

| Stipulation Number | UTAH STIPULATIONS   |
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| UTSO-S-01          | <p style="text-align: center;"><b>AIR QUALITY</b></p> <p><b>Air Quality:</b><br/>All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour.<br/><b>Exception:</b> This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.<br/><b>Modification:</b> None<br/><b>Waiver:</b> None</p> <p><b>Air Quality:</b><br/>All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.<br/><b>Exception:</b> None.<br/><b>Modification:</b> None</p>  |
| UTSO-S-02          | <p style="text-align: center;"><b>NO SURFACE OCCUPANCY – RIVER CORRIDORS, INCLUDING SUITABLE WILD AND SCENIC RIVER SEGMENTS</b></p> <p>There will be no surface-disturbing activities within the area of the Three Rivers and Westwater mineral withdrawals which includes suitable Wild and Scenic River segments. Where the NSO area is physically inaccessible to oil and gas drilling by current directional drilling technology (1 mile from outside the NSO area), it will be closed to oil and gas leasing. However, these lands remain NSO for all other surface disturbing activities.<br/><b>Purpose:</b> To protect riparian, wildlife, scenic, and recreational values along the major river corridors.<br/><b>Exception:</b> An exception could be authorized if the use is consistent and compatible with protection or enhancement of the resource values or the use would provide suitable opportunities for public enjoyment of the applicable resources. No exception for oil and gas leasing. Exceptions could be made on the Colorado River along Highways 128 and 279, along Kane Creek Road, along the Green River from Swasey's Rapid to Ruby Ranch, and along the Dolores River from Entrada Ranch to the Colorado River confluence to maintain or improve infrastructure. These exceptions (subject to appropriate mitigation to minimize impacts to the applicable resources) could include minor rights-of-way to service private land and temporary use authorizations.<br/><b>Modification:</b> None<br/><b>Waiver:</b> None</p> |
| UTSO-S-05          | <p style="text-align: center;"><b>NO SURFACE OCCUPANCY – DEVELOPED RECREATION SITES</b></p> <p>No surface-disturbing activities are allowed within 0.5 miles of developed recreation sites (current and planned).<br/><b>Purpose:</b> To protect federal investment in facilities, to provide for recreational use, and to protect the view shed from the facility.<br/><b>Exception:</b> An exception could be granted if a viewshed analysis indicates no impairment of the visual resources from the recreation site. Also, an exception could be authorized if the use is consistent and compatible with protection or enhancement of the resource values or the use would provide suitable opportunities for public enjoyment of the applicable resources. No exception for oil and gas leasing.<br/><b>Modification:</b> None<br/><b>Waiver:</b> None</p>   |

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| UTSO-S-23          | <p align="center"><b>NO SURFACE OCCUPANCY – ACEC</b></p> <p>NSO for cultural values within areas of critical environmental concern (ACEC) to retain the cultural character and context of the area.<br/> <b>Exception:</b> The AO may grant an oil and gas exception if it is determined that no other economical and technical feasible access is available to reach and drain the fluid mineral resources of the area. A block cultural survey must be completed and a treatment plan developed and submitted to BLM and the State Historic Preservation Office (SHPO) for their approval. The plan must contain measures to mitigate surface disturbance and reduce visual intrusion.<br/> <b>Modification:</b> None<br/> <b>Waiver:</b> None</p>  |
| UTSO-S-24          | <p align="center"><b>NO SURFACE OCCUPANCY – OLD SPANISH NATIONAL HISTORIC TRAIL</b></p> <p>NSO within Trail Springs/Lost Springs Wash segment of the Old Spanish National Historic Trail to retain the historic character of the trail.<br/> <b>Exception:</b> The AO may grant an exception if an environmental analysis demonstrates that the action would not impair the historic character of the trail.<br/> <b>Modification:</b> None<br/> <b>Waiver:</b> None</p>  |
| UTSO-S-25          | <p align="center"><b>NO SURFACE OCCUPANCY – RECREATION AND ADMINISTRATIVE SITES</b></p> <p>NSO within developed recreation and administrative sites not consistent with the purpose of the site, including those authorized under a Recreation and Public Purpose Act.<br/> <b>Exception:</b> An exception would be granted for surface disturbance that supports the recreation or administrative objectives of the site.<br/> <b>Modification:</b> None<br/> <b>Waiver:</b> None</p>  |
| UTSO-S-28          | <p align="center"><b>NO SURFACE OCCUPANCY - PARIETTE ACEC</b></p> <p>Allow no new surface-disturbing activities within the Pariette ACEC.<br/> <b>Exception:</b> None.<br/> <b>Modification:</b> None<br/> <b>Waiver:</b> None</p>  |
| UTSO-S-29          | <p align="center"><b>FRAGILE SOILS/SLOPES</b><br/> <b>NO SURFACE OCCUPANCY FOR SLOPES GREATER THAN 40%</b></p> <p><b>Exception:</b> If after an environment analysis the authorized officer determines that it would cause undue or unnecessary degradation to pursue other placement alternatives, surface occupancy in the NSO area may be authorized. Additionally a plan would be submitted by the operator and approved by BLM prior to construction and maintenance and include: An erosion control strategy, GIS modeling, and proper survey and design by a certified engineer.<br/> <b>Modification:</b> Modifications also may be granted if a more detailed analysis, i.e. Order I, soil survey conducted by a qualified soil scientist finds that surface disturbance activities could occur on slopes greater than 40% while adequately protecting the area from accelerated erosion.<br/> <b>Waiver:</b> None</p> |

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| <p><b>UTSO-S-30</b></p> | <p style="text-align: center;"><b>FRAGILE SOILS/SLOPES<br/>NO SURFACE OCCUPANCY FOR SLOPES GREATER THAN 40%</b></p> <p>NSO on slopes greater than 40 percent.<br/> <b>Exception:</b> If after an environment analysis the AO determines that it would cause undue or unnecessary degradation to pursue other placement alternatives, surface occupancy in the area may be authorized. In addition, a plan from the operator and BLM's approval of the plan would be required before construction and maintenance could begin. The plan would have to include:</p> <ul style="list-style-type: none"> <li>• An erosion control strategy</li> <li>• GIS modeling</li> <li>• Proper survey and design by a certified engineer.</li> </ul> <p>Modification: None<br/> Waiver: None</p> |
| <p><b>UTSO-S-52</b></p> | <p style="text-align: center;"><b>CONDITIONAL SURFACE USE STIPULATION – FLOODPLAINS, RIPARIAN AREAS, SPRINGS AND PUBLIC WATER RESOURCES</b></p> <p>Allow no surface-disturbing activities within 100 year floodplains or within 100 meters of riparian areas. Also, no surface-disturbing activities within public water reserves or within 100 meters of springs.<br/> <b>Purpose:</b> To protect floodplains, riparian areas, springs, and public water reserves.<br/> <b>Exception:</b> An exception could be authorized if: (a) there are no practical alternatives, (b) impacts could be fully mitigated, or (c) the action is designed to benefit and enhance the resource values.<br/> <b>Modification:</b> None<br/> <b>Waiver:</b> None</p>                               |
| <p><b>UTSO-S-53</b></p> | <p style="text-align: center;"><b>NO SURFACE OCCUPANCY - RIPARIAN, FLOODPLAINS, AND PUBLIC WATER RESERVES</b></p> <p>Allow no new surface-disturbing activities within active flood plains, wetlands, public water reserves, or 100m of riparian areas that are present. Keep construction of new stream crossings to a minimum.<br/> <b>Exception:</b> An exception could be authorized if: (a) there are no practical alternatives (b) impacts could be fully mitigated, or (c) the action is designed to enhance the riparian resources.<br/> <b>Modification:</b> None<br/> <b>Waiver:</b> None</p>  |
| <p><b>UTSO-S-54</b></p> | <p style="text-align: center;"><b>CONDITIONAL SURFACE USE – NATURAL SPRINGS</b></p> <p>No surface disturbance or occupancy would be maintained around natural springs to protect the water quality of the spring. The distance would be based on geophysical, riparian, and other factors necessary to protect the water quality of the springs. If these factors cannot be determined, a 660-foot buffer zone would be maintained.<br/> <b>Exception:</b> An exception could be authorized if (a) there are no practical alternatives, (b) impacts could be fully mitigated, or (c) the action is designed to enhance the riparian resources.<br/> Modification: None<br/> Waiver: None</p>   |

