: Coordinate with local OHV groups, commercial motorized vehicle suppliers, Chambers of Commerce and Moffat County to provide maps, brochures, interpretation and route planning and development.</p> <p>Monitoring: Monitoring will occur to ensure user experiences and expectations are being met and to ensure that resources are protected.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Oil and gas leasing- Open</li> <li>Locatable - Closed</li> <li>Other Minerals - Open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Limited to Designated Routes</li> <li>• VRM: Class III</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>	<p>levels. Crucial winter range and other seasonally limited wildlife habitat areas would be closed to surface disturbing activities.</p> <p>Marketing: Coordinate with local OHV groups, commercial motorized vehicle suppliers, Chambers of Commerce and Moffat County to provide maps, brochures, interpretation and route planning and development.</p> <p>Monitoring: Monitoring will occur to ensure user experiences and expectations are being met and to ensure that resources are protected.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Oil and gas leasing- Open</li> <li>Locatable - Closed</li> <li>Other Minerals - Open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Limited to Designated Routes</li> <li>• VRM: Class III</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>
		<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of</p>	<p>Same as Alternative C.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		restrictions. Closing XX acres to locatable mineral entry would decrease the extraction and beneficial use of locatable minerals.	
<b>Serviceberry</b>			
G. No similar action	No similar action	<u>Zone:</u> Zone 1: Willow Creek and north Serviceberry access <u>Market:</u> Destination <u>Objective:</u> Activities: Non-motorized hunting and associated camping Experiences: Developing your skills and abilities; gaining a greater sense of achievement; Benefits: Reduced wildlife disturbance from recreation users; greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability. <u>Prescribed setting character</u> Physical: Middle country Social: Middle country Administrative: Middle country <u>Activity Planning Framework</u> Management: Provide camping facilities and improved roads to these facilities in high impact areas related to hunting season uses. Develop a managed and maintained	<u>Zone:</u> Zone 1: Willow Creek and north Serviceberry access <u>Market:</u> Destination <u>Objective:</u> Activities: Non-motorized hunting and associated camping Experiences: Developing your skills and abilities; gaining a greater sense of achievement; Benefits: Reduced wildlife disturbance from recreation users; greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability. <u>Prescribed setting character</u> Physical: Middle country Social: Middle country Administrative: Middle country <u>Activity Planning Framework</u> Management: Provide camping facilities in high impact areas related to hunting season uses. Develop a managed and maintained trail system within the area.

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>trail system within the area.</p> <p>Marketing: In partnership with Division of Wildlife and local Chambers of Commerce, increase education and interpretation during hunting season to reduce resource impacts and conflicts.</p> <p>Monitoring: Monitor user experience and satisfaction, camp site conditions and use.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Open to oil and gas exploration and development</li> <li>Locatable – closed</li> <li>Other minerals – open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Limited to Designated Routes</li> <li>• VRM – Class III</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>	<p>Marketing: In partnership with Division of Wildlife and local Chambers of Commerce, increase education and interpretation during hunting season to reduce resource impacts and conflicts.</p> <p>Monitoring: Monitor user experience and satisfaction, camp site conditions and use.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Open to oil and gas exploration and development</li> <li>Locatable – closed</li> <li>Other minerals – open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Designated Routes</li> <li>• VRM – Class III</li> <li>• Lands and Realty: Determined on a case-by-case basis consistent with SRMA objectives.</li> </ul>
		<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p> <p>Closing XX acres to locatable mineral entry would decrease the extraction and beneficial use of</p>	<p>Same as Alternative C.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
