

## INTERDISCIPLINARY TEAM CHECKLIST

**Monticello Field Office**

**Project Title:** March 2019 Monticello Field Office Oil and Gas Lease Sale

**NEPA Log Number:** DOI-BLM-UT-Y020-2019-0004-DNA

**File/Serial Number:** Not Applicable

**Project Leader:** Cliff Giffen

**DETERMINATION OF STAFF:**

NP = not present in the area impacted by the proposed or alternative actions

NI = present, but not affected to a degree that detailed analysis is required

PI = present with potential for relevant impact that need to be analyzed in detail in the EA

NC = (DNAs only) actions and impacts not changed from those disclosed in the existing NEPA documents cited in Section C of the DNA form. The Rationale column may include NI and NP discussions.

**RESOURCES AND ISSUES CONSIDERED (INCLUDES SUPPLEMENTAL AUTHORITIES APPENDIX 1 H-1790-1)**

Determination	Resource	Rationale for Determination*	Signature	Date
NC	Air Quality	<p>The sale and issuance of an oil and gas lease is an administrative action that does not directly result in any surface disturbance. The lessee/operator would submit an APD when oil and gas exploration and development activities are proposed. The APD would be subject to site specific NEPA analysis. San Juan County is in attainment of the National Ambient Air Quality Standards (NAAQS) for all pollutants. Currently air quality in the area of the proposed leasing meets State Department of Environmental Quality Division of Air Quality Standards.</p> <p>Leasing would have no direct impact on air quality. However, there is some expectation that exploration could occur. Any ground disturbing activity would have to first be authorized as a lease operation but only through additional NEPA analysis. Activities which may be authorized on these parcels subsequent to the lease sale may produce emissions of regulated air pollutants and/or pollutants that could impact air quality.</p> <p>The construction, drilling, completion, testing, and production of an oil and gas well would result in emissions of pollutants that affect air quality. As required by the Monticello RMP, lease stipulation UT-S-01 requiring engine emission standards would be attached to each lease. Lease notices LN-UT-96 (Air Quality Mitigation Measures), UT-LN-99 (ozone formation control) and UT-LN-102 (air quality analysis) will also be attached to each lease parcel.</p> <p>In addition, any development of a lease would be subject to the provisions in the Utah Administrative Code R307-205-5, R307-501 to 510, and R307-401. Generally, the Utah Administrative Code establishes general requirements for prevention of emissions and use of good air pollution control practices for all oil and gas operations within the State.</p> <p>The stipulation required by the RMP, lease notices, and compliance with the Utah Administrative Code will adequately mitigate impacts from the proposed action to air quality.</p>	CGiffen	1/15/2019

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		<p>The proposed action is not likely to violate, or otherwise contribute, to any violation of any applicable air quality standards.</p> <p>Potential impacts to air quality from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP and the March 2018 EA. Actions and impacts are not changed from those disclosed in the existing NEPA documents.</p>		
NP	Areas of Critical Environmental Concern	None of the parcels are within ACECs.	John Chmelir (Cultural)	1/15/2019
			Jason Byrd	11/15/18
NP	BLM Natural Areas	None of the parcels are within BLM Natural Areas	Misti Haines	11/15/18
NC	Cultural Resources	<p>BLM archaeologists are compiling cultural resources data from the Monticello field office cultural resource libraries, GIS data (CURES), and the Preservation Pro database area. These data sources contain information of all of the recorded cultural resource sites and cultural resource survey data for the area available to BLM and the Utah Division of State History. In addition, the BLM is using the field office cultural resources planning model to help provide cultural resources information for areas not previously surveyed (Beck et al. 2017).</p> <p>Archaeologist use this data to determine if oil and gas development could occur within each parcel while avoiding know cultural sites. The parcels are reviewed for the application of stipulations and lease notices as required by the Monticello RMP.</p> <p>The preliminary analysis using the cultural resources planning model (Beck et. Al., 2017) indicates that, in the vast majority of the Monticello FO parcels, there is a high probability of the presence of cultural resources.</p> <p>The Monticello RMP requires stipulation UT-S-170: CSU – Cultural to be attached to all parcels.</p> <p>BLM’s Section 106 cultural analysis, consultation with the Utah State Historic Preservation Office, Native American Tribes, and other consulting parties are ongoing.</p> <p>For future undertakings related to this lease sale, BLM will not approve any ground disturbing activities until it completes its obligations to consider cultural resources under NEPA, NHPA and other authorities specific to those future undertakings. Consideration of impacts to cultural resources and adverse effects to historic properties will be taken into account during the review stage of site specific development plans.</p> <p>From the cultural resource report for the March 2019 Oil and Gas Lease Sale, a total of 598 sites were identified within the parcels. 1006 sites were identified outside of the parcels within a 1/2 buffer. The report identified cultural resources eligible to the National Register of Historice Places (NRHP) as well as cultural resources that are not eligible to the NRHP. The amount of cultural resource survey within the parcel area ranges from 4.38% to 60.68%.</p>	John Chmelir	1/15/2019
NC	Greenhouse Gas Emissions/Climate Change	The March 2018 EA contains the most up-to-date analysis of the impacts to greenhouse gas emissions/climate change from the proposed action. Potential impacts to greenhouse gas emissions/climate change from oil and gas leasing are	CGiffen	1/15/2019