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| <p><b>UTSO-S-55</b></p> | <p><b>CONDITIONAL SURFACE USE – FLOODPLAINS, RIPARIAN AREAS, SPRINGS AND PUBLIC WATER RESOURCES</b></p> <p>No new surface disturbance (excluding fence lines) would be required in areas equal to the 100-year floodplain or 100 meters (330 feet) on either side from the centerline, whichever is greater, along all perennial and intermittent streams, streams with perennial reaches, and riparian areas.</p> <p><b>Exception:</b> An exception could be authorized if (a) there are no practical alternatives, (b) impacts could be fully mitigated, or (c) the action is designed to enhance the riparian resources.</p> <p>Modification: None<br/>Waiver: None</p>  |
| <p><b>UTSO-S-58</b></p> | <p><b>CONDITIONAL SURFACE USE - VRM II CLASS OBJECTIVES ALONG DRIVING CORRIDORS</b></p> <p>Surface-disturbing activities within the corridor (0.5 miles from center line) must meet VRM II class objectives.</p> <p><b>Purpose:</b> To protect the visual resources along scenic corridors.</p> <p><b>Exception:</b> An exception could be granted if: (a) a view shed analysis indicates no impairment of the visual resources from the driving corridor or (b) the action is determined to be consistent and compatible with protection or enhancement of the resource values or the use would provide suitable opportunities for public enjoyment of these resources.</p> <p><b>Modification:</b> None<br/><b>Waiver:</b> None</p> |
| <p><b>UTSO-S-60</b></p> | <p><b>CONDITIONAL SURFACE USE - VISUAL RESOURCES - VRM II</b></p> <p>Within VRM II areas, surface disturbing activities would comply with BLM Manual Handbook 8431-1 to retain the existing character of the landscape.</p> <p><b>Exception:</b> Recognized utility corridors are exempt. Temporary exceedance may be allowed during initial development phases.</p> <p>Modification: None<br/>Waiver: None</p>   |
| <p><b>UTSO-S-62</b></p> | <p><b>CONDITIONAL SURFACE USE - FRAGILE SOILS/SLOPES</b></p> <p>The surface operating standards for oil and gas exploration and development (Gold Book) would be used as a guide for surface-disturbing proposals on steep slopes/hillsides. If surface-disturbing activities cannot be avoided on slopes from 21-40% a plan would be required. The plan would be approved by BLM prior to construction and maintenance and include: An erosion control strategy, GIS modeling, and proper survey and design by a certified engineer.</p> <p><b>Exception:</b> None<br/><b>Modification:</b> None<br/><b>Waiver:</b> None</p>   |

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| <p style="text-align: center;"><b>UTSO-S-63</b></p> | <p style="text-align: center;"><b>CONDITIONAL SURFACE USE - FRAGILE SOILS/SLOPES</b></p> <p>In surface disturbing proposals regarding construction on slopes of 20 percent to 40 percent, include an approved erosion control strategy and topsoil segregation/restoration plan. Such construction must be properly surveyed and designed by a certified engineer and approved by the BLM prior to project implementation, construction, or maintenance.</p> <p><b>Exception:</b> If after an environment analysis the AO determines that it would cause undue or unnecessary degradation to pursue other placement alternatives, surface occupancy in the area may be authorized. In addition, a plan from the operator and BLM's approval of the plan would be required before construction and maintenance could begin. The plan must include:</p> <ul style="list-style-type: none"> <li>• An erosion control strategy</li> <li>• GIS modeling</li> <li>• Proper survey and design by a certified engineer.</li> </ul> <p><b>Modification:</b> Modifications also may be granted if a more detailed analysis, e.g., Order I soil survey conducted by a qualified soil scientist, finds that surface disturbance activities could occur on slopes between 20 and 40 percent while adequately protecting areas from accelerated erosion.</p> <p>Waiver: None</p> |
| <p style="text-align: center;"><b>UTSO-S-67</b></p> | <p style="text-align: center;"><b>CONDITIONAL SURFACE USE - GREATER SAGE GROUSE LEK SITES</b></p> <p>NSO within 1/2 mile of greater sage-grouse leks.</p> <p><b>Exception:</b> The AO may grant an exception if an environmental analysis demonstrates that the action would not impair the function or utility of the site for current or subsequent reproductive display, including daytime loafing/staging activities, and/or would not result in development of a permanent aboveground structure within 1/2 mile of a lek.</p> <p><b>Modification:</b> The AO may modify the NSO area in extent if an environmental analysis finds that a portion of the NSO area is nonessential to site utility or function, or if further analysis shows that the size or location of the lek has changed, or that the proposed action could be conditioned to not impair the function or utility of the site for current or subsequent reproductive display including daytime loafing/staging activities.</p> <p><b>Waiver:</b> A waiver may be granted if there are no active lek sites and it is determined the sites have been completely abandoned or destroyed or occur outside the initial identified area, as determined by BLM.</p>   |
| <p style="text-align: center;"><b>UTSO-S-70</b></p> | <p style="text-align: center;"><b>CONDITIONAL SURFACE USE - GUNNISON SAGE GROUSE LEK SITES</b></p> <p>If Gunnison sage-grouse leks are discovered within sage-grouse habitat, no surface disturbing activities will be allowed within 0.6 miles of a lek.</p> <p><b>Purpose:</b> To protect occupied lek sites within Gunnison sage-grouse habitat.</p> <p><b>Exception:</b> An exception may be granted by the Field Manager if the operator submits a plan which demonstrates that impacts from the proposed action can be adequately mitigated.</p> <p><b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area if (1) portions of the area do not include lek sites, or (2) the lek site(s) have been completely abandoned or destroyed, or (3) occupied lek site(s) occur outside the current defined area, as determined by the BLM.</p> <p><b>Waiver:</b> A waiver may be granted if there are no active lek site(s) in the leasehold and it is determined the site(s) have been completely abandoned or destroyed or occur outside current defined area, as determined by the BLM.</p>   |

