

July 21, 2016

Jennifer Maiolo
Bureau of Land Management
Little Snake Field Office
455 Emmerson St
Craig, CO 81625



COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources
1313 Sherman Street, Room 215
Denver, CO 80203

RE: Juniper Quarry, Permit No. M-1982-141, Technical Revision (TR-4)

Dear Mrs. Maiolo:

On July 18, 2016 the Division of Reclamation, Mining and Safety (Division) received a Technical Revision request (TR-4) submitted by Moffat Limestone for the Juniper Quarry located on public lands.

The Division has set a decision due date of August 22, 2016. Please review the enclosed documents. Please notify the Division by August 15, 2016 if the BLM has any comments or concerns regarding this request.

If you require additional information, or have questions or concerns, please feel free to contact me. Amy Yeldell at the Division of Reclamation, Mining and Safety, 1313 Sherman St., Room 215, Denver, CO 80203. Direct contact can be made by phone at 970-254-8511 or via email at amy.yeldell@state.co.us

Sincerely,

Amy Yeldell

Environmental Protection Specialist
Department of Natural Resources
Division of Reclamation, Mining and Safety
Phone: (970) 254-8511
Fax: (970) 241-1516

Ec:

Russ Means, Senior EPS, Grand Junction DRMS
Mike Anson, Moffat Limestone





Moffat Limestone
20310 County Rd 57 Maybell, CO
PO Box 363
Craig, CO 81626
(970) 272-3000

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JUL 18 2016

7/12/2016

**DIVISION OF RECLAMATION
MINING & SAFETY**

TR04

Colorado Division of Reclamation, Mining & Safety
1313 Sherman St. Room 215
Denver, CO 80203

✓ **PAST DUE ANNUAL MAP
& REPORT(8/9/15)!**
✓ **1 Violation: MV-1992-012**

RE: Juniper Quarry, Permit No M1982-141 Revision

I am submitting a revision to the mining and reclamation plan for the juniper Quarry that was recently purchased in June of 2014.

I have included a written plan for each pit, North and South along with a new Arial map of each with descriptions.

If you have any further questions, feel free to contact us at the office.

Thank you for your consideration and patience with our learning curve.

Mike Anson
President

Mardi Anson
Secretary



Moffat Limestone
PO Box 363
Craig, CO 81626
(970) 272-3000

Exhibit D – Mining Plan North Pit

Currently, the active mining, crushing, and stock piles area of 22.43 acres is noted on the map in orange color. We have not disturbed any acreage that was not already in use since taking over the pit.

The plan is to continue mining to the North East corner of the permitted area. Approx. 9.6 acres depicted as grey area on map. As we continue to move in a North East direction, any overburden and fines will be used for fill until we achieve elevations and grading for reclamation.

Our plan is to keep the mined area around 20 to 25 acres. We will continue to maintain property boundaries and continue weed control.

Exhibit E – Reclamation plan North Pit

With mining ongoing from West to East/ North east, we will be moving our processing equipment to the east to stay in close proximity to the gravel high wall. As our stock piles are depleted, and added to, they will also move in an easterly direction. As this happens, the ground not being used on the west side of the permitted area will be reclaimed allowing us to operate in 20 to 25 acres or less disturbed acres with an ongoing mining and reclamation activity.

There is little brush or topsoil on these gravel deposits. In some pockets it is deeper than other areas. The amount that is there will be collected, put in a topsoil pile and re-spread over the disturbed area after mining is complete.

After the brush topsoil mixture has been spread over the disturbed area, we will seed that area with a mixture of grass seed as per NRC recommendations (See attached)

All high walls and slopes will be reduced to a 3 to 1 slope during reclamation by adding fines and over burden to the area that is not day lighted through the mountain.

The sediment pond will be maintained throughout the entirety of the permit area.