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		adequately analyzed and documented in the environmental analysis prepared for March 2018 EA. Actions and impacts are not changed from those disclosed in the existing NEPA document.		
NC	Environmental Justice	<p>Minority and low income populations do exist in the Monticello FO area. The PRMP/FEIS, 2008 adequately assessed impacts to environmental justice population as defined in Executive Order 12898 and it was determined that no BLM action proposed across all alternatives or the Proposed Plan would target or cause any disproportionate impacts to any minority or low income segments of the population (Monticello PRMP/FEIS, 2008 p. 4-421).</p> <p>All citizens can file an expression of interest or participate in the bidding process (43 CFR §3120.3-2). The stipulations and notices applied to the subject parcels do not place an undue burden on these groups.</p> <p>Potential impacts to Environmental Justice from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in the existing NEPA documents.</p>	CGiffen	1/15/2019
NC	Fish and Wildlife Excluding USFWS Designated Species	<p>The impacts of oil and gas development on general wildlife and big game and general wildlife species and their habitats were fully analyzed in the Monticello RMP, 2008 and the March 2018 EA. Actions and impacts are not changed from those disclosed in these NEPA documents. In addition, the Moab Master Leasing Plan developed new and updated protection measures (lease notices) in coordination with the USFWS to protect federally listed species. Monticello plan maintenance action number 102 implemented these updated lease notices for Mexican spotted owl, Southwestern willow flycatcher, yellow-billed cuckoo, California condor, and endangered Colorado River fish species throughout the Monticello RMP planning area.</p> <p>Additional review and analysis will occur at the developmental stage (APD).</p> <p>See Wildlife and Botany Resources Leasing Assessment for detailed species and habitat information and Appendix A for the applicable lease notices and stipulations developed in the 2008 Monticello RMP and Moab MLP respectively.</p>	Melissa Wardle	1/17/2019
NC	Floodplains	<p>The lessee/operator would submit an APD when oil and gas exploration and development activities are proposed. The APD would be subject to site specific NEPA analysis. An approved APD is subject to standard operating procedures (SOP) required by regulation, stipulations attached to the lease, best management practices (BMP) included in the APD submission, and conditions of approval (COA) developed during the NEPA analysis and documentation process. These SOPs, BMPs, and COAs mitigate impacts to other resources, such as floodplains, from oil and gas exploration and development activities.</p> <p>UT-S-128: NSO – Floodplains, Riparian Areas, Springs, and Public Water Reserves is specified by the Monticello RMP and is applied to appropriate parcels.</p>	Jed Carling	10/29/2018

