

1313 Sherman Street, Room 215 Denver, CO 80203

May 9, 2014

Mr. Michael Clark Natural Soda, Inc. 3200 RBC 31 Rifle, CO 81650

Re: Nahcolite Project, Permit No. M-1983-194, Technical Revision Approval, Revision No. TR-35

Dear Mr. Clark

On May 9, 2014 the Division of Reclamation, Mining and Safety (Division) approved the Technical Revision application submitted to the Division on April 9, 2014, addressing the following:

 Addition of three production well pairs, two water supply wells and 23 core/monitoring wells

The terms of the Technical Revision No. 35 are approved by the Division are hereby incorporated into Permit No. M-1983-194. All other conditions and requirements of Permit No. M-1983-194 remain in full force and effect.

The estimated financial warranty amount of \$2,852,945.66 exceeds the currently held amount of \$2,037,250.00. An additional financial warranty amount of \$815,695.66 is required to be placed with the Division before any of the approved activities can begin. If you have any questions regarding the placement of the required additional financial warranty please contact Barbara Coria at 303.866.3567 extension 8148.

If you have any other questions regarding this permit activity please contact me at 970.241.2042.

Sincerely,

Travis Marshall

Environmental Protection Specialist

Enclosure - Reclamation Cost Estimate



cc: Paul Daggett
BLM - WRFO
220 East Market Street
Meeker, CO 81641

Gerald Daub Daub & Associates, Inc 1985 ½ South Broadway Grand Junction, CO 81507



COST SUMMARY WORK

Task description:	TR-35	Final	Reclamation	Cost	Estimate
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Site: Nahcolite Project Permit Action: TR-35 Permit/Job#: M1983194

PROJECT IDENTIFICATION

Task #: 001 State: Colorado Abbreviation: None

Date: 4/23/2014 County: Rio Blanco Filename: M194-001

User: THM

Agency or organization name: DRMS

TASK LIST (DIRECT COSTS)

Task	Description	Form Used	Fleet Size	Task Hours	Cost
01a	Demo. of NSI Plant, Pipelines and Powerlines	DEMOLISH	1	80.00	\$530,207.68
02a	Borehole P&A	BOREHOLE	1	460.00	\$1,417,767.89
03a	Re-grade Process Ponds	DOZER	2	141.43	\$56,045.00
04a	Re-grade Plant Area	DOZER	2	41.97	\$16,632.39
05a	Re-grade Well Pads	DOZER	2	100.17	\$39,693.04
06a	Distribute 6" of topsoil over 8 acre process pond area	DOZER	2	5.92	\$2,345.73
07a	Distribute 6" topsoil over 6.2 acre process area	DOZER	2	4.59	\$1,817.55
08a	Replace topsoil over re-graded well pads and access roads	DOZER	2	25.45	\$10,083.06
09a	Rip compacted areas	RIPPER	2	14.08	\$5,945.00
10a	Distribute 6" topsoil over18.7 acres of decompacted area	DOZER	2	10.27	\$4,070.86
11a	Revegetate 44.9 acres	REVEGE	1	73.76	\$136,105.34
12a	Mobilization	MOBILIZE	1	8.00	\$6,399.36
		SUBTO	OTALS:	965.64	\$2,227,112.90

INDIRECT COSTS

OVERHEAD AND PROFIT:

 Liability insurance:
 2.02%
 Total = \$44,987.68

 Performance bond:
 1.05%
 Total = \$23,384.69

Job superintendent: 482.82 hrs
Total = \$31,581.26

Profit: 10.00% Total = \$222,711.29

TOTAL O & P = \$322,664.92

CONTRACT AMOUNT (direct + O & P) = \$2,549,777.82

LEGAL - ENGINEERING - PROJECT MANAGEMENT:

Financial warranty processing (legal/related costs): 500.00 Total = 500.00

Engineering work and/or contract/bid preparation: 4.25% Total = \$108,365.56

Engineering work and/or contract/bid preparation: 4.25% Total = \$108,365.56

Reclamation management and/or administration: 5.00% \$127,488.89

CONTINGENCY: 3.00 Total = \$66,813.39

TOTAL INDIRECT COST = \$625,832.76

TOTAL BOND AMOUNT (direct + indirect) = \$2,852,945.66

BOREHOLE SEALING WORK

	Task description:	Borehole P&A				
Site:	Nahcolite Project	Permit Action:	TR-35	Permit/Job#:	M1983194	
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PROJECT IDENTIFICATION

