



COLORADO

**Division of Reclamation,
Mining and Safety**

Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

September 26, 2016

Memorandum

To: Mined Land Reclamation Board

From: Amy Yeldell, EPS

RE: Consent Agenda- Flying Triangle Ranch, LLC; DRMS File No. M-2008-018: Flying
Triangle Ranch Pit

Dear Board Members,

Staff would like your consideration and approval of the Operator's Request for initial five-year period of Temporary Cessation Status.

Please see the attached documents for your reference on the matter:

Inspection Report	05/11/2016
Temporary Cessation Request	07/08/2016
Notice of Incompleteness	08/18/2016
Notice of Completeness	08/26/2016
Board Notice for Temporary Cessation	08/29/2016
County Notice for Temporary Cessation	08/29/2016

Sincerely,


Amy Yeldell





COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY
MINERALS PROGRAM INSPECTION REPORT
PHONE: (303) 866-3567

The Division of Reclamation, Mining and Safety has conducted an inspection of the mining operation noted below. This report documents observations concerning compliance with the terms of the permit and applicable rules and regulations of the Mined Land Reclamation Board.

MINE NAME: Flying Triangle Ranch Pit	MINE/PROSPECTING ID#: M-2008-018	MINERAL: Sand and gravel	COUNTY: Moffat
INSPECTION TYPE: Monitoring	INSPECTOR(S): Amy C. Yeldell	INSP. DATE: May 11, 2016	INSP. TIME: 08:30
OPERATOR: Flying Triangle Ranch, LLC	OPERATOR REPRESENTATIVE: None	TYPE OF OPERATION: 112c - Construction Regular Operation	
REASON FOR INSPECTION: Normal I&E Program	BOND CALCULATION TYPE: Complete Bond	BOND AMOUNT: \$12,681.00	
DATE OF COMPLAINT: NA	POST INSP. CONTACTS: None	JOINT INSP. AGENCY: None	
WEATHER: Clear	INSPECTOR'S SIGNATURE: 	SIGNATURE DATE: May 31, 2016	

The following inspection topics were identified as having Problems or Possible Violations. OPERATORS SHOULD READ THE FOLLOWING PAGES CAREFULLY IN ORDER TO ASSURE COMPLIANCE WITH THE TERMS OF THE PERMIT AND APPLICABLE RULES AND REGULATIONS. If a Possible Violation is indicated, you will be notified under separate cover as to when the Mined Land Reclamation Board will consider possible enforcement action.

INSPECTION TOPIC: Availability Of Records

PROBLEM/POSSIBLE VIOLATION: Problem: Rule 1.13.5 states, if an Operator temporarily ceases production of the mining operation for one hundred eighty (180) days or more, the Operator must file a Notice of Temporary Cessation in writing to the Office. OR begin final reclamation.

CORRECTIVE ACTIONS: The Division recommends the Operator file for Temporary Cessation. The start date of the initial 5 year Temporary Cessation period is retroactive to the date of the succession of operator approval or begin reclamation.

CORRECTIVE ACTION DUE DATE: 8/31/16

INSPECTION TOPIC: Excess Spoil & Dev. Waste

PROBLEM/POSSIBLE VIOLATION: Problem: Trash and refuse was noticed on the site. This is a problem at this time for failure to dispose of refuse in a manner that controls unsightliness or deleterious effects of such refuse pursuant to C.R.S. 34-32.5-116(4)(e).

CORRECTIVE ACTIONS: The operator shall submit a written notice to the Division with photo documentation, that the trash has been removed from the site by the corrective action date.

CORRECTIVE ACTION DUE DATE: 7/29/16

INSPECTION TOPIC: Signs & Markers

PROBLEM/POSSIBLE VIOLATION: Problem: The mine identification sign and affected area boundary markers were not observed per the requirements of Rule 3.1.12.

CORRECTIVE ACTIONS: The operator must post a sign at the entrance to the mine site which shall be clearly visible from the access road and specify the following; the name of the operator, indicate that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board, and the permit number. The boundaries of the affected area must be marked by monuments or other markers that are clearly visible and adequate to delineate such boundaries.

CORRECTIVE ACTION DUE DATE: 7/29/16

OBSERVATIONS

This inspection was conducted as part of the Colorado Division of Reclamation, Mining and Safety normal monitoring program. The Flying Triangle Ranch Pit is a 112c permitted site that includes a total of 61 permitted acres of which approximately 20 acres appear disturbed. The site is located approximately 41 miles northwest of Craig, Colorado. It is located just south of the state line and the nearest town is Baggs, WY. The site is accessed from Moffat County Road 4. No representative was present during the inspection however Cliff Henderson of Flying Triangle Ranch, LLC was contacted prior to the inspection. Amy Yeldell of the Division conducted the inspection.