H. No similar action	No similar action	<p><u>locatable minerals.</u></p> <p><u>Zone:</u> Zone 2: Serviceberry backcountry</p> <p><u>Objective:</u></p> <p>Activities: Non-motorized big game hunting and associated undeveloped camping.</p> <p>Experiences: Developing your skills and abilities; gaining a greater sense of achievement;</p> <p>Benefits: Reduced wildlife disturbance from recreation users; greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability.</p> <p><u>Prescribed setting character</u></p> <p>Physical: Back country</p> <p>Social: Back country</p> <p>Administrative: Back country</p> <p><u>Activity Planning Framework</u></p> <p>Management: Develop a managed and maintained non-motorized trail system within the area.</p> <p>Marketing: In partnership with Division of Wildlife and local Chambers of Commerce, increase education and interpretation during hunting season to reduce resource impacts and conflicts.</p> <p>Monitoring: Monitor user</p>	<p><u>Zone:</u> Zone 2: Serviceberry backcountry</p> <p><u>Objective:</u></p> <p>Activities: Non-motorized big game hunting and associated undeveloped camping.</p> <p>Experiences: Developing your skills and abilities; gaining a greater sense of achievement;</p> <p>Benefits: Reduced wildlife disturbance from recreation users; greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability.</p> <p><u>Prescribed setting character</u></p> <p>Physical: Back country</p> <p>Social: Back country</p> <p>Administrative: Back country</p> <p><u>Activity Planning Framework</u></p> <p>Management: Develop a minimal managed and maintained non-motorized trail system within the area.</p> <p>Marketing: In partnership with Division of Wildlife and local Chambers of Commerce, increase education and interpretation during hunting season to reduce resource impacts and conflicts.</p> <p>Monitoring: Monitor user</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		<p>experience and satisfaction, camp site conditions and use. Monitor to ensure compliance of the motor vehicle closures.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Open to oil and gas exploration and development</li> <li>Locatable – closed</li> <li>Other minerals – open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Closed</li> <li>• VRM – Class III</li> <li>• Lands and Realty: ROW would be considered on a case-by-case basis</li> </ul>	<p>experience and satisfaction, camp site conditions and use. Monitor to ensure compliance of the motor vehicle closures.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Open to oil and gas exploration and development</li> <li>Locatable – closed</li> <li>Other minerals – open</li> <li>Coal – Not available for leasing</li> </ul> </li> <li>• OHV: Closed</li> <li>• VRM – Class III</li> <li>• Lands and Realty: ROW would be considered on a case-by-case basis.</li> </ul>
		<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p> <p>Closing XX acres to locatable mineral entry would decrease the extraction and beneficial use of locatable minerals..</p>	<p>Same as Alternative C.</p>
<b>Flycreek</b>			
<p>I. The Flycreek area is open to OHV use under the current RMP; however, is temporarily closed to OHV use. This area is currently managed as part of the</p>	<p>Same as Alternative A, except temporary OHV closures would be removed and would be managed as open to OHV use.</p>	<p>1. The Flycreek area (12,342 acres) will be administered as a backcountry, non-motorized hunting area.</p>	<p>The Flycreek area (12,342 acres) will be administered as a Special Recreation Management Area (SRMA) to provide backcountry, non-motorized hunting experiences.</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
ERMA.		<ol style="list-style-type: none"> <li>2. Increase education and interpretation during hunting season to reduce resource impacts and conflicts.</li> <li>3. Develop a managed and maintained a non-motorized trail system within the area.</li> <li>4. OHV – closed</li> <li>5. Minerals – <ul style="list-style-type: none"> <li>• Open to oil and gas exploration and development</li> <li>• Locatable – closed</li> <li>• Other minerals – open</li> <li>• Coal - Not available for leasing</li> </ul> </li> <li>6. VRM –Class III</li> <li>7. Lands and Realty: ROW would be considered on a case-by-case basis.</li> </ol>	<p><u>Zone:</u> All one RMZ  <u>Market:</u> Destination  <u>Objective:</u>  Activities: Non-motorized big game hunting and associated undeveloped camping.  Experiences: Developing your skills and abilities; gaining a greater sense of achievement;  Benefits: Reduced wildlife disturbance from recreation users; reduce hunter conflicts; greater self-reliance gained from hunting; improved outdoor knowledge and self-confidence; positive contributions to local and regional economic stability.  <u>Prescribed setting character</u>  Physical: Back country  Social: Primitive  Administrative: Back country  <u>Activity Planning Framework</u>  Management: Develop a managed and maintained a non-motorized trail system within the area. Increase education and interpretation during hunting season to reduce resource impacts and conflicts. Maintain property boundary signing.  Marketing: Coordination with Division of Wildlife, local adjacent land owners, permitted outfitters to</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			<p>provide hunting and recreation information.</p> <p>Monitoring: Monitoring will occur to ensure compliance of the motor vehicle closures. Monitor user experience and satisfaction.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Open to oil and gas exploration and development</li> <li>Locatable – closed</li> <li>Other minerals – open</li> <li>Coal - Not available for leasing</li> </ul> </li> <li>• OHV: Closed</li> <li>• VRM: Class III</li> <li>• Lands and Realty: ROW would be considered on a case-by-case basis.</li> </ul>
		<p>Areas open to oil and gas leasing would allow for oil and gas operations with the least number of restrictions.</p> <p>Closing XX acres to locatable mineral entry would decrease the extraction and beneficial use of locatable minerals.</p>	Same as Alternative C.
