

Armstrong - DNR, Ursula <ursula.armstrong@state.co.us>

J-Rude Pit (M-1989-009) Inspection Report

1 message

Armstrong - DNR, Ursula <ursula.armstrong@state.co.us> To: jrudeinc@outlook.com Cc: "Eschberger - DNR, Amy" <amy.eschberger@state.co.us> Fri, Oct 18, 2024 at 12:06 PM

Hi Rudy,

Attached is the inspection report from 9/24 inspection at the J-Rude Site (M-1989-009). There are also a few files enclosed with the report. I also set up a short call through Google Meet at 1:30pm today. You should be able to join that call with your phone. Amy and I will both be on the call.

If this time doesn't work for you, please let me know another time that works for you.

Ursula Armstrong Environmental Protection Specialist Active Mines Program



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

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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:	MINE/PROSPECTING ID#:	MINERAL:	COUNTY:
J-Rude Site	M-1989-009	Sand and clay (general)	Prowers
INSPECTION TYPE:	WEATHER:	INSP. DATE:	INSP. TIME:
Monitoring	Clear	September 24, 2024	14:15
OPERATOR:	OPERATOR REPRESENTATIVE:	TYPE OF OPERATIO	N:
J-Rude Inc	Rudy Torres	110c - Construction Lim	ited Impact

REASON FOR INSPECTION:		BOND CALCULATION TYPE:	BOND AMOUNT:
Normal I&E Program		Complete Bond	\$800.00
DATE OF COMPLAINT:		POST INSP. CONTACTS:	JOINT INSP. AGENCY:
NA		None	None
INSPECTOR(S):	INSPECTOR'S SIGNATURE:		SIGNATURE DATE:
Ursula Armstrong		/ 1	October 18, 2024
Amy Eschberger	Vuela Hourson		

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: Signs & Markers

PROBLEM #1: A proper mine identification sign was not posted at the entrance of the mine site. This is a problem for failure to post a mine identification sign in accordance with Rule 3.1.12(1).

CORRECTIVE ACTIONS: The Operator shall, at the entrance of the mine site post a sign, which shall be clearly visible from the access road, with a minimum size equaling one hundred and eighty-seven (187) square inches, such as eleven (11) inches in height and seventeen (17) inches in width, with appropriate font size, with the following: the name of the Operator, the operation name, a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board, and the permit number. The operator shall submit photo documentation that a proper sign has been posted by the corrective action date. **CORRECTIVE ACTION DUE DATE:** November 17, 2024

INSPECTION TOPIC: Signs & Markers

PROBLEM #2: The affected area boundary markers are missing or incorrectly placed. This is a problem for failure to maintain boundary markers around the affected area as required by Rule 3.1.12(2).

CORRECTIVE ACTIONS: The operator shall conduct a survey and replace the boundary markers in the correct location(s). The operator shall provide proof to the Division that this has been done by the corrective action date. Such proof shall be in the form of photo documentation and GPS coordinates of the boundary markers.

CORRECTIVE ACTION DUE DATE: November 17, 2024

INSPECTION TOPIC: Gen. Compliance With Mine Plan

PROBLEM #3: The current mining plan map needs to be updated to meet all requirements of Rules 6.2.1(2) and 6.3.5 and depict the approved permit boundary

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update the current approved mining plan map in accordance with Rules 6.2.1(2) and 6.3.5 by the corrective action date.

CORRECTIVE ACTION DUE DATE: November 17, 2024

INSPECTION TOPIC: Reclamation Success

PROBLEM #4: Failure to follow approved reclamation plan or current reclamation plan needs to be updated and clarified pursuant to C.R.S. 34-32.5-116 and Rule 6.3.4. The operator must follow approved reclamation plan or provide sufficient information to describe or identify how the operator intends to conduct reclamation. Specifically, the reclamation plan needs to be updated to clarify the intended post-mining land use(s) and reclamation for the site. Additionally, the reclamation plan map must be updated to meet the requirements of Rules 6.2.1(2) and 6.3.5 and depict the approved permit boundary.

CORRECTIVE ACTIONS: The operator shall submit a Technical Revision, with the required \$216 revision fee, to update and clarify the current approved reclamation plan in accordance with Rule 6.3.4 to reflect existing and proposed activities by the corrective action date. Additionally, the revision must include an updated reclamation plan map in accordance with Rule 6.2.1(2) and 6.3.5. (This corrective action can be addressed through the same Technical Revision submittal required by Problem #3.)

CORRECTIVE ACTION DUE DATE: November 17, 2024

INSPECTION TOPIC: Financial Warranty

PROBLEM #5: The financial warranty is not adequate to reclaim the site in accordance with the approved reclamation plan. This is a failure to maintain the proper financial warranty amount to complete reclamation of the affected lands pursuant to C.R.S. 34-32.5-117(4)(b) and Rule 4.2.1(1).

CORRECTIVE ACTIONS: The operator shall review the enclosed bond estimate and provide any comments by the corrective action deadline. If, by the corrective action deadline, no comments have been received, the Division will send a separate surety increase notice to the operator regarding the increase of the financial warranty. The operator will have 60 days from the date on the surety increase notice to post the additional financial warranty.

CORRECTIVE ACTION DUE DATE: November 1, 2024

OBSERVATIONS

This was a normal monitoring inspection of the J-Rude Site (Permit No. M-1989-009) conducted by Ursula Armstrong and Amy Eschberger of the Division of Reclamation, Mining and Safety (Division). The operator was represented by Mr. Rudy Torres during the inspection. The site is located approximately ½ mile south of Lamar, CO in Prowers County. Access to this site is from the north off Co Rd Ff. The affected lands are owned by the operator. The site is situated in an area of sagebrush-covered sand hills. **Photos 1-6** taken during the inspection are included with this report.