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		<p>RMP RIP 5 – No surface disturbing activities are allowed in active floodplains, public water reserves, or within 100 meter of riparian areas unless it can be shown that: a) There is no practicable alternative or b) All long-term impacts can be fully mitigated or, c) The activity will benefit and enhance the riparian area.</p> <p>Stipulations/Lease Notices specified by the Monticello RMP either address floodplains directly; or provide protective buffers for riparian areas and/or stream channels that indirectly protect floodplain resources.</p> <p>Actions and impacts not changed from those disclosed in the 2008 Monticello RMP.</p>		
NC	Fuels/Fire Management	Impacts to Fire and Fuels Management from leasing are adequately analyzed in the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents	P. Plemons	10/31/19
NC	Mineral Resources/Energy Production	Potential impacts to mineral resources and energy production from leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in the existing NEPA documents.	T. McDougall	10/18/18
NC	Invasive Species/Noxious Weeds (EO 13112)	Impacts by invasive species / noxious weeds do to the proposed action are contained in the analysis for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.	N. Noyes	11/13/2018
NC	Lands/Access	Impacts to lands/Access from leasing are contained in the analysis for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.	Norbert Norton	11/13/2018
NC	Livestock Grazing	<p>The lessee/operator would submit an APD when oil and gas exploration and development activities are proposed, which may entail surface disturbing activities. The APD would be subject to site specific NEPA analysis. Potential impacts to livestock grazing, if any, would be addressed during this APD analysis and approval process.</p> <p>Potential impacts to livestock grazing from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in the existing NEPA documents.</p>	N. Noyes	11/13/2018
NC	Migratory Birds/Raptors	<p>The impacts of oil and gas development and the application of these lease notices applied for Migratory Birds/Raptors and their habitats were fully analyzed in the 2008 Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents. No new information or additional impacts have been identified therefore additional analysis is not required.</p> <p>See Wildlife and Botany Resources Leasing Assessment for detailed species and habitat information and Appendix A for the applicable lease notices and stipulations developed in the 2008 Monticello RMP.</p>	Melissa Wardle	1/17/2019
NC	Utah BLM Sensitive Species	The impacts of oil and gas development and the application of these lease notices and stipulations applied on Utah BLM Sensitive Species and their habitats were fully analyzed in the 2008 Monticello RMP. Actions and impacts are not	Melissa Wardle	1/17/2019

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		<p>changed from those disclosed in these NEPA documents. . Additional review would occur at the development stage (APD) No new information or additional impacts have been identified therefore additional analysis is not required.</p> <p>See Wildlife and Botany Resources Leasing Assessment for detailed species and habitat information and Appendix A for the applicable lease notices and stipulations developed in the 2008 Monticello RMP.</p>		
NC	Native American Religious Concerns	<p>The sale and issuance of an oil and gas lease is an administrative action that does not directly result in any surface disturbance. However, the issuance of a lease is considered to be an irretrievable commitment of resources because the BLM generally cannot deny all surface use of a lease unless the lease is issued with a no surface occupancy stipulation.</p> <p>The lessee/operator would submit an APD when oil and gas exploration and development activities are proposed. The APD would be subject to site specific NEPA analysis and relevant cultural resource avoidance or mitigation measures if warranted.</p> <p>Government to Government consultations with Native American Tribes were initiated on November 6, 2018. To date, no responses have been received.</p> <p>No specific religious or other concerns have been raised to date; however, the consultation process is on-going.</p> <p>Update: To continue the consultation process for the March 2019 Oil and Gas Lease Sale the cultural resource report was emailed to Tribes in the region on 1/17/18.</p>	John Chmelir	1/15/2019
NC	Paleontology	<p>Impacts to the paleontological resources from leasing are contained in the analysis for the Monticello RMP.</p> <p>The lessee/operator would submit an APD when oil and gas exploration and development activities are proposed. The APD would be subject to site specific NEPA analysis.</p> <p>All lease parcels contain areas of high potential for paleontological resources. The Monticello RMP contains management decisions to protect paleontological resources. Lease notice UT-LN-72: High Potential Paleontological Resources will be attached to parcels as specified by the Monticello RMP</p> <p>Attachment of this lease notice will adequately mitigate impacts to paleontological resources.</p> <p>Potential impacts to paleontology from leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.</p>	Angela Bulla	11/13/2018
NC	Rangeland Health Standards	<p>The lessee/operator would submit an APD when oil and gas exploration and development activities are proposed, which may entail surface disturbing activities. The APD would be subject to site specific NEPA analysis. An approved APD is subject to standard operating procedures (SOP) required by regulation, stipulations attached to the lease, best</p>	N. Noyes	11/13/2018

