



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

November 4, 2022

Scott Stewart  
#17 Enterprises, LLC  
0275 CR 22  
P.O. Box 88  
DeBeque, CO 81630

**Re: K-Bar-T Pit - File No. M-1978-221**  
**#17 Enterprises, LLC**  
**Surety Increase (SI-3)**  
**Surety increase post inspection 11-2-2022**

Dear Scott Stewart:

On November 4, 2022 the Division of Reclamation, Mining and Safety increased the current Financial Warranty for this permit to \$18,315.00, in accordance with Rule 4.2.1 of the Rules and Regulations. This is an increase of \$5,516.14.

Please see the November 2, 2022 inspection report for details regarding why this surety increase is required.

The Division ordered amendment of the current Financial Warranty, or submittal of a new Financial Warranty reflecting the increase, within 60 days from the date of this letter (November 4, 2022).

Please make arrangements with Sara M. Stevenson-Benn at the Division's Denver office for submittal of the financial warranty. Any other questions regarding completion, execution and/or submittal of financial warranty forms should also be directed to Sara M. Stevenson-Benn by telephone at (303) 866-3567 (8148), or by email at Sara.stevenson-benn@state.co.us.

The Permittee for this site may be scheduled for a Formal Board Hearing for possible revocation of the permit after January 3, 2023, if the amount of any increased Financial Warranty has not been provided.

Bond Held:	\$12,798.86
Prior Liability:	\$12,798.86
Change in Liability:	\$5,516.14
Revised Liability:	\$18,315.00



Prior Permit Acreage:	9.90
Change in Permit Acreage:	0.00
Revised Permit Acreage:	9.90
Prior Affected Acreage:	9.90
Change in Affected Acreage:	0.00
Revised Affected Acreage:	9.90

If you have any questions, please contact me by telephone at (303) 866-3567 x 8183, or by email at Amy.yeldell@state.co.us.

Sincerely,



Amy C. Yeldell  
Environmental Protection Specialist

cc: Doug Dean

M-GR-04

## COST SUMMARY WORK

Task description: Post inspection update 11-2-2022

Site: K-Bar-T Pit

Permit Action: 2022

Permit/Job#: M1978221

### PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 11/4/2022

County: Rio Blanco

Filename: M221-ACY

User: ACY

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Re-grade 200LF highwall from 1H:1V to 3H:1V	DOZER	1	8.71	\$1,028
02a	Rip 2.5 acres of compacted area	RIPPER	1	4.88	\$605
03a	Spread 6" of topsoil over 2.5 acres	DOZER	1	30.53	\$3,604
04a	Revegetation of 2.5 acres	REVEGE	1	8.00	\$5,462
05a	Mobilization	MOBILIZE	1	2.68	\$2,244
05b	Secondary Mobilization	MOBILIZE	1	2.68	\$1,455
<b><u>SUBTOTALS:</u></b>				<b>57.48</b>	<b>\$14,398</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$291

Performance bond: 1.05

Total = \$151

Job superintendent: 10.00

Total = \$751

Profit: 10.00

Total = \$1,440

TOTAL O & P = \$2,633

CONTRACT AMOUNT (direct + O & P) = \$17,031

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0

Total = \$0

Engineering work and/or contract/bid preparation: 0.00

Total = \$0

Reclamation management and/or administration: 5.00

\$852

CONTINGENCY: 3.00

Total = \$432

TOTAL INDIRECT COST = \$3,917

**TOTAL BOND AMOUNT (direct + indirect) = \$18,315**

**BULLDOZER WORK**Task description: **Re-grade 200LF highwall from 1H:1V to 3H:1V**Site: **K-Bar-T Pit**Permit Action: **2022**Permit/Job#: **M1978221****PROJECT IDENTIFICATION**Task #: **01A**State: **Colorado**Abbreviation: **None**Date: **11/4/2022**County: **Rio Blanco**Filename: **M221-01a**User: **ACY**Agency or organization name: **DRMS****HOURLY EQUIPMENT COST**Basic Machine: **Cat D5N LGP - 5P**Horsepower: **96**Blade Type: **Power Angle Tilt**Attachment: **NA**Shift Basis: **1 per day**Data Source: **(CRG)****Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$41.98	NA
Operating Cost/Hour:	\$34.75	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: **\$118.03**Total Fleet Cost/Hour: **\$118.03****MATERIAL QUANTITIES**Initial Volume: **1,157**Swell factor: **1.124**Loose volume: **1,300 LCY**Source of estimated volume: **25'H 200LF 1:1 to 3:1 cut fill**Source of estimated swell factor: **Cat Handbook****HOURLY PRODUCTION**Average push distance: **75 feet**Unadjusted hourly production: **376.8 LCY/hr**Materials consistency description: **Compacted fill or embankment 0.9**Average push gradient: **-5 %**Average site altitude: **6,570 feet**Material weight: **2,900 lbs/LCY**Weight description: **Sand and gravel - Dry****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:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.793	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3963