This is a 110c operation permitted for 4 acres to mine blow sand and clay to be used for fill material off site. The permit area had consisted of two separate 4-acre blocks, one located in the northwestern corner of the property, and the other located in the southeastern corner of the property. However, the Division approved an Acreage Reduction request (AR-1) in 2015 which released the southeastern 4 acres, leaving only the northwestern 4 acres in the permit area. The operation is mining the sand hills, leveling them to approximately the same grade as the surrounding lands. The approved post-mining land use for the site is industrial/commercial. However, the reclamation plan does not specify how the site will be prepared for industrial/commercial use. The approved reclamation plan includes grading disturbed slopes to 3H:1V or flatter, mixing manure into the soil to create a growth medium, and revegetating the site with a grass seed mixture consisting of Sideoats grama, Switchgrass, and Sand bluestem.

At the time of the inspection, the weather was clear, warm, and dry. A permit sign was posted at the entrance to the site off Co Rd Ff. The permit sign has the name of the operator, the operation name, and the permit number. However, it does not include a statement that a reclamation permit for the operation has been issued by the Colorado Mined Land Reclamation Board, as required by Rule 3.1.12(1). A problem is cited for this issue; see Problem #1 in this report for the required corrective actions.

The four corners of the 4-acre permit boundary were marked with PVC pipes. The Division was unable to collect GPS data from all boundary markers due to the dense vegetation and high rattlesnake activity in the area. The Division did collect GPS coordinates for the southwestern corner marker. However, this location appears to be approximately 100 feet east and 100 feet south of where the Division believes the southwestern corner should be located based on approved maps. After the inspection, the operator sent the Division GPS coordinates for what they indicated was the southeastern permit boundary corner. However, this point plots closer to the southwestern corner marker, and it does not correlate with the location of the southeastern corner marker observed during the inspection. A Google Earth image of the site that depicts the information described above is enclosed with this report. The boundaries of the affected area must be marked by monuments or other markers that are clearly visible and adequate to delineate such boundary, it appears that some or all of the markers are not in the correct location. A problem is cited for this issue; see Problem #2 in this report for the required corrective actions.

The site was not active during the inspection. However, additional disturbances have been created at the site since the Division last inspected it on September 12, 2019. The horseshoe-shaped pit has been expanded to the south. The pit wall is approximately 300 feet in length and 10 feet in height, with near vertical slope gradients. No product stockpiles or mining equipment were present on site. The pit area is mostly bare in vegetative cover, with some sparse weed growth consisting primarily of Russian thistle and wild sunflowers. There are a few brush piles stored in the western portion of the permit area, near the access road. The operator explained to the Division these brush piles help discourage the public from illegally dumping trash in the pit. The operator is not approved to use this material for reclamation of the mine. After conducting the 2019 inspection, the Division

estimated the unreclaimed disturbance at the site to cover 0.2 acre. After conducting the recent inspection, the Division estimates current disturbance to cover approximately 1.5 acres.

After AR-1 was approved in 2015 reducing the permit area to 4 acres (see enclosed AR-1 map showing area released), a Technical Revision was never submitted to update the mining and reclamation plan maps to reflect the new permit boundary. A review of the permit file indicates the most recently approved maps for the site were submitted with the original permit application approved in 1989 (see enclosed site map approved with original application). The operator will need to submit a Technical Revision (see enclosed form) to provide updated mining and reclamation plan maps that meet the requirements of Rules 6.2.1(2) and 6.3.5 (for a 110c permit) and reflect the current 4-acre permit boundary. A problem is cited for this issue; see Problems #3 and #4 in this report for the required corrective actions.

In its May 13, 2015 inspection report, the Division noted a discrepancy between the approved post-mining land use for the site, which is industrial/commercial, and the site reclamation plan, which correlates more with a rangeland use. The permit is not clear what industrial/commercial uses are intended for the site and whether the area is even zoned for these uses. In its 2015 inspection report, the Division determined that adding the post-mining land use of rangeland to this permit could be achieved through a Technical Revision submittal (rather than an Amendment), as this change would not have a significant effect upon the approved or proposed mining plan or reclamation plan. The Division will continue to honor this determination, unless the details of the proposal were to change significantly. <u>Therefore, the discrepancy between the approved post-mining land use (industrial/commercial) and reclamation plan (rangeland) can be addressed by submitting a Technical Revision to update the reclamation plan and map to clarify the intended post-mining land use(s) and reclamation for the site. A problem is cited for this issue; see Problem #4 in this report for the required corrective actions. (The operator can address these corrective actions through the same Technical Revision submittal required for Problem #3.)</u>

After conducting the inspection, the Division recalculated the required financial warranty for reclaiming the 1.5 acres of current disturbance at the site in accordance with the approved reclamation plan (see enclosed bond estimate). The Division estimates the required financial warranty to be in the amount of \$12,288.00, which is \$11,488.00 more than the currently held amount of \$800.00. A problem is cited for this issue; please see Problem #4 in this report for the required corrective actions. The operator will have a chance to review the Division's bond estimate and provide any comments prior to a Surety Increase being issued for the site. Once the Surety Increase is issued, the operator will have 60 days to submit the additional required financial warranty.

During the inspection, the operator inquired about transferring the mine permit to a new operator and increasing the permit area to more than 10 acres. The Division informed the operator that to transfer the permit, the operator will need to submit a Request for Transfer of Mineral Permit and Succession of Operators application (\$144.00 fee). The Division also informed the operator that to expand the permit area to 10 acres or more, a Conversion application (\$2,696.00 fee) will need to be submitted to convert the 110c permit to a 112c permit. These forms can be downloaded from the Division's website at https://drms.colorado.gov/forms/minerals-program-forms.