The site was accessed through the Flying Triangle Ranch. It is noted that the permit maps indicate the entrance is on the south side of the pit and goes through State Land Board property. No sign was posted at either of the entrances. This is cited as a problem. The permit boundary is delineated by a fence on the south side and appears to align with farm roads. Little to no actual markers were observed. This is cited as a problem. The operator shall post a mine sign and delineate the permit boundary per rule 3.1.12. Please provide the Division with photo documentation by the corrective action date.

The 2016 annual report stated N/A for weed treatments. The operator is reminded that all state listed noxious weeds shall be treated within the permit boundary. No large infestations were observed however a few annuals were starting to emerge.

Lots of miscellaneous metal and other debris not related to mining was observed. Farming/ranching trash and debris may not be stored or disposed of within the mining permit boundary. This is cited as a problem, please remove all debris not related to mining from the permit boundary. Also all miscellaneous metal dumps shall be removed regardless of their use or placed in a secondary containment.

The site is comprised of three main areas. The western excavated pit, the middle stockpile area and the eastern undisturbed area.

The western pit area has excavated highwalls are approximately 8'-15' high. The pit floor has been excavated to an average of 10' below grade. One large stockpile is approximately 20' high and several other smaller

stockpiles approximately are 15' high or less were observed. Slopes range from near vertical to 2:1. Overall there is no excessive erosion of threat for off-site damage. The southwestern portion of the pit has a berm to separate between the pit floor and the hillside.

The middle stockpile area has four main stockpiles that are approximately 15'-20' tall and vary volume. There is some vegetation on these piles. The floor is stable with a combination of weeds and native vegetation. All slopes are stable and appear to be 2:1 to less. A small trench is excavated to the east of the stockpiles and is approximately 8' deep.

The eastern portion is largely undisturbed. A two track runs along the fence and connects with the ranch road along the norther permit boundary. There is also a more distinct road cut along the contour that divided the eastern and western portions of the pit. A dump site is situated along the northern edge of the middle road and permit boundary. There is a test pit in the undisturbed eastern portion that is approximately 10'x10'.

The site is currently not active. No equipment or fuel is stored on site. Based on conversations with the operator, the site has been inactive since 2008. In 2014 the site was transferred back to the landowners and has remained inactive ever since. The abundance of vegetation on stockpiles supports these statements. This is cited as a problem. The operator shall place the permit into Temporary Cessation (TC) per rule 1.13 or begin final reclamation. Attached to this report is 'Temporary Cessation Notice' form.

The permit stipulates concurrent reclamation will be practiced with the 3 acre processing area being that last to be reclaimed. It does not appear that any reclamation has occurred to date. Currently approximately 20 acres are affected by mining. The current bond is based off of this 3 acre assumption.