Task #:	02A	State:	Colorado	Abbreviation:	None
Date:	4/16/2014	County:	Rio Blanco	Filename:	TR-35
* *	COLUMN A				

User: THM

Agency or organization name: DRMS

UNIT COSTS

Borehole	Sealing/Item Method						
Description		Diameter	Length	Quantity	Unit	Unit Cost	Total Cost
3M-TDR	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1876	1,876.00	LF	\$7.82	\$14,665.44
89-1	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1627	1,627.00	LF	\$7.82	\$12,718.91
89-2	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1417	1,417.00	LF	\$7.82	\$11,077.26
89-3	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	347	347.00	LF	\$7.82	\$2,712.64
90-1	Portland cement grout - 10 in. (labor, equip, materials)	9.625"	1417	1,417.00	LF	\$17.84	\$25,284.95
90-3	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1627	1,627.00	LF	\$7.82	\$12,718.91
90-4	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1417	1,417.00	LF	\$7.82	\$11,077.26
94-1M	Portland cement grout - 6 in. (labor, equip, materials)	5"	2200	2,200.00	LF	\$10.92	\$24,025.54
BG-1	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1627	1,627.00	LF	\$7.82	\$12,718.91
BG-4	Portland cement grout - 4 in. (labor, equip, materials)	4.5	1627	1,627.00	LF	\$7.82	\$12,718.91
DS-2	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1876	1,876.00	LF	\$7.82	\$14,665.44
DS-3	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1876	1,876.00	LF	\$7.82	\$14,665.44
EX-2	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1876	1,876.00	LF	\$7.82	\$14,665.44
IRI-1	Portland cement grout - 4 in. (labor, equip, materials)	4"	347	347.00	LF	\$7.82	\$2,712.64

TTD T. A				1	1		
IRI-4	Portland cement grout - 4 in. (labor, equip,	4"	1417	1,417.00	LF	\$7.82	\$11,077.26
_	materials)						
IRI-5	Portland cement grout - 4	4.625"	347	347.00	LF	\$7.82	\$2,712.64
	in. (labor, equip,						
	materials)						
IRI-6	Portland cement grout - 4	4"	1627	1,627.00	LF	\$7.82	\$12,718.91
	in. (labor, equip,						,
	materials)						
IRI-7	Portland cement grout - 4	4.5"	1876	1,876.00	LF	\$7.82	\$14,665.44
	in. (labor, equip,						
	materials)						
IRI-8	Portland cement grout - 4	4.5"	347	347.00	LF	\$7.82	\$2,712.64
	in. (labor, equip,						,
	materials)						
MU-2	Portland cement grout - 6	5"	1876	1,876.00	LF	\$10.92	\$20,487.23
	in. (labor, equip,						
	materials)						
MWA-2	Portland cement grout - 8	7.625"	347	347.00	LF	\$11.88	\$4,121.39
	in. (labor, equip,		·				
	materials)						
MWB-2	Portland cement grout - 6	5"	1627	1,627.00	LF	\$10.92	\$17,767.98
	in. (labor, equip,						
	materials)						
MWD-1	Portland cement grout - 6	5"	1876	1,876.00	LF	\$10.92	\$20,487.23
	in. (labor, equip,						,
	materials)						
MWD-2	Portland cement grout - 6	5"	1876	1,876.00	LF	\$10.92	\$20,487.23
	in. (labor, equip,						,
	materials)						
7H-1R	Portland cement grout - 8	7.625"	1876	1,876.00	LF	\$11.88	\$22,281.63
	in. (labor, equip,						,
	materials)						
7H-1 V	Portland cement grout - 8	7.625"	1876	1,876.00	LF	\$11.88	\$22,281.63
	in. (labor, equip,						
	materials)						
7H-2I	Portland cement grout - 8	7.625"	1876	1,876.00	LF	\$11.88	\$22,281.63
	in. (labor, equip,						
	materials)						
12H-I	Portland cement grout - 8	7.625"	1935	1,935.00	LF	\$11.88	\$22,982.38
	in. (labor, equip,						
	materials)						
12H-R	Portland cement grout - 8	7.625"	1935	1,935.00	LF	\$11.88	\$22,982.38
	in. (labor, equip,						
	materials)						
10H-I	Portland cement grout - 8	7.625"	1935	1,935.00	LF	\$11.88	\$22,982.38
	in. (labor, equip,						
	materials)						
11 H- I	Portland cement grout - 8	7.625"	1935	1,935.00	LF	\$11.88	\$22,982.38
	in. (labor, equip,						
	materials)						
10H-R	Portland cement grout - 8	7.625"	1935	1,935.00	LF	\$11.88	\$22,982.38
	in. (labor, equip,						
	materials)						
11H-R	Portland cement grout - 8	7.625"	1935	1,935.00	LF	\$11.88	\$22,982.38
	in. (labor, equip,						
	materials)						
DS-4	Portland cement grout - 4	4.5"	1876	1,876.00	LF	\$7.82	\$14,665.44