This concludes the report.

Any questions or comments regarding this inspection report should be forwarded to Ursula Armstrong at the Colorado Division of Reclamation, Mining and Safety, 1313 Sherman Street, Room 215, Denver, CO 80203, via telephone at 720-793-3031, or via email at <u>ursula.armstrong@state.co.us</u>.

PHOTOGRAPHS



Photo 1. View looking west showing the posted mine identification sign.



Photo 2. View looking west at the southwestern PVC permit boundary marker.

PERMIT #: M-1989-009 INSPECTOR'S INITIALS: UEA, AME INSPECTION DATE: September 24, 2024



Photo 3. View looking southeast across recent disturbance near center of permit area. Note this area is mostly bare in vegetative cover and includes pit walls in a horseshoe-shaped pattern.



Photo 4. Above view of the recent disturbance area shown in Photo 3 (looking north).



Photo 5. View looking west at the western section of the pit highwall. Note the brush piles in the western area (circled).



Photo 6. View looking northeast at the eastern section of the pit highwall.

GENERAL INSPECTION TOPICS

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

(AR) RECORDS <u>Y</u>	(FN) FINANCIAL WARRANTY PB	(RD) ROADS <u>Y</u>
(HB) HYDROLOGIC BALANCE Y	(BG) BACKFILL & GRADING <u>Y</u>	(EX) EXPLOSIVES <u>N</u>
(PW) PROCESSING WASTE/TAILING <u>N</u>	(SF) PROCESSING FACILITIES <u>N</u>	(TS) TOPSOIL <u>N</u>
(MP) GENL MINE PLAN COMPLIANCE- <u>PB</u>	(FW) FISH & WILDLIFE <u>N</u>	(RV) REVEGETATION <u>N</u>
(SM) SIGNS AND MARKERS <u>2PB</u>	(SP) STORM WATER MGT PLAN Y	(RS) RECL PLAN/COMP PB
(ES) OVERBURDEN/DEV. WASTE <u>N</u>	(SC) EROSION/SEDIMENTATION Y	(ST) STIPULATIONS <u>N</u>
(AT) ACID OR TOXIC MATERIALS <u>N</u>	(OD) OFF-SITE DAMAGE <u>N</u>	

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

Inspection Contact Address

Rudy Torres J-Rude Inc 1750 Rd. HH Lamar, CO 81052

Encl(s): Google Earth image of site AR-1 map showing area released in 2015 Site map submitted with original application in 1989 Technical revision form Division's bond estimate

CC: Amy Eschberger, DRMS

M-1989-009 / J-Rude Site / J-Rude Inc. (Image data from 5/8/2023)

FF

Purple Outline = 1.5 acres = Estimated disturbance (as of 9/24/2024 inspection) Yellow Line = 300 feet = Estimated highwall length (as of 9/24/2024 inspection) Yellow Thumbtack = Location of SW corner boundary marker (GPS data collected by DRMS) Green Thumbtack = Location of SE corner boundary marker (GPS data provided by Operator) Red Outline = Approximate location of 4 acre permit area based on approved maps Pink Outline = Approximate location of 4 acre permit area based on SW corner boundary marker

SW corner marker (DRMS)

SE corner marker (Op)

Google Earth

mage © 2024 Airbus

FF

North



Walker Land

County Road County Road Leve Nerded FORA Building FURARE 4 Acres Road in 20 Cut Hill X 4 ACRES Access Ku nilading-15" HILL X LOUFT 3 A (KeRS Extention derection .North)- Fudelinc 19/336-5871 Still + 30' HROSS Verti-Dewitts (... HU) South EAST (... MU) South EAST EAST EAST EAST EAST EAST EAST EAST EAST 10 SERVICE r F 30 High Hill 2001 × 3001 0065 N373 WALKERS



COLORADO DIVISION OF RECLAMATION, MINING AND SAFETY

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

REQUEST FOR TECHNICAL REVISION (TR) COVER SHEET

File No.: M	Site Name:	
County	TR#	(DRMS Use only)
Permittee:		
Operator (If Other than Permit	ee):	
Permittee Representative:		
Please provide a brief descripti	on of the proposed revision:	

As defined by the Minerals Rules, a Technical Revision (TR) is: "a change in the permit or application which does not have more than a minor effect upon the approved or proposed Reclamation or Environmental Protection Plan." The Division is charged with determining if the revision as submitted meets this definition. If the Division determines that the proposed revision is beyond the scope of a TR, the Division may require the submittal of a permit amendment to make the required or desired changes to the permit.

The request for a TR is not considered "filed for review" until the appropriate fee is received by the Division (as listed below by permit type). Please submit the appropriate fee with your request to expedite the review process. After the TR is submitted with the appropriate fee, the Division will determine if it is approvable within 30 days. If the Division requires additional information to approve a TR, you will be notified of specific deficiencies that will need to be addressed. If at the end of the 30 day review period there are still outstanding deficiencies, the Division must deny the TR unless the permittee requests additional time, in writing, to provide the required information.

There is no pre-defined format for the submittal of a TR; however, it is up to the permittee to provide sufficient information to the Division to approve the TR request, including updated mining and reclamation plan maps that accurately depict the changes proposed in the requested TR.

Required Fees for Technical Revision by Permit Type - Please mark the correct fee and submit it with your request for a Technical Revision.