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| UTSO-S-71          | <p align="center"><b>CONDITIONAL SURFACE USE - WHITE-TAILED PRAIRIE DOG</b></p> <p>Do not allow surface-disturbing activities within 660 feet of prairie dog colonies identified within prairie dog habitat (the size of the habitat varies by alternative). No permanent aboveground facilities are allowed within the 660 feet buffer.</p> <p><b>Purpose:</b> To protect white-tailed prairie dog habitat.</p> <p><b>Exception:</b> An exception may be granted if the applicant submits a plan that indicates that impacts of the proposed action can be adequately mitigated or, if due to the size of the town, there is no reasonable location to develop a lease and avoid colonies the Field Manager will allow for loss of prairie dog colonies and/or habitat to satisfy terms and conditions of the lease.</p> <p><b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area if portions of the area does not include prairie dog habitat or <i>active</i> colonies are found outside current defined area, as determined by BLM.</p> <p><b>Waiver:</b> May be granted if in the leasehold if is determined that habitat no longer exists or has been destroyed.</p> |
| UTSO-S-72          | <p align="center"><b>CONDITIONAL SURFACE USE - GUNNISON PRAIRIE DOG</b></p> <p>Do not allow surface-disturbing activities within 660 feet of active prairie dog colonies identified within prairie dog habitat. No permanent aboveground facilities are allowed within the 660 feet buffer.</p> <p><b>Purpose:</b> To protect Gunnison prairie dog habitat.</p> <p><b>Exception:</b> An exception may be granted if the applicant submits a plan that indicates that impacts of the proposed action can be adequately mitigated or, if due to the size of the town, there is no reasonable location to develop a lease and avoid colonies the Field Manager will allow for loss of prairie dog colonies and/or habitat to satisfy terms and conditions of the lease.</p> <p><b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area if portions of the area does not include prairie dog habitat or <i>active</i> colonies are found outside current defined area, as determined by BLM.</p> <p><b>Waiver:</b> May be granted if it is determined that the habitat no longer exists or has been destroyed within the leasehold.</p>  |
| UTSO-S-73          | <p align="center"><b>CONDITIONAL SURFACE USE – MEXICAN SPOTTED OWL</b></p> <p>No Surface Occupancy (NSO) within 1/2 mile of known Mexican Spotted Owl (MSO) nests.</p>  |
| UTSO-S-74          | <p align="center"><b>CONDITIONAL SURFACE USE – CRITICAL HABITAT</b></p> <p>Any surface use or occupancy within designated critical habitat would be strictly controlled through close scrutiny of any surface use plan filed to protect habitat values and the use of the area by Mexican spotted owls. Modifications to the Surface Use Plan of Operations may be required for the protection of these resources. This limitation may apply to operation and maintenance of producing wells.</p> <p><b>Exception:</b> The AO may grant an exception if an environmental analysis demonstrates that the action would not impair the function or utility of the site for nesting or other owl-sustaining activities.</p> <p><b>Modification:</b> The AO may modify the CSU area in extent if an environmental analysis finds that a portion of the area is nonessential to site utility or function or if natural features provide adequate visual or auditory screening.</p> <p><b>Waiver:</b> A waiver may be granted if the species is de-listed and the critical habitat is determined as not necessary for the survival and recovery of the species.</p>  |

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| UTSO-S-88          | <p style="text-align: center;"><b>TIMING LIMITATION – 30% SLOPES OR GREATER – BOOKCLIFFS</b></p> <p>Where slopes are greater than 30% in the Bookcliffs, BLM approved surface-disturbing activities would not be allowed from <b>November 1 to April 30</b>. This restriction includes heavy equipment traffic on existing roads associated with drilling operations.</p> <p><b>Purpose:</b> To minimize watershed damage in fragile soils on steep slopes.</p> <p><b>Exception:</b> An exception could be granted if the operator can provide a plan of development demonstrating that the proposed action would be properly designed and constructed to support the anticipated types and levels of use. Roads must be designed to meet BLM road standards for drainage control and surfaced to support heavy equipment and tractor trailers. Adjustments to the timing restriction could be considered by the Field Manager on a case-by-case basis, depending on current soil and weather conditions.</p> <p><b>Modification:</b> None</p> <p><b>Waiver:</b> None</p>                                      |
| UTSO-S-89          | <p style="text-align: center;"><b>TIMING LIMITATION – FRAGILE SOILS</b></p> <p>No surface-disturbing activities are allowed during the period from <b>December 1 to May 31</b>. This restriction includes heavy equipment traffic on existing roads associated with drilling operations.</p> <p><b>Purpose:</b> To minimize watershed damage including compaction, rutting, and topsoil loss on saline soils derived from the Mancos Shale.</p> <p><b>Exception:</b> An exception could be granted if the operator can provide a plan of development demonstrating that the proposed action would be properly designed and constructed to support the anticipated types and levels of use. Roads must be designed to meet BLM road standards for drainage control and surfaced to support heavy equipment and tractor trailers. Adjustments to the timing restriction could be considered by the Field Manager on a case-by-case basis, depending on current soil and weather conditions.</p> <p><b>Modification:</b> None</p> <p><b>Waiver:</b> None</p>  |
| UTSO-S-96          | <p style="text-align: center;"><b>TIMING LIMITATION – SAGE GROUSE</b></p> <p>No surface-disturbing activities within 2 miles of active sage grouse leks from March 1 - June 15.</p> <p><b>Exception:</b> None</p> <p><b>Modification:</b> None</p> <p><b>Waiver:</b> None</p>  |
| UTSO-S-99          | <p style="text-align: center;"><b>TIMING LIMITATION – PRONGHORN FAWNING GROUNDS</b></p> <p>Allow no surface-disturbing activities from <b>May 1 to June 15</b> within fawning grounds. The acreage of habitat varies by alternative.</p> <p><b>Purpose:</b> To minimize stress and disturbance during critical antelope birthing time.</p> <p><b>Exception:</b> May be granted to these dates by the Field Manager if the operator submits a plan which demonstrates that impacts from the proposed action can be adequately mitigated or if it is determined the habitat is not being utilized for fawning in any given year.</p> <p><b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area if a portion of the area is not being used as fawning grounds or if habitat is being utilized outside of stipulation boundaries as crucial fawning grounds and needs to be protected.</p> <p><b>Waiver:</b> May be granted if the fawning grounds are determined to be unsuitable or unoccupied and there is no reasonable likelihood of future use of the fawning grounds.</p> |

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| UTSO-S-101         | <p align="center"><b>TIMING LIMITATION – CRITICAL DEER AND ELK WINTER RANGE</b></p> <p>Do not allow surface-disturbing activities from <b>November 15 to April 15</b>.<br/> <b>Purpose:</b> To minimize stress and disturbance to deer and elk during critical winter months.<br/> <b>Exception:</b> This stipulation does not apply to the maintenance and operation of existing and ongoing facilities. An exception may be granted by the Field Manager if the operator submits a plan which demonstrates that impacts from the proposed action can be adequately mitigated or it is determined the habitat is not being utilized during the winter period for any given year.<br/> <b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area (1) if a portion of the area is not being used as winter range by deer/elk or (2) if habitat is being utilized outside of stipulation boundaries as winter range and needs to be protected or (3) if the migration patterns have changed causing a difference in the season of use.<br/> <b>Waiver:</b> May be granted if the winter range habitat is unsuitable or unoccupied during winter months by deer/elk and there is no reasonable likelihood of future winter range use.</p> |
| UTSO-S-103         | <p align="center"><b>TIMING LIMITATION – CRUCIAL ELK WINTER RANGE</b></p> <p>Do not allow activities that would result in adverse impacts to elk crucial winter range from December 1 - April 30.<br/> <b>Exception:</b> This restriction would not apply if elk are not present, or if it is determined through analysis and coordination with UDWR that impacts could be mitigated. Factors to be considered would include snow depth, temperature, snow crusting, location of disturbance, forage quantity and quality, animal condition, and expected duration of disturbance.<br/> <b>Modification:</b> The stipulation could be modified based on findings of collaborative monitoring and analysis. For example, the winter range configuration and time frames could be changed if current animal use patterns are determined to be inconsistent with the dates and boundaries established.<br/> <b>Waiver:</b> This stipulation could be waived if it is determined through collaborative monitoring and analysis that the area is not crucial winter range or that timing restrictions are unnecessary.</p>   |
| UTSO-S-105         | <p align="center"><b>TIMING LIMITATION – CRUCIAL DEER FAWNING HABITAT</b></p> <p>In order to protect crucial deer fawning habitat exploration, drilling, and other development activity would not be allowed from May 15 to June 30.<br/> <b>Exception:</b> This restriction would not apply to maintenance and operation of existing facilities. This stipulation may be excepted if either the resource values change or the lessee/operator demonstrates to BLMs satisfaction that adverse impact can be mitigated.<br/> <b>Modification:</b> None<br/> <b>Waiver:</b> None</p>  |
| UTSO-S-106         | <p align="center"><b>TIMING LIMITATION – CRUCIAL DEER WINTER RANGE</b></p> <p>Within crucial deer winter range, no more than 10% of such habitat would be subject to surface disturbance and remain un-reclaimed at any given time.<br/> <b>Exception:</b> This stipulation may be excepted if either the resource values change or the lessee/operator demonstrates to BLMs satisfaction that impacts can be mitigated.<br/> <b>Modification:</b> None<br/> <b>Waiver:</b> None</p>  |

