



1313 Sherman St. Room 215
Denver, CO 80203

May 12, 2021

Justin Bilyeu
Mahogany Energy Resources, LLC
285 8th St
Meeker, CO 81641

RE: Shale Core 2020-01, File No. P-2021-002, Receipt of Notice of Intent to Conduct Prospecting Operations for Hard Rock / Metals Mines Application Package

Dear Mr. Bilyeu:

On May 6, 2021, the Division of Reclamation, Mining and Safety filed your Notice of Intent to Conduct Prospecting Operations for Hard Rock / Metal Mines Application package for the Shale Core 2020-01, File No. P-2021-002 located in Rio Blanco County. The decision date for your application is scheduled for Monday, July 5, 2021.

The Division has reviewed the revised application materials that were submitted on May 6, 2021 and deemed the information adequate for approval.

In reviewing the materials submitted the Division has determined that the \$2,000 currently held by the Division is inadequate to fulfill the reclamation requirements and additional bonding is necessary. Division calculations estimate the cost to reclaim the above referenced site to be \$6,805.00. Attached is a copy the reclamation cost estimate. The additional bond amount of \$4,805.00 must be posted by the 60 day deficiency deadline (Monday, July 5, 2021).

Please complete the attached financial warranty documents and return them to Sara Stevenson-Benn at the Divisions Denver Office. If you have additional questions regarding completion, execution and/or submittal of financial warranty forms please contact Sara directly at 303.866.3567, ext. 8148.

This letter shall not be construed to mean that there are no other technical deficiencies in your application. The Division will review your application to determine whether it is adequate to meet the requirements of the Act after submittal of all required items.

If you have any questions concerning our request, please contact us.



Sincerely,

A handwritten signature in blue ink that reads "Amy Yeldell". The signature is written in a cursive, flowing style.

Amy C. Yeldell
Environmental Protection Specialist

Ec: Travis Marshall, DRMS
Sara Stevenson-Benn, DRMS

M-EX-01B

STATE OF COLORADO

DIVISION OF RECLAMATION, MINING AND SAFETY

Department of Natural Resources

1313 Sherman St., Room 215

Denver, Colorado 80203

Phone: (303) 866-3567

FAX: (303) 832-8106



ONE SITE PROSPECTING FINANCIAL WARRANTY

CHECK FOR DEPOSIT IN STATE TREASURY

Prospecting Financial Warranty No. _____

Notice of Intent No. _____

This form has been approved by the Mined Land Reclamation Board ("Board") pursuant to section 34-32-117, C.R.S., of the Colorado Land Reclamation Act. Any alteration or modification of this form, without approval by the Board shall result in the financial warranty being invalid and result in the voiding of any permit issued in conjunction with such invalid financial warranty, and subject the Prospector to cease and desist orders and civil penalties for prospecting without a permit pursuant to section 34-32-123, C.R.S., of the Colorado Land Reclamation Act.

KNOW ALL MEN BY THESE PRESENTS, That we (I), _____,

of the County of _____, in the State of _____ as

Principal(s) are (am) held hereby and firmly bound unto the State of Colorado, acting through the Mined Land

Reclamation Board in the sum of _____ Dollars (\$_____) for the

payment of which sum, well and truly to be made, we (I) hereby bind ourselve(s), and each of our (my) legal

representatives, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has filed Notices of Intent to Conduct Prospecting Operations with the Board on the premises indicated on the Notices of Intent filed with the Board which are attached hereto and thereby incorporated by reference, to wit:

NOW, THEREFORE, the conditions of this obligation are such that if the above-bounded Principal shall, in conducting such prospecting operations, faithfully perform the provisions of the Notices of Intent to Conduct Prospecting operations filed or to be filed with the Board and the requirements of the plan to implement reclamation measures to reclaim all of the lands affected throughout the State by such prospecting operations, approved and modified by the Colorado Land Reclamation Act as amended, and the Rules and Regulations adopted pursuant thereto; upon the Board making the finding that all of the lands described in the Notices of Intent to Conduct Prospecting Operations filed or to be filed with the Board which are attached hereto and hereby incorporated by reference have been satisfactorily reclaimed and approving the Prospector's request for a financial warranty release on such lands, then this obligation shall be exonerated and discharged and become null and void; otherwise to remain in full force and effect.