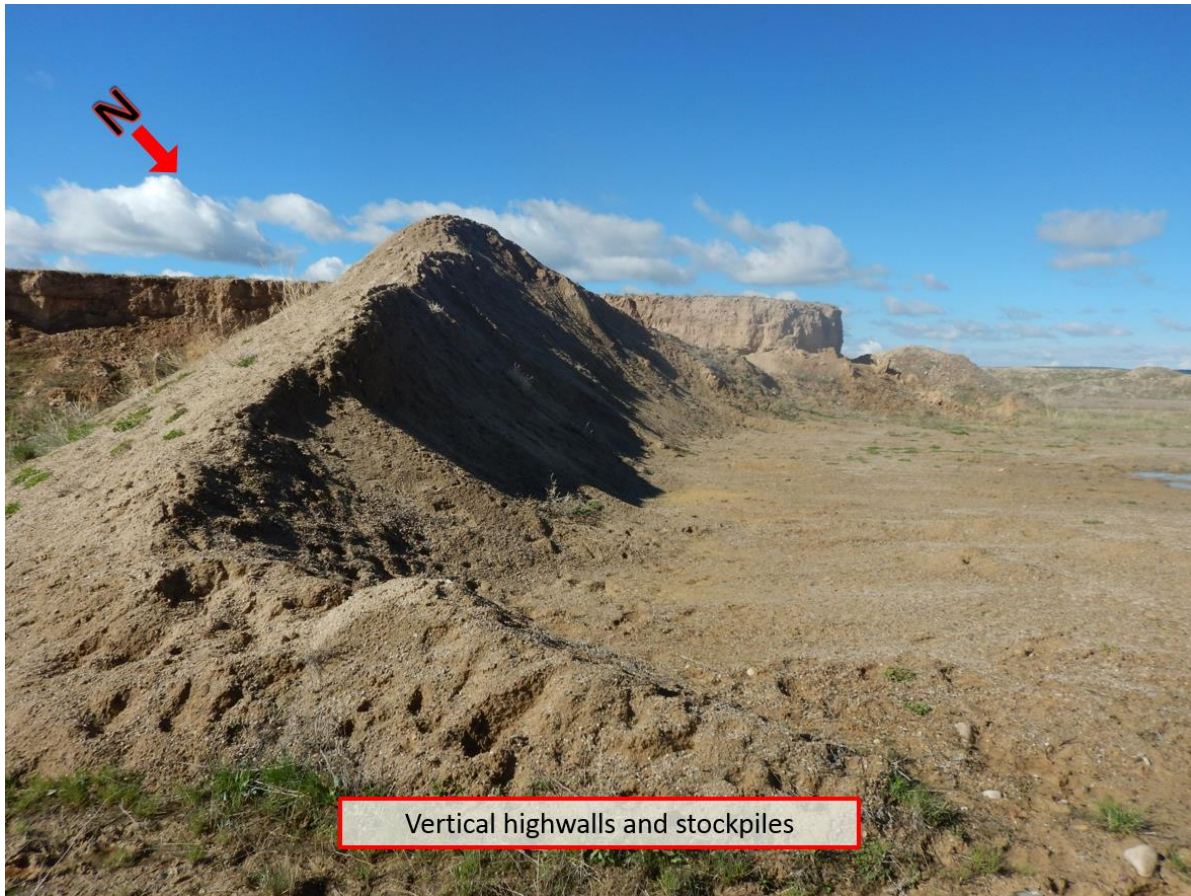
Currently the Division holds a bond of \$12,681. No surety increases have occurred since the permit issuance. In an effort to ensure the Financial Warranty adequately, reflects the actual current cost of fulfilling the requirements of the approved reclamation plan the Division will be updating the reclamation cost estimate. A copy of the staff calculations will be sent under separate cover.

Responses to this inspection report should be directed to: 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

PHOTOGRAPHS













GENERAL INSPECTION TOPICS

The following list identifies the environmental and permit parameters inspected and gives a categorical evaluation of each

(AR) RECORDS----- <u>PB</u>	(FN) FINANCIAL WARRANTY----- <u>Y</u>	(RD) ROADS----- <u>Y</u>
(HB) HYDROLOGIC BALANCE----- <u>Y</u>	(BG) BACKFILL & GRADING----- <u>Y</u>	(EX) EXPLOSIVES----- <u>NA</u>
(PW) PROCESSING WASTE/TAILING---- <u>NA</u>	(SF) PROCESSING FACILITIES----- <u>NA</u>	(TS) TOPSOIL----- <u>Y</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>Y</u>	(FW) FISH & WILDLIFE----- <u>Y</u>	(RV) REVEGETATION---- <u>Y</u>
(SM) SIGNS AND MARKERS----- <u>PB</u>	(SW) STORM WATER MGT PLAN---- <u>Y</u>	(CI) COMPLETE INSP---- <u>Y</u>
(ES) OVERBURDEN/DEV. WASTE----- <u>PB</u>	(SC) EROSION/SEDIMENTATION--- <u>Y</u>	(RS) RECL PLAN/COMP-- <u>Y</u>
(AT) ACID OR TOXIC MATERIALS----- <u>NA</u>	(OD) OFF-SITE DAMAGE----- <u>NA</u>	(ST) STIPULATIONS----- <u>Y</u>

Y = Inspected and found in compliance / N = Not inspected / NA = Not applicable to this operation / PB = Problem cited / PV = Possible violation cited

Inspection Contact Address

Cliff Henderson
Flying Triangle Ranch, LLC
12602 US HWY 26
Riverton, WY 82501

Enclosure

CC:
Flying Triangle Ranch, LLC
785 22 Road
Grand Junction, CO 81505

Russ Means, Senior EPS/ GJFO Supervisor, DRMS

ACY
SRM



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY

1313 Sherman Street, Room 215, Denver, Colorado 80203 Phone (303) 866-3567

TEMPORARY CESSATION NOTICE

(mining activities temporarily cease for more than a one-year period)

Today's date: June 6, 2016

TC#1

✓ Permit number: M- 2008-018 Site name: Flying Triangle Ranch Pit

County: Moffat TC number: _____ (DRMS use only)