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| <p align="center"><b>UTSO-S-107</b></p> | <p align="center"><b>TIMING LIMITATION – CRUCIAL DEER WINTER RANGE</b></p> <p>Do not allow activities that would result in adverse impacts to deer crucial winter range from December 1 - April 30.</p> <p><b>Exception:</b> This restriction would not apply if deer are not present, or if it is determined through analysis and coordination with UDWR that impacts could be mitigated. Factors to be considered would include snow depth, temperature, snow crusting, location of disturbance, forage quantity and quality, animal condition, and expected duration of disturbance.</p> <p><b>Modification:</b> The stipulation could be modified based on findings of collaborative monitoring and analysis. For example, the winter range configuration and time frames could be changed if current animal use patterns are determined to be inconsistent with the dates and boundaries established.</p> <p><b>Waiver:</b> This stipulation could be waived if it is determined through collaborative monitoring and analysis that the area is not crucial winter range or that timing restrictions are unnecessary.</p>   |
| <p align="center"><b>UTSO-S-126</b></p> | <p align="center"><b>CSU / TL - BALD EAGLES</b></p> <p>In areas that contain habitat for the Bald Eagle, actions would be avoided or restricted that may cause stress and disturbance during roosting and/or nesting and rearing of their young. Appropriate measures will depend on whether the action is temporary or permanent, and whether it occurs within or outside the Bald Eagle breeding or roosting season. A temporary action is completed prior to the following breeding or roosting season leaving no permanent structures and resulting in no permanent habitat loss. A permanent action continues for more than one breeding or roosting season and/or causes a loss of eagle habitat or displaces eagles through disturbances, i.e., creation of a permanent structure. Current avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> <li>1. Surveys would be required prior to operations unless species occupancy and distribution information is complete and available. All surveys must be conducted by qualified individual(s), and be conducted according to protocol.</li> <li>2. Lease activities would require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures would be evaluated.</li> <li>3. Water production would be managed to ensure maintenance or enhancement of riparian habitat.</li> <li>4. Temporary activities within 1.0 mile of nest sites would not occur during the breeding season of <b>January 1 to August 31</b>, unless the area has been surveyed according to protocol and determined to be unoccupied.</li> <li>5. Temporary activities within 0.5 miles of winter roost areas, e.g., cottonwood galleries, would not occur during the winter roost season of <b>November 1 to March 31</b>, unless the area has been surveyed according to protocol and determined to be unoccupied.</li> <li>6. No permanent infrastructure would be placed within 1.0 mile of nest sites.</li> <li>7. No permanent infrastructure would be placed within 0.5 miles of winter roost areas.</li> <li>8. Remove big game carrion to 100 feet from on lease roadways occurring within Bald Eagle foraging range.</li> <li>9. Avoid loss or disturbance to large cottonwood gallery riparian habitats.</li> <li>10. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in suitable habitat. Utilize direction drilling to avoid direct impacts to large cottonwood gallery riparian habitats. Ensure that such direction drilling does not intercept or degrade alluvial aquifers.</li> <li>11. All areas of surface disturbance within riparian areas and/or adjacent uplands should be re-vegetated with native species. Additional measures may also be employed to avoid or minimize effects to the species between the lease stage and lease development stage. These additional measures would be developed and implemented in coordination with the USFWS to ensure continued compliance with the Bald Eagle Protection Act.</li> </ol> <p><b>Purpose:</b> To protect Bald Eagle habitat.</p> <p><b>Exception:</b> An exception may be granted by the Field Manager if authorization is obtained from USFWS. The Field Manager may also grant an exception if an analysis indicates that the nature of the conduct of the actions, as proposed or conditioned, would not impair the habitat and physical requirements determined necessary for the survival of the Bald Eagles.</p> <p><b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area if an analysis indicates, and USFWS determines that a portion of the area is not being used as Bald Eagle nesting or roosting territories.</p> <p><b>Waiver:</b> May be granted if there is no reasonable likelihood of site occupancy over a</p> |

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|                                    | minimum 10 year period.  |
| <b>UTSO-S-131</b><br><br>(UT-S-89) | <p style="text-align: center;"><b>UNIT JOINER</b></p> <p>The successful bidder will be required to join the _____ Unit Agreement or show reason why a joiner should not be required.</p>   |
| <b>UTSO-S-133</b>                  | <p style="text-align: center;"><b>MATERIAL SITE RIGHTS-OF-WAY:</b></p> <p>Lessee shall conduct operations in conformity with the following requirements:</p> <p>(1) The Utah State Department of Highways will have unrestricted rights of ingress of the property.</p> <p>(2) The lease will not conflict with the right of the Utah State Department of Highways to remove any road-building materials from the property.</p> <p>(3) The Utah State Department of Highways reserves the right to set up, operate, and maintain such facilities as are reasonable to expedite the removal, production, and use of the materials; and the lessee shall not interfere with the Highway Department's use of the property for such purposes.</p>  |
| <b>UTSO-S-134</b>                  | <p style="text-align: center;"><b>CONDITIONAL SURFACE USE AND TIMING LIMITATIONS - BURROWING OWL AND FERRUGINOUS HAWK NESTING</b></p> <p>In habitat for raptor species, no surface disturbances or occupancy would be conducted during the breeding and nesting season (<b>March 1 to August 31</b> for burrowing owl and <b>March 1 – August 1</b> for ferruginous hawk) within spatial buffers (0.25 mile for burrowing owl and 0.5 mile for ferruginous hawk) of known nesting sites.</p> <p><b>Purpose:</b> To protect raptor habitat.</p> <p><b>Exception:</b> An exception would be granted if protocol surveys determine that nesting sites, breeding territories, and winter roosting areas are not occupied.</p> <p><b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area if portions of the area do not include habitat or are outside the current defined area, as determined by the BLM.</p> <p><b>Waiver:</b> May be granted if it is determined the habitat no longer exists or has been destroyed.</p> |
| <b>UTSO-S-135</b>                  | <p style="text-align: center;"><b>CONDITIONAL SURFACE USE - KIT FOX</b></p> <p>In Kit Fox habitat, allow no surface disturbances within 200 meters of a kit fox den.</p> <p><b>Purpose:</b> To protect Kit Fox habitat.</p> <p><b>Exception:</b> An exception will be granted if protocol surveys determine that Kit Fox dens are not present.</p> <p><b>Modification:</b> The Field Manager may modify the stipulation area if portions of the area do not contain habitat.</p> <p><b>Waiver:</b> A waiver may be granted if it is determined that the habitat no longer exists.</p>  |