PROVIDED, however, the Warrantor shall not be liable under this financial warranty for an amount greater in the aggregate than the sum designated in the first paragraph hereof, unless increased by a later amendment, and shall not be liable as respects any obligation related to prospecting and reclamation operations performed after the effective date of a cancellation of this financial warranty pursuant to the terms of Section 34-32-117(5), as amended. This financial warranty shall remain in force and effect as respects all obligations for all prospecting and reclamation operations performed prior to the effective date of such cancellation unless the Principal files a substitute bond which: 1) assumes liability for all obligations for all prospecting and reclamation operations performed during the effective dates of this financial warranty ; and 2) is acceptable to the Board; or unless the Board otherwise releases this financial warranty.

The Warrantor reserves the right to cancel this financial warranty, effective only upon an anniversary date, and only by giving written notice to that effect, mailed by Certified Mail, at least ninety (90) days prior to such anniversary date, addressed to both the Prospector at its address herein stated, and to the Board at the address herein stated. In the event of such cancellation, this financial warranty shall nevertheless remain in full force and effect as respects the reclamation of all areas disturbed prior to the effective date of such cancellation, unless and until the Prospector shall file a substitute financial warranty which: (1) assumes liability for all reclamation obligations which shall have arisen at any time while this financial warranty is in force; and (2) is accepted in writing by the Board.

Signed, sealed, and dated this _____ day of _____, _____.

Principal

Principal

By

By

Title

Title

Mailing Address

Mailing Address

APPROVED:

By _____
Division Director

Date

COST SUMMARY WORK

Task description: _____

Site: Shale Core 2020-01

Permit Action: New NOI

Permit/Job#: P2021002

PROJECT IDENTIFICATION

Task #: ACY

State: Colorado

Abbreviation: None

Date: 5/12/2021

County: Rio Blanco

Filename: P002-ACY

User: ACY

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Backfill/Grade Pad	DOZER	1	1.14	\$192
02a	Backfill/Grade Pit	DOZER	1	0.41	\$68
03a	Decompact	RIPPER	1	0.41	\$73
04a	Apply topsoil	DOZER	1	1.39	\$236
05a	Reveg	REVEGE	1	5.00	\$1,412
06a	Remove Exclusion Fence	DEMOLISH	1	8.00	\$763
10a	Initial Mobilization	MOBILIZE	1	9.00	\$2,976
10b	Secondary Mobilization	MOBILIZE	1	3.50	\$143
<u>SUBTOTALS:</u>				28.85	\$5,863

INDIRECT COSTS

OVERHEAD AND PROFIT:

Liability insurance: 2.02

Total = \$118

Performance bond: 1.05

Total = \$62

Job superintendent: 0.00

Total = \$0

Profit: 10.00

Total = \$586

TOTAL O & P = \$766

CONTRACT AMOUNT (direct + O & P) = \$6,629

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: 0.00

\$0

CONTINGENCY: 3.00

Total = \$176

TOTAL INDIRECT COST = \$942

TOTAL BOND AMOUNT (direct + indirect) = \$6,805

BULLDOZER WORKTask description: **Backfill/Grade Pad**Site: **Shale Core 2020-01** Permit Action: **New NOI** Permit/Job#: **P2021002****PROJECT IDENTIFICATION**

Task #: **01A** State: **Colorado** Abbreviation: **None**
 Date: **5/12/2021** County: **Rio Blanco** Filename: **P002-01a**
 User: **ACY**

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

Basic Machine: **Cat D6T XL**
 Horsepower: **185**
 Blade Type: **Semi-Universal**
 Attachment: **NA**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$68.78	NA
Operating Cost/Hour:	\$58.85	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: **\$168.92**
 Total Fleet Cost/Hour: **\$168.92**