✓ Permittee making request: Flying Triangle Ranch, LLC

RECEIVED

Operator (if other than permittee): _____

Date the initial five-year period of Temporary Cessation begins: March 4, 2014 ✓ JUL 08 2016

Reason mining activities (materials extraction, processing, hauling) have ceased:

**DIVISION OF RECLAMATION
MINING AND SAFETY**

Lack of market

✓ Annual Fee/Report (no Map)
✓ Violations

Description of plan to resume operations:

Seeking market opportunities for mined material

Description of plan to meet performance standards of Rule 3.1 during temporary cessation (reclamation, weed control, monitoring, signs, markers, etc.):

Maintenance of site, annual weed control, maintenance of signage and markers.

Number of affected acres: 61

Amount of financial warranty (bond) on deposit with the state: \$ 12,681.00

Required fees for Temporary Cessation by permit type (please mark the correct fee and submit it with this request for Temporary Cessation):

Permit type	Required TR fee	Submitted (mark only one)
Construction Materials	\$144	<input checked="" type="checkbox"/>
Hard Rock/ Metal Mining	\$115	<input type="checkbox"/>

The above-referenced permit has entered Temporary Cessation. This site has reserves remaining to be mined.

Operator's signature: Flying Triangle Ranch, LLC
By: Clifford T. Henderson Manager

Please note:

1. While in Temporary Cessation, the operator must continue to comply with the Rules and Act, including maintaining the site, and must continue to file an annual report and annual fee.

LIVINGSTON & MUMBY, LLC

Attorneys at Law

J. Richard Livingston
jrl@lmgjlaw.com

2764 Compass Drive, #200A
Grand Junction, CO 81506
(970) 242-7322 Fax (970) 242-0698

Keith G. Mumby
(1931-2014)

July 5, 2016

Ms. Amy Yeldell
Division of Reclamation
1313 Sherman Street, Room 215
Denver, CO 80203

Re: Flying Triangle Ranch Pit
M-2008-018

Dear Ms. Yeldell:

Enclosed please find a Temporary Cessation Notice for the above-referenced permit.

All trash and debris has been removed from the permitted site. Photos of the clean site are attached.

The required sign is posted and corners of the site are marked. Photos attached.

My client disagrees that reclamation expense would exceed the \$21,681 cash bond that is posted. He would appreciate an opportunity to discuss the matter with you at your convenience.

Please let me know if you have questions or require any additional information.

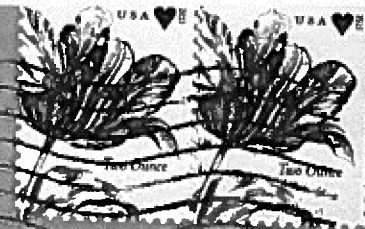
Sincerely yours,

LIVINGSTON & MUMBY, LLC



J. Richard Livingston

JRL:jlc
Enclosures
cc: Flying Triangle Ranch



GRAND JUNCTION CO 815
TUE JUL 05 2016 PM

LIVINGSTON & MUMBY, LLC

2764 Compass Drive, #200A
Grand Junction, CO 81506

TO:

Ms. Amy Yeldell
Division of Reclamation
1313 Sherman Street, Room 215
Denver, CO 80203

FIRST CLASS MAIL

RECEIVED

JUL 08 2016

DIVISION OF RECLAMATION
MINING AND SAFETY



Division of Reclamation, Mining, and Safety

Fee Receipt for M2008018

Flying Triangle Ranch , LLC
Cliff Henderson
12602 US HWY 26

Riverton

WY 825010000

Receipt #: 21791

Date: 07/08/2016

Permit: M2008018

Payment Method	Revenue Code	Fee Description/Notes	Amount
Check #13579	4300-MTC0	Minerals Temporary Cessation TC01	\$144.00
Receipt Total:			\$144.00



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

August 18, 2016

Mr. Cliff Henderson
Flying Triangle Ranch, LLC
785 22 Rd
Grand Junction, CO 81505

Re: Flying Triangle, Permit No. M-2008-018, Notice of Temporary Cessation, Notice of Incompleteness

Dear Mr. Henderson,

On July 8, 2016 the Division of Reclamation, Mining and Safety (Division) received your notice to revise the permit status on the above listed site to Temporary Cessation effective March 4, 2014. This notice is to inform you that on July 12, 2016 deemed your notice incomplete. The following item is required for your notice to be considered complete;

1. In accordance with Rule 1.13.5 (2) (e), the financial warranty for the site must be demonstrated to be adequate to cover the reclamation liability. The Division has reviewed the reclamation cost estimate for the site and deemed that the currently held \$12,681 is inadequate to achieve reclamation of the site. Please find the enclosed Notice of Surety Increase SI-01 and its attached reclamation cost estimate worksheets.

