



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Price Field Office  
125 South 600 West  
Price, UT 84501

<http://www.blm.gov/ut/price>

**JUL 17 2008**

In Reply Refer To:  
3482 U-63214  
(UT-070)

Canyon Fuel Company, LLC  
c/o Ark Land Company  
HC35, Box 380  
Helper, Utah 84526  
Attn: Mark Bunnell

Re: Approval of Minor Coal Exploration Plan, Quichipah Federal Coal Lease U-63214,  
Sevier County, Utah

Dear Mr. Bunnell:

On October 12, 2007, BLM received a plan to conduct coal exploration on the Quichipah Federal Coal Lease, U-63214. It was submitted in conjunction with an application for Federal Minor Coal Exploration License in the Muddy Creek area immediately northeast of this lease (UTU-85867). Ark Land Company, a subsidiary of Arch Coal, Inc., proposed to drill one exploration hole on lease at the head of Quichipah Canyon, north of Arch Coal's SUFCo Mine, to further evaluate the coal reserves in this area. Primary access to the exploration site will be by Forest System roads.

National Environmental Policy Act (NEPA) analysis found no issues that could not be mitigated. The Fish Lake and Manti National Forests have concurred to approval of this plan.

The BLM approves the requested exploration plan for U-63214 subject to the terms and conditions of the lease and the special stipulations attached.

This decision may be appealed to the Interior Board of Lands Appeals (IBLA), Office of the Secretary, in accordance with the regulations contained in 43 CFR Part 4, and the enclosed Form 1842-1. If an appeal is taken, your notice of appeal must be filed in this office (at the above address) within 30 days from the receipt of this decision. The appellant has the burden of showing that the decision from that is in error.

RECEIVED

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DIV. OF LAND USE & MINING

If you have any questions regarding this matter, please contact Sue Wiler of our staff at 435-636-3651.

Sincerely,



Mike Stiewig  
Acting Field Manager

Enclosures

cc: UT-92313, J. Kohler, Utah State Office (w/Enclosures)

UT-92413, Bill Buge, Utah State Office (w/enclosures)

Rod Player (USFS) (w/Enclosures)  
Manti-LaSal National Forest  
599 Price River Drive  
Price, Utah 84501

Fred Houston (USFS) (w/Enclosures)  
Fish Lake National Forest  
115 E 900 N  
Richfield, UT 84701

Dana Dean (UDOGM) (w/Enclosures)  
Division of Oil, Gas and Mining  
1594 West North Temple Street  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

**Special Stipulations for Exploration Plan on Quitchupah Federal Coal Lease  
U-63214**

1. A pre-work meeting including the responsible company representative(s), contractors, the BLM, Utah Department of Oil Gas and Mining (DOG M), and the Manti-La Sal National Forest shall be conducted at the project location prior to commencement of operations. Site-specific FS requirements will be discussed at this time.
2. A Road Use Permit shall be obtained from the FS before equipment is transported onto National Forest System lands.
3. All surface disturbing activities including reclamation shall be supervised by a responsible representative of the permittee/licensee who is aware of the terms and conditions of the projects permits/licenses. A copy of the appropriate permits/licenses must be available for review at the project site at all times during operation.
4. The Authorized Officer shall be notified 48 hours in advance that heavy equipment will be moved onto National Forest System lands and that surface disturbing activities will commence.
5. Establishment of campsites on National Forest System lands in support of this project will be authorized by the FS under a Special Use Permit.
6. The Authorized Officer shall be notified of any proposed alterations to the plan of operations, and the alterations shall be approved prior to commencement.
7. Fire suppression equipment shall be available to all personnel working at the project site. Equipment shall include at least one hand tool per crew member consisting of shovels and pulaskis and one properly rated fire extinguisher per vehicle and/or internal combustion engine.
8. All gasoline, diesel, and steam-powered equipment shall be equipped with effective spark arrestors or mufflers. Spark arresters shall meet FS specifications discussed in the "General Purpose and Locomotive Spark Arrester Guide, Volume 1, April, 1988"; and "Multi-position Small Engine Spark Arrester Guide, April, 1989". In addition, all electrical equipment must be properly insulated to prevent sparks.
9. The permittee/licensee will be held responsible for damage and suppression costs for fires started as a result of operations. Fires must be reported to the FS as soon as possible.
10. Operations may be suspended during periods of high fire danger.

11. Water needed in support of operations shall be properly and legally obtained according to Utah State water laws. The water pipe placed in Muddy Creek will have a screen placed around the intake to prevent fish from being drawn into it.
12. Unauthorized off-road motorized travel, other than along the approved access routes, is prohibited. Travel shall be in accordance with the Manti LaSal National Forest travel plan and terms and conditions of the Road Use Permit.
13. Section corners or other survey markers, including claim corners, in the project area must be located and flagged for preservation prior to commencement of surface disturbing activities. The removal, displacement, or disturbance of markers must be approved by the proper authority. Replacement will be done by the proper authority at the expense of the permittee/licensee.
14. If cultural or paleontological resources are discovered during operations, all operations which may result in resource disturbance must cease and the Authorized Officer notified of the discovery.
15. Gates shall be closed after entry/exit unless otherwise specified.
16. The permittee/licensee will be held responsible for all damage to fences, cattleguards, resource improvements, roads, and other structures on National Forest System lands which result from their operations. The Authorized Officer must be notified of damages as soon as possible.
17. Operations shall be coordinated with grazing permittees to prevent conflicts.
18. Harrassment of wildlife and livestock is prohibited.
19. Topsoil (soil "A" horizon) shall be stripped from excavated areas and stockpiled for use during reclamation. Topsoil stockpiles will be located to minimize contamination or loss. Subsoil and rock material will be stockpiled seperately.
20. All drilling fluids, mud, and cuttings shall be contained and properly disposed of prior to reclamation.
21. During drilling operations all trash, garbage, and other refuse shall be properly contained on the project site prior to disposal at authorized sites.
22. All significant water encountered during drilling shall be reported to the Authorized Officer, including the depth and formation at which it was encountered, and an estimate of the flow.
23. If any of the drill holes encounter artesian groundwater flow, the Authorized Officer shall be notified prior to plugging the hole. The operator may be required to establish a permanent water development at the site.