<b>Dinosaur North Area (outside of WSA)</b>			
J. Multiple use outside existing WSAs	Same as Alternative A.	Objective: Manage to protect naturalness, opportunities for semi-	The Dinosaur North area (41,355 acres) will be administered as a

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>K. Minerals and Energy:</p> <ul style="list-style-type: none"> <li>• Controlled Surface Use for oil and gas exploration and development</li> <li>• Locatable - Open</li> <li>• Other Minerals - Open</li> <li>• Coal - Not available for leasing</li> </ul> <p>L. OHV: Open</p> <p>M. VRM: Not applicable</p> <p>N. Lands and Realty: No restrictions, case-by-case basis</p>		<p>primitive recreation, and solitude.</p> <ol style="list-style-type: none"> <li>1. No designation with the following prescriptions:</li> <li>2. Minerals and Energy: <ul style="list-style-type: none"> <li>• Closed to oil and gas exploration and development</li> <li>• Locatable - Closed</li> <li>• Other Minerals - Open</li> <li>• Coal - Not available for leasing</li> </ul> </li> <li>3. OHV: Limited to Designated Routes</li> <li>4. VRM: Class II</li> <li>5. Lands and Realty: ROW – avoidance; no wind energy</li> </ol>	<p>Special Recreation Management Area (SRMA) to provide quality primitive recreational experiences in largely natural settings.</p> <p><u>Zone:</u> All one RMZ  <u>Market:</u> Community  <u>Objective:</u>  Activities: Hiking, backpacking, horseback riding, camping and hunting.  Experiences: Feeling good about solitude and being isolated; experiencing a greater sense of independence; enjoying getting some physical exercise  Benefits: Closer relationship with the natural world; improved physical fitness; greater retention of distinctive natural landscapes; conservation of entire ecosystems in natural state.  <u>Prescribed setting character</u>  Physical: Primitive  Social: Primitive  Administrative: Primitive  <u>Activity Planning Framework</u>  Management: Provide minimally developed trailhead parking and interpretive information adjacent to roads that provide access to the edges of access points.  Marketing: Coordinate with</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			<p>Chamber of Commerce, non-motorized recreation organizations, and adjacent land owners in providing maps, brochures and recreation information.</p> <p>Monitoring: Monitoring will occur to ensure compliance of the motor vehicle closures. Monitor user experience and satisfaction.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Closed to oil and gas exploration and development</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Not available for leasing</li> </ul> </li> <li>• OHV: Closed</li> <li>• VRM: Class II</li> <li>• Lands and Realty: ROW – exclusion; no wind energy</li> </ul>
<p>Controlled surface use stipulations for oil and gas could directly influence the placement of oil and gas facilities.</p> <p>Areas open to mineral materials would allow for associated development and exploration activities.</p>	<p>Same as Alternative A.</p>	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground.</p> <p>Closing XX acres to locatable mineral entry would decrease the extraction and beneficial use of locatable minerals.</p> <p>Areas open to mineral materials would allow for associated development and exploration</p>	<p>Closing XX acres to oil and gas leasing would result in leaving resources in the ground.. This area is rated high/moderate/low for oil and gas occurrence potential.</p> <p>Closing XX acres to locatable mineral entry, and other minerals would decrease the extraction and beneficial use of these minerals</p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
		activities.	