The additional financial warranty was due July 25, 2016. Once the financial warranty is received the notice will be considered filed and processing will begin. Per the inspection report mailed out on May 31, 2016 the site shall be put into temporary cessation by August 31, 2016. To avoid future potential enforcement actions please submit the required bond as soon as possible so that the TC process may begin. If you have any questions please feel free to contact me at the DRMS Grand Junction Field Office by phone at (970)-254-8511 or by email at amy.yeldell@state.co.us

Sincerely,

Amy Yeldell
Environmental Protection Specialist



Cliff Henderson
August 18, 2016
Page 2

Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215
Denver, CO 80203
Phone: (970)-254-8511

Encl: Notice of Financial Warranty Increase SI-01 and Calculations

Cc:
Russ Means, Senior Environmental Protection Specialist

Cliff Henderson
Flying Triangle Ranch, LLC
12602 US HWY 26
Riverton WY, 82501



May 26, 2016

Cliff Henderson
Flying Triangle Ranch, LLC
12602 US HWY 26
Riverton WY 82501



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

RE: Flying Triangle Ranch Pit, Permit No. M-2008-018, Reclamation Costs Update and Notice of Surety Increase (SI-1)

Dear Mr. Henderson:

In an effort to ensure the Financial Warranty for the above referenced site adequately reflects the actual current costs of fulfilling the requirements of the approved reclamation plan, the Colorado Division of Reclamation, Mining and Safety (Division) has updated the reclamation cost estimate (copy enclosed).

Division calculations estimate the cost to reclaim the above referenced site to be \$21,368 rounded up from \$21,367.86. This is an increase of \$8,687 over the \$12,681 currently held by the Division. This estimate is based on conditions observed during the May 11, 2016 inspection. Please note that no surety increase have occurred since the permit issuance in 2008. ***Therefore, pursuant to Section 34-32.5-117(4) of the Colorado Land Reclamation Act, adequate Financial Warranty must be submitted to the Division within 60 days of the mailing date of this letter.*** The additional amount needs to be accepted prior to **Monday, July 25, 2016**. Please review the enclosed figures as soon as possible and contact our office if any calculation errors are noted.

Please make arrangements with Barbara Coria at the Division of Reclamation, Mining and Safety Denver Office, phone no. 303.866.3567, ext. 8148 for submittal of the financial warranty. Any questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Barbara Coria.

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

Ec: Russ Means, Senior EPS / Field Office Supervisor, Grand Junction DRMS
Enc: Financial Warranty Cost Estimate



COST SUMMARY WORK

Task description: Updated after 5/11/16 inspection

Site: Flying Triangle Ranch Pit

Permit Action: 2016-05

Permit/Job#: M2008018

PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 5/24/2016

County: Moffat

Filename: M018-000

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Rip 3 acres of process and equipment area	RIPPER	1	6.54	\$1,473.00
02a	Cut and Fill 200' excavation bench	DOZER	1	9.47	\$2,051.00
03a	Push topsoil over 3.3 acres total disturbance	DOZER	1	3.21	\$668.00
04a	Reveg of 3.3 acres of total disturbances	REVEGE	1	24.00	\$7,833.00
05a	Initial Mobilization	MOBILIZE	1	5.50	\$3,748.00
06a	Secondary Mobilization	MOBILIZE	1	5.50	\$2,225.00
<u>SUBTOTALS:</u>				54.22	\$17,998

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$363.56

Performance bond: 1.05

Total = \$188.98

Job superintendent: 0.00

Total = \$0.00

Profit: 10.00

Total = \$1,799.80

TOTAL O & P = \$2,352.34

CONTRACT AMOUNT (direct + O & P) = \$20,350.34

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 0.00

Total = 0.00

Engineering work and/or contract/bid preparation: 0.00

Total = \$0.00

Reclamation management and/or administration: 5.00

\$1,017.52

CONTINGENCY: 0.00

Total = \$0.00

TOTAL INDIRECT COST = \$3,369.86

TOTAL BOND AMOUNT (direct + indirect) = \$21,367.86

BULLDOZER RIPPING WORK

Task description: Rip 3 acres of process and equipment area

Site: Flying Triangle Ranch Pit Permit Action: 2016-05 Permit/Job#: M2008018

PROJECT IDENTIFICATION

Task #: 01A State: Colorado Abbreviation: None
Date: 5/24/2016 County: Moffat Filename: M018-01a
User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D8T - 8SU Horsepower: 310
Ripper Attachment: 1-Shank Ripper Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	<u>\$74.27</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$102.51</u>	<u>100</u>
Ripper Operating Cost/Hour:	<u>\$9.46</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.89</u>	<u>NA</u>
Total Unit Cost/Hour:	<u>\$225.13</u>	
Total Fleet Cost/Hour:	<u>\$225.13</u>	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 3.00 acres Rip Depth (ft): 2.00 Volume: 9,680 BCY or CCY

