

C/007/013 Incoming ✓
5722



Lila Canyon Project
P. O. Box 910
East Carbon, Utah 84520
Phone: (435) 888-4000
(435) 650-3157
Fax: (435) 888-4002

Utah Division of Oil, Gas & Mining
Utah Coal Program
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

August 14, 2018

Attn: Daron Haddock
Permit Supervisor

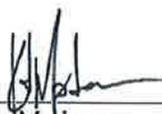
Re: Lila Canyon Mine C/007/013 Shield Abandonment

Dear Mr. Haddock,

Attached you will find 2 clean copies for the shield abandonment plan to be stamped and incorporated into the Lila MRP.

If you have any questions, or need any additional information regarding this submittal, please contact me directly at 435-888-4000.

Sincerely,



Karin Madsen
Engineering Tech
UtahAmerican Energy, Inc.

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List of Appendixes

Appendix 5-1	Inspection Form for Excess Spoil
Appendix 5-2	Inspection Form for Impoundments
Appendix 5-3	Coal Mine Waste Fire Extinguishing Plan
Appendix 5-4	New Facility Designs
Appendix 5-5	Slope Stability Analysis
Appendix 5-6	Mine Openings (Closures)
Appendix 5-7	Rock Slope Material (Refuse Pile)
Appendix 5-8	Reclamation Plan

List of Plates

Plate 5-1	Previously Mined Areas
Plate 5-1A	Premining Contours
Plate 5-2	Surface Area Lila Canyon Mine (Official Disturbed Area Boundary Map)
5-2A	IBC Area - Graben Breakout
5-2B	Fan Pad As-Built
Plate 5-3	Subsidence Control Map
Plate 5-3	CONFIDENTIAL Subsidence Control Map with Raptor Information
Plate 5-4	Coal Ownership
Plate 5-5	Mine Map
Plate 5-5A	Shield Abandonment Map
Plate 5-6	Post Mining Topography
Plate 5-7A-1	Mine Site Cross Sections
Plate 5-7A-2	Mine Site Cross Sections
Plate 5-7A-3	Mine Site Cross Sections
Plate 5-7A-4	Mine Site Cross Sections
Plate 5-7B-1	Mine Site Cross Sections
Plate 5-7B-2	Mine Site Cross Sections
Plate 5-7B-3	Mine Site Cross Sections
Plate 5-7C	Reclaimed Profile
Plate 5-7D-1	New Storage Pad and Roads - Plans and Profiles
Plate 5-7D-2	New Storage Pad and Roads - Road Sections
Plate 5-7D-3	New Storage Pad and Roads - Road Sections
Plate 5-8	Coal Handling Facilities
Plate 5-9	Portal Plan and Sections

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and reclamation operations, in accordance with a plan approved by the Division and MSHA. The plan will contain, at a minimum, provisions to ensure that only those persons authorized by the operator, and who have an understanding of the procedures to be used, will be involved in the extinguishing operations. The coal mine waste fire plan can be found in Appendix 5-3. MSHA approval is not required unless you have an actively burning fire. (Phone conversation with Billy Owens MSHA Denver 5/31/05)

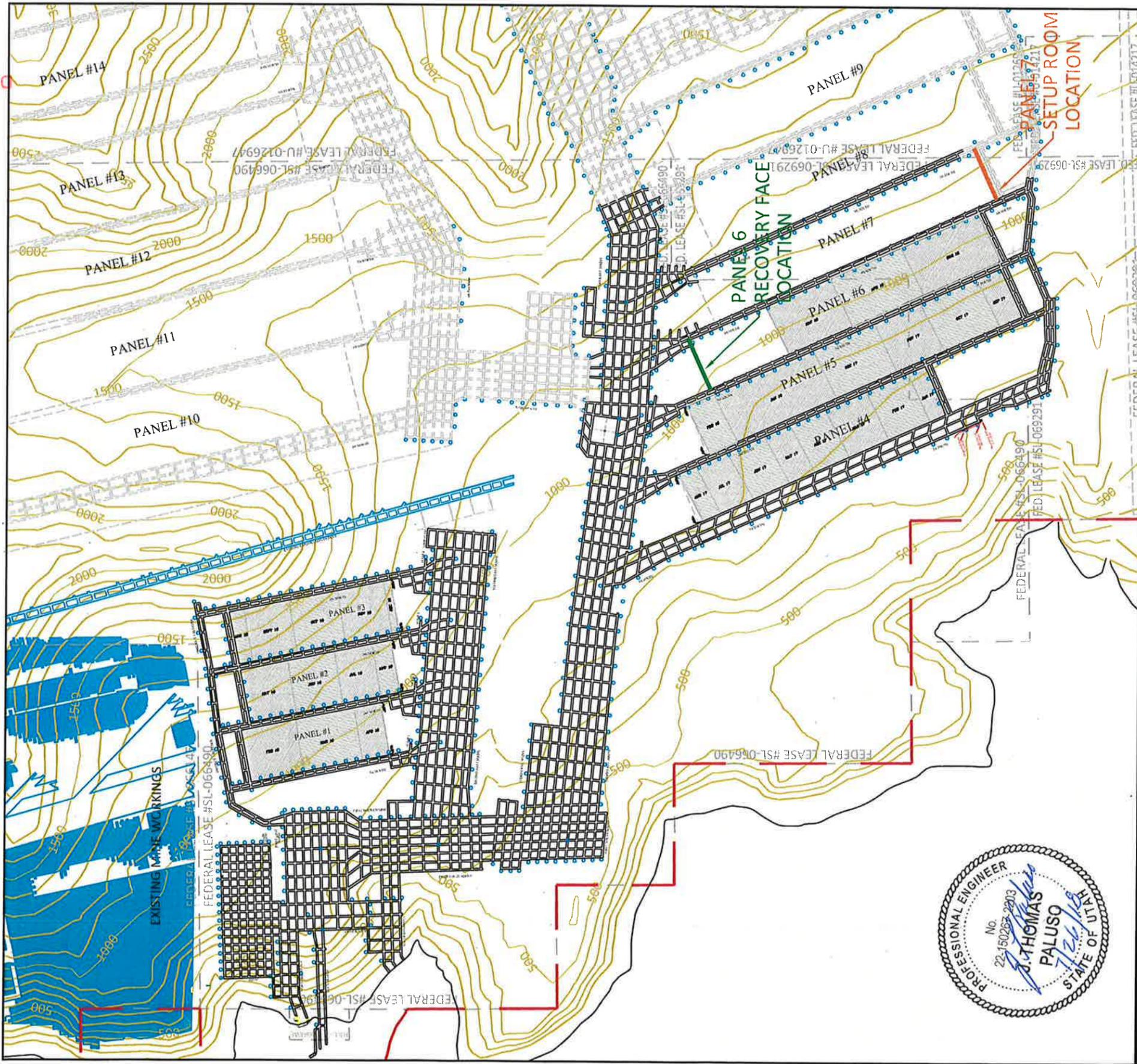
528.323.2. No burning or burned coal mine waste will be removed from the permitted disposal area.