<u>Permit Type</u>	Required TR Fee	Submitted (mark only one)
110c, 111, 112 construction materials, and 112 quarries	\$216	
112 hard rock (not DMO)	\$175	
110d, 112d(1, 2 or 3)	\$1006	

COST SUMMARY WORK

Та	isk descrip	tion: <u>C</u>	ost Summary					
Site:	J-Rude Si	ite	Pei	rmit Action:	9-24-2024 Insp	ection	Permit/Jol	b#: <u>M1989009</u>
<u>PR</u>	OJECT]	IDENTIFICAT	<u>TION</u>					
	Task #:	000	State:	Colorado			Abbreviation:	None
	Date:	10/17/2024	County:	Prowers			Filename:	M009-000
	User:	UEA						
<u>TA</u>	Age <u>SK LIST</u>	ncy or organizati	on name: <u>DR</u> (STS)	<u>tms</u>				
Task	ь .				Form	Fleet	Task	Cant
001	Descrip	tion	3.7		Used	Size	Hours	
001	Backfill	highwall to 3H:1	<u>V</u>		DOZER	1	1.43	\$298
002	Rip con	pacted areas			RIPPER	1	2.54	\$566
003	Spread	growth medium of	n 1.5 acre		DOZER	1	5.06	\$1,051
004	Reveget	ate 1.5 acre			REVEGE	1	0.75	\$5,310
005	Mobiliz	ation/Demobiliza	tion		MOBILIZE	1	2.08	\$1.902

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance:	2.02	Total =	\$184
Performance bond:	1.05	Total =	\$96
Job superintendent:	5.93	Total =	\$470
Profit:	10.00	Total =	\$913
		TOTAL O & P =	\$1,663
		CONTRACT AMOUNT (direct + O & P) =	\$10,790

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs):	\$500	Total =	\$500
Engineering work and/or contract/bid preparation:	4.25	Total =	\$459
Reclamation management and/or administration:	5.00		\$539
CONTINGENCY:	0.00	Total =	\$0
		TOTAL INDIRECT COST =	\$3,161

SUBTOTALS:

11.86

\$9,127

BULLDOZER WORK

	Permit Ac	tion: <u>9-24-2024</u> Inspection	n Permit/Jo	b#: <u>M1989009</u>
ROJECT IDENTIFI	CATION			
Task #: 001	State: Color	rado	Abbreviation	None
Date: $10/17/2024$	County: Prove	ers	Filename:	M009-001
User: UEA	County:		T Hendine.	111009 001
A gency or organ	nization name: DRMS			
regency of organ				
IOURLY EQUIPME	NT COST			
Basic Machine: Cat	D7R DS Series II LGP			
Horsepower: 240)			
Blade Type: Stra	aight			
Shift Basis: 1 n	er dav			
Data Source: (CI	G			
ost Breakdown:		Litilization 0/		
Ownership Cost/Hour	\$90	.24 NA		
Operating Cost/Hour:	\$78.	.95 100		
Ripper own.	\$70.	00 NIA		
Cost/Hour:	\$0.	.00 NA		
Ripper op. Cost/Hour:	\$0.	.00 0		
Operator Cost/Hour:	\$38.	.59 NA		
Total unit Cost/Hour	\$207 78			
Total Elect Cost/Hour	\$207.78			
	\$207.70			
1ATERIAL OUANTI	ITIES			
1ATERIAL QUANTI	<u>ITIES</u>			
Initial Volume: 417	ITIES			
IATERIAL QUANTI Initial Volume: 417 Swell factor: 1.18	0 LCV			
Initial Volume:417Swell factor:1.18Loose volume:492	ITIES 0 LCY			
IATERIAL QUANTI Initial Volume: 417 Swell factor: 1.18 Loose volume: 492 Source of estimated volu	0 LCY ume: 9/24/2024 inspect	ction, 10 ft H, 300 ft L		
Initial Volume: 417 Swell factor: 1.18 Loose volume: 492 Source of estimated volu Source of estimated swell	ITIES 0 LCY ume: <u>9/24/2024 inspec</u> Il Cat Handbook	ction, 10 ft H, 300 ft L		
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IATERIAL QUANTI Initial Volume: 417 Swell factor: 1.18 Loose volume: 492 Source of estimated volu 5000000000000000000000000000000000000	0 LCY ume: 9/24/2024 inspect II Cat Handbook ION	ed		

Material consistency:	0.900	(CAT HB))
Dozing method:	1.100	(50% SL)
Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	1.000	(DOZ-OC)
Push gradient:	1.225	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.568	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4288

Adjusted unit	343.04 LCY/hr
Adjusted fleet	343.04 I CV/br
production:	343.04 LC 1/III

