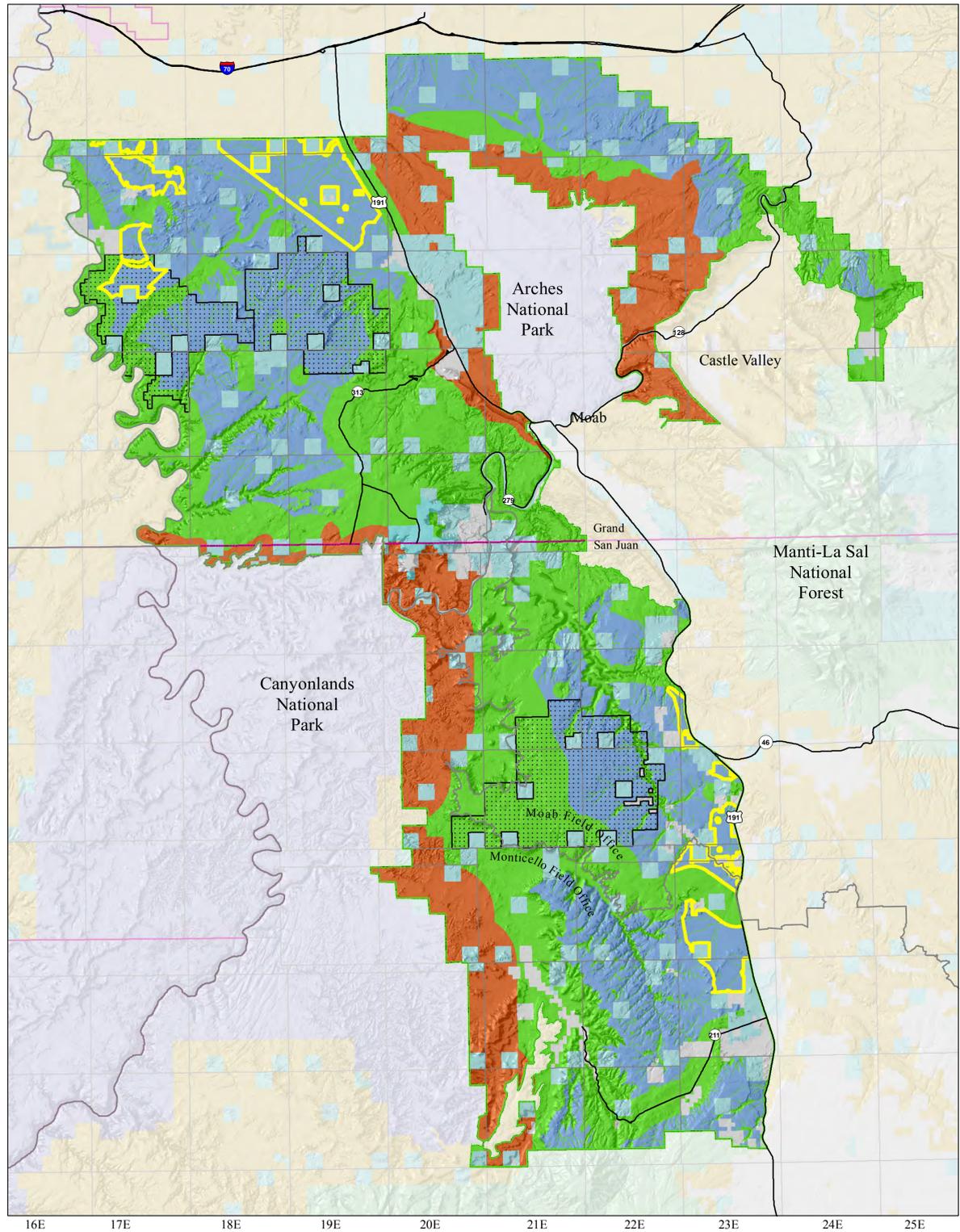


# Oil and Gas / Potash Leasing Stipulations - Alternative D



**County Boundaries**  
 State and Federal Highways  
 Field Office Boundary  
 Master Leasing Plan Area

**Open with CSU and TL Stipulations**  
**Open with a NSO Stipulation**  
**Closed**  
**Potash Leasing Area**  
**Potash Processing Facility Area**

**Land Status**  
 Bureau of Land Management  
 US Forest Service  
 National Park Service  
 State  
 State Parks and Recreation  
 Private

0 5 10  
 Kilometers  
 0 5 10  
 Miles

This product may not meet BLM standards for accuracy and content. Different data sources and input scales may cause some misalignment of data layers. No warranty is made by the Bureau of Land Management for the use of the data for purposes not intended by the BLM.

## Potash Leasing Areas

Potash leases would initially only be issued within identified Potash Leasing Areas (PLAs). No additional potash leases or prospecting permits, outside the PLAs, would be considered until the feasibility of potash development is established.

Identified PLAs include blocks of public land in areas where potash leases or potash permits have been issued. Within these areas, potash resources have been identified and the feasibility of potash production is being pursued.

No new oil and gas leases would be issued within PLAs until potash leases and permits are relinquished, cancelled, expire, or if potash production is not established within 10 years after the date of the Approved Moab MLP.

## Potash Processing Facility Areas

Potash processing facilities can require a substantial commitment of public lands (up to 1,000 acres). Therefore, these facilities would be located in areas that have minimal potential for resource conflicts. Potash Processing Facility Areas (PPFAs) would be designated based on the following criteria:

- Located outside a Special Recreation Management Area (SRMA) with the exception of the Dee Pass Motorized Focus area within the Labyrinth Rims/Gemini Bridges SRMA and the Canyon Rims SRMA outside of VRI II and VRM II areas along Highway 191.
- Located only in Visual Resource Management (VRM) III or IV areas.
- Located outside of desert bighorn lambing, rutting, and migration habitat.
- Located outside of deer or elk crucial habitat.
- Located in lands that have low levels of ecological intactness.
- Located in areas within reasonable proximity to PLAs.