MATERIAL QUANTITIES

Initial Volume: **250**
 Swell factor: **1.000**
 Loose volume: **250 LCY**

Source of estimated volume: **Pad Drawing**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **50 feet**
 Unadjusted hourly production: **444.6 LCY/hr**

Materials consistency description: **Partly consolidated stockpile 1.1**

Average push gradient: **0 %**
 Average site altitude: **8,560 feet**

Material weight: **2,550 lbs/LCY**Weight description: **Earth - Dry packed****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4941

Adjusted unit production: 219.68 LCY/hr

Adjusted fleet production: **219.68** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.769/LCY

Total job time: **1.14** Hours

Total job cost: **\$192**

BULLDOZER WORKTask description: **Backfill/Grade Pit**Site: **Shale Core 2020-01** Permit Action: **New NOI** Permit/Job#: **P2021002****PROJECT IDENTIFICATION**

Task #: **02A** State: **Colorado** Abbreviation: **None**
 Date: **5/12/2021** County: **Rio Blanco** Filename: **P002-02a**
 User: **ACY**

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

Basic Machine: **Cat D6T XL**
 Horsepower: **185**
 Blade Type: **Semi-Universal**
 Attachment: **NA**
 Shift Basis: **1 per day**
 Data Source: **(CRG)**

Cost Breakdown:

		<u>Utilization %</u>
Ownership Cost/Hour:	\$68.78	NA
Operating Cost/Hour:	\$58.85	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: **\$168.92**
 Total Fleet Cost/Hour: **\$168.92**

MATERIAL QUANTITIES

Initial Volume: **89**
 Swell factor: **1.000**
 Loose volume: **89 LCY**

Source of estimated volume: **Pad Drawing**
 Source of estimated swell factor: **Cat Handbook**

HOURLY PRODUCTION

Average push distance: **50 feet**
 Unadjusted hourly production: **444.6 LCY/hr**

Materials consistency description: **Partly consolidated stockpile 1.1**

Average push gradient: **0 %**
 Average site altitude: **8,560 feet**

Material weight: **2,550 lbs/LCY**Weight description: **Earth - Dry packed****Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(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:	0.902	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.4941

Adjusted unit production: 219.68 LCY/hr

Adjusted fleet production: **219.68** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.769/LCY

Total job time: **0.41** Hours

Total job cost: **\$68**

BULLDOZER RIPPING WORK

Task description: Decompact

Site: Shale Core 2020-01

Permit Action: New NOI

Permit/Job#: P2021002

PROJECT IDENTIFICATION

Task #: 03A

State: Colorado

Abbreviation: None

Date: 5/12/2021

County: Rio Blanco

Filename: P002-03a

User: ACY

Agency or organization name: DRMS

HOURLY EQUIPMENT COST

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

Horsepower: 185
Shift Basis: 1 per day
Data Source: (CRG)

Cost Breakdown:

		Utilization %
Ownership Cost/Hour:	\$68.78	NA
Operating Cost/Hour:	\$58.85	100
Ripper Ownership Cost/Hour:	\$4.86	NA
Ripper Operating Cost/Hour:	\$3.70	100
Operator Cost/Hour:	\$41.30	NA
Total Unit Cost/Hour:	\$177.48	
Total Fleet Cost/Hour:	\$177.48	

MATERIAL QUANTITIES

Selected estimating method: Area

Alternate Methods:

Seismic: NA Bank Volume: NA BCY NA
Area: 0.19 acres Rip Depth (ft): 2.00 Volume: 613 BCY or CCY

Source of estimated quantity: NOI App

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: 50.00 feet/pass
Average Dozer Speed: 88.00 feet/minute
Average Maneuver Time: 0.25 minutes/pass
Production per unit area: 0.554 acres/hour

Job Condition Correction Factors

Unadjusted Hourly Unit Production: 0.554 Acres/hr
Site Altitude: 8,560 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: **0.41** Hours