Reclamation Plan South Pit

Species	Variety	Required PLS/Acre	Percent of species in mix	PLS Rate/ Species LB/AC	Acres to be Seeded	Total PLS/Species
Western Wheatgrass	Arriba, Barton	8.0	35	2.80	80	224.4
Thickspike Weatgrass	Critana	5.5	10	.55	80	44.0
Sandberg Wheatgrass	0	3.0	10	.30	80	24.0
Indian Ricegrass	Nezpar	6.0	30	1.80	80	144.0
Prairie Junegrass	0	7.5	15	1.13	80	90.0

Moffat Limestone Company

Main Pit as of 6-25-2016

Legend

- Acres
- Active Mining area
- Active Reclaiming Area
- Area
- Future Mining Area 5 to 10 years
- Future Mining Next 3 to 5 yrs
- Permit Bdry

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Mr. 1982-141

JUL 18 2018

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VS Small
Map

Active Reclaim Area 1.68 Acres

Future Mining Area 9.66 Acres

Active Mining, Crushing & Stockpile Area 22.43 Acres

Reclaimed Area 2.59 Acres

Moffat Limestone Main Pit 58.75 Acres

Future Mining Area 5 to 10 years 14.98 Acres

Google earth

1000 ft



Exhibit D: Mining plan South Pit.

Currently the South pit has a Crushing, Screening & Stockpile area of acres, as noted on Map.

Active mining area plan is to proceed to the South into the High Wall with planned benching with 3-1 slopes.

Once active mining has reached its southern most boundaries, it will be left at a 3-1 slope for reclaim.

The same technique will be used to proceed to the East onto future mining area of 1.55 acres. All stockpile will be left on active mining area.

Retention pond at the bottom of the South Pit entrance hill will be maintained for run off.

Exhibit E: Reclamation Plan South Pit

When we took over the pit, there was a reclaim area of approx. 2.59 acres on the South border. Since taking over, we have started reclaim of 1.6 acres on along the East side of the active mining area. This reclaim will be going from East to West, then from previous reclaim, it will encompass or join each other to the North and continue following the active mining area.

With active mining ongoing from West to East/ North East, we will be moving our processing equipment to the East to stay in close proximity to the gravel high wall. As this happens, the ground not being used on the west side of the permitted area will be reclaimed allowing us to operate in 20 to 25 acres or less disturbed acres with an on-going mining and reclamation activity.

There is a little brush or topsoil on these gravel deposits. In some pockets, it is deeper than other areas. The amount that is there will be collected, put in a topsoil pile and re-spread over the disturbed area after mining is complete.

After the brush topsoil mixture has been spread over the disturbed area, we will seed that area with a mixture of grass seed as per NRC recommendations. (See Attached)

All high walls and slopes will be reduced to a 3-1 slope during reclamation by adding fines and over burden to the area that is not delighted through the mountain.


The sediment pond will be maintained throughout the entirety of the permit area.


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Western Wheatgrass	Arriba, Barton	8.0	35	2.80	80	224.4
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Sandberg Wheatgrass	0	3.0	10	.30	80	24.0
Indian Ricegrass	Nezpar	6.0	30	1.80	80	144.0
Prairie Junegrass	0	7.5	15	1.13	80	90.0