A CSU stipulation would be applied to all potash leases that require processing facilities to be located within a PFFA. This stipulation would avoid widespread impacts to recreation, visual resources, crucial deer and elk habitat, and bighorn habitat, and ecologically intact lands that could result from the construction of large potash facilities. PPFAs are located outside of areas managed as NSO, closed, or with a Baseline CSU stipulation.

## Baseline CSU

The Baseline CSU stipulation would reduce conflicts in areas with heavy recreation use, reduce the impacts to wilderness values, reduce visual intrusions, and reduce loss of wildlife habitat and consists of the following:

1. Multiple wells per pad as appropriate.
2. Well pads spaced an average of 2 miles apart.
3. Production facilities would be co-located and designed to minimize surface impacts. Pipelines and utilities would be placed along existing roads.
4. Limit un-reclaimed surface disturbance to 15 acres per well pad, including associated facilities, roads, pipelines, and utilities.
5. Extensive interim reclamation of roadway disturbance and reclamation of well pads to well head/production facilities to minimize long-term surface disturbance.
6. Final reclamation fully restoring the original landform. Travel routes would be restored to their original character.
7. This stipulation would allow for geophysical operations.
8. Off-site mitigation could be required to minimize impacts to resources when onsite mitigation alone may not be sufficient to adequately mitigate impacts and achieve BLM resource objectives.

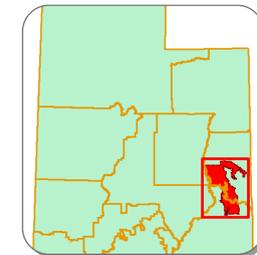
# Moab Master Leasing Plan - Alternative D

Definitions for Mineral Lease Stipulations				
Controlled Surface Use (CSU)	Timing Limitation (TL)	No Surface Occupancy (NSO)	Open (Standard Terms and Conditions)	Closed
Areas identified with a CSU stipulation are open to mineral leasing but identified resource values require special operation constraints.	Areas identified with a TL stipulation are open to mineral leasing but surface use during specified time periods is prohibited to protect identified resource values.	Areas identified with a NSO stipulation are open to mineral leasing but use or occupancy of the surface for exploration and mineral development is prohibited in order to protect identified resource values. The minerals under NSO lands may potentially be developed by directionally or horizontally drilling from nearby lands that do not have the NSO limitation.	Areas open to mineral leasing are subject to existing laws, regulations, and formal orders; and the terms and conditions of the standard lease form.	Areas identified as closed are not open to mineral leasing.
Oil and Gas 230,265 Acres Potash 57,308 Acres		Oil and Gas 305,899 Acres Potash 46,311 Acres	Oil and Gas 0 Acres Potash 0 Acres	145,284 Acres

Resources Resulting in Proposed Stipulations for the MLP Alternative D			
CSU/TL	NSO	Closed	Baseline CSU *
Air quality	Public rock art sites (0.5 mile radius)	Indian Creek ACEC and Shafer Basin portion of Hwy 279/Shafer Basin/Long ACEC	Lands with wilderness characteristics
Trucks on Needles and Anticline Overlook roads	Hwy 191 utility corridor	Suitable Wild and Scenic River segment near Canyonlands National Park	Special Recreation Management Areas not managed as NSO
High use filming locations	Three Rivers withdrawal	VRM Class I Areas	Courthouse and Salt Wash Watersheds
Paleontology (PFYC 4 and 5)	Moab airport, landfill, and Dead Horse Point State Park	Viewsheds of Arches and Canyonlands	Sagebrush/steppe habitat
Saline soils	Rim setbacks (Porcupine Rim, Matt Martin Point, and Goldbar Rim - 0.5 miles)		VRI Class II in VRM Class III areas
Slopes over 20%	Natural Areas		Crucial wildlife habitats
Courthouse Watershed	Developed recreation sites (0.5 mile radius)		
Spring areas	High use recreation routes (0.5 mile buffer)		
Old Spanish Trail (National Historic Trail)	High use climbing/canyoneering sites (0.5 mile radius)		
Sensitive plant species	SRMAs: Dolores River Canyons, Colorado Riverway, Indian Creek and western portion of Canyon Rims		
Desert bighorn sheep, deer, elk, pronghorn habitat	Focus Areas within Labyrinth Rims and South Moab SRMAs (with the exception of Dee Pass Motorized Focus Area)		
	Slopes over 30%		
	Drinking Water Source Protection Zones		
	Floodplains, intermittent and perennial streams, rivers, riparian areas, wetlands, water wells, lakes, spring clusters, public water reserves, and springs (500 foot buffer)		
	Ephemeral streams (100 foot buffer); impaired water bodies (750 foot buffer)		
	Courthouse Watershed		
	Behind the Rocks, Lavender Mesa, Shay Canyon, Ten Mile and a portion of the Hwy 279/Shafer Basin/Long Canyon ACECs		
	Suitable Wild and Scenic Rivers		
	State of Utah scenic driving corridors (1 mile buffer)		
	VRM Class II areas *		
	Rimlands of Colorado and Green Rivers (1 mile setback)		
	National Park soundscape setback (2.5 miles)		

\* Alternative D provides operational flexibility for mineral leasing and development through some specific exceptions.

Location Map  
Utah BLM Field Office Boundaries



Date: 9/16/2015