| Number   | UTAH'S LEASE NOTICES  |
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| UT-LN-07 | <p style="text-align: center;"><b>RAPTOR HABITAT</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.</p>  |
| UT-LN-13 | <p style="text-align: center;"><b>BURROWING OWL HABITAT</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.</p>  |
| UT-LN-14 | <p style="text-align: center;"><b>FERRUGINOUS HAWK HABITAT</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing Ferruginous Hawk Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Ferruginous Hawk and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.</p>  |
| UT-LN-16 | <p style="text-align: center;"><b>MOUNTAIN PLOVER HABITAT</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing Mountain Plover Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Mountain Plover and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.</p>   |
| UT-LN-21 | <p style="text-align: center;"><b>HIGH POTENTIAL PALEONTOLOGICAL RESOURCES</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as having high potential for paleontological resources. Modifications to the Surface Use Plan of Operations may be required in order to protect paleontological resources from surface disturbing activities in accordance with Section 6 of the lease terms and 43 CFR 3101.1-2.</p>   |
| UT-LN-33 | <p style="text-align: center;"><b>RAPTORS</b></p> <p>Surveys will be required whenever surface disturbances and/or occupancy is proposed in association with fluid mineral exploration and development within potential raptor nesting areas. Field surveys will be conducted as determined by the authorized officer of the Bureau of Land Management. Based on the result of the field survey, the authorized officer will determine appropriate buffers and timing limitations. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p> |
| UT-LN-37 | <p style="text-align: center;"><b>UTAH SENSITIVE SPECIES</b></p> <p>The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named species on the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect these resources from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.</p>  |
| UT-LN-41 | <p style="text-align: center;"><b>NOXIOUS WEEDS</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.</p>   |
| UT-LN-43 | <p style="text-align: center;"><b>PYGMY RABBIT</b></p> <p>The lessee/operator is given notice that surface use or otherwise disruptive activity would not be allowed which would result in an aboveground facility or semi-permanent (e.g., roads, pipelines, reservoirs, etc.) within 300 feet of pygmy rabbit habitat. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>   |

| Number   | UTAH'S LEASE NOTICES  |
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| UT-LN-52 | <p style="text-align: center;"><b>UTAH SENSITIVE SPECIES</b></p> <p>The lessee/operator is given notice that no surface use or otherwise disruptive activity would be allowed that would result in direct disturbance to populations or individual special status plant and animal species, including those listed on the BLM sensitive species list and the Utah sensitive species list. The lessee/operator is also given notice that lands in this parcel have been identified as containing potential habitat for species on the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect these resources from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, Migratory Bird Treaty Act and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p> |
| UT-LN-76 | <p style="text-align: center;"><b>GUNNISON SAGE GROUSE</b></p> <p>The lessee/operator is given notice that this lease has been identified as containing sage grouse nesting and brooding habitat. Modifications may be required in the Surface Use Plan of Operations to protect the species and its habitat. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>  |
| UT-LN-77 | <p style="text-align: center;"><b>GUNNISON PRAIRIE DOG</b></p> <p>The Lessee/Operator is given notice that the land in this lease contain habitat for Gunnison prairie dogs. Modifications to the surface use plan may be required in order to protect prairie dogs and their habitat from surface disturbing activities. These modifications may include measures to avoid prairie dog colonies.</p>   |
| UT-LN-80 | <p style="text-align: center;"><b>CRUCIAL DEER AND ELK WINTER RANGE</b></p> <p>The lessee/operator is given notice that lands in the lease have been identified as containing crucial deer and elk Winter Range. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range.</p>  |
| UT-LN-86 | <p style="text-align: center;"><b>UTAH SENSITIVE SPECIES (YELLOW-BILLED CUCKOO)</b></p> <p>The lessee/operator is given notice that lands in this parcel have been identified as containing important habitat for named species on the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect these resources from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>   |
| UT-LN-90 | <p style="text-align: center;"><b>MIGRATORY BIRD</b></p> <p>The lessee/operator is given notice that surveys for nesting migratory birds may be required during migratory bird breeding season whenever surface disturbances and/or occupancy is proposed in association with fluid mineral exploration and development within priority habitats. Surveys should focus on identified priority bird species in Utah. Field surveys will be conducted as determined by the authorized officer of the Bureau of Land Management. Based on the result of the field survey, the authorized officer will determine appropriate buffers and timing limitations. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>   |

| Number    | UTAH'S LEASE NOTICES   |
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| UT-LN-93  | <p><b>CONDITIONAL SURFACE USE AND TIMING LIMITATIONS - YELLOW-BILLED CUCKOO HABITAT</b></p> <p>No surface-disturbing activities would be conducted within 100 meters of Yellow-billed Cuckoo habitat (riparian areas) from <b>May 15 through July 20</b>.</p> <p><b>Purpose:</b> To manage Yellow-billed Cuckoo habitat.</p> <p><b>Exception:</b> An exception may be granted by the Field Manager if authorization is obtained from USFWS (through applicable provisions of the ESA). The Field Manager may also grant an exception if an environmental analysis indicates that the nature of the conduct of the actions, as proposed or conditioned, would not impair the primary constituent element determined necessary for the survival and recovery of the Yellow-billed Cuckoo and USFWS concurs with this determination.</p> <p><b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area if an environmental analysis indicates, and USFWS (through applicable provisions of the ESA) determines that a portion of the area is not being used as Yellow-billed Cuckoo habitat.</p> <p><b>Waiver:</b> May be granted if the Yellow-billed Cuckoo is de-listed and if USFWS determines it is not necessary for the survival and recovery of the Yellow-billed Cuckoo.</p> |
| UT-LN-95  | <p><b>LEASE NOTICE – POTENTIAL FOR PALEONTOLOGICAL RESOURCES</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as having potential paleontological resources. Modifications to the Surface Use Plan of Operations may be required in order to protect paleontological resources from surface disturbing activities in accordance with Section 6 of the lease terms and 43 CFR 3101.1-2.</p>   |
| UT-LN-102 | <p><b>PRONGHORN FAWNING HABITAT</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing antelope fawning habitat. Exploration, drilling and other development activities would be restricted from May 15 through June 15 to protect antelope fawning. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>  |
| UT-LN-103 | <p><b>PRONGHORN WINTER HABITAT</b></p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing crucial pronghorn winter habitat. Exploration, drilling and other development activities would be restricted from December 1 through April 30 to protect crucial winter range. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>  |
| UT-LN-105 | <p><b>WATERFOWL NESTING AREAS</b></p> <p>The lessee/operator is given notice that this lease has been identified as containing surface waters with nesting water fowl habitat. Exploration, drilling and other development activities would be restricted from March 15 through July 15 within 0.25 mile of identified surface waters with nesting waterfowl habitat. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>   |
| UT-LN-106 | <p><b>WATERFOWL WINTER CONCENTRATION AREAS</b></p> <p>The lessee/operator is given notice that this lease has been identified as containing surface waters with concentrations of wintering waterfowl habitat. Exploration, drilling and other development activities would be restricted from November 1 through March 15 within 0.25 mile identified surface waters with concentrations of wintering waterfowl habitat. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>   |
| UT-LN-108 | <p><b>BURROWING OWL HABITAT</b></p> <p>The lessee/operator is given notice that this lease has been identified as containing burrowing owl habitat. Exploration, drilling and other development activities would not be allowed from March 1 through August 31 which would disrupt burrowing owl breeding activities within 0.25 mile of an occupied nest. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>  |

