

APPENDIX A

Interdisciplinary Team Analysis Record Checklist & Resources Considered and Dismissed from Further Analysis

INTERDISCIPLINARY TEAM CHECKLIST

Project Title: Monument Butte EIS

NEPA Log Number: DOI-BLM-UT-G010-2009-0217-EIS

File/Serial Number: various oil and gas lease numbers

Project Lead: Mark Wimmer/Third Party: Kleinfelder

Determination of STAFF: (Choose one of the following abbreviated options for the left column)

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 significant impact analyzed in detail in the EA; or identified in a DNA as requiring further analysis

NC = (DNAs only) actions and impacts not changed from those disclosed in the existing NEPA documents cited in Section C of the DNA form.

Determination	Resource	Rationale for Determination*	Signature	Date
PI	Air Quality (including greenhouse gas emissions)	Potential impacts to air quality from wells, compressors, and dust from construction. Emissions inventory and modeling needed to determine compliance with NAAQS (including ozone) and impacts in relation to other applicable standards.	Stephanie Howard	6/12/2009
PI	Areas of Critical Environmental Concern	Potential impacts to relevance and importance criteria within Pariette Wetland ACEC.	Jason West	6/17/2009
NP	BLM natural areas	None Present as per GIS and RMP Review	Jason West	6/17/2009
PI	Cultural Resources	Potential impact to cultural resources from construction of wells, compressors, access roads and dust from construction. Class III surveys required on each site-specific proposed project.	Gabrielle Elliott	6/12/2009
NI	Environmental Justice	No minority or disadvantaged populations will be disproportionately adversely affected by the proposed action or alternatives.	Stephanie Howard	6/12/2009
NI	Farmlands (Prime or Unique)	Soil surveys have not been completed for Duchesne County, so no prime or unique farmlands have been designated. Prime and unique farmlands in Uintah County are irrigated lands and orchards. None of these types of lands occur on BLM land in the project area.	Stephanie Howard	6/12/2009
PI	Floodplains	There are numerous floodplains that will potentially be affected by the Proposed Action. Most of the channels are intermittent washes and perennially flowing tributaries of the Pariette Draw, and the associated floodplains will undergo changes if wells	James Hereford II	6/16/2009

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		are placed within these zones. This is based on GIS data layers of the proposed action, and from field visits on many occasions in this project area.		
NI	Fuels / Fire Management	No ongoing or planned fuel projects within the Proposed Action Project Area. No expected impact to fire suppression efforts since the Project Area is in an area of low fire occurrence.	Steven Strong	6/15/2009
PI	Geology / Mineral Resources / Energy Production	The ongoing development of oil and gas resources for the proposed action is in accordance with the VFO ROD (2008). Gilsonite, tar sands, oil shale, and areas of combined hydrocarbons could be affected by the project. Compliance with Onshore Oil and Gas Order No. 2 during drilling and completion operations will protect non-oil and gas mineral resources.	Stephanie Howard	11/5/2013
PI	Invasive Plants / Noxious Weeds	Surface disturbance increases weed recruitment from seeds already present in the soil seed reservoir, and from fresh seeds vectored in by wind, animals, vehicles, and heavy equipment. Company is required to prepare a weed control program and, if planning to use pesticides, submit a Pesticide Use Proposal.	Clayton Newberry	6/15/2009
PI	Lands / Access	ROWs would be required for power lines, pipelines, and roads located off of the unit/lease in the Project Area. ROWs would be required for power lines and pipelines within the unit/lease that are operated by 3 rd party holders in the Project Area. Main transportation pipelines would require a ROW within the unit/lease regardless of who owns it. Any commercial facilities located within the unit/lease would require a ROW within the Project Area. Site-specific plans for pipelines, power lines, and roads would be included as part of Newfield's individual APDs and/or ROW applications (3 rd party) and would be subject to approval from the appropriate SMA. Newfield would need to coordinate with the Duchesne and Uintah Counties for crossing, upgrading, and/or maintenance of county roads as shown on their county transportation maps. Duchesne and Uintah Counties would need to be contacted for the necessary county permits. ROW holders are present in the Project Area and would be notified by BLM per site-specific proposals.	Cindy McKee	6/26/2009
PI	Livestock Grazing	The amount of surface disturbance proposed and the cumulative surface disturbance from the past decade or more should be quantified for lost forage and the number of Animal Unit Months reduced for each allotment in the project area. Additionally from direct surface disturbance, indirect disturbance from non-compliance and invasive vegetation would reduce forage availability for livestock and wildlife.	Stan Olmstead	6/23/2009