JOB TIME AND COST

Fleet size:	1 Dozer(s)
Unit cost:	\$0.606/LCY

Total job time:	1.43 Hours
Total job cost:	\$298

BULLDOZER RIPPING WORK

	Rip compacted areas						
Site: J-Rude Site	Permit A	Action:	9-24-2024 In	spection	Permit/Jol	b#: <u>M19890</u>	09
PROJECT IDEN	TIFICATION						
Task #: 002	State: Col	lorado		Ab	breviation:	None	
Date: 10/17	7/2024 County: Pro	owers			Filename:	M009-002	
User: <u>UEA</u>	L						
Agency or	organization name: <u>DRMS</u>						-
HOURLY EQUI	PMENT COST						
Basic Ma	achine: Cat D7R DS Series I	I LGP		Horsepower		240	
Ripper Attac	hment: 3-Shank Ripper		_	Shift Basis	1 p	oer day	
				Data Source	((CRG)	
Cost Breakdown:							
				Utilization %			
(Ownership Cost/Hour:		\$90.24	NA			
	Operating Cost/Hour:		\$78.95	100			
Ripper (Ownership Cost/Hour:		\$9.25	<u>NA</u>			
Ripper	Operating Cost/Hour:		\$3.20 \$38.50	100 N A			
	Total Unit Cost/Hour:		\$30.39	INA			
			\$222.23				
Ţ	Total Fleet Cost/Hour:	\$222.	23				
mic: <u>NA</u> area: <u>1.50</u> S	acres Rip Dept	olume: th (ft): 9-24-202	NA 2.00 24 inspection.	BCY Volume	: 4,840	NA	BCY or 0
	I J			1.3 ac pit 100	1 and 10au		
HOURLY PROD	UCTION		<u> </u>	1.5 ac pit 1100			
HOURLY PROD	DUCTION			1.5 ac pit 1100			-
HOURLY PROD Seismic:	<u>DUCTION</u> Seismic Velocity:		NA	feet/s	econd		
HOURLY PROD Seismic:	DUCTION Seismic Velocity:		NA	feet/s	econd		
HOURLY PROD Seismic: Area:	DUCTION Seismic Velocity:		NA 2 45	feet/s	econd		
HOURLY PROD Seismic: Area:	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width:		NA 2.45 6.50	feet/s	econd ass		
HOURLY PROD Seismic: Area:	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length:		NA 2.45 6.50 200.00	feet/s feet/p feet/p feet/p	econd ass ass ass		
HOURLY PROD Seismic: Area:	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed:		NA 2.45 6.50 200.00 88.00	feet/s feet/p feet/p feet/p feet/n	econd ass ass ass ninute		
HOURLY PROD Seismic: Area:	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time:		NA 2.45 6.50 200.00 88.00 0.25	feet/s feet/p feet/p feet/p feet/n feet/n minut	econd ass ass ass ninute res/pass		
HOURLY PROD Seismic: Area:	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area:		NA 2.45 6.50 200.00 88.00 0.25 0.710	feet/s feet/p feet/p feet/p feet/p feet/n acres/	econd ass ass ass ninute res/pass 'hour		
HOURLY PROD Seismic: Area: Job Condition Corre	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: section Factors		NA 2.45 6.50 200.00 88.00 0.25 0.710	feet/s feet/p feet/p feet/p feet/n feet/n acres/	econd ass ass ass ninute res/pass hour		
HOURLY PROD Seismic: Area: Job Condition Corre Unadj	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Ripping Length: Average Maneuver Time: Production per unit area: <u>ection Factors</u> Justed Hourly Unit Production:		NA 2.45 6.50 200.00 88.00 0.25 0.710 0.710	feet/s feet/p feet/p feet/p feet/p feet/n acres/	econd ass ass ass ninute res/pass 'hour /hr		
HOURLY PROD Seismic: Area: Job Condition Correy Unadj	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: ection Factors justed Hourly Unit Production: Site Altitude:		NA 2.45 6.50 200.00 88.00 0.25 0.710 0.710 3,700	feet/s feet/s feet/p feet/p feet/p feet/n feet/n feet/n feet/n feet/n feet/n feet/n feet/n	econd ass ass ass ninute res/pass 'hour /hr		
HOURLY PROD Seismic: Area: Job Condition Corree Unadj	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: section Factors justed Hourly Unit Production: Site Altitude: Altitude Adj:		NA 2.45 6.50 200.00 88.00 0.25 0.710 0.710 3,700 1.00 0.82	feet/p fe	econd ass ass ass ninute res/pass hour /hr /hr		
HOURLY PROD Seismic: Area: Job Condition Corree Unadj	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: section Factors justed Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction:		NA 2.45 6.50 200.00 88.00 0.25 0.710 0.710 3,700 1.00 0.83 0.83	feet/s feet/s feet/p feet/p feet/p feet/n feet	econd ass ass ass ninute res/pass 'hour /hr /hr ft/day)		
HOURLY PROD Seismic: Area: Job Condition Correa Unadj	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: ection Factors justed Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction:		NA 2.45 6.50 200.00 88.00 0.25 0.710 0.710 3,700 1.00 0.83 0.83	feet/s feet/s feet/p feet/p feet/p feet/n feet	econd ass ass ass ninute res/pass 'hour /hr /HB) ft/day) plier		
HOURLY PROD Seismic: Area: Job Condition Correy Unadj	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: ection Factors justed Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Fleet Production:		NA 2.45 6.50 200.00 88.00 0.25 0.710 0.710 3,700 1.00 0.83 0.83 0.59 0.59 0.59	feet/s feet/s feet/p feet/p feet/p feet/n feet	econd ass ass ass ninute res/pass hour /hr ft/day) plier		
HOURLY PROD Seismic: Area: Job Condition Corree Unadj	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Uength: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: ection Factors justed Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Fleet Production COST	uction:	NA 2.45 6.50 200.00 88.00 0.25 0.710 0.710 3,700 1.00 0.83 0.83 0.59 0.59 0.59	feet/s feet/p feet/p feet/p feet/p feet/n feet Acres/n Acres/hr Acres/hr	econd ass ass ass ninute res/pass 'hour /hr /hr ft/day) plier		
HOURLY PROD Seismic: Area: Job Condition Corree Unadj	DUCTION Seismic Velocity: Average Ripping Depth: Average Ripping Width: Average Ripping Uength: Average Ripping Length: Average Dozer Speed: Average Maneuver Time: Production per unit area: extion Factors justed Hourly Unit Production: Site Altitude: Altitude Adj: Job Efficiency: Net Correction: Adjusted Hourly Fleet Production COST 1 Grader(s)	uction:	NA 2.45 6.50 200.00 88.00 0.25 0.710 0.710 3,700 1.00 0.83 0.83 0.59 0.59 0.59 Total job time	feet/s feet/p feet/p feet/p feet/p feet/n feet feet feet feet feet feet feet fee	econd ass ass ass ninute res/pass hour /hr /HB) ft/day) plier 2.55	Hours	