| Number    | UTAH'S LEASE NOTICES  |
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| UT-LN-109 | <p style="text-align: center;"><b>BALD EAGLE HABITAT</b></p> <p>The Lessee/Operator is given notice that the lands in this parcel contains nesting/winter roost habitat for the bald eagle. Avoidance or use restrictions may be placed on all or portions of the lease. Application of appropriate measures will depend on whether the action is temporary or permanent, and whether it occurs within or outside the bald eagle breeding or roosting season. A <u>temporary</u> action is completed prior to the following breeding or roosting season leaving no permanent structures and resulting in no permanent habitat loss. A <u>permanent</u> action continues for more than one breeding or roosting season and/or causes a loss of eagle habitat or displaces eagles through disturbances, i.e. creation of a permanent structure. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>  |
| UT-LN-112 | <p style="text-align: center;"><b>RIPARIAN AREA PROTECTION</b></p> <p>The lessee/operator is given notice that in order to protect watersheds, occupancy or other surface disturbing activities will not be allowed within 500 feet of riparian areas and wetlands. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>  |
| UT-LN-113 | <p style="text-align: center;"><b>ERODIBLE SOILS AND STEEP SLOPES</b></p> <p>The area is a municipal or non-municipal watershed and has steep slopes and erosive soils. New roads will be constructed to avoid soils that are highly erosive and / or in critical or severe erosion conditions. New roads will be constructed with water bars. Riprap may be required. Road grades in excess of 8 percent will normally not be allowed. In special circumstances, where a road grade of more than 10 percent is allowed, its maximum length will be 1,000 feet. Access grading along with exploration, drilling, construction, or other activities will be prohibited during wet or muddy conditions (usually during spring runoff and summer monsoon rains). This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>  |
| UT-LN-114 | <p style="text-align: center;"><b>STEEP SLOPES</b></p> <p>The lessee/operator is given notice that, occupancy would not be allowed on slopes in excess of 30 percent without written permission from the Authorized Officer.</p>  |
| UT-LN-115 | <p style="text-align: center;"><b>FLOODPLAINS</b></p> <p>The lessee/operator is given notice that lands in this lease could contain a floodplain and may require surveys to avoid adverse impact to the floodplain (520 DM 1). Developments should be located outside of the floodplain. Field surveys will be conducted as determined by the authorized officer of the Bureau of Land Management. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>   |
| UT-LN-117 | <p style="text-align: center;"><b>WHITE-TAILED AND GUNNISON PRAIRIE DOG</b></p> <p>Do not allow surface-disturbing activities within 660 feet of active prairie dog colonies identified within prairie dog habitat. No permanent aboveground facilities are allowed within the 660 feet buffer.<br/> <b>Purpose:</b> To protect White-tailed prairie dog and Gunnison prairie dog habitat.<br/> <b>Exception:</b> An exception may be granted if the applicant submits a plan that indicates that impacts of the proposed action can be adequately mitigated or, if due to the size of the town, there is no reasonable location to develop a lease and avoid colonies the Field Manager will allow for loss of prairie dog colonies and/or habitat to satisfy terms and conditions of the lease.<br/> <b>Modification:</b> The Field Manager may modify the boundaries of the stipulation area if portions of the area does not include prairie dog habitat or <i>active</i> colonies are found outside current defined area, as determined by BLM.<br/> <b>Waiver:</b> May be granted if it is determined that the habitat no longer exists or has been destroyed within the leasehold.</p> |

| Number    | UTAH'S LEASE NOTICES   |
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| UT-LN-119 | <p style="text-align: center;"><b>PEREGRINE FALCON NEST SITES</b></p> <p>The lessee/operator is given notice that this lease has been identified as containing bald eagle habitat. Exploration, drilling and other development activities would not be allowed from February 1 through August 31 which would disrupt peregrine falcon breeding activities within 1 mile of an occupied nest. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.</p>  |
| UT-LN-122 | <p style="text-align: center;"><b>DRINKING WATER SOURCE PROTECTION</b></p> <p>This lease (or a portion thereof) is within a public Drinking Water Source Protection zone. Before application for a permit to drill (APD) submittal or any proposed surface-disturbing activity, the lessee/operator must contact the public water system manager to determine any zoning ordinances, best management or pollution prevention measures, or physical controls that may be required within the protection zones. Drinking Water Source Protection plans are developed by the public water systems under the requirements of R309-600, Drinking Water Source Protection for Ground-Water Sources (Utah Administrative Code). There may also be county ordinances in place to protect the source protection zones, as required by Section 19-4-113 of the Utah Code.</p> <p>Incorporated cities and towns may also protect their drinking water sources using Section 10-8-15 of the Utah Code. This part of the Code gives cities and towns the extraterritorial authority to enact ordinances to protect a source of drinking water ... "For 15 miles above the point from which it is taken and for a distance of 300 feet on each side of such stream..." Class I cities (greater than 100,000 population) are granted authority to protect their entire watersheds.</p> <p>Some public water sources qualify for monitoring waivers which reduce their monitoring requirements for pesticides and volatile organic chemicals (VOCs). Exploration, drilling, and production activities within Source Protection zone 3 could jeopardize these waivers, thus requiring increased monitoring. Contact the public water system to determine what effect your activities may have on their monitoring waivers. Please be aware of other State rules to protect surface and ground water: the Utah Division of Water Quality Rules R317 Water Quality Rules; and Rules of the Utah Division of Oil, Gas and Mining, Utah Oil and Gas Conservation Rules R649.</p> <p>At the time of development, drilling operators will additionally conform to the operational regulations in Onshore Oil &amp; Gas Order No. 2 (which requires the protection and isolation of all usable quality waters), Onshore Oil and Gas Order No. 7 (which prescribes measures required for the handling of produced water to ensure the protection of surface and ground water sources) and the Surface Operating Standards and Guidelines for Oil and Gas Development, The Gold Book, Fourth Edition-Revised 2007 (which provides information and requirements for conducting environmentally responsible oil and gas operations).</p> |

| Stip Number | Utah's Threatened & Endangered Species Notices  |
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| T&E-01      | <p style="text-align: center;"><b>Bald Eagle</b></p> <p>The Lessee/Operator is given notice that the lands in this parcel contains nesting/winter roost habitat for the bald eagle, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on whether the action is temporary or permanent, and whether it occurs within or outside the bald eagle breeding or roosting season. A <u>temporary</u> action is completed prior to the following breeding or roosting season leaving no permanent structures and resulting in no permanent habitat loss. A <u>permanent</u> action continues for more than one breeding or roosting season and/or causes a loss of eagle habitat or displaces eagles through disturbances, i.e. creation of a permanent structure. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.</p> <p>Current avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> <li>1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s), and be conducted according to protocol.</li> <li>2. Lease activities will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.</li> <li>3. Water production will be managed to ensure maintenance or enhancement of riparian habitat.</li> <li>4. Temporary activities within 1.0 mile of nest sites will not occur during the breeding season of January 1 to August 31, unless the area has been surveyed according to protocol and determined to be unoccupied.</li> <li>5. Temporary activities within 0.5 miles of winter roost areas, e.g., cottonwood galleries, will not occur during the winter roost season of November 1 to March 31, unless the area has been surveyed according to protocol and determined to be unoccupied.</li> <li>6. No permanent infrastructure will be placed within 1.0 mile of nest sites.</li> <li>7. No permanent infrastructure will be placed within 0.5 miles of winter roost areas.</li> <li>8. Remove big game carrion to 100 feet from on lease roadways occurring within bald eagle foraging range.</li> <li>9. Avoid loss or disturbance to large cottonwood gallery riparian habitats.</li> <li>10. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in suitable habitat Utilize directional drilling to avoid direct impacts to large cottonwood gallery riparian habitats. Ensure that such directional drilling does not intercept or degrade alluvial aquifers.</li> <li>11. All areas of surface disturbance within riparian areas and/or adjacent uplands should be re-vegetated with native species.</li> </ol> <p>Additional measures may also be employed to avoid or minimize effects to the species between the lease sale stage and lease development stage. These additional measures will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.</p> |