	in. (labor, equip, materials)						
BG-5	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1645	1,645.00	LF	\$7.82	\$12,859.62
DS-5	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1902	1,902.00	LF	\$7.82	\$14,868.69
BG-6	Portland cement grout - 4 in. (labor, equip, materials)	4.5"	1639	1,639.00	LF	\$7.82	\$12,812.72
WSW-2	Portland cement grout - 8 in. (labor, equip, materials)	7.625"	1460	1,460.00	LF	\$11.88	\$17,340.71
DVPW-1(A)	Portland cement grout - 8 in. (labor, equip, materials)	7"	2350	2,350.00	LF	\$11.88	\$27,911.42
DVPW-(B)	Portland cement grout - 8 in. (labor, equip, materials)	7"	2350	2,350.00	LF	\$11.88	\$27,911.42
10H-1V	Portland cement grout - 8 in. (labor, equip, materials)	7"	2010	2,010.00	LF	\$11.88	\$23,873.17
13H-I	Portland cement grout - 8 in. (labor, equip, materials)	8"	2335	2,335.00	LF	\$11.88	\$27,733.26
13H-R	Portland cement grout - 8 in. (labor, equip, materials)	8"	2310	2,310.00	LF	\$11.88	\$27,436.33
8H-I	Portland cement grout - 8 in. (labor, equip, materials)	7"	2110	2,110.00	LF	\$11.88	\$25,060.89
8H-R	Portland cement grout - 8 in. (labor, equip, materials)	7"	2110	2,110.00	LF	\$11.88	\$25,060.89
14H-I	Portland cement grout - 8 in. (labor, equip, materials)	7"	2110	2,110.00	LF	\$11.88	\$25,060.89
14H-R	Portland cement grout - 8 in. (labor, equip, materials)	7"	2110	2,110.00	LF	\$11.88	\$25,060.89
WSW-3	Portland cement grout - 8 in. (labor, equip, materials)	7"	1420	1,431.00	LF	\$11.88	\$16,996.27
WSW-4	Portland cement grout - 8 in. (labor, equip, materials)	7"	1431	1,431.00	LF	\$11.88	\$16,996.27
A (Plhase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1844	1,844.00	LF	\$11.88	\$21,901.56
B (Plhase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1879	1,879.00	LF	\$11.88	\$22,317.26
C (P hase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1898	1,898.00	LF	\$11.88	\$22,542.93
D (P hase 1)	Portland cement grout - 8 in. (labor, equip,	6.5"	1949	1,949.00	LF	\$11.88	\$23,148.66