CIRCES Cost Estimating Software

BULLDOZER WORK

	Spread grow	th medium or	1.5 acre		
: J-Rude Site	Per	mit Action:	0-24-2024 Inspection	Permit/Jo	b#: <u>M1989009</u>
PROJECT IDENTIFI	CATION				
Task #: 003	State:	Colorado		Abbreviation:	None
Date: 10/17/2024	4 County:	Prowers		Filename:	M009-003
User: UEA					
Agency or organ	nization name: DR	MS			
HOURLY EQUIPME	NT COST				
Basic Machine: Cat	t D7R DS Series II L	GP			
Horsepower: 240	0				
Blade Type: Str	aight				
Attachment: NA	1				
Shift Basis: <u>1 p</u>	er day				
Data Source: (Cl	RG)				
Cost Breakdown:		l			
Ownership Cast/Harry		\$00.24	Utilization %		
Ownership Cost/Hour:		\$78.05	100		
Rinner own		φ/0.73	100		
Cost/Hour		\$0.00	NA		
Ripper op. Cost/Hour:		\$0.00	0		
Operator Cost/Hour:		\$38.59	NA		
MATERIAL QUANT	<u>ITIES</u>		_		
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21	ITIES 0 00 0 LCY				
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu 5000000000000000000000000000000000000	ITIES 0 00 <td> 4 inspection, 1.: book</td> <td>5 ac x 6 in depth grow</td> <td>/th med</td> <td></td>	 4 inspection, 1.: book	5 ac x 6 in depth grow	/th med	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu 1,21 Source of estimated swe factor: HOURLY PRODUCT 1	ITIES 0 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 LON		5 ac x 6 in depth grow	/th med	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu 1,21 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Average push distance	ITIES .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	— — 4 inspection, 1.: book	5 ac x 6 in depth grow	vth med	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu 1,21 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: State	ITIES 0 00 00 00 00 00 00 00 00 100 LCY ume: 9/24/2024 Cat Hand		5 ac x 6 in depth grow	/th med	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu 1,21 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de	ITIES .0 .00 .00 LCY .00 LCY .01 LCY .02 Cat Hand .03 Cat Hand .04 Cat Hand .05 Cat Hand .06 Cat Hand .07 ION .000 feet .		5 ac x 6 in depth grow	/th med	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu 1,21 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push Materials consistency de	$ \begin{array}{r} \textbf{ITIES} \\ 0 \\ 0 \\ 0 \\ 0 \\ \textbf{LCY} \\ \textbf{ume:} \\ 9/24/2024 \\ \textbf{Cat Hand} \\ \hline \\ \textbf{Cat Hand } \\ \hline \hline \hline \hline \\ \textbf{Cat Hand } \\ \hline \hline \hline \hline \\ \textbf{Cat Hand } \\ \hline \hline \hline \hline \\ \textbf{Cat Hand } \\ \hline \hline \hline \hline \hline \hline \hline \hline \\ \textbf{Cat Hand } \\ \hline \hline$		5 ac x 6 in depth grow 	<u>vth med</u>	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu 1,21 Source of estimated volu Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average push	ITIES .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0		<u>5 ac x 6 in depth grow</u>	/th med	
MATERIAL QUANTI Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu 1,21 Source of estimated volu Source of estimated swe factor: 1 HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude:	$ \begin{array}{r} \textbf{ITIES} \\ 0 \\ 0 \\ 0 \\ 0 \\ \textbf{LCY} \\ \textbf{Ime: } 9/24/2024 \\ \textbf{Cat Hand} \\ \hline \\ \textbf{Cat Hand } \\ \hline \hline \hline \hline \\ \textbf{Cat Hand } \\ \hline \hline \hline \hline \hline \hline \hline \hline \\ \textbf{Cat Hand } \\ \hline \hline$		<u>5 ac x 6 in depth grow</u>	<u>/th med</u>	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu Source of estimated swe factor: 1,21 Source of estimated swe factor: HOURLY PRODUCT Average push distance: Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude: Material weight: Material weight:	ITIES .0 .00 .00 LCY .00 LCY .010 LCY .02 Cat Hand .011 Cat Hand <t< td=""><td></td><td>5 ac x 6 in depth grow</td><td><u>/th med</u></td><td></td></t<>		5 ac x 6 in depth grow	<u>/th med</u>	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu Source of estimated swe factor: 1,21 Source of estimated volu Source of estimated swe factor: 1,21 Materials consistence: 1,21 Average push distance: 1,21 Unadjusted hourly production: Materials consistency de Average push gradient: Average site altitude: Material weight: Weight description:	ITIES .0 .00 .00 LCY .00 LCY .00 LCY .01 LCY .02 Cat Hand .01 Cat Hand .02 Cat Hand .01 Cat Hand .01 Cat Hand .02 Cat Hand .01 Cat Hand .02 Cat Hand .03 Cat Hand .03 Sold .03,700 feet .1,600 lbs/LCY		5 ac x 6 in depth grow	<u>/th med</u>	
MATERIAL QUANT Initial Volume: 1,21 Swell factor: 1.00 Loose volume: 1,21 Source of estimated volu Source of estimated swe factor: 1,21 Source of estimated volu Source of estimated swe factor: 1,21 Materials consistency Materials consistency Average push gradient: Average site altitude: Material weight: Weight description: Job Condition Correction	ITIES 10 10 10 10 10 11 200 11 200 11 200 11 200 11 200 11 200 11 200 11 200 10 200 10 200 10 200 10 200 10 200 1		<u>5 ac x 6 in depth grow</u> 	/th med	