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		<p>management practices (BMP) included in the APD submission, and conditions of approval (COA) developed during the NEPA analysis and documentation process. These SOPs, BMPs, and COAs mitigate impacts to other resources, such as to Rangeland Health Standards, from oil and gas exploration and development activities.</p> <p>Potential impacts to rangeland health standards from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.</p>		
NC	Recreation	Impacts to recreation from leasing are contained in the analysis for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents. No leases are adjacent to developed recreation sites or other recreation areas that would require additional stipulations or notices.	Jason Byrd	11/15/18
NC	Socio-Economics	Potential impacts to socio economics from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.	CGiffen	1/15/2019
NC	Soils	<p>The lessee/operator would submit an APD when oil and gas exploration and development activities are proposed. The APD would be subject to site specific NEPA analysis. An approved APD is subject to standard operating procedures (SOP) required by regulation, stipulations attached to the lease, best management practices (BMP) included in the APD submission, and conditions of approval (COA) developed during the NEPA analysis and documentation process. These SOPs, BMPs, and COAs, mitigate impacts to other resources and users from oil and gas exploration and development activities.</p> <p>The Monticello RMP contains management decisions and stipulations to protect fragile soils on steep slopes and reduce erosion. Stipulations UT-S-98 (NSO) and UT-S-106 (CSU) and will be attached to appropriate parcels.</p> <p>When an applicant submits an APD, the location would be reviewed by a BLM resource specialist for conformance with the slope stipulations. A well location, access road, or other surfacing disturbing activity located on slopes inconsistent with these stipulations would be in would require modification of the location or denial of the APD.</p> <p>These lease stipulations, SOPs BMPs and COAs, including erosion control and reclamation standards, would adequately mitigate impacts to the soil resource.</p> <p>Potential impacts to soils from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.</p>	CGiffen	1/15/2019
NC	Threatened, Endangered or Candidate Plant Species	Through formal consultation with the FWS during the development of the 2008 Monticello, lease stipulations and notices were developed to ensure listed species and habitats would receive needed protective measures to ensure impacts	Melissa Wardle	1/17/2019

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		<p>from development activities are minimized. Additional review and consultation with FWS would occur at the development stage (APD). No new information or additional impacts has since been identified, additional detailed analysis is not required.</p> <p>Potential impacts to Threatened, Endangered or Candidate Plant Species from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the 2008 Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.</p> <p>See Wildlife and Botany Resources Leasing Assessment for detailed species and habitat information and Appendix A for the applicable lease notices and stipulations developed in the 2008 Monticello RMP.</p>		
NC	Threatened, Endangered or Candidate Animal Species	<p>Through formal consultation with the FWS during the development of the 2008 Monticello RMP, lease stipulations and notices were developed to ensure listed species and habitats would receive needed protective measures to ensure impacts from development activities are minimized. Additional review and consultation with FWS would occur at the development stage (APD). No new information or additional impacts has since been identified, additional detailed analysis is not required.</p> <p>Potential impacts to Threatened, Endangered or Candidate Animal Species from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the 2008 Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.</p> <p>See Wildlife and Botany Resources Leasing Assessment for detailed species and habitat information and Appendix A for the applicable lease notices and stipulations developed in the 2008 Monticello RMP.</p>	Melissa Wardle	1/17/2019
NC	Wastes (hazardous or solid)	<p>Potential impacts to Wastes from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.</p>	N. Noyes	11/13/2018
NC	Groundwater Resources/Quality	<p>Potential impacts to groundwater resources from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the 2008 Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents. Additional site specific review will occur at the development stage.</p>	Melissa Wardle	1/17/2019
NC	Surface Water Resources/Quality	<p>Potential impacts to surface water resources from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the 2008 Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents. Additional site specific review will occur at the development stage.</p>	Melissa Wardle	1/17/2019
NC	Wetlands/Riparian Zones	<p>The lessee/ operator would submit an APD when oil and gas exploration and development activities are proposed. The APD would be subject to site specific NEPA analysis. An approved APD is subject to standard operation procedures (SOP) required by regulation, stipulations attached to the</p>	Jed Carling	10/29/2018