| Stip Number | Utah's Threatened & Endangered Species Notices   |
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| T&E-03      | <p data-bbox="532 170 1237 201" style="text-align: center;"><b>Endangered Fish of the Upper Colorado River Drainage Basin</b></p> <p data-bbox="334 226 1438 554">The Lessee/Operator is given notice that the lands in this parcel contain Critical Habitat for the Colorado River fish (bonytail, humpback chub, Colorado pike minnow, and razorback sucker) listed as endangered under the Endangered Species Act, or these parcels have watersheds that are tributary to designated habitat. Critical habitat was designated for the four endangered Colorado River fishes on March 21, 1994(59 FR 13374-13400). Designated critical habitat for all the endangered fishes includes those portions of the 100-year floodplain that contain primary constituent elements necessary for survival of the species. Avoidance or use restrictions may be placed on portions of the lease. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration, of and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.</p> <p data-bbox="347 583 1068 611">Current avoidance and minimization measures include the following:</p> <ol data-bbox="383 638 1438 1213" style="list-style-type: none"> <li>1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s).</li> <li>2. Lease activities will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.</li> <li>3. Water production will be managed to ensure maintenance or enhancement of riparian habitat.</li> <li>4. Avoid loss or disturbance of riparian habitats.</li> <li>5. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in suitable riparian habitat. Ensure that such directional drilling does not intercept or degrade alluvial aquifers.</li> <li>6. Conduct watershed analysis for leases in designated critical habitat and overlapping major tributaries in order to determine toxicity risk from permanent facilities.</li> <li>7. Implement the Utah Oil and Gas Pipeline Crossing Guidance (from BLM National Science and Technology Center).</li> <li>8. Drilling will not occur within 100 year floodplains of rivers or tributaries to rivers that contain listed fish species or critical habitat.</li> <li>9. In areas adjacent to 100-year flood plains, particularly in systems prone to flash floods, analyze the risk for flash floods to impact facilities, and use closed loop drilling, and pipeline burial or suspension according to the Utah Oil and Gas Pipeline Crossing Guidance, to minimize the potential for equipment damage and resulting leaks or spills.</li> </ol> <p data-bbox="334 1241 1409 1377">Water depletions from <i>any</i> portion of the Upper Colorado River drainage basin above Lake Powell are considered to adversely affect or adversely modify the critical habitat of the four resident endangered fish species, and must be evaluated with regard to the criteria described in the Upper Colorado River Endangered Fish Recovery Program. Formal consultation with USFWS is required for all depletions. All depletion amounts must be reported to BLM.</p> <p data-bbox="334 1407 1438 1484">Additional measures to avoid or minimize effects to the species may be developed and implemented in consultation with the U.S. Fish and Wildlife Service between the lease sale stage and lease development stage to ensure continued compliance with the ESA.</p> |

| Stip Number | Utah's Threatened & Endangered Species Notices  |
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| T&E-06      | <p style="text-align: center;"><b>Mexican Spotted Owl</b></p> <p>The Lessee/Operator is given notice that the lands in this lease contain suitable habitat for Mexican spotted owl, a federally listed species. <b>Insert the following if lease contains Designated Critical Habitat:</b> <i>[The Lessee/Operator is given notice that the lands in this lease contain Designated Critical Habitat for the Mexican spotted owl, a federally listed species. Critical habitat was designated for the Mexican spotted owl on August 31, 2004 (69 FR 53181-53298).]</i> Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend whether the action is temporary or permanent, and whether it occurs within or outside the owl nesting season. A <u>temporary</u> action is completed prior to the following breeding season leaving no permanent structures and resulting in no permanent habitat loss. A <u>permanent</u> action continues for more than one breeding season and/or causes a loss of owl habitat or displaces owls through disturbances, i.e. creation of a permanent structure. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures, will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.</p> <p>Current avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> <li>1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s).</li> <li>2. Assess habitat suitability for both nesting and foraging using accepted habitat models in conjunction with field reviews. Apply the conservation measures below if project activities occur within 0.5 mile of suitable owl habitat. Determine potential effects of actions to owls and their habitat. <ol style="list-style-type: none"> <li>a. Document type of activity, acreage and location of direct habitat impacts, type and extent of indirect impacts relative to location of suitable owl habitat.</li> <li>b. Document if action is temporary or permanent.</li> </ol> </li> <li>3. Lease activities will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.</li> <li>4. Water production will be managed to ensure maintenance or enhancement of riparian habitat.</li> <li>5. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in canyon habitat suitable for Mexican spotted owl nesting.</li> <li>6. For all temporary actions that may impact owls or suitable habitat: <ol style="list-style-type: none"> <li>a. If the action occurs entirely outside of the owl breeding season (March 1 – August 31), and leaves no permanent structure or permanent habitat disturbance, action can proceed without an occupancy survey.</li> <li>b. If action will occur during a breeding season, survey for owls prior to commencing activity. If owls are found, activity must be delayed until outside of the breeding season.</li> <li>c. Rehabilitate access routes created by the project through such means as raking out scars, re-vegetation, gating access points, etc.</li> </ol> </li> <li>7. For all permanent actions that may impact owls or suitable habitat: <ol style="list-style-type: none"> <li>a. Survey two consecutive years for owls according to accepted protocol prior to commencing activities.</li> <li>b. If owls are found, no actions will occur within 0.5 mile of identified nest site. If nest site is unknown, no activity will occur within the designated Protected Activity Center (PAC).</li> <li>c. Avoid drilling and permanent structures within 0.5 mi of suitable habitat unless surveyed and not occupied.</li> <li>d. Reduce noise emissions (e.g., use hospital-grade mufflers) to 45 dBA at 0.5 mile from suitable habitat, including canyon rims. Placement of permanent noise-generating facilities should be determined by a noise analysis to ensure noise does not encroach upon a 0.5 mile buffer for suitable habitat, including canyon rims.</li> <li>e. Limit disturbances to and within suitable habitat by staying on approved routes.</li> <li>f. Limit new access routes created by the project.</li> </ol> </li> </ol> <p>Additional measures to avoid or minimize effects to the species may be developed and implemented in consultation with the U.S. Fish and Wildlife Service between the lease sale stage and lease development stage to ensure continued compliance with the ESA.</p> |

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| T&E-07      | <p style="text-align: center;"><b>Southwestern Willow Flycatcher</b></p> <p>The Lessee/Operator is given notice that the lands in this parcel contains riparian habitat that falls within the range for southwestern willow flycatcher, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend whether the action is temporary or permanent, and whether it occurs within or outside the nesting season. A <u>temporary</u> action is completed prior to the following breeding season leaving no permanent structures and resulting in no permanent habitat loss. A <u>permanent</u> action continues for more than one breeding season and/or causes a loss of habitat or displaces flycatchers through disturbances, i.e. creation of a permanent structure. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures, will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.</p> <p>Current avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> <li>1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s), and be conducted according to protocol.</li> <li>2. Lease activities will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.</li> <li>3. Water production will be managed to ensure maintenance or enhancement of riparian habitat.</li> <li>4. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in suitable riparian habitat. Ensure that such directional drilling does not intercept or degrade alluvial aquifers.</li> <li>5. Drilling activities will maintain a 300 ft. Buffer from suitable riparian habitat year long.</li> <li>6. Drilling activities within 0.25 mile of occupied breeding habitat will not occur during the breeding season of May 1 to August 15.</li> <li>7. Ensure that water extraction or disposal practices do not result in change of hydrologic regime that would result in loss or degradation of riparian habitat.</li> <li>8. Re-vegetate with native species all areas of surface disturbance within riparian areas and/or adjacent uplands.</li> </ol> <p>Additional measures to avoid or minimize effects to the species may be developed and implemented in consultation with the U.S. Fish and Wildlife Service between the lease sale stage and lease development stage to ensure continued compliance with the ESA.</p> |