Moffat Limestone Company


South Pit as of 6-25-2016


Legend


 Acres


 Active Mining area

 Active Reclaiming Area

 Area

 Future Mining Area 5 to 10 years

 Future Mining Next 3 to 5 yrs

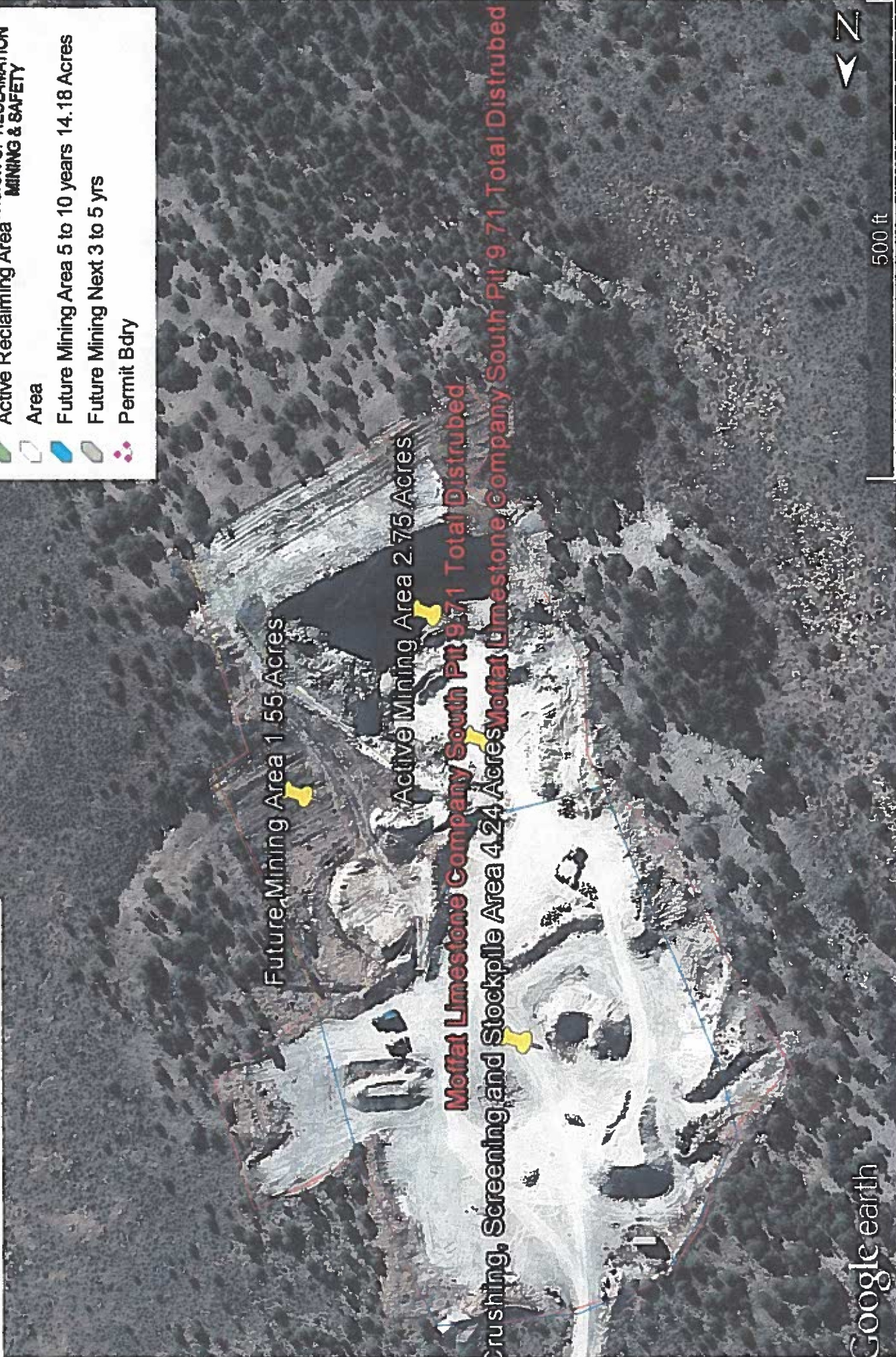
 Permit Bdry

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MINING & SAFETY



Google earth

Division of Reclamation, Mining, and Safety

Fee Receipt for M1982141

Moffat Limestone Company
Michael and Mardi Anson
P.O. Box 363

Craig

CO 816260000

Receipt #: 21828

Date: 07/18/2016

Permit: M1982141

Payment Method	Revenue Code	Fee Description/Notes	Amount
Check #1115	4300-MAF0	Minerals Annual Fees TR04	\$216.00
Receipt Total:			\$216.00

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MINING AND SAFETY

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1 From [Redacted]
Date 7/15/16

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Company ANSON EXCAVATING & PIPE

Address 789 STOCK DR

City CRAIG State CO ZIP 81625-1817

2 Your Internal Billing Reference

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Reclamation & Mining & Safety
Company

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☐ FedEx 2Day
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Shipper's Declaration not required.

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☐ Cargo Aircraft

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