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		<p>lease, best management practices (BMP) included in the APD submission, and conditions of approval (COA) developed during the NEPA analysis and documentation process. These SOPS, BMPs and COAs are designed to mitigate impacts to wetlands/ riparian resources from oil and gas exploration and development activities.</p> <p>The Monticello RMP requires the following stipulation to be applied to appropriate parcels:</p> <ol style="list-style-type: none"> <li>1. Stipulation UT-S-128: NSO – Floodplains, Riparian Areas, Springs, and Public Water Reserves.</li> <li>2. Stipulation RMP RIP 5 – No surface disturbing activities are allowed in active floodplains, public water reserves, or within 100 meter of riparian areas unless it can be shown that: a) There is no practicable alternative or b) All long-term impacts can be fully mitigated or, c) The activity will benefit and enhance the riparian area.</li> </ol> <p>As shown above, the Monticello RMP adequately address wetlands / riparian zones and provide sufficient mitigation measures for their protection. Any site specific potential impacts to wetlands/riparian zones would be further addressed during the APD analysis and approval process.</p> <p>Potential impacts to Wetlands/Riparian Zones from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents.</p>		
NP	Wild and Scenic Rivers	There are no parcels within the suitable Wild and Scenic River corridors.	Silas Sparks	11/15/18
NP	Wilderness/WSA	There are no parcels within Wilderness or Wilderness Study Areas	Misti Haines	11/15/18
NC	Woodland / Forestry	Potential impacts to woodlands and forestry from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents. Additional site specific review will occur at the development stage.	Melissa Wardle	1/17/2019
NC	Vegetation Excluding USFWS Designated Species	<p>The lessee/operator would submit an APD when oil and gas exploration and development activities are proposed. The APD would be subject to site specific NEPA analysis. An approved APD is subject to standard operating procedures (SOP) required by regulation, stipulations attached to the lease, best management practices (BMP) included in the APD submission, and conditions of approval (COA) developed during the NEPA analysis and documentation process. These SOPs, BMPs, and COAs mitigate impacts to other resources, such as vegetation, from oil and gas exploration and development activities. Potential impacts to vegetation, if any, would be addressed during this APD analysis and approval process.</p> <p>Potential impacts to Vegetation Excluding USFWS Designated Species from oil and gas leasing are adequately analyzed and documented in the environmental analysis</p>	N. Noyes	11/13/2018



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		prepared for the Monticello RMP. Actions and impacts are not changed from those disclosed in these NEPA documents		
NC	Visual Resources	Potential impacts to visual resources from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP, the March 2018 EA. Actions and impacts are not changed from those disclosed in these NEPA documents	S. Sparks	11/15/18
NC	Lands with Wilderness Characteristics	<p>The Monticello RMP, 2008 decision WC-1 (page 85) identified which of these lands would be managed to “Protect, maintain and preserve wilderness characteristics.” These inventories identified the following lands adjacent to the Squaw and Papoose Canyons WSA as possessing wilderness characteristics:</p> <ul style="list-style-type: none"> <li>• Parcel 041 956 Acres - Squaw and Papoose Canyons</li> </ul> <p>The LWC adjacent to the Squaw and Papoose WSA were not included in the RMP to be managed for wilderness characteristics.</p> <p>On October 21, 2014, the Southern Utah Wilderness Alliance (SUWA) submitted information suggesting the presence of wilderness characteristics in the Tin Cup Mesa and Monument Canyon units. BLM conducted an analysis and lands within these units were found to possess wilderness character (WC) as determined by <i>Documentation of BLM Wilderness Characteristics Inventory Findings</i>. The parcels and acreage of LWC are:</p> <p style="text-align: center;"><b><u>Monument Canyon Unit</u></b></p> <ul style="list-style-type: none"> <li>• 030 1,482</li> <li>• 031 1,726</li> <li>• 032 893</li> <li>• <u>042 484</u></li> </ul> <p style="text-align: center;">Total Acreage 4,585</p> <p style="text-align: center;"><b><u>Tin Cup Mesa Unit</u></b></p> <ul style="list-style-type: none"> <li>• 033 406 acres</li> <li>• 036 960 acres</li> <li>• 037 1,606 acres</li> <li>• 038 1,302 acres</li> <li>• 039 853 acres</li> <li>• 043 613 acres</li> <li>• 045 1,652 acres</li> <li>• <u>046 1,881 acres</u></li> </ul> <p style="text-align: center;">Total Acreage 9,273</p> <p>Total Acreage of LWC within all parcels = 14,814</p> <p>Leasing of these parcels may result in the loss of WC in these areas. While these areas were found to possess wilderness characteristics as determined subsequent to the RMP, only those areas designated in RMP decision WC-1 will be managed to “Protect, maintain and preserve wilderness characteristics ...”</p>	Misti Haines	11/15/18

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		Leasing of these parcels is consistent with the management decisions in the Monticello RMP. Potential impacts to LWC from oil and gas leasing are adequately analyzed and documented in the environmental analysis prepared for the Monticello RMP and the March 2018 EA. Actions and impacts are not substantially changed from those disclosed in these NEPA documents.		

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**FINAL REVIEW:**

Reviewer Title	Signature	Date	Comments
Environmental Coordinator			
Authorized Officer		1/23/2019	Reviewed by Travis Kern Acting Field Manager