



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

April 27, 2022

James Blair
Bureau of Land Management
Tres Rios Field Office
29211 HWY 184
Dolores, CO 81323

Re: Wedding Bell Project (Section 23 Area), File No. P-2021-009, Notice of Intent to Conduct Prospecting Operations (NOI), Request for Concurrence

Dear Mr. Blair,

On June 2, 2021 the Division of Reclamation, Mining and Safety received the above listed application for the Wedding Bell Project (Section 23 Area) Notice of Intent to Conduct Prospecting Operations (NOI) located on Bureau of Land Management Lands (BLM) within San Miguel County. During the Division's technical Adequacy Review period a Reclamation Cost Estimate was performed. Based on the details of the project, Division Staff has estimated the total Reclamation Cost to ensure reclamation of all affected lands at \$22,065.00. The Reclamation Cost Estimate Worksheets are enclosed. Per the Memorandum of Understanding, please review these calculations and provide documentation of concurrence for the Financial Warranty amount.

Upon receiving concurrence, the calculation will be provided to the applicant so they may submit the appropriate Financial Warranty for the site. Please note the application will not be granted the final Authorization to Proceed from our office until all necessary permits are also obtained from the BLM and copies are provided to the Division. If you have any questions please feel free to contact me at the Division's Grand Junction Field Office, by phone at 303-866-3567 Ext. 8187 or by email at lucas.west@state.co.us.

Sincerely,

Lucas West
Environmental Protection Specialist
Division of Reclamation, Mining and Safety

Encl: Reclamation Cost Estimate Worksheets

Cc: Jim Guilinger, Standard Metals Processing, Inc.



COST SUMMARY WORK

Task description: Cost Summary

Site: Wedding Bell Project (Section 23 Area)

Permit Action: New App

Permit/Job#: P2021009

PROJECT IDENTIFICATION

Task #: 000
Date: 4/27/2022
User: LJW

State: Colorado
County: San Miguel

Abbreviation: None
Filename: P009-000

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	P & A 11 drill holes	BOREHOLE	1	40.00	\$2,087
002	Regrade 11 drill pads	DOZER	1	7.33	\$1,275
003	Regrade Roads	DOZER	1	2.80	\$487
004	Reveg affected areas	REVEGE	1	16.00	\$0
004a	Secondary seeding of affected areas	REVEGE	1	8.00	\$10,924
005	Mobilization	MOBILIZE	1	4.40	\$1,311
<u>SUBTOTALS:</u>				78.53	\$16,084

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 39.27
Profit: 10.00

Total = \$325
Total = \$169
Total = \$2,828
Total = \$1,608

TOTAL O & P = \$4,930

CONTRACT AMOUNT (direct + O & P) = \$21,014

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$0
Engineering work and/or contract/bid preparation: 0.00
Reclamation management and/or administration: 5.00

Total = \$0
Total = \$0
Total = \$1,051

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$5,981

TOTAL BOND AMOUNT (direct + indirect) = \$22,065

BOREHOLE SEALING WORK

Task description: P & A 11 drill holes

Wedding Bell Project (Section
Site: 23 Area)

Permit Action:
New App

Permit/Job#: P2021009

PROJECT IDENTIFICATION

Task #: 001
Date: 4/27/2022
User: LJW

State: Colorado
County: San Miguel

Abbreviation: None
Filename: P009-001

Agency or organization name: DRMS

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Hole 1 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 1 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 2 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 2 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 3 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 3 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 4 Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 4 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 5 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 5 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 6 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 6 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 7 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 7 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 8 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 8 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 9 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 9 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02
Hole 10 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 10 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02

Hole 11 - Spider Plug	Stainless steel plug - 6 in. diameter borehole	6	NA	1.00	EA	\$159.72	\$159.72
Hole 11 - Bentonite Seal	Bentonite seal - 6 in. (labor, equip, materials)	6	4.75	4.75	LF	\$6.32	\$30.02

Job Hours: 40.00

Total Cost: \$2,087.00

BULLDOZER WORKTask description: **Regrade 11 drill pads**Site: **Wedding Bell Project (Section 23 Area)**

Permit Action:

New App

Permit/Job#: P2021009

PROJECT IDENTIFICATION

Task #: 002

State: Colorado

Abbreviation: None

Date: 4/27/2022

County: San Miguel

Filename: P009-002

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D6T LGP

Horsepower: 200

Blade Type: Straight

Attachment: NA

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$66.27	NA
Operating Cost/Hour:	\$66.34	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:	\$173.91	
Total Fleet Cost/Hour:	\$173.91	

MATERIAL QUANTITIES

Initial Volume: 1,019

Swell factor: 1.000

Loose volume: **1,019 LCY**

Source of estimated volume: 11 pads 50*50*1 ft deep/27

Source of estimated swell factor: Cat Handbook

HOURLY PRODUCTION

Average push distance: 50 feet

Unadjusted hourly production: 444.6 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 0 %

Average site altitude: 6,700 feet

Material weight: 3,300 lbs/LCY

Weight description: Decomposed rock - 75% Rock, 25% Earth

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:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3124

Adjusted unit
production: 138.89 LCY/hr

Adjusted fleet
production: **138.89** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.252/LCY

Total job time: **7.33** Hours

Total job cost: **\$1,275**

BULLDOZER WORKTask description: **Regrade Roads**Site: **Wedding Bell Project (Section
23 Area)**

Permit Action:

New App

Permit/Job#: P2021009

PROJECT IDENTIFICATION

Task #: 003

State: Colorado

Abbreviation: None

Date: 4/27/2022

County: San Miguel

Filename: P009-003

User: LJW

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D6T LGP

Horsepower: 200

Blade Type: Straight

Attachment: NA

Shift Basis: 1 per day

Data Source: (CRG)

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$66.27	NA
Operating Cost/Hour:	\$66.34	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:	\$173.91	
Total Fleet Cost/Hour:	\$173.91	

MATERIAL QUANTITIES

Initial Volume: 389

Swell factor: 1.000

Loose volume: **389 LCY**

Source of estimated volume: 1050 LF, 10ft wide, 1ft deep

Source of estimated swell
factor: Cat Handbook**HOURLY PRODUCTION**

Average push distance: 50 feet

Unadjusted hourly
production: 444.6 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push
gradient: 0 %

Average site altitude: 6,700 feet

Material weight: 3,300 lbs/LCY

Weight description: Decomposed rock - 75% Rock, 25% Earth

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:	0.600	(FND-SF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.697	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3124

Adjusted unit
production: 138.89 LCY/hr

Adjusted fleet
production: **138.89** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$1.252/LCY

Total job time: **2.80** Hours

Total job cost: **\$487**

REVEGETATION WORKTask description: Reveg affected areasSite: Wedding Bell Project (Section 23 Area)Permit Action: New AppPermit/Job#: P2021009**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 4/27/2022County: San MiguelFilename: P009-004User: LJWAgency 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
Hand raking (MEANS 32 91 13.23 0250)	\$1,546.38
Total Tilling Cost/Acre	\$1,546.38

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.48	7.83	\$6.59
Indian Ricegrass - Native	3.71	12.01	\$24.12
Sand Dropseed	0.07	8.36	\$0.68
Bottlebrush Squirreltail	2.04	8.99	\$33.10
Galleta	2.47	9.02	\$55.20
Muttongrass	0.10	2.07	\$3.44
Sagebrush, Mountain or Big	0.10	5.28	\$1.98
Saltbush, Four Wing	0.25	0.34	\$3.13
Winter Fat	0.25	0.64	\$5.13

Totals Seed Mix	9.47	54.54	\$133.35
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Application

Description	Cost /Acre
Push spreader (MEANS 32 92 19.14 0020)	\$1,821.68
Total Seed Application Cost/Acre	\$1,821.68

MULCHING and MISCELLANEOUS**Materials**

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

Application

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

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:	1.95	Cost /Acre:	\$3,501.41
Estimated Failure Rate:	60%	Cost /Acre*:	\$3,501.41
*Selected Replanting Work Items:	TILLING,SEEDING		
Initial Job Cost:	\$6,827.75		
Reseeding Job Cost:	\$4,096.65		
Total Job Cost:	\$10,924		
Job Hours:	16.00		

REVEGETATION WORKTask description: Secondary seeding of affected areasSite: Wedding Bell Project (Section 23 Area)Permit Action: New AppPermit/Job#: P2021009**PROJECT IDENTIFICATION**Task #: 004A
Date: 4/27/2022
User: LJWState: Colorado
County: San MiguelAbbreviation: None
Filename: P009-004aAgency 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
Hand raking (MEANS 32 91 13.23 0250)	\$1,546.38
Total Tilling Cost/Acre	\$1,546.38

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Blue Grama - Native	0.48	7.83	\$6.59
Indian Ricegrass - Native	3.71	12.01	\$24.12
Sand Dropseed	0.07	8.36	\$0.68
Bottlebrush Squirreltail	2.04	8.99	\$33.10
Galleta	2.47	9.02	\$55.20
Muttongrass	0.10	2.07	\$3.44
Sagebrush, Mountain or Big	0.10	5.28	\$1.98
Saltbush, Four Wing	0.25	0.34	\$3.13
Winter Fat	0.25	0.64	\$5.13

Totals Seed Mix	9.47	54.54	\$133.35
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Application

Description	Cost /Acre
Push spreader (MEANS 32 92 19.14 0020)	\$1,821.68
Total Seed Application Cost/Acre	\$1,821.68

MULCHING and MISCELLANEOUS**Materials**

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

Application

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

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:	1.95	Cost /Acre:	\$3,501.41
Estimated Failure Rate:	60%	Cost /Acre*:	\$3,501.41
*Selected Replanting Work Items:	TILLING,SEEDING		
Initial Job Cost:	\$6,827.75		
Reseeding Job Cost:	\$4,096.65		
Total Job Cost:	\$10,924		
Job Hours:	8.00		

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mobilization**Site: **Wedding Bell Project (Section
23 Area)**Permit Action: **New App**Permit/Job#: **P2021009****PROJECT IDENTIFICATION**

Task #: **005** State: **Colorado** Abbreviation: **None**
 Date: **4/27/2022** County: **San Miguel** Filename: **P009-005**
 User: **LJW**

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:	\$21.28	\$37.94	\$47.67
Operating Cost/Hour:	\$26.55	\$50.48	\$56.21
Operator Cost/Hour:	\$20.54	\$20.54	\$20.54
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$68.37	\$132.49	\$147.95

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 D6T LGP	26.87	\$66.27	\$132.49	1	\$198.76	\$132.49	\$250.00
Subtotals:					\$198.76	\$132.49	\$250.00

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.	\$12.93	1	\$12.93	\$12.93
Subtotals:			\$12.93	\$12.93

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	NATURITA	
Total one-way travel distance:	27.00	miles
Average Travel Speed:	45.00	mph

Total Non-Roadable Mob/Demob Cost *	\$1,295.02
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$15.52
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.60	0.60
Return Time (Hours):	0.60	0.60
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	2.20	1.20

JOB TIME AND COST

Total job time: 4.40 Hours

Total job cost: \$1,311