Source of estimated quantity: Reclamation Plan

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 1.00 mph
Average Ripping Width: 5.56 degrees
Average Ripping Length: 100.00 feet
Average Dozer Speed: 88.00 feet
Average Maneuver Time: 0.25 feet
Production per unit area: 0.552 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.552 Acres/hr
Site Altitude: 6,320 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.46 Acres/hr
Adjusted Hourly Fleet Production: 0.46 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 6.54 Hours

Unit cost: \$491.014 Per acre Total job cost: \$1,473

BULLDOZER WORKTask description: Cut and Fill 200' excavation benchSite: Flying Triangle Ranch PitPermit Action: 2016-05Permit/Job#: M2008018**PROJECT IDENTIFICATION**Task #: 02AState: ColoradoAbbreviation: NoneDate: 5/24/2016County: MoffatFilename: M018-02aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D8T - 8SUHorsepower: 310Blade Type: Semi-UniversalAttachment: 3-shank ripperShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$73.32	NA
Operating Cost/Hour:	\$102.51	100
Ripper op. Cost/Hour:	\$1.87	25
Operator Cost/Hour:	\$38.89	NA

Total unit Cost/Hour: \$216.58Total Fleet Cost/Hour: **\$216.58****MATERIAL QUANTITIES**Initial Volume: 4,445Swell factor: 1.120Loose volume: **4,978 LCY**Source of estimated volume: Mine PlanSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 60 feetUnadjusted hourly production: 1,246.9 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: -15 %Average site altitude: 6,320 feetMaterial weight: 3,250 lbs/LCYWeight description: Gravel - Pitrun**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	0.900	(CAT HB))
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)

Spoil pile:	0.800	(FND-RF)
Push gradient:	1.329	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.708	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4217

Adjusted unit production: 525.82 LCY/hr

Adjusted fleet production: **525.82** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.412/LCY

Total job time: **9.47** Hours

Total job cost: **\$2,051**

BULLDOZER WORKTask description: **Push topsoil over 3.3 acres total disturbance**Site: **Flying Triangle Ranch Pit**Permit Action: **2016-05**Permit/Job#: **M2008018****PROJECT IDENTIFICATION**Task #: **03A**State: **Colorado**Abbreviation: **None**Date: **5/24/2016**County: **Moffat**Filename: **M018-03a**User: **ACY**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D8T - 8SU**Horsepower: **310**Blade Type: **Semi-Universal**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$66.85	NA
Operating Cost/Hour:	\$102.51	100
Ripper op. Cost/Hour:	\$0.00	25
Operator Cost/Hour:	\$38.89	NA

Total unit Cost/Hour: **\$208.25**Total Fleet Cost/Hour: **\$208.25****MATERIAL QUANTITIES**Initial Volume: **1,757**Swell factor: **1.000**Loose volume: **1,757 LCY**Source of estimated volume: **4" over 3.3 acres**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **150 feet**Unadjusted hourly production: **634.3 LCY/hr**Materials consistency description: **Loose stockpile 1.2**Average push gradient: **-30 %**Average site altitude: **6,320 feet**Material weight: **2,550 lbs/LCY**Weight description: **Earth - Dry packed****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.200	(CAT HB)
Dozing method:	1.000	(GEN.)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)

Spoil pile:	0.800	(FND-RF)
Push gradient:	1.601	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8630

Adjusted unit production: 547.40 LCY/hr

Adjusted fleet production: **547.4** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.380/LCY

Total job time: **3.21** Hours

Total job cost: **\$668**

REVEGETATION WORKTask description: Reveg of 3.3 acres of total disturbancesSite: Flying Triangle Ranch PitPermit Action: 2016-05Permit/Job#: M2008018**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 5/24/2016County: MoffatFilename: M018-04aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
			\$	\$
			Total Fertilizer Materials Cost/Acre	\$0.00

Application

Description	Cost /Acre
	\$
Total Fertilizer Application Cost/Acre	\$0.00

TILLING

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$107.59
Total Tilling Cost/Acre	\$107.59