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| T&E-10      | <p style="text-align: center;"><b>California Condor</b></p> <p>The Lessee/Operator is given notice that the lands located in this parcel contain potential habitat for the California Condor, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease if the area is known or suspected to be used by condors. Application of appropriate measures will depend on whether the action is temporary or permanent, and whether it occurs within or outside potential habitat. A <u>temporary</u> action is completed prior to the following important season of use, leaving no permanent structures and resulting in no permanent habitat loss. This would include consideration for habitat functionality. A <u>permanent</u> action continues for more than one season of habitat use, and/or causes a loss of condor habitat function or displaces condors through continued disturbance (i.e. creation of a permanent structure requiring repetitious maintenance, or emits disruptive levels of noise).</p> <p>The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.</p> <p>Current avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> <li>1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s) approved by the BLM, and must be conducted according to approved protocol.</li> <li>2. If surveys result in positive identification of condor use, all lease activities will require monitoring throughout the duration of the project to ensure desired results of applied mitigation and protection. Minimization measures will be evaluated during development and, if necessary, Section 7 consultation may be reinitiated.</li> <li>3. Temporary activities within 1.0 mile of nest sites will not occur during the breeding season.</li> <li>4. Temporary activities within 0.5 miles of established roosting sites or areas will not occur during the season of use, August 1 to November 31, unless the area has been surveyed according to protocol and determined to be unoccupied.</li> <li>5. No permanent infrastructure will be placed within 1.0 mile of nest sites.</li> <li>6. No permanent infrastructure will be placed within 0.5 miles of established roosting sites or areas.</li> <li>7. Remove big game carrion to 100 feet from on lease roadways occurring within foraging range.</li> <li>8. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in suitable habitat Utilize directional drilling to avoid direct impacts to large cottonwood gallery riparian habitats. Ensure that such directional drilling does not intercept or degrade alluvial aquifers.</li> <li>9. Reinitiation of section 7 consultation with the Service will be sought immediately if mortality or disturbance to California condors is anticipated as a result of project activities. Additional site-specific measures may also be employed to avoid or minimize effects to the species. These additional measures will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the ESA.</li> </ol> <p>Additional measures may also be employed to avoid or minimize effects to the species between the lease sale and lease development stages. These additional measures will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.</p> |

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| T&E-11      | <p style="text-align: center;"><b>PARIETTE CACTUS (<i>SCLEROCACTUS BREVISPINUS</i>) AND UINTA BASIN HOOKLESS CACTUS [<i>SCLEROCACTUS GLAUCUS (BREVISPINUS AND WETLANDICUS)</i>]</b></p> <p>The Lessee/Operator is given notice that the lands in this parcel contain suitable habitat for the Pariette cactus and Uinta Basin hookless cactus, under the Endangered Species Act (ESA). The following avoidance and minimization measures have been developed to facilitate review and analysis of any submitted permits under the authority of this lease:</p> <p>In order to minimize effects to the federally threatened Pariette cactus and Uinta Basin hookless cactus, the BLM in coordination with the USFWS, developed the following avoidance and minimization measures. Integration of and adherence to these measures will help ensure the activities carried out during oil and gas development (including but not limited to drilling, production, and maintenance) are in compliance with the ESA. The following avoidance and minimization measures should be included in the Plan of Development:</p> <ol style="list-style-type: none"> <li>1. Pre-project habitat assessments will be completed across 100% of the project disturbance area within potential habitat<sup>1</sup> prior to any ground disturbing activities to determine if suitable Pariette cactus and Uinta Basin hookless cactus habitat is present.</li> <li>2. Within suitable habitat<sup>2</sup>, site inventories will be conducted to determine occupancy. Inventories:       <ol style="list-style-type: none"> <li>a. Must be conducted by qualified individual(s) and according to BLM and Service accepted survey protocols,</li> <li>b. Will be conducted in suitable and occupied<sup>3</sup> habitat for all areas proposed for surface disturbance prior to initiation of project activities and within the same growing season, at a time when the plant can be detected, and during appropriate flowering periods:           <ol style="list-style-type: none"> <li>i. <i>Sclerocactus brevispinus</i> surveys should be conducted March 15<sup>th</sup> to June 30<sup>th</sup>, unless extended by the BLM</li> <li>ii. <i>Sclerocactus wetlandicus</i> surveys can be done any time of the year, provided there is no snow cover,</li> </ol> </li> <li>c. Will occur within 115' from the centerline of the proposed right-of-way for surface pipelines or roads; and within 100' from the perimeter of disturbance for the proposed well pad including the well pad,</li> <li>d. Will include, but not be limited to, plant species lists and habitat characteristics, and</li> <li>e. Will be valid until March 15<sup>th</sup> the following year for <i>Sclerocactus brevispinus</i> and one year from the survey date for <i>Sclerocactus wetlandicus</i>.</li> </ol> </li> <li>3. Design project infrastructure to minimize impacts within suitable habitat<sup>2</sup>:       <ol style="list-style-type: none"> <li>a. Reduce well pad size to the minimum needed, without compromising safety,</li> <li>b. Limit new access routes created by the project,</li> <li>c. Roads and utilities should share common right-of-ways where possible,</li> <li>d. Reduce width of right-of-ways and minimize the depth of excavation needed for the road bed; where feasible, use the natural ground surface for the road within habitat,</li> <li>e. Place signing to limit off-road travel in sensitive areas,</li> <li>f. Stay on designated routes and other cleared/approved areas, and</li> <li>g. All disturbed areas will be re-vegetated with native species comprised of species indigenous to the area and non-native species that are not likely to invade other areas.</li> </ol> </li> <li>4. Within occupied habitat<sup>3</sup>, project infrastructure will be designed to avoid direct disturbance and minimize indirect impacts to populations and to individual plants:       <ol style="list-style-type: none"> <li>a. Follow the above (#3) recommendations for project design within suitable habitats,</li> <li>b. Buffers of 100 feet minimum between the edge of the right of way (roads and surface pipelines) or surface disturbance (well pads) and plants and populations will be incorporated,</li> <li>c. Surface pipelines will be laid such that a 100 foot buffer exists between the edge of the right of way and the plants, use stabilizing and anchoring techniques when the pipeline crosses the habitat to ensure the pipelines don't move towards the population,</li> <li>d. Before and during construction, areas for avoidance should be visually identifiable in the field (e.g., flagging, temporary fencing, rebar, etc.),</li> <li>e. Where technically and economically feasible, use directional drilling or multiple wells from the same pad,</li> </ol> </li> </ol> |

<sup>1</sup> Potential habitat is defined as areas which satisfy the broad criteria of the species habitat description; usually determined by preliminary, in-house assessment.

<sup>2</sup> Suitable habitat is defined as areas which contain or exhibit the specific components or constituents necessary for plant persistence; determined by field inspection and/or surveys; may or may not contain Uinta Basin hookless cactus. Habitat descriptions can be found in the U.S. Fish and Wildlife Service's 1990 Recovery Plan and Federal Register Notices for the Uinta Basin hookless cactus (<http://www.fws.gov/endangered/wildlife.html>).

<sup>3</sup> Occupied habitat is defined as areas currently or historically known to support Uinta Basin hookless cactus; synonymous with "known habitat."

- f. Designs will avoid concentrating water flows or sediments into occupied habitat,
  - g. Place produced oil, water, or condensate tanks in centralized locations, away from occupied habitat, and
  - h. Minimize the disturbed area of producing well locations through interim and final reclamation. Reclaim well pads following drilling to the smallest area possible.
5. Occupied Pariette cactus and Uinta Basin hookless cactus habitats within 100' of the edge of the surface pipelines' right-of-ways, 100' of the edge of the roads' right-of-ways, and 100' from the edge of the well pad shall be monitored for a period of three years after ground disturbing activities. Monitoring will include annual plant surveys to determine plant and habitat impacts relative to project facilities. Annual reports shall be provided to the BLM and the USFWS. To ensure desired results are being achieved, minimization measures will be evaluated and may be changed after a thorough review of the monitoring results and annual reports during annual meetings between the BLM and the USFWS.
6. Re-initiation of Section 7 consultation with the USFWS will be sought immediately if any loss of plants or occupied habitat for the Pariette cactus and Uinta Basin hookless cactus is anticipated as a result of project activities.

Additional site-specific measures may also be employed to avoid or minimize effects to the species. These additional measures will be developed and implemented in consultation with the USFWS to ensure continued compliance with the ESA.