528.330 Noncoal Mine Waste.

528.331 Noncoal mine wastes including, but not limited to, grease, lubricants, paints, flammable liquids, garbage, abandoned mining machinery, lumber and other combustible materials generated during mining activities will be placed and stored in a controlled manner in a designated portion of the permit area. The noncoal mine waste will be placed in dumpsters and emptied on an as needed basis. The designated noncoal waste area (concrete trash chute) is shown on Plate 5-2. Circumstances may arise where equipment must be abandoned underground. If this circumstance arises, the operator must get approval from the BLM and the Division prior to abandoning equipment in place.

UtahAmerican Energy, Inc. is abandoning the current set of 106 DBT longwall shields upon completion of Panel #6. From Panel #7 going forward in the mine plan, a new set of longwall equipment will be installed and utilized for coal extraction. Every component from our current longwall installation including the shearer, pan line, conveyor chain, stage loader, crusher, current belt installation, and associated belting in Panel #6 will be recovered except for the 106 longwall shields. In order to avoid any adverse environmental impacts from the shields, the mine will run water through the shields as opposed to emulsion in the last few passes of production to remove any oils before the recovery process proceeds. These shields would be abandoned in the mine under 1000 feet of cover, with no foreseen environmental impacts to ground water due to the depth of cover and grade of the coal seam. Although a longwall move is routine, completed safely, and occurs several times a year at Lila Canyon, there is inherent exposure that is associated with a longwall move. By not extracting these shields and leaving them in the mine, this removes any opportunity for an accident as a result of the longwall move. Upon completion of mining in District #2 the shields will be behind seals for the remainder of the mine life. See plate 5-5a.

528.332 It is anticipated that final disposal of noncoal mine wastes will be at the ECDC facility near East Carbon City. Concrete will be disposed of in a specified area, refer to Plate 5-6 for this location. The disposal site will be located under the reclaimed coal stockpile. This area will receive the maximum fill during reclamation. Placement of this fill around the concrete will help to eliminate runoff. This will ensure that leachate and drainage does not degrade surface or underground water. The noncoal mine waste will be placed in dumpsters and emptied on an as-needed basis.



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**PANEL 6 RECOVERY
FACE LOCATION**

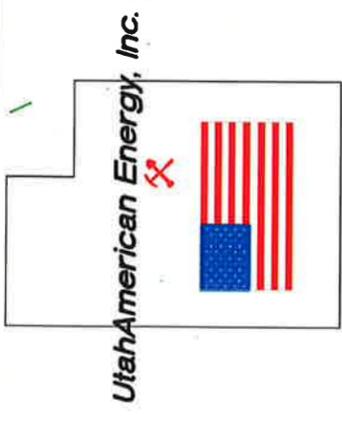

LILA CANYON MINE
 EMERY COUNTY, UTAH

MSHA MINE ID # 42-02241

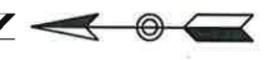
DRAWN BY: AR SCALE: 1" = 1500'

APPROVED BY: ME DATE: 23 MAY 2018

SHEET: Plate 5-5A



794 SOUTH "C" CANYON ROAD, EAST CARBON, UTAH 84520
 P.O. BOX 910, EAST CARBON, UTAH 84520
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NOTE:
FACE POSITIONS CURRENT AS OF
SUBMISSION

NOTE:
FAULTS NOT SHOWN FOR CLARITY.