Material consistency:	1.200	(CAT HB)
Dozing method:	1.100	(50% SL)
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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)
Net correction:	0.8271	
-4		

Adjusted unit production:	239.28 LCY/hr
Adjusted fleet production:	239.28 LCY/hr

JOB TIME AND COST

Bulldozer Worksheet Cont'd

Fleet size:	1 Dozer(s)
Unit cost:	\$0.868/LCY

Total job time:	5.06 Hours
Total job cost:	\$1,051

REVEGETATION WORK

Т	ask descrip	otion:	Revegetate 1.5 a	cre			
Site:	J-Rude S	ite	Pe	rmit Action:	9-24-2024 Inspection	Permit/Job	o#: <u>M1989009</u>
<u>PF</u>	ROJECT	<u>IDENTIFIC</u>	ATION				
	Task #:	004	State:	Colorado		Abbreviation:	None
	Date:	10/17/2024	County:	Prowers		Filename:	M009-004
	User:	UEA					
	Age	ency or organiz	zation name:	RMS			

FERTILIZING

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Composted manure DRMS Survey	20.00	pound	\$0.43	\$8.56
			Total Fertilizer Materials Cost/Acre	\$8.56

Application

Description		Cost /Acre
Manure, push spreader (MEANS 32 91 13.23 4400)		\$774.40
	Total Fertilizer Application Cost/Acre	\$774.40

TILLING

Description		Cost /Acre
		\$
	Total Tilling Cost/Acre	£0.00

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Switchgrass - Blackwell	2.60	23.22	\$34.37
Sideoats Grama - Butte	5.40	17.73	\$130.44
Sand Bluestem - Woodward	6.40	16.60	\$146.68
Totals Seed Mix	14.40	57.55	\$311.49

Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$272.56

Total Seed Application Cost/Acre\$272.56

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Straw, delivered {MEANS 31 25 14.16 1200}	4.00	TON	\$492.78	\$1,971.12
Total Mulch Materials Cost/Acre				\$1,971.12

Application

	Cost /Acre
	\$85.37
Total Mulch Application Cost/Acre	\$85.37
	Total Mulch Application Cost/Acre

NURSERY STOCK PLANTING

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

JOB TIME AND COST

Estimate *Selected Replanti	No. of Acres: ed Failure Rate: ng Work Items:	1.5 20% SEEDING	Cost /Acre: Cost /Acre*:	\$3,423.50 \$584.05
Initial Job Cost: Reseeding Job Cost: Total Job Cost: Job Hours:	\$5,135.25 \$175.22 \$5,310 0.75			