Unit cost: \$386.066 Per acre Total job cost: **\$73**

BULLDOZER WORKTask description: Apply topsoilSite: Shale Core 2020-01Permit Action: New NOIPermit/Job#: P2021002**PROJECT IDENTIFICATION**Task #: 04AState: ColoradoAbbreviation: NoneDate: 5/12/2021County: Rio BlancoFilename: P002-04aUser: ACYAgency or organization name: DRMS**HOURLY EQUIPMENT COST**Basic Machine: Cat D6T XLHorsepower: 185Blade Type: Semi-UniversalAttachment: NAShift Basis: 1 per dayData Source: (CRG)**Cost Breakdown:**

		<u>Utilization %</u>
Ownership Cost/Hour:	\$68.78	NA
Operating Cost/Hour:	\$58.85	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: \$168.92Total Fleet Cost/Hour: \$168.92**MATERIAL QUANTITIES**Initial Volume: 372Swell factor: 1.000Loose volume: 372 LCYSource of estimated volume: Pad DrawingSource of estimated swell factor: Cat Handbook**HOURLY PRODUCTION**Average push distance: 50 feetUnadjusted hourly production: 444.6 LCY/hrMaterials consistency description: Partly consolidated stockpile 1.1Average push gradient: 0 %Average site altitude: 8,560 feetMaterial weight: 2,100 lbs/LCYWeight description: Earth - Loam**Job Condition Correction Factor**

		<u>Source</u>
Operator Skill:	0.750	(AVG.)
Material consistency:	1.100	(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: 0.5998

Adjusted unit production: 266.67 LCY/hr

Adjusted fleet production: **266.67** LCY/hr

JOB TIME AND COST

Fleet size: 1 Dozer(s)

Unit cost: \$0.633/LCY

Total job time: **1.39** Hours

Total job cost: **\$236**

REVEGETATION WORKTask description: RevegSite: Shale Core 2020-01Permit Action: New NOIPermit/Job#: P2021002**PROJECT IDENTIFICATION**Task #: 05AState: ColoradoAbbreviation: NoneDate: 5/12/2021County: Rio BlancoFilename: P002-05aUser: ACYAgency 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
Disc harrowing, 6" deep (MEANS 32 91 13.23 6100)	\$107.16
Total Tilling Cost/Acre	\$107.16

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Lupine, Silky	3.48	1.97	\$242.21
Slender Wheatgrass - Native	5.80	21.17	\$26.83
Milk Vetch, Cicer - Lutana	3.00	9.99	\$24.60
Western Wheatgrass - Rosanna	7.42	18.74	\$42.67
Prairie Junegrass	1.18	62.72	\$30.68
Serviceberry	3.38	6.21	\$207.87
Snowberry, Mountain	3.18	5.48	\$160.59
Penstemon, Rocky Mountain	0.92	14.42	\$27.14
		140.69	\$762.58

Totals Seed Mix	28.36		
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Application

Description	Cost /Acre
Broadcast seeding [DMG]	\$267.22
Total Seed Application Cost/Acre	\$267.22

MULCHING and MISCELLANEOUS**Materials**

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	1.00	ACRE	\$2.92	\$2.92
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$301.00	\$602.00
Total Mulch Materials Cost/Acre				\$604.92

Application

Description	Cost /Acre
Crimping, with tractor {DMG survey data}	\$70.17
Hand spread, 1" deep (MEANS 32 91 13.16 0200)	\$3,436.40
Weed spray, hand, non-aquatic area, nox. [DMG]	\$183.16
Total Mulch Application Cost/Acre	\$3,689.73

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: 0.2 Cost /Acre: \$5,431.61
 Estimated Failure Rate: 30% Cost /Acre*: \$5,431.61
 *Selected Replanting Work Items: TILLING,SEEDING,MULCHING

Initial Job Cost: **\$1,086.32**
 Reseeding Job Cost: **\$325.90**
 Total Job Cost: **\$1,412**
 Job Hours: **5.00**

