



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

July 15, 2025

Bridget Wade
Bureau of Land Management
Tres Rios Field Office
161 Burnett Drive, Unit 4
Durango, CO
81301

**Re: Stateline Exploration Project, File No. P-2025-008, Notice of Intent to Conduct
Prospecting Operations (NOI), Request for Concurrence**

Dear Ms. Wade,

On June 4, 2025, the Division of Reclamation, Mining and Safety received the above listed application for the Slick Rock 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 \$19,211.00. 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. If you have any questions please feel free to contact me at the Division's Grand Junction Field Office, by phone at 303-919-2997 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: Travis Marshall, DRMS
Ec: Don Hamilton, Starpoint Enterprises, Inc.
Bridget Wade, BLM



COST SUMMARY WORK

Task description: Cost Summary

Site: Stateline Exploration Project
(Phase 1)

Permit Action: New App

Permit/Job#: P2025008

PROJECT IDENTIFICATION

Task #: 000
Date: 7/15/2025
User: LJW

State: Colorado
County: San Miguel

Abbreviation: None
Filename: P008-000

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	P & A Drill Hole (1 at a time)	BOREHOLE	1	8.00	\$4,624
002	Regrade and replace topsoil on Drill Pads	DOZER	1	6.16	\$1,445
003	Regrade/topsoil replacement on limited access road sections	DOZER	1	0.02	\$6
004	Rip compacted areas on Drill Pads	RIPPER	1	2.37	\$558
005	Reveg pads, spot areas of access road	REVEGE	1	8.00	\$5,430
006	Mob / Demob	MOBILIZE	1	6.46	\$4,118
<u>SUBTOTALS:</u>				31.01	\$16,181

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02
Performance bond: 1.05
Job superintendent: 0.00
Profit: 10.00

Total = \$327
Total = \$170
Total = \$0
Total = \$1,618

TOTAL O & P = \$2,115

CONTRACT AMOUNT (direct + O & P) = \$18,296

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 = \$915

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$3,030

TOTAL BOND AMOUNT (direct + indirect) = \$19,211

BOREHOLE SEALING WORK

Task description: P & A Drill Hole (1 at a time)

Stateline Exploration Project
Site: (Phase 1)

Permit Action:
New App

Permit/Job#: P2025008

PROJECT IDENTIFICATION

Task #: 001 State: Colorado Abbreviation: None
Date: 7/15/2025 County: San Miguel Filename: P008-001
User: LJW

Agency or organization name: DRMS

UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Exploration hole	Bentonite seal - 4 in. (labor, equip, materials)	3.5	509	509.00	LF	\$9.09	\$4,624.27

Job Hours: 8.00

Total Cost: \$4,624.00

BULLDOZER WORKTask description: **Regrade and replace topsoil on Drill Pads**Site: **Stateline Exploration Project
(Phase 1)**

Permit Action:

New AppPermit/Job#: P2025008**PROJECT IDENTIFICATION**Task #: 002
Date: 7/15/2025
User: LJWState: Colorado
County: San MiguelAbbreviation: None
Filename: P008-002Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T LGP
Horsepower: 200
Blade Type: Straight
Attachment: 3-shank ripper
Shift Basis: 1 per day
Data Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$108.05</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$73.15</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$9.58</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$5.66</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.02</u>	<u>NA</u>
Total unit Cost/Hour:	<u>\$234.46</u>	
Total Fleet Cost/Hour:	<u>\$234.46</u>	

MATERIAL QUANTITIESInitial Volume: 1,244
Swell factor: 1.000
Loose volume: **1,244 LCY**Source of estimated volume: 12, 40x60 pads, assume 1' depthSource of estimated swell
factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feet
Unadjusted hourly
production: 444.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push
gradient: 0 %
Average site altitude: 6,450 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% Earth**Job Condition Correction Factor****Source**

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:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4539

Adjusted unit
production: 201.80 LCY/hr
Adjusted fleet
production: **201.8** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.162/LCY

Total job time: **6.16** Hours
Total job cost: **\$1,445**

BULLDOZER WORKTask description: **Regrade/topsoil replacement on limited access road sections**Site: **Stateline Exploration Project
(Phase 1)**

Permit Action:

New AppPermit/Job#: P2025008**PROJECT IDENTIFICATION**Task #: 003
Date: 7/15/2025
User: LJWState: Colorado
County: San MiguelAbbreviation: None
Filename: P008-003Agency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T LGP
Horsepower: 200
Blade Type: Straight
Attachment: 3-shank ripper
Shift Basis: 1 per day
Data Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$108.05</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$73.15</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$9.58</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$5.66</u>	<u>100</u>
Operator Cost/Hour:	<u>\$38.02</u>	<u>NA</u>
Total unit Cost/Hour:	<u>\$234.46</u>	
Total Fleet Cost/Hour:	<u>\$234.46</u>	

MATERIAL QUANTITIESInitial Volume: 5
Swell factor: 1.000
Loose volume: 5 LCYSource of estimated volume: Division of Reclamation, Mining & Safety
Source of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 0 feet
Unadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %
Average site altitude: 6,450 feetMaterial weight: 2,650 lbs/LCYWeight description: Decomposed rock - 25% Rock, 75% Earth**Job Condition Correction Factor****Source**

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:	0.700	(FND-MF)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.868	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4539

Adjusted unit
production: 201.80 LCY/hr
Adjusted fleet
production: **201.8** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)
Unit cost: \$1.162/LCY