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Indian Ricegrass - Paloma	1.00	3.24	\$8.73
Bluebunch Wheatgrass - Secar	5.00	16.07	\$34.25
Crested Wheatgrass - Ephraim	2.00	9.18	\$4.46
Canby Bluegrass - Canbar	1.00	21.26	\$8.40
Western Wheatgrass - Arriba	2.90	7.32	\$10.70
Needle and Thread	1.00	2.64	\$47.08
Sagebrush, Mountain or Big	1.00	52.80	\$34.38
Totals Seed Mix	13.90	112.51	\$148.00

Application

Description	Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)	\$434.00
Total Seed Application Cost/Acre	\$434.00

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Hay, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Herbicide - Curtail @ 4.0 pt/ac	1.00	ACRE	\$16.56	\$16.56
Total Mulch Materials Cost/Acre				\$546.56

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$66.02
Power mulcher (MEANS 32 91 13.16 0350)	\$97.14
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Total Mulch Application Cost/Acre	\$346.32

NURSERY STOCK PLANTING

Common Name	No / Acre	Type and Size	Planting Cost	Fertilizer Pellet Cost	Cost /Acre
					\$
Totals Nursery Stock Cost / Acre					\$0.00

JOB TIME AND COST

No. of Acres: 3.3 Cost /Acre: \$1,582.47
 Estimated Failure Rate: 50% Cost /Acre*: \$1,582.47
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: \$5,222.15
 Reseeding Job Cost: \$2,611.08
 Total Job Cost: \$7,833
 Job Hours: 24.00

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**Site: **Flying Triangle Ranch Pit**Permit Action: **2016-05**Permit/Job#: **M2008018****PROJECT IDENTIFICATION**Task #: **05A**State: **Colorado**Abbreviation: **None**Date: **5/24/2016**County: **Moffat**Filename: **M0018-05a**User: **ACY**Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**Shift basis: **1 per day**Cost Data Source: **CRG Data**Truck Tractor Description: **GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)**Truck Trailer Description: **GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)****Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Cat D8T - 8SU	53.08	\$73.32	\$125.45	1	\$198.77	\$125.45	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00

Subtotals: **\$422.73** **\$302.79** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 15K GVW	\$42.89	1	\$42.89	\$42.89
Light Duty Pickup, 4x4, 3/4 T.	\$32.80	1	\$32.80	\$32.80

Subtotals: **\$75.69** **\$75.69**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CRAIG
 Total one-way travel distance: 35.00 miles
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost * \$3,615.12
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$132.46
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.88	0.88
Return Time (Hours):	0.88	0.88
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.75	1.75

JOB TIME AND COST

Total job time: 5.50 Hours

Total job cost: \$3,748

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mobilization**Site: **Flying Triangle Ranch Pit**Permit Action: **2016-05**Permit/Job#: **M2008018****PROJECT IDENTIFICATION**Task #: **06A**State: **Colorado**Abbreviation: **None**Date: **5/24/2016**County: **Moffat**Filename: **M018-06a**User: **ACY**Agency or organization name: **DRMS****EQUIPMENT TRANSPORT RIG COST**Shift basis: **1 per day**Cost Data Source: **CRG Data**Truck Tractor Description: **GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POWERED,
400 HP (2ND HALF, 2006)**Truck Trailer Description: **GENERIC FOLDING GOOSENECK, DROP DECK EQUIPMENT
TRAILER (25T, 50T, AND 100T)****Cost Breakdown:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine Description	Weight/ Unit (TONS)	Owner ship Cost/hr/ unit	Haul Rig Cost/hr/unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet	DOT Permit Cost/ fleet
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00
Subtotals:					\$223.96	\$177.34	\$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 15K GVW	\$42.89	1	\$42.89	\$42.89
Subtotals:			\$42.89	\$42.89

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: CRAIG
 Total one-way travel distance: 35.00 miles
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost * \$2,150.20
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$75.06
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.88	0.88
Return Time (Hours):	0.88	0.88
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.75	1.75

JOB TIME AND COST

Total job time: 5.50 Hours

Total job cost: \$2,225



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

August 26, 2016

Cliff Henderson
Flying Triangle Ranch, LLC
785 22 Road
Grand Junction, CO 81505

**Re: Notice of Completeness, Notice of Temporary Cessation, Flying Triangle Ranch Pit,
Permit No. M-2008-018**

Mr. Henderson,

On August 23, 2016 the Division of Reclamation, Mining and Safety (Division) received the required outstanding items identified in the Notice of Incompleteness for the Notice of Temporary Cessation dated August 18, 2016. Your Notice of Temporary Cessation is now considered complete and filed.