<b>Cold Springs Area (outside of WSA)</b>			
<p>O. Multiple use outside existing WSAs</p> <p>P. Minerals and Energy:</p> <ul style="list-style-type: none"> <li>• Controlled Surface Use for oil and gas exploration and development</li> <li>• Locatable - Open</li> <li>• Other Minerals - Open</li> <li>• Coal - Not available for leasing</li> </ul> <p>Q. OHV: Majority Limited to Existing, remainder is Open</p> <p>R. VRM: Not applicable</p> <p>S. Lands and Realty: No restrictions, case-by-case basis</p>	Same as Alternative A.	<p>Objective: Manage to protect naturalness, opportunities for semi-primitive recreation, and solitude.</p> <ol style="list-style-type: none"> <li>1. No designation with the following prescriptions:</li> <li>2. Minerals and Energy: <ul style="list-style-type: none"> <li>• Closed to oil and gas exploration and development</li> <li>• Locatable - Closed</li> <li>• Other Minerals - Open</li> <li>• Coal - Not available for leasing</li> </ul> </li> <li>3. OHV: Limited to Designated routes</li> <li>4. VRM: Class III</li> <li>5. Lands and Realty: ROW – avoidance; accept wind energy applications on case-by-case basis.</li> </ol>	<p>The Cold Springs Mountain area (30,479 acres) will be administered as a Special Recreation Management Area (SRMA) to provide quality primitive recreational experiences in largely natural settings.</p> <p><u>Zone:</u> All one RMZ <u>Market:</u> Community <u>Objective:</u> Activities: Hiking, backpacking, horseback riding, camping, hunting Experiences: Feeling good about solitude and being isolated; experiencing a greater sense of independence; enjoying getting some physical exercise Benefits: Closer relationship with the natural world; improved physical fitness; greater retention of distinctive natural landscapes; conservation of functioning ecosystems in natural state. <u>Prescribed setting character</u> Physical: Primitive Social: Primitive Administrative: Primitive <u>Activity Planning Framework</u></p>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
			<p>Management: Provide minimally developed trailhead parking and interpretive information adjacent to roads that provide access to the edges of access points. Provide minimal managed and signed trail system.</p> <p>Marketing: Coordinate with Browns Park Wildlife Refuge, Chamber of Commerce, non-motorized recreation organizations, and adjacent land owners in providing maps, brochures and recreation information.</p> <p>Monitoring: Monitoring will occur to ensure compliance of the motor vehicle closures. Monitor user experience and satisfaction.</p> <p>Administration:</p> <ul style="list-style-type: none"> <li>• Minerals and Energy: <ul style="list-style-type: none"> <li>Closed to oil and gas exploration and development</li> <li>Locatable - Closed</li> <li>Other Minerals - Closed</li> <li>Coal - Not available for leasing</li> </ul> </li> <li>• OHV: Closed</li> <li>• VRM: Class II</li> <li>• Lands and Realty: ROW – exclusion; no wind energy</li> </ul>
Areas open to oil and gas leasing would allow for oil and	Same as Alternative A.	Closing XX acres to oil and gas leasing would result in leaving	Closing XX acres to oil and gas leasing would result in leaving

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<p>gas operations with the least number of restrictions.</p> <p>Areas open to mineral materials would allow for associated development and exploration activities.</p>		<p>resources in the ground., Closing XX acres to locatable mineral entry would prohibit decrease the extraction and beneficial use of locatable minerals.</p> <p>Areas open to mineral materials would allow for associated development and exploration activities.</p>	<p>resources in the ground.. This area is rated high/moderate/low for oil and gas occurrence potential.</p> <p>Closing XX acres to locatable mineral entry, and other minerals would decrease the extraction and beneficial use of these minerals</p>
<b>LANDS AND REALTY</b>			
<b>Rights-of-Way</b>			
<p>A. No rights-of-way corridors are formally designated.</p> <p>B. The existing and potential corridors identified as suitable on page 29 of the RMP/ROD and displayed on pages 32 and 33 of the RMP/ROD are considered open and are preferred routes.</p> <p>C. Minor rights-of-way will be processed on a case-by-case basis, generally guided by the criteria identified for major rights-of-way.</p> <p>D. Rights-of-way will be allowed in all areas if needed to develop valid</p>	<p>ROWs allowed on a case-by-case basis.</p>	<p>Encourage ROW in the following existing corridors:</p> <ul style="list-style-type: none"> <li>• Major roads including county roads (e.g., CR 20, 4, 7, 57)</li> <li>• Power transmission lines</li> <li>• Oil and gas pipelines</li> </ul>	<p>Encourage ROW in the following existing corridors:</p> <ul style="list-style-type: none"> <li>• Major roads including county roads (e.g., CR 20, 4, 7, 57)</li> <li>• Power transmission lines</li> <li>• Oil and gas pipelines</li> </ul>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
existing rights.			