EQUIPMENT MOBILIZATION/DEMOBILIZATION

e: J-Rude Site Permit Action: $9-24-2024$ Inspection Permit/Job#: M1989(PROJECT IDENTIFICATION Task #: 005 State: Colorado Abbreviation: None Date: 10/17/2024 County: Provers Filename: M009-005 User: UEA Agency or organization name: DRMS EQUIPMENT TRANSPORT RIG COST Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POW A00 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POW 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPME Trailer Description: S1+ Tons Ovenership Cost/Hour: \$10.44 \$22.18 \$23.94 Operator Cost/Hour: \$20.648 \$54.55 \$55.65 Operator Cost/Hour: \$20.648 \$54.55 \$55.65 Operator Cost/Hour: \$20.00 \$23.33 \$23.53 Total Unit Cost/Hour: \$59.44 \$122.78 \$125.64 NON ROADABLE EQUIPMENT: Machine Weight/ Owner ship Haul Rig Fleet Haul Trip Return Trip DO Cost/hr/ Infect Cost/h	Task description	on: Mo	bilization/Demob	ilization									
PROJECT IDENTIFICATION Task #: 005 State: County: Prowers Abbreviation: None Date: 10/17/2024 County: Prowers Filename: M009-005 User: UEA	e: J-Rude Site		Permit	Action: <u>9-24-</u>	2024 Inspe	ection I	Permit/Job#:	M1989009					
Task #:005 10/17/2024 User:State:Colorado ProwersAbbreviation:None Filename:Mo09-005User:UEAOProwersFilename:M009-005Agency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis:1 per day Cost Data Source:Truck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POW 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POW 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPME TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons 26-50 Tons51+ Tons 51+ TonsOperating Cost/Hour:\$22.52 <td>PROJECT II</td> <td>DENTIFICATI</td> <td><u>ON</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	PROJECT II	DENTIFICATI	<u>ON</u>										
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Agency or organization name:DRMSEQUIPMENT TRANSPORT RIG COSTShift basis:1 per day Cost Data Source:Cost Data Source: $CRG Data$ Truck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POW 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPME TRAILER (25T, 50T, AND 100T)Cost Breakdown:Mathing Cost/Hour:\$10.44\$22.18\$23.94Operating Cost/Hour:\$20.648\$54.55\$55.65Operator Cost/Hour:\$20.00\$23.53\$22.52Helper Cost/Hour:\$59.44\$122.78\$125.64NON ROADABLE EQUIPMENT:Machine DescriptionWeight/ Unit (TONS)Owner ship Cost/hr/unit tHaul Rig Cost/hr/uni Size Cost/hr/Fleet Cost/hr/ Return Trip Cost/hr/ leet fleetDO Cost/hr/ fleetDO Cost/hr/ fleetMachine Cat D7R DS Series II LGPWeight/ Sigel Siges 99.49\$122.781\$22.27\$122.78\$25Cat D7R DS Series II LGP38.49\$99.49\$122.781\$22.27\$122.78\$25Series II LGP	Date: User:	10/17/2024 UEA	County: Pr	owers		Fi	lename: N	1009-005					
EQUIPMENT TRANSPORT RIG COST Shift basis: 1 per day Cost Data Source: CRG Data Shift basis: 1 per day CRG Data Truck Tractor Description: GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POW 400 HP (2ND HALF, 2006) Truck Trailer Description: GENERIC FOLDING GOOSENECK, DROP DECK EQUIPME TRAILER (25T, 50T, AND 100T) Cost Breakdown: Available Rig Capacities 0-25 Tons 26-50 Tons 51+ Tons Ownership Cost/Hour: \$10.44 \$22.18 \$23.94 Operating Cost/Hour: \$26.48 \$54.55 \$55.65 Operator Cost/Hour: \$22.52 \$22.52 \$22.52 Helper Cost/Hour: \$22.52 \$22.52 \$22.52 Helper Cost/Hour: \$59.44 \$122.78 \$125.64 NON ROADABLE EQUIPMENT: Machine Description Weight/ Unit Owner ship Cost/hr/ unit Haul Rig Cost/hr/ unit Fleet fleet Haul Trip Cost/hr/ fleet Return Trip Cost/hr/ fleet DO Cost fleet Machine Description Weight/ Unit Owner ship Cost/hr/ unit Haul Rig Cost/hr/ unit Fleet fleet Haul Trip fleet Return Trip Cost/hr/ fleet DO Cost/hr/ fleet Machine Description Weight/ Unit Owner ship Cost/hr/ unit Haul Rig Cost/hr/ unit Fleet fleet Haul Trip fleet Return Trip Cost/hr/ fleet DO Cost Cat D7R DS Series II LGP 38.49 \$99.49 \$122.78 1 \$22.27 \$122.78	Ageno	cy or organization	n name: DRMS										
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Truck Tractor Description:GENERIC ON-HIGHWAY TRUCK TRACTOR, 6X4, DIESEL POW 400 HP (2ND HALF, 2006)Truck Trailer Description:GENERIC FOLDING GOOSENECK, DROP DECK EQUIPME TRAILER (25T, 50T, AND 100T)Cost Breakdown:Available Rig Capacities0-25 Tons51+ TonsOwnership Cost/Hour:\$10.44\$22.18\$23.94Operating Cost/Hour:\$10.44\$22.18\$23.94Operating Cost/Hour:\$26.48\$54.55\$55.65Operator Cost/Hour:\$22.52\$22.52#elper Cost/Hour:\$\$0.00\$23.53Total Unit Cost/Hour:\$\$9.44\$122.78\$\$125.64Machine DescriptionWeight/ Cost/hr/ unitCost/hr//unitSize Cost/hr/Cat D7R DS Series II LGP38.49\$99.49\$122.781\$22.22\$122.78\$213.02\$122.78\$22.78\$22.78\$1\$22.78\$2Cost/hr/\$25Cost/Hour:\$25\$25\$25Cost/hr/Cost/hr/ <th <="" colspan="4" td=""><td></td><td></td><td></td><td></td><td>C</td><td>Shift bas Cost Data Sour</td><td>sis: <u>1 p</u> ce: <u>CRC</u></td><td>er day G Data</td><td></td></th>	<td></td> <td></td> <td></td> <td></td> <td>C</td> <td>Shift bas Cost Data Sour</td> <td>sis: <u>1 p</u> ce: <u>CRC</u></td> <td>er day G Data</td> <td></td>								C	Shift bas Cost Data Sour	sis: <u>1 p</u> ce: <u>CRC</u>	er day G Data	
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Cat D7R DS Series II LGP 34.57 \$90.24 \$122.78 1 \$213.02 \$122.78 \$25 Cat D7R DS Cat D7R DS 38.49 \$99.49 \$122.78 1 \$222.27 \$122.78 \$25 Series II LGP 38.49 \$99.49 \$122.78 1 \$222.27 \$122.78 \$25	-	(TONS)		t		fleet							
Series II LGP Cat D7R DS 38.49 \$99.49 \$122.78 1 \$222.27 \$122.78 \$25 Series II LGP Series II LGP <td>Cat D7R DS</td> <td>34.57</td> <td>\$90.24</td> <td>\$122.78</td> <td>1</td> <td>\$213.02</td> <td>\$122.78</td> <td>\$250.00</td> <td></td>	Cat D7R DS	34.57	\$90.24	\$122.78	1	\$213.02	\$122.78	\$250.00					
Cat D7R DS 38.49 \$99.49 \$122.78 1 \$222.27 \$122.78 \$25 Service II L CP 5	Series II LGP												
Series II L CD	Cat D7R DS	38.49	\$99.49	\$122.78	1	\$222.27	\$122.78	\$250.00					
	Series II LGP												
Subtatale: @135.20 @215.56 @5					Subtotale	\$435.20	\$745 5	56 \$500 0	0				

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Drill/Broadcast Seeder with Tractor	\$79.16	1	\$79.16	\$79.16
Light Duty Pickup, 4x2, 1/2 T.	\$13.05	1	\$13.05	\$13.05
		Subtotals:	\$92.21	\$92.21

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:	LAMAR	
Total one-way travel distance:	1.00	miles
Average Travel Speed:	50.00	mph
Total Non-Roadable Mob/Demob Cost *	\$1,897.81	
Total Roadable Mob/Demob Cost ** ** one round trip, no haul rig:	\$3.69	

Transportation Cycle Time:

	Non-	
	Roadable	Roadable
	Equipment	Equipment
Haul Time (Hours):	0.02	0.02
Return Time (Hours):	0.02	0.02
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	1.04	0.04

JOB TIME AND COST

Total job time: **2.08** Hours

Total job cost: \$1,902