The Notice of Temporary Cessation will be acknowledged in the monthly activity report attached to the agenda for the September 28-29, 2016 meeting of the Mined Land Reclamation Board unless a written, timely objection is filed by a person directly and adversely affected or aggrieved as defined by Rule 1.1 (34.1) of the Construction Materials Mining Rules.

If objections are received by Monday September 26, 2016 the Division will place the Notice of Temporary Cessation on the regular agenda for the October 26-27, 2016 meeting of the Mined Land Reclamation Board. During that meeting the Board will consider whether or not to accept the Notice.

If you require any additional information, or have questions or concerns, please feel free to contact me at the Division's Grand Junction Field Office at (970)254-8511 or by email at amy.yeldell@state.co.us.

Sincerely,

Amy Yeldell
Environmental Protection Specialist
Division of Reclamation, Mining and Safety
1313 Sherman Street, Room 215



Cliff Henderson
August 29, 2016
Page 2

Denver, CO 80203
Phone: (970)-254-8511

Cc: Russ Means, Senior Environmental Protection Specialist



Notice of Temporary Cessation - Construction Materials

Pursuant to the Mined Land Reclamation Act section 34-32.5-103(11)(b) and Construction Materials Rule 1.13.6(1) the Division of Reclamation, Mining and Safety hereby posts the following Notice(s) of Temporary Cessation for the following permitted site(s) on the Mined Land Reclamation Board Agenda.

1) Flying Triangle Ranch Pit, Permit No. M-2008-018

Located in Moffat County, Township 12 N, Range 92 W, Section 23, 6th P.M.

Operated by Flying Triangle Ranch, LLC.

785 22 Road

Grand Junction, CO 81505

(Amy Yeldell)

Any person directly and adversely affected or aggrieved, as defined by Rules 1.1(34.1) and 1.13.6, may file a written objection with the Division regarding this Notice of Temporary Cessation on or before Monday, September 26, 2016. If no timely written objection is received, the Notice of Temporary Cessation will be placed on the consent agenda for consideration and acceptance by the Board at the September 28, 2016 Board meeting. If the Division receives a timely objection to the Notice of Temporary Cessation, the Board will hear the objection as a contested matter at the next or future regularly scheduled meeting to be determined by the parties.

August 29, 2016

Moffat County
County Commissioner
221 W Victory Way #130
Craig, Co 81626



COLORADO
Division of Reclamation,
Mining and Safety
Department of Natural Resources

1313 Sherman Street, Room 215
Denver, CO 80203

RE: Flying Triangle Ranch Pit, Flying Triangle Ranch, LLC, Permit No. M-2008-018, Request for Temporary Cessation Status

This letter is to inform Counties and Municipalities within two miles of a mining operation of the intent of Operator to put their mining operation into a state of temporary cessation. This letter is sent pursuant to the requirement of Rule 1.13.6 of the Rules and Regulations of the Colorado Mined Land Reclamation Board.

Please be advised that Operator, whose address and telephone number are 785 22 Road, Grand Junction, CO 81505; 970-260-0892, has filed a Notice of Temporary Cessation with the Division of Reclamation, Mining and Safety for the Flying Triangle Ranch Pit mining operation. The mining operation is located at or near Section 23, Township 12 N, Range 92 W, 6th Prime Meridian, in Moffat County.

The period of temporary cessation will commence the first five year period which begin on March 4, 2014 and will last up to five years from that date, ending March 4, 2019. The notice submitted to the Division contains information pertaining to the reasons for cessation of the mining operation, a plan for resumption, and the measures taken to comply with reclamation and other necessary activities related to the performance standards of Rule 3 of the Rules and Regulations in order to maintain the mine in a non-producing or non-development state.

The receipt of the Notice of Temporary Cessation will be acknowledged in the monthly activity report attached to the agenda for the September, 2016 meeting of the Mined Land Reclamation Board unless one or more of the following conditions occurs:

1. Reclamation or performance standard issues are indicated in the Notice of Temporary Cessation.
2. Such issues are indicated by a field inspection of the mine site.
3. Such issues are indicated by a review of the mining operation file.
4. Concerns are expressed about the Notice of Temporary Cessation by interested persons.

If one or more of the above conditions occurs, the Division will place the Notice of Temporary Cessation on the agenda for the October, 2016 meeting of the Mined Land Reclamation Board. During that meeting, the Board will consider whether or not to accept the Notice.



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

Cc:
Russ Means, Senior EPS, Grand Junction DRMS