



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

March 29, 2024

Tim Brown  
PO Box 776  
South Fork, CO 81154

**Re: Maybell Uranium Exploration Project, Notice of Intent to Conduct Exploration  
(NOI) Application # P-2024-004  
Notice of Deficiency #2**

Dear Tim Brown:

On March 19, 2024 the Division of Reclamation, Mining and Safety (Division) deemed your Notice of Intent to Conduct Exploration Operations package Complete for the Maybell Uranium Exploration Project located in Moffat County. The Division has reviewed the revised application materials that were submitted and deemed the information deficient. Please review and provide the following information for the Division's review:

- With receipt of the minimum required Financial Warranty of \$2,000.00 per acre as required per Rule 5.3.3(1), the Division has performed a review to ensure the total amount of \$10,000.00 received is sufficient to ensure reclamation efforts can be completed if the work were to be done by the Division. Based on the Division's reclamation cost estimate (attached), the current Financial Warranty held is insufficient. The Division's reclamation cost estimate is based on the *worst-case-scenario* of the proposed disturbance as provided in the Maybell Uranium Exploration Project application, most notably under Section IV.4. The total amount of this estimate (attached) is \$139,747.00. **Based on the materials submitted and the \$10,000.00 currently held by the Division, the additional bond amount of \$129,747.00 must be posted prior to the Division accepting your Notice pursuant to C.R.S 34-32.5-113(4)(a).**

**PLEASE NOTE THAT PROSPECTING OPERATIONS MAY NOT COMMENCE UNTIL A PERMIT HAS BEEN APPROVED BY THE DIVISION AFTER RECEIPT AND VERIFICATION OF THE FINANCIAL BY THE DIVISION.**

If you require additional information, or have questions or concerns, please feel free to contact me.

Sincerely,

Zach Trujillo  
Environmental Protection Specialist



(303) 866-3567 ext. 8164

## COST SUMMARY WORK

Task description: Reclaim Maybell Uranium NOI

Site: Maybell Uranium  
Exploration Project

Permit Action:

NOI

Permit/Job#: P2024004

### PROJECT IDENTIFICATION

Task #: 000

State: Colorado

Abbreviation: None

Date: 3/29/2024

County: Moffat

Filename: P004-000

User: ZTT

Agency or organization name: DRMS

### TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
001	Seal 40 Boreholes	BOREHOLE	1	150.00	\$99,488
002	Regrade Mud Pits	DOZER	1	1.27	\$561
003	Rip/Regrade Topsoil at Total Disturbance (6" avg. @ 4.54ac)	DOZER	1	0.66	\$298
004	Seed Mix	REVEGE	1	9.00	\$2,973
005	Remove Drill Fluids and Lubricants	DEMOLISH	1	2.00	\$862
006	Mob/Demob Equipment	MOBILIZE	1	3.81	\$3,744
<b><u>SUBTOTALS:</u></b>				<b>166.74</b>	<b>\$107,926</b>

### INDIRECT COSTS

#### OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$2,180

Performance bond: 1.05

Total = \$1,133

Job superintendent: 83.37

Total = \$5,426

Profit: 10.00

Total = \$10,793

TOTAL O & P = \$19,532

CONTRACT AMOUNT (direct + O & P) = \$127,458

#### LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): \$500

Total = \$500

Engineering work and/or contract/bid preparation: 4.25

Total = \$5,417

Reclamation management and/or administration: 5.00

\$6,373

CONTINGENCY: 0.00

Total = \$0

TOTAL INDIRECT COST = \$31,821

**TOTAL BOND AMOUNT (direct + indirect) = \$139,747**

## BOREHOLE SEALING WORK

Task description: Seal 40 Boreholes

Site: Maybell Uranium  
Exploration Project

Permit Action: NOI

Permit/Job#: P2024004

### PROJECT IDENTIFICATION

Task #: 001  
Date: 3/29/2024  
User: ZTT

State: Colorado  
County: Moffat

Abbreviation: None  
Filename: P004-001

Agency or organization name: DRMS

### UNIT COSTS

Borehole Description	Sealing/Item Method	Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
Fill 40 Boreholes w/Cement - 70%	Portland cement grout - 6 in. (labor, equip, materials)	5.5	375	10,500.00	LF	\$6.22	\$65,336.25
Fill 40 Boreholes w/Bentonite - 30%	Bentonite seal - 6 in. (labor, equip, materials)	5.5	375	4,500.00	LF	\$7.24	\$32,591.25
Borehole Markers	Borehole location/identification marker (EA, material cost only)	N/A	N/A	40.00	EA	\$39.00	\$1,560.00