	materials)						
E (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1967	1,967.00	LF	\$11.88	\$23,362.45
F (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1933	1,933.00	LF	\$11.88	\$22,958.63
G (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	2012	2,012.00	LF	\$11.88	\$23,896.93
H (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1983	1,983.00	LF	\$11.88	\$23,552.49
I (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1986	1,986.00	LF	\$11.88	\$23,588.12
J (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	2038	2,038.00	LF	\$11.88	\$24,205.73
K (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1963	1,963.00	LF	\$11.88	\$23,314.94
L (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1901	1,901.00	LF	\$11.88	\$22,578.56
M (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1917	1,917.00	LF	\$11.88	\$22,768.59
DS-7 (Phase 1)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1897	1,897.00	LF	\$11.88	\$22,531.05
N (Phase 2)	Portland cement grout - 8 in. (labor, equip, materials)	6.5	1859	1,859.00	LF	\$11.88	\$22,079.71
O (Phase 2)	Portland cement grout - 8 in. (labor, equip, materials)	6.5	1807	1,807.00	LF	\$11.88	\$21,462.10
P (Phase 2)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1817	1,817.00	LF	\$11.88	\$21,580.87
Q (Phase 2)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1836	1,836.00	LF	\$11.88	\$21,806.54
R (Phase 2)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1835	1,835.00	LF	\$11.88	\$21,794.66
S (Phase 2)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1744	1,744.00	LF	\$11.88	\$20,713.84
T (Phase 2)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1739	1,739.00	LF	\$11.88	\$20,654.45
U (Phase 2)	Portland cement grout - 8 in. (labor, equip, materials)	6.5"	1694	1,694.00	LF	\$11.88	\$20,119.98
DS-6 (Phase 3)	Portland cement grout - 4 in. (labor, equip, materials)	4"	1882	1,882.00	LF	\$7.82	\$14,712.35

9H-I	Portland cement grout - 8 in. (labor, equip, materials)	7"	2110	2,110.00	LF	\$11.88	\$25,060.89
9H-R	Portland cement grout - 8 in. (labor, equip, materials)	7"	2110	2,110.00	LF	\$11.88	\$25,060.89

Job Hours: 460.00 Total Cost: \$1,417,767.87

		Permit Action:	TR-35	Permit/Job#:	M1983194
ROJECT IDENT	<u>IFICATION</u>	N			
Task #: 03A		State: Colorado		Abbreviation:	None
Date: 4/16/201	14	County: Rio Blanc	00	Filename:	TR-35
User: THM		<u> </u>		_	
Agency or or	ganization na	me: DRMS			
HOURLY EQUIPM	MENT COS	ST			
Basic Machine:	Cat D8T - 8S	U			
	310				
A	Semi-Univers	sal			
	NA	, was			
	1 per day				
	(CRG)				
2	()		-		
Cost Breakdown:			Utilization %		
Ownership Cost/Hou	ır:	\$56.69	NA		
Operating Cost/Hou		\$104.03	100		
Ripper op. Cost/Hou		\$0.00	0		
Operator Cost/Hou		\$37.41	NA		
operator contrict		Ψ57.11	INA		
Total unit Cost/Hour:	\$198.13	}			
Total Fleet Cost/Hour MATERIAL QUA					
MATERIAL QUA Initial Volume: 5 Swell factor: 1	NTITIES 22,723 .110 8,523 LCY olume:		tion, Mining & Safety		
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volumes of estimated set	NTITIES 2,723 .110 8,523 LCY olume: well factor:	Division of Reclama	tion, Mining & Safety		
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume: 5 Source of estimated swell HOURLY PRODU	2,723 .110 8,523 LCY olume: well factor:	Division of Reclama Cat Handbook	tion, Mining & Safety		
MATERIAL QUA Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume of estimated swell HOURLY PRODU	NTITIES 12,723 .110 18,523 LCY 19 olume: 10 well factor: 11 olumnia in the second in t	Division of Reclama Cat Handbook	tion, Mining & Safety		
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume: 5 Source of estimated swell HOURLY PRODU	NTITIES 12,723 .110 18,523 LCY 19 olume: 10 well factor: 11 olumnia in the second in t	Division of Reclama Cat Handbook	tion, Mining & Safety		
MATERIAL QUA Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume of estimated swell HOURLY PRODU	NTITIES 12,723 .110 18,523 LCY 19 olume: 19 well factor: 10 UCTION 10 e: 10 oduction: 10 oduction: 11 oduction: 12 oduction: 13 oduction: 15 oduction: 16 oduction: 17 oduction: 18 oductio	Division of Reclama Cat Handbook			
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume of estimated source of estima	NTITIES 2,723 .110 8,523 LCY olume: well factor: JCTION e: 1 oduction: 5	Division of Reclama Cat Handbook 175 feet 562.2 LCY/hr			
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume: 5 Source of estimated swell HOURLY PRODU Average push distance Unadjusted hourly production Materials consistency Average push gradien	NTITIES 22,723 .110 88,523 LCY olume: well factor: JCTION e: 1 oduction: 5 description:	Division of Reclama Cat Handbook 75 feet 662.2 LCY/hr Compacted fill or			
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume of estimated source of estima	NTITIES 22,723 .110 88,523 LCY olume: well factor: JCTION e: 1 oduction: 5 description:	Division of Reclama Cat Handbook 75 feet 662.2 LCY/hr Compacted fill or			
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume: 5 Source of estimated swell HOURLY PRODU Average push distance Unadjusted hourly production Materials consistency Average push gradien	2,723 .110 8,523 LCY olume: well factor: UCTION e: 1 oduction: 5 description: at: 0 % 6,600 fo	Division of Reclama Cat Handbook 75 feet 662.2 LCY/hr Compacted fill or			
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume: 5 Source of estimated swell factor: 5 HOURLY PRODU Average push distance Unadjusted hourly production of the stance of t	NTITIES 22,723 .110 88,523 LCY olume: well factor: UCTION e:	Division of Reclama Cat Handbook 175 feet 662.2 LCY/hr Compacted fill or			
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume: 5 Source of estimated swell factor: 5 Source of estimated swell factor: 5 HOURLY PRODU Average push distance Unadjusted hourly producted for the factor of the fac	NTITIES 12,723	Division of Reclama Cat Handbook 175 feet 662.2 LCY/hr Compacted fill or eet bs/LCY Natural bed			
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume: 5 Source of estimated source	NTITIES 12,723	Division of Reclama Cat Handbook 175 feet 662.2 LCY/hr Compacted fill or eet bs/LCY Natural bed 0.750	embankment 0.9		
Initial Volume: 5 Swell factor: 1 Loose volume: 5 Source of estimated volume: 5 Source of estimated swell HOURLY PRODU Average push distance Unadjusted hourly pro Materials consistency Average push gradien Average site altitude: Material weight: Weight description: Unb Condition Correct Opera Material con	NTITIES 12,723	Division of Reclama Cat Handbook 175 feet 662.2 LCY/hr Compacted fill or eet bs/LCY Natural bed	embankment 0.9		