24. All drill holes shall be plugged in accordance with Federal and State regulations.
25. The permittee/licensee shall clean up and remove all drilling equipment, trash, garbage, flagging, vehicles, and other such materials from National Forest System lands.
26. Disturbed areas shall be reclaimed by the end of the field season.
27. Drill rigs and heavy equipment (not including water trucks) shall not be transported in or out of the project area during the opening weekend of the general elk hunt nor during the opening weekend of the general deer hunt and during holiday weekends.
28. Contaminated soil and gravel shall be stripped and hauled off National Forest System lands prior to site reclamation.
29. Drill sites shall be reclaimed by selectively backfilling excavated materials, topsoil last, such that the disturbed area is replaced to its approximate original contour. The disturbed area must be seeded with the specified seed mix.
30. Upon completion of the project, compacted soils (access routes, staging areas, camping areas) shall be scarified and seeded with the specified seed mix.
31. All disturbed drainages shall be replaced to their approximate original configuration when the project area is reclaimed.
32. The reclaimed roads shall be signed and blocked off to discourage vehicle access by the public.
33. Reclamation efforts shall be diligently pursued to insure that a minimum ground cover is established on all disturbed areas which is equal to or greater than the surrounding undisturbed areas. Revegetation will be considered successful when 90 percent of the predisturbance ground cover is re-established over the entire disturbed area, with no noxious weeds. Adjacent undisturbed areas will be used as a basis for comparison of ground cover. Of the vegetative ground cover, at least 90 percent must consist of seeded or other desirable species. The 90 percent of pre-disturbance ground cover must be maintained for three years.
34. The seed mix to be used for reclamation will be as follows:

<u>Pounds of Live Seed Per Acre</u>		<u>Pounds</u>
Western Wheatgrass	<i>Elymus smithii</i>	2
Basin Wild Rye	<i>Elymus cinereus</i>	1
Intermediate Wheatgrass	<i>Elymus hispidus</i>	2
"Rambler" Alfalfa	<i>Medicago sativa</i>	1
Blue Leaf Aster	<i>Aster glaucodes</i>	0.25

Lewis Flax	<i>Linum lewisii</i>	0.50
Small Burnet	<i>Sanguisorba minor</i>	1
Silvery Lupine	<i>Lupinus argenteus</i>	1
True Mahogany	<i>Cercocarpus montanus</i>	1
Bitterbrush	<i>Purshia tridentata</i>	1
Sagebrush	<i>Artamisia tridentata vaseyana</i>	1

This seed mix shall be 99 percent pure live seed containing a maximum of one percent weeds, none of which are noxious.

35. The permittee/licensee shall take all reasonable and appropriate measures to prevent the introduction and proliferation of exotic plants and/or noxious weeds for all operations on the land surface. Heavy equipment, drilling equipment, and all transport vehicles shall be cleaned prior to entering the FS. The permittee/licensee will be held responsible for control and eradication of exotic species and noxious weed infestations found to be a result of this project, until the Authorized Officer is notified by the surface management agency that vegetative restoration is acceptable.
36. The permittee/licensee shall pay the marketable value for any timber cut during the project.
37. Outside berms will not be constructed on any roads.
38. Stipulation for Lands of the National Forest System Under Jurisdiction of the Department of Agriculture:

The licensee/permittee/lessee must comply with all the rules and regulations of the Secretary of Agriculture set forth at Title 36, Chapter II, of the Code of Federal Regulations governing the use and management of the National Forest System (NFS) when not inconsistent with the rights granted by the Secretary of the Interior in the license. The Secretary of Agriculture rules and regulations must be complied with for (1) all use and occupancy of the NFS prior to approval of a permit/operation plan by the Secretary of the Interior, (2) uses of all existing improvements, such as Forest Development Roads, within and outside the area licensed, permitted or leased by the Secretary of the Interior, and (3) use and occupancy of the NFS not authorized by a permit/operating plan approved by the Secretary of the Interior.

All matters related to this stipulation are to be addressed to:

Forest Supervisor  
Manti-La Sal National Forest  
599 West Price River Drive  
Price, Utah 84501  
Telephone No. (435) 637-2817

Forest Supervisor  
Fish Lake National Forest  
115 East 900 North  
Richfield, Utah 84701  
Telephone No. (435) 896-9223

who is the authorized representative of the Secretary of Agriculture.

39. Upon completion of operations, the temporary access routes shall be ripped and seeded. Barriers consisting of roughened surface, rocks, logs, and earthen berms shall be placed to preclude future unauthorized traffic.
40. Project operations will be restricted to the period between June 15 and November 1 to avoid effects on wildlife.
41. Roads must not be used when they are wet and susceptible to damage.
42. The permittee is responsible for repair of any damages to roads caused by his operations.
43. All traffic must maintain safe speeds commensurate with existing conditions.
44. Roads must be watered if dust becomes a problem or if excessive loss of road material occurs.