<p>E. Specific areas unsuitable for major rights-of-way are:</p> <ul style="list-style-type: none"> <li>• WSAs</li> <li>• Limestone Ridge ACEC/RNA</li> <li>• Lookout Mountain ACEC</li> <li>• Irish Canyon ACEC</li> <li>• Little Yampa/Juniper Canyon SRMA (lower unit)</li> </ul>	<p>ROW Exclusion: WSAs; VRM Class I</p>	<p>ROW Exclusion:</p> <ul style="list-style-type: none"> <li>• WSAs</li> <li>• VRM Class I areas</li> <li>• Portions of Vermillion Basin Zone 2</li> </ul>	<p>ROW Exclusion:</p> <ul style="list-style-type: none"> <li>• WSAs</li> <li>• VRM Class I and II</li> <li>• Lookout Mountain ACEC</li> <li>• Limestone Ridge ACEC</li> <li>• Irish Canyon ACEC</li> <li>• Cross Mountain Canyon ACEC</li> <li>• White-Tailed Prairie Dog ACEC</li> <li>• If released from Congress, WSAs recommended as non-suitable (Ant Hills, Chew Winter Camp, Peterson Draw, Vale of Tears)</li> <li>• Vermillion Basin</li> <li>• Dinosaur North</li> <li>• Cold Springs Mountain</li> <li>• Cedar Mountain SRMA</li> </ul>
<p>F. Specific areas that are sensitive for siting major rights-of-way are:</p> <ul style="list-style-type: none"> <li>• Little Yampa/Juniper Canyon SRMA (upper unit)</li> <li>• Lookout Mountain ACEC</li> <li>• Horse Draw</li> <li>• Vermillion Creek</li> <li>• Ace-in-the-Hole</li> </ul>	<p>ROW Avoidance:</p> <ul style="list-style-type: none"> <li>• VRM Class II</li> <li>• Occupied black-footed ferret habitat.</li> </ul>	<p>ROW Avoidance:</p> <ul style="list-style-type: none"> <li>• VRM II</li> <li>• West Cold Springs WSA</li> <li>• If released from Congress, WSAs recommended as non-suitable (Ant Hills, Chew Winter Camp, Peterson Draw, Vale of Tears)</li> <li>• Cold Springs Mountain</li> <li>• Cedar Mountain SRMA</li> </ul>	<p>ROW Avoidance:</p> <ul style="list-style-type: none"> <li>• Natural Systems ACECs</li> <li>• Occupied black-footed ferret habitat.</li> </ul>

Table X. SUMMARY OF IMPACTS TO ENERGY AND MINERALS

ALTERNATIVE A (NO ACTION ALTERNATIVE)	ALTERNATIVE B	ALTERNATIVE C	ALTERNATIVE D
<ul style="list-style-type: none"> <li>• Vermillion Bluffs</li> <li>• G Gap</li> <li>• Hells Canyon</li> <li>• Portions of Vermillion Creek Drainage</li> <li>• Sand Wash Drainage</li> <li>• Buffalo Gulch/Twelve-mile Mesa</li> <li>• Little Snake River</li> <li>• Sand Creek</li> <li>• Conway Draw</li> <li>• Deception Creek</li> <li>• Occupied black-footed ferret habitat.</li> </ul>		<ul style="list-style-type: none"> <li>• Dinosaur North</li> <li>• Vermillion Bluffs in Vermillion Basin Zone 1</li> <li>• Portions of Vermillion Basin Zone 2</li> <li>• Occupied black-footed ferret habitat.</li> </ul>	
ROW restrictions on XX acres would limit the placement of pipelines, power lines, communication facilities, and roads.	ROW restrictions on XX acres would limit the placement of pipelines, power lines, communication facilities, and roads.	ROW restrictions on XX acres would limit the placement of pipelines, power lines, communication facilities, and roads.	ROW restrictions on XX acres would limit the placement of pipelines, power lines, communication facilities, and roads.