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NP	Native American Religious Concerns	Based on data layers of cultural resources areas recorded, there are no known concerns.	Gabrielle Elliott	6/12/2009
PI	Paleontology	The middle to upper Uinta Formation outcrops at the surface in the area of the proposed action. The PFYC for the area is between 4 and 5. Paleontological surveys are required for all surface disturbing activities.	Robin L Hansen	6/19/2009
PI	Rangeland Health Standards and Guidelines	Rangeland Health surveys were conducted in 2007 and 2008 within the Project area and resulted in slight to moderate alteration from the expectation of healthy rangeland. However, with the large amount of surface disturbance proposed, it would be expect that rangeland health would be reduced by direct and indirect impacts, surface disturbance, non-compliance issues, fugitive dust, and invasive vegetation. Grazing operations may need to be reduced or eliminated from the Project Area as a result.	Stan Olmstead	6/23/2009
PI	Recreation	There would be potential impacts to recreation within Pariette Wetlands as well as the potential to impact designated motorized routes. Impacts would be site specific and would not be limited to affecting visitor experience from visual and audio intrusion particularly within Pariette Wetlands.	Jason West	6/17/2009
PI	Socioeconomics	Potential impacts to social and economic status of Duchesne and Uintah counties are expected due to size of project. Impacts include labor needs, tax revenues, etc.	Stephanie Howard	6/12/2009
PI	Soils	Potential impacts to soils from surface disturbing actions of well pads, roads, and pipelines.	Steven Strong	6/15/2009
PI	Special Status Animal Species other than USFWS candidate or listed species (e.g. migratory birds)	Crucial deer fawning / elk calving habitat along Pariette Wetlands, Raptors in general (i.e. Bald eagle roosts in Pariette Wetlands and also Burrowing owl nesting habitat), Greater Sage-grouse (brooding and wintering grounds including one historic lek site), Mountain plover nesting habitat, Bird Habitat Conservation Area (Pariette Wetlands #26), Water fowl and upland game (Pariette Wetlands), State sensitive bat species, Herpetiles, Migratory birds in general (PIF species), White-tailed prairie dog, In addition, impacts to Flannelmouth sucker, Bluehead sucker, Roundtail chub are anticipated (water depletion from the Green River, possible contamination, and sedimentation into the floodplains).	Brandon McDonald	6/15/2009

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NP	Special Status Plant Species other than USFWS candidate or listed species	None present according to GIS layer, repeated forays throughout this area, and staff familiarity with BLM sensitive species and their habitat preferences.	Clayton Newberry	6/15/2009
PI	Threatened, Endangered or Candidate Animal Species	Impacts to Bonytail, Colorado pikeminnow, Humpback chub, and razorback sucker are anticipated (water depletion from the Green River, possible contamination, and sedimentation into the floodplains).	Brandon McDonald	6/15/2009
PI	Threatened, Endangered or Candidate Plant Species	Threatened Uinta Basin hookless cactus and Pariette hookless cactus (<i>Sclerocactus welandicus</i> , <i>S. brevispinus</i>) and their putative hybrids grow in this area.	Clayton Newberry	6/15/2009
PI	Vegetation	Project Area consists of routine salt desert scrub species, such as are common in Uinta Basin and elsewhere in Intermountain area—mostly ARNO4, ATCA, ATCO, ATCO4, ATGA, CLLU2, ERNAT, GRSP, GUSA2, HECO26, LAOC, OECA10, OPPO, ORHY, PLIN7, PLJA, SAVE4, TESP2. Some individuals might be lost in project construction.	Clayton Newberry	6/15/2009
PI	Visual Resources	VRM Class II, III, and IV identified within the proposed Project Area.	Jason West	6/17/2009
NI	Wastes (hazardous or solid)	No chemicals subject to reporting under SARA Title III in amounts greater than 10,000 pounds would be used, produced, stored, transported, or disposed of annually in association with the project. Trash and other waste materials would be cleaned up and removed immediately after completion of operations.	Stephanie Howard	6/12/2009
PI	Waters of the U.S.	Waters of the U.S. (WOUS) shall be identified, mapped, and avoided to the maximum extent possible. Unavoidable impacts to WOUS will require a USACE permit. Road crossings on larger waterways should be designed for 100-year flow events (as opposed to the BLM Gold Book standard of 25-year flow events) due to the arid area and high intensity precipitation events that occur. Well pads and other associated infrastructure should avoid WOUS, associated floodplains, and may require onsite inspection by the USACE prior to construction (Sue Nall @ 970-243-1199 #16).	Sue Nall	6/18/2009
PI	Water Quality (surface, including hydrologic resources; e.g. stormwater)	The Proposed action has the potential to affect surface water quality, because of the number of channels in the area of concern. These channels could be subject to oil spills and other events that could affect surface water quality directly.	James Hereford II	6/16/09
PI	Water Quality (ground)	USDW's may be affected by the proposed action. Compliance with Onshore Orders and BLM Instruction Memorandum (IM) No. UT 2010-055 is required to minimize potential damage.	Robin Hansen	6/19/09

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PI	Wetlands / Riparian Zones	The Proposed action has the potential to negatively affect the Pariette ACEC wetlands area, and the riparian that has been mapped along the Pariette Draw perennial water flow zones in the upper part of the Draw. Additional wetland mapping may be required by the USACE for avoidance purposes.	James Hereford II Sue Nall	6/16/2009
PI	Wild and Scenic Rivers	Lower Green River Suitable section (2008 RMP)	Jason West	6/17/2009
NP	Wild Horses and Burros	Following a review of VFO GIS data and the VFO RMP, no herd management or herd areas are located in the Project Area. Therefore, this resource/issue will not be carried forward for analysis.	Mark Wimmer	06/24/2009
NP	Wilderness	Not Present as per Vernal GIS and RMP review	Jason West	6/17/2009
NP	Wilderness Study Areas	Not Present as per Vernal GIS and RMP review	Jason West	6/17/2009
PI	Woodland / Forestry	Clearing for well locations, roads, and pipelines could impact forest and woodlands resources. Woodland products should be removed in such a way that they can be used, and the BLM should be compensated for their value.	David Palmer	6/15/2009

FINAL REVIEW:

Follow the italicized instructions below and then delete the asterisks "" in the checklist, this sentence,*

Reviewer Title	Signature	Date	Comments
NEPA / Environmental Coordinator			
Authorized Officer			

and the instructions.

**Rationale for Determination is required for all "NIs" and "NPs." Write issue statements for "PIs"*