DEMOLITION WORK

Task description: Remove Exclusion Fence

Site: Shale Core 2020-01

Permit Action: New NOI

Permit/Job#: P2021002

PROJECT IDENTIFICATION

Task #: 06A

State: Colorado

Abbreviation: None

Date: 5/12/2021

County: Rio Blanco

Filename: P002-06a

User: ACY

Agency or organization name: DRMS

UNIT COSTS

Location adjustment: 90.70 %

Structure or Item Description	Dimensions	Demolition Menu Selection	Quantity	Unit	Unit Cost	Total Cost
Wire Fence	536	Fencing, barbed wire, - 3 strand	536.00	LF	\$1.57	\$841.52

Job Hours: 8.00

Subtotal
(unadjusted): \$841.52

Total Cost
(adjusted for location): \$763.26

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Initial Mobilization**Site: **Shale Core 2020-01**Permit Action: **New NOI**Permit/Job#: **P2021002****PROJECT IDENTIFICATION**Task #: **10A**State: **Colorado**Abbreviation: **None**Date: **5/12/2021**County: **Rio Blanco**Filename: **P002-10a**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:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54

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 XL	25.01	\$73.64	\$67.39	1	\$141.03	\$67.39	\$250.00
Drill/Broadcast Seeder with Tractor	25.00	\$6.72	\$67.39	1	\$74.11	\$67.39	\$250.00
Subtotals:					\$215.14	\$134.78	\$500.00

ROADABLE EQUIPMENT:

Machine Description	Total Cost/hr/ unit	Fleet Size	Haul Trip Cost/hr/ fleet	Return Trip Cost/hr/ fleet
Flatbed Truck, 4x2, 15K GVW	\$50.90	1	\$50.90	\$50.90
Light Duty Pickup, 4x4, 3/4 T.	\$40.91	1	\$40.91	\$40.91
Subtotals:			\$91.81	\$91.81

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: RIFLE
 Total one-way travel distance: 70.00 miles
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost * \$2,655.00
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$321.34
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	<u>1.75</u>	<u>1.75</u>
Return Time (Hours):	<u>1.75</u>	<u>1.75</u>
Loading Time (Hours):	<u>0.50</u>	<u>NA</u>
Unloading Time (Hours):	<u>0.50</u>	<u>NA</u>
Subtotals:	<u>4.50</u>	<u>3.50</u>

JOB TIME AND COST

Total job time: 9.00 Hours

Total job cost: \$2,976

EQUIPMENT MOBILIZATION/DEMOBILIZATIONTask description: **Secondary Mobilization**Site: **Shale Core 2020-01**Permit Action: **New NOI**Permit/Job#: **P2021002****PROJECT IDENTIFICATION**Task #: **10B**State: **Colorado**Abbreviation: **None**Date: **5/12/2021**County: **Rio Blanco**Filename: **P002-10b**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:**

Available Rig Capacities	0-25 Tons	26-50 Tons	51+ Tons
Ownership Cost/Hour:	\$17.20	\$29.63	\$38.69
Operating Cost/Hour:	\$26.56	\$47.02	\$55.69
Operator Cost/Hour:	\$23.63	\$23.63	\$23.63
Helper Cost/Hour:	\$0.00	\$23.53	\$23.53
Total Unit Cost/Hour:	\$67.39	\$123.81	\$141.54

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
Subtotals:					\$0.00	\$0.00	\$0.00

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.	\$40.91	1	\$40.91	\$40.91
Subtotals:			\$40.91	\$40.91

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region: RIFLE
 Total one-way travel distance: 70.00 miles
 Average Travel Speed: 40.00 mph

Total Non-Roadable Mob/Demob Cost * \$0.00
 * two round trips with haul rig:
 Total Roadable Mob/Demob Cost ** \$143.19
 ** one round trip, no haul rig:

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.75	1.75
Return Time (Hours):	1.75	1.75
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	4.50	3.50

JOB TIME AND COST

Total job time: 3.50 Hours

Total job cost: \$143