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:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.3680

Adjusted unit production: 206.89 LCY/hr Adjusted fleet production:

413.78 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s) Unit cost: \$0.958/LCY

Total job time: 141.43 Hours Total job cost: \$56,045.00

		Plant Area			
Nahcolite Project		Permit Action:	TR-35	Permit/Job#:	M1983194
PROJECT IDENT	IFICATION				
Task #: 04A		State: Colorado		Abbreviation:	None
Date: $\frac{611}{4/16/201}$		unty: Rio Blanc	20	Filename:	TR-35
User: THM		unty. Kio Bianc		r nename.	114-33
Agency or or	ganization name:	DRMS			
HOURLY EQUIPN	MENT COST				
Basic Machine: (Cat D8T - 8SU				
	310				
	Semi-Universal				
	NA		_		
	l per day				
	(CRG)				
Cost Breakdown:	***************************************				
			Utilization %		
Ownership Cost/Hou	ır: S	556.69	NA		
Operating Cost/Hou	ır: \$	104.03	100	-	
Ripper op. Cost/Hou	ır:	\$0.00	0		
Operator Cost/Hou	ır:	37.41	NA		
m . 1 . 1. 0	0100.10				
Total unit Cost/Hour:					
	\$198.13				
Total Fleet Cost/Hour:					
Total Fleet Cost/Hour:	\$396.26				
	\$396.26				
Total Fleet Cost/Hour:	\$396.26 NTITIES				
MATERIAL QUA Initial Volume: 1	\$396.26 NTITIES 9,682				
MATERIAL QUA Initial Volume: 1 Swell factor: 1	\$396.26 NTITIES 9,682 .110				
MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 2	\$396.26 NTITIES 9,682 .110 1,847 LCY				
MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 2 Source of estimated vo	\$396.26 NTITIES 9,682 .110 1,847 LCY plume: Di		tion, Mining & Safety		
MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 2	\$396.26 NTITIES 9,682 .110 1,847 LCY plume: Di	vision of Reclama t Handbook	tion, Mining & Safety		
MATERIAL QUANT Initial Volume: Swell factor: Loose volume: Source of estimated volumes of estimated systems.	\$396.26 NTITIES 9,682 .110 1,