Job Hours: 150.00

Total Cost: \$99,488.00

**BULLDOZER WORK**Task description: Regrade Mud Pits

Site: Maybell Uranium Exploration Project Permit Action: NOI Permit/Job#: P2024004

**PROJECT IDENTIFICATION**

Task #: 002 State: Colorado Abbreviation: None  
Date: 3/29/2024 County: Moffat Filename: P004-002  
User: ZTT

Agency or organization name: DRMS**HOURLY EQUIPMENT COST**

Basic Machine: Cat D8T - 8SU  
Horsepower: 310  
Blade Type: Semi-Universal  
Attachment: 3-shank ripper  
Shift Basis: 1 per day  
Data Source: (CRG)

**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	<u>\$241.38</u>	<u>NA</u>
Operating Cost/Hour:	<u>\$143.92</u>	<u>100</u>
Ripper own. Cost/Hour:	<u>\$14.11</u>	<u>NA</u>
Ripper op. Cost/Hour:	<u>\$0.00</u>	<u>0</u>
Operator Cost/Hour:	<u>\$41.30</u>	<u>NA</u>
Total unit Cost/Hour:	<u>\$440.71</u>	
Total Fleet Cost/Hour:	<u><b>\$440.71</b></u>	

**MATERIAL QUANTITIES**

Initial Volume: 1,200  
Swell factor: 1.000  
Loose volume: **1,200 LCY**

Source of estimated volume: Division of Reclamation, Mining & Safety  
Source of estimated swell factor: Cat Handbook

**HOURLY PRODUCTION**

Average push distance: 50 feet  
Unadjusted hourly production: 1,400.0 LCY/hr

Materials consistency description: Loose stockpile 1.2

Average push gradient: 0 %  
Average site altitude: 6,000 feet

Material weight: 2,550 lbs/LCYWeight description: Earth - Dry packed

<u>Job Condition Correction Factor</u>		<u>Source</u>
Operator Skill:	<u>0.750</u>	<u>(AVG.)</u>
Material consistency:	<u>1.200</u>	<u>(CAT HB)</u>
Dozing method:	<u>1.000</u>	<u>(GEN.)</u>

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.6738

Adjusted unit production: 943.32 LCY/hr

Adjusted fleet production: **943.32** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.467/LCY

Total job time: **1.27** Hours

Total job cost: **\$561**

**BULLDOZER WORK**Task description: Rip/Regrade Topsoil at Total Disturbance (6" avg. @ 4.54ac)Site: Maybell Uranium  
Exploration ProjectPermit Action: NOIPermit/Job#: P2024004**PROJECT IDENTIFICATION**Task #: 003State: ColoradoAbbreviation: NoneDate: 3/29/2024County: MoffatFilename: P004-003User: ZTTAgency 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:	\$241.38	NA
Operating Cost/Hour:	\$143.92	100
Ripper own. Cost/Hour:	\$14.11	NA
Ripper op. Cost/Hour:	\$7.45	100
Operator Cost/Hour:	\$41.30	NA

Total unit Cost/Hour: \$448.16Total Fleet Cost/Hour: **\$448.16****MATERIAL QUANTITIES**Initial Volume: 1,000Swell factor: 1.000Loose volume: **1,000 LCY**Source of estimated volume: Division of Reclamation, Mining & SafetySource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 1,400.0 LCY/hrMaterials consistency description: Loose stockpile 1.2Average push gradient: 0 %Average site altitude: 6,000 feetMaterial weight: 1,600 lbs/LCYWeight description: Top Soil**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:	1.000	(DOZ-OC)
Push gradient:	1.000	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 1.0742

Adjusted unit production: 1,503.88 LCY/hr

Adjusted fleet production: **1503.88** LCY/hr

### **JOB TIME AND COST**

Fleet size: 1 Dozer(s)

Unit cost: \$0.298/LCY

Total job time: **0.66** Hours

Total job cost: **\$298**



**REVEGETATION WORK**Task description: Seed MixSite: Maybell Uranium  
Exploration Project

Permit Action:

NOIPermit/Job#: P2024004**PROJECT IDENTIFICATION**Task #: 004State: ColoradoAbbreviation: NoneDate: 3/29/2024County: MoffatFilename: P004-004User: ZTTAgency or organization name: DRMS**FERTILIZING****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Fertilizer Application Cost/Acre</b>	<b>\$0.00</b>

**TILLING**

Description	Cost /Acre
	\$
<b>Total Tilling Cost/Acre</b>	<b>\$0.00</b>

**SEEDING**

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Crested Wheatgrass - Standard	3.00	13.77	\$12.45
Intermediate Wheatgrass - Rush	7.00	14.94	\$19.60
Pubescent Wheatgrass - Luna	7.00	14.46	\$23.80
<b>Totals Seed Mix</b>	<b>17.00</b>	<b>43.18</b>	<b>\$55.85</b>

**Application**

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Description	Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)	\$468.00
<b>Total Seed Application Cost/Acre</b>	<b>\$468.00</b>

**MULCHING and MISCELLANEOUS****Materials**

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

**Application**

Description	Cost /Acre
	\$
<b>Total Mulch Application Cost/Acre</b>	<b>\$0.00</b>

**NURSERY STOCK PLANTING**

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

**JOB TIME AND COST**

No. of Acres:	4.54	Cost /Acre:	\$523.85
Estimated Failure Rate:	25%	Cost /Acre*:	\$523.85
*Selected Replanting Work Items:	SEEDING		
Initial Job Cost:	<b>\$2,378.28</b>		
Reseeding Job Cost:	<b>\$594.57</b>		
Total Job Cost:	<b>\$2,973</b>		
Job Hours:	<b>9.00</b>		

DEMOLITION WORK

Task description: Remove Drill Fluids and Lubricants

Site: Maybell Uranium Exploration Project Permit Action: NOI Permit/Job#: P2024004

PROJECT IDENTIFICATION

Task #: 005 State: Colorado Abbreviation: None  
Date: 3/29/2024 County: Moffat Filename: P004-005  
User: ZTT

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 89.80 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Remove Drill Fluids and Lubricants	N/A	Liquid pickup - 55 gal. drums (non-leaking drums only)	4.00	EA	\$240.00	\$960.00

Job Hours: 0.00 Subtotal (unadjusted): \$960.00 Total Cost (adjusted for location): \$862.08

**EQUIPMENT MOBILIZATION/DEMOBILIZATION**Task description: **Mob/Demob Equipment**Site: **Maybell Uranium**  
**Exploration Project**

Permit Action:

**NOI**Permit/Job#: **P2024004****PROJECT IDENTIFICATION**Task #: **006**State: **Colorado**Abbreviation: **None**Date: **3/29/2024**County: **Moffat**Filename: **P004-006**User: **ZTT**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:	\$20.26	\$36.04	\$47.05
Operating Cost/Hour:	\$39.51	\$76.08	\$82.85
Operator Cost/Hour:	\$22.52	\$22.52	\$22.52
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$82.29	\$158.17	\$175.95

**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
Water Tanker, 5,000 Gal.	15.00	\$57.13	\$82.29	1	\$139.42	\$82.29	\$250.00
Cat D8T - 8SU	53.08	\$255.49	\$175.95	1	\$431.44	\$175.95	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.73	\$82.29	1	\$89.02	\$82.29	\$250.00

Subtotals: **\$659.88** **\$340.53** **\$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.	\$15.83	1	\$15.83	\$15.83

Subtotals: **\$15.83** **\$15.83**

**EQUIPMENT HAUL DISTANCE and Time**

Nearest Major City or Town within project area region:	<u>CRAIG</u>	
Total one-way travel distance:	<u>25.00</u>	miles
Average Travel Speed:	<u>55.00</u>	mph

Total Non-Roadable Mob/Demob Cost *	<u>\$3,729.22</u>
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    \*\* two round trips with haul rig:

Total Roadable Mob/Demob Cost **	<u>\$14.39</u>
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    \*\* one round trip, no haul rig:

**Transportation Cycle Time:**

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>0.45</u>	<u>0.45</u>
Return Time (Hours):	<u>0.45</u>	<u>0.45</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>1.91</u>	<u>0.91</u>

**JOB TIME AND COST**

Total job time:	<u>3.82</u>	Hours
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Total job cost:	<u>\$3,744</u>
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