Adjusted unit production: 149.33 LCY/hr

Adjusted fleet production: **149.33** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.790/LCY

Total job time: **8.71** Hours

Total job cost: **\$1,028**

## BULLDOZER RIPPING WORK

Task description: Rip 2.5 acres of compacted area

Site: K-Bar-T Pit Permit Action: 2022 Permit/Job#: M1978221

### PROJECT IDENTIFICATION

Task #: 02A State: Colorado Abbreviation: None  
Date: 11/4/2022 County: Rio Blanco Filename: M221-02a  
User: ACY

Agency or organization name: DRMS

### HOURLY EQUIPMENT COST

Basic Machine: Cat D5N LGP - 5P Horsepower: 96  
Ripper Attachment: 3-Shank Ripper Shift Basis: 1 per day  
Data Source: (CRG)

#### Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$41.98	NA
Operating Cost/Hour:	\$34.75	100
Ripper Ownership Cost/Hour:	\$3.32	NA
Ripper Operating Cost/Hour:	\$2.38	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$123.73	
Total Fleet Cost/Hour:	<b>\$123.73</b>	

### MATERIAL QUANTITIES

Selected estimating method: Area

#### Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA  
Area: 2.25 acres Rip Depth (ft): 1.50 Volume: 5,445 BCY or CCY

Source of estimated quantity: Compacted areas-previously accepted values

### HOURLY PRODUCTION

#### Seismic:

Seismic Velocity: NA feet/second

#### Area:

Average Ripping Depth: 1.11 feet/pass  
Average Ripping Width: 5.08 feet/pass  
Average Ripping Length: 200.00 feet/pass  
Average Dozer Speed: 88.00 feet/minute  
Average Maneuver Time: 0.25 minutes/pass  
Production per unit area: 0.555 acres/hour

#### Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.555 Acres/hr  
Site Altitude: 6,570 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: **4.89** Hours

Unit cost: \$268.726 Per acre Total job cost: **\$605**

**BULLDOZER WORK**Task description: Spread 6" of topsoil over 2.5 acresSite: K-Bar-T PitPermit Action: 2022Permit/Job#: M1978221**PROJECT IDENTIFICATION**Task #: 03AState: ColoradoAbbreviation: NoneDate: 11/4/2022County: Rio BlancoFilename: M221-03aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D5N LGP - 5PHorsepower: 96Blade Type: Power Angle TiltAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$41.98	NA
Operating Cost/Hour:	\$34.75	100
Ripper own. Cost/Hour:	\$0.00	NA
Ripper op. Cost/Hour:	\$0.00	0
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$118.03Total Fleet Cost/Hour: \$118.03**MATERIAL QUANTITIES**Initial Volume: 2,016Swell factor: 1.115Loose volume: 2,248 LCYSource of estimated volume: 6" over 2.5 acSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 200 feetUnadjusted hourly production: 150.0 LCY/hrMaterials consistency description: Compacted fill or embankment 0.9Average push gradient: 0 %Average site altitude: 6,570 feetMaterial weight: 2,100 lbs/LCYWeight description: Earth - Loam**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:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.095	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4908

Adjusted unit production: 73.62 LCY/hr

Adjusted fleet production: **73.62** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$1.603/LCY

Total job time: **30.53** Hours

Total job cost: **\$3,604**



**REVEGETATION WORK**Task description: Revegetation of 2.5 acresSite: K-Bar-T PitPermit Action: 2022Permit/Job#: M1978221**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 11/4/2022County: Rio BlancoFilename: M221-04aUser: ACYAgency or organization name: DRMS**FERTILIZING****Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
10-34-0, 18-46-0, 5-10-5	200.00	pound	\$0.38	\$76.00
			<b>Total Fertilizer Materials Cost/Acre</b>	<b>\$76.00</b>

**Application**

Description	Cost /Acre
Tractor towed spreader (MEANS 32 01 90.13 0120)	\$39.64
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$39.64</b>

**TILLING**

Description	Cost /Acre
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$117.18
<b>Total Tilling Cost/Acre</b>	<b>\$117.18</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Intermediate Wheatgrass - Oahe	6.00	12.81	\$16.80
Pubescent Wheatgrass - Greenleaf	3.00	6.20	\$10.95
Yellow Sweet Clover - Madrid	1.00	5.97	\$2.83
<b>Totals Seed Mix</b>	<b>10.00</b>	<b>24.98</b>	<b>\$30.58</b>

**Application**

Description	Cost /Acre
Drill Seeding (DRMS Survey Cost)	\$232.00

<b>Total Seed Application Cost/Acre</b>	<b>\$232.00</b>
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**MULCHING and MISCELLANEOUS****Materials**

<b>Description</b>	<b>Units / Acre</b>	<b>Unit</b>	<b>Cost / Unit</b>	<b>Cost / Acre</b>
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$3.04	\$3.04
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$421.36	\$842.72
<b>Total Mulch Materials Cost/Acre</b>				<b>\$845.76</b>

**Application**

<b>Description</b>	<b>Cost / Acre</b>
Crimping, with tractor {DMG survey data}	\$73.00
Power mulcher (MEANS 32 91 13.16 0350)	\$141.57
Weed spray, truck, non-aquatic area, nox. [DMG]	\$62.72
<b>Total Mulch Application Cost/Acre</b>	<b>\$277.29</b>

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres: 2.5 Cost /Acre: \$1,618.45  
 Estimated Failure Rate: 35% Cost /Acre\*: \$1,618.45  
 \*Selected Replanting Work Items: FERTILIZING,TILLING,SEEDING,MU  
 LCHING

Initial Job Cost: **\$4,046.13**  
 Reseeding Job Cost: **\$1,416.14**  
 Total Job Cost: **\$5,462**  
 Job Hours: **8.00**

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mobilization**Site: **K-Bar-T Pit**Permit Action: **2022**Permit/Job#: **M1978221****PROJECT IDENTIFICATION**Task #: **05A**State: **Colorado**Abbreviation: **None**Date: **11/4/2022**County: **Rio Blanco**Filename: **M221-05a**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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$15.25	\$23.06	\$37.58
Operating Cost/Hour:	\$25.26	\$30.83	\$51.41
Operator Cost/Hour:	\$27.71	\$27.71	\$27.71
Helper Cost/Hour:	\$0.00	\$20.22	\$20.22
Total Unit Cost/Hour:	\$68.22	\$101.82	\$136.92

**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 D5N LGP - 5P	12.10	\$45.30	\$68.22	1	\$113.52	\$68.22	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.25	\$68.22	1	\$74.47	\$68.22	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.79	\$68.22	1	\$83.01	\$68.22	\$250.00

Subtotals: **\$271.00** **\$204.66** **\$750.00****ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$114.71	1	\$114.71	\$114.71

Subtotals: **\$114.71** **\$114.71**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: MEEKER  
 Total one-way travel distance: 6.00 miles  
 Average Travel Speed: 35.00 mph

Total Non-Roadable Mob/Demob Cost \* \$2,205.08  
 \* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$39.33  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.17	0.17
Return Time (Hours):	0.17	0.17
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.34	0.34

**JOB TIME AND COST**

Total job time: 2.69 Hours

Total job cost: \$2,244

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: Secondary MobilizationSite: K-Bar-T PitPermit Action: 2022Permit/Job#: M1978221**PROJECT IDENTIFICATION**Task #: 05BState: ColoradoAbbreviation: NoneDate: 11/4/2022County: Rio BlancoFilename: M221-05bUser: ACYAgency or organization name: DRMS**EQUIPMENT TRANSPORT RIG COST**Shift basis: 1 per dayCost Data Source: CRG DataTruck 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:**

<b>Available Rig Capacities</b>	<b>0-25 Tons</b>	<b>26-50 Tons</b>	<b>51+ Tons</b>
Ownership Cost/Hour:	\$15.25	\$23.06	\$37.58
Operating Cost/Hour:	\$25.26	\$30.83	\$51.41
Operator Cost/Hour:	\$27.71	\$27.71	\$27.71
Helper Cost/Hour:	\$0.00	\$20.22	\$20.22
Total Unit Cost/Hour:	\$68.22	\$101.82	\$136.92

**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	\$6.25	\$68.22	1	\$74.47	\$68.22	\$250.00
Power Mulcher (Bowie LD-90)	6.00	\$14.79	\$68.22	1	\$83.01	\$68.22	\$250.00
Subtotals:					<b>\$157.48</b>	<b>\$136.44</b>	<b>\$500.00</b>

**ROADABLE EQUIPMENT:**

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Light Duty Pickup, 4x4, 3/4 T.	\$114.71	1	\$114.71	\$114.71
Subtotals:			<b>\$114.71</b>	<b>\$114.71</b>

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region: MEEKER  
 Total one-way travel distance: 6.00 miles  
 Average Travel Speed: 35.00 mph

Total Non-Roadable Mob/Demob Cost \* \$1,415.73  
 \* two round trips with haul rig:  
 Total Roadable Mob/Demob Cost \*\* \$39.33  
 \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.17	0.17
Return Time (Hours):	0.17	0.17
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.34	0.34

**JOB TIME AND COST**

Total job time: 2.69 Hours

Total job cost: \$1,455