Total job time: **0.02** Hours
Total job cost: **\$6**

BULLDOZER RIPPING WORK

Task description: Rip compacted areas on Drill Pads

Stateline Exploration Project
Site: (Phase 1)

Permit Action:

New App

Permit/Job#: P2025008

PROJECT IDENTIFICATION

Task #: 004
Date: 7/15/2025
User: LJW

State: Colorado
County: San Miguel

Abbreviation: None
Filename: P008-004

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

Basic Machine: Cat D6T LGP
Ripper Attachment: 3-Shank Ripper

Horsepower: 200
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$108.05	NA
Operating Cost/Hour:	\$73.15	100
Ripper Ownership Cost/Hour:	\$9.58	NA
Ripper Operating Cost/Hour:	\$5.66	100
Operator Cost/Hour:	\$38.02	NA
Total Unit Cost/Hour:	\$234.46	
Total Fleet Cost/Hour:	\$234.46	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 0.75 acres Rip Depth (ft): 1.00 Volume: 1,210 BCY or CCY

Source of estimated quantity: 12, 40x60 drill pads, minimal road areas if necessary

HOURLY PRODUCTION

Seismic:

Seismic Velocity: NA feet/second

Area:

Average Ripping Depth: 1.64 feet/pass
Average Ripping Width: 6.58 feet/pass
Average Ripping Length: 20.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.380 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.380 Acres/hr

Site Altitude: 6,450 feet
Altitude Adj: 1.00 (CAT HB)
Job Efficiency: 0.83 (1 shift/day)
Net Correction: 0.83 multiplier

Adjusted Hourly Unit Production: 0.32 Acres/hr

Adjusted Hourly Fleet Production: 0.32 Acres/hr

JOB TIME AND COST

Fleet size: 1 Grader(s) Total job time: 2.38 Hours

Unit cost: \$743.769 Per acre

Total job cost: **\$558**

REVEGETATION WORKTask description: Reveg pads, spot areas of access roadSite: Stateline Exploration Project
(Phase 1)Permit Action: New AppPermit/Job#: P2025008**PROJECT IDENTIFICATION**Task #: 005
Date: 7/15/2025
User: LJWState: Colorado
County: San MiguelAbbreviation: None
Filename: P008-005Agency 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
	\$
Total Tilling Cost/Acre	\$0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Bitterbrush, Antelope	9.42	2.90	\$545.08
Aster, Engleman's	1.92	9.14	\$446.03
Blue Grama - Native	1.12	18.28	\$24.46
Indian Ricegrass - Native	5.00	16.18	\$88.53
Sand Dropseed	0.22	26.26	\$2.93
Beeplant, Rocky Mountain	12.64	32.50	\$523.43
Bottlebrush Squirreldtail	6.32	27.86	\$164.40
Sandberg Bluegrass - VNS	1.16	24.63	\$17.16

Milk Vetch, Cicer - Lutana	13.98	46.54	\$140.11
Serviceberry, Utah	6.28	11.82	\$494.93
Penstemon, Palmer	0.70	15.48	\$55.86
Totals Seed Mix	58.76	231.59	\$2,502.90

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$279.08
Total Seed Application Cost/Acre	\$279.08

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered, small bale	2.00	BALE	\$20.18	\$40.36
Total Mulch Materials Cost/Acre				\$40.36

Application

Description	Cost /Acre
Place/remove hay bales	\$504.56
Total Mulch Application Cost/Acre	\$504.56

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: 1.02 Cost /Acre: \$3,326.90
 Estimated Failure Rate: 60% Cost /Acre*: \$3,326.90
 *Selected Replanting Work Items: SEEDING,MULCHING

 Initial Job Cost: **\$3,393.44**
 Reseeding Job Cost: **\$2,036.06**
 Total Job Cost: **\$5,430**
 Job Hours: **8.00**

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Mob / Demob**Site: **Stateline Exploration Project
(Phase 1)**Permit Action: **New App**Permit/Job#: **P2025008****PROJECT IDENTIFICATION**Task #: **006**
Date: **7/15/2025**
User: **LJW**State: **Colorado**
County: **San Miguel**Abbreviation: **None**
Filename: **P008-006**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:	\$21.47	\$38.32	\$48.96
Operating Cost/Hour:	\$31.47	\$60.11	\$65.86
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$22.25	\$22.25
Total Unit Cost/Hour:	\$75.46	\$143.20	\$159.59

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	28.63	\$117.63	\$143.20	1	\$260.83	\$143.20	\$250.00
ATLAS COPCO ROC D7-11,4.0 in.	0.00	\$202.99	\$75.46	1	\$278.45	\$75.46	\$250.00

Subtotals: **\$539.28** **\$218.66** **\$500.00****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.	\$22.72	1	\$22.72	\$22.72

Subtotals: **\$22.72** **\$22.72**

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	NATURITA	
Total one-way travel distance:	40.00	miles
Average Travel Speed:	65.00	mph

Total Non-Roadable Mob/Demob Cost *	\$4,089.97
** two round trips with haul rig:	
Total Roadable Mob/Demob Cost **	\$27.96
** one round trip, no haul rig:	

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	0.62	0.62
Return Time (Hours):	0.62	0.62
Loading Time (Hours):	1.00	NA
Unloading Time (Hours):	1.00	NA
Subtotals:	3.23	1.23

JOB TIME AND COST

Total job time:	6.46	Hours
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Total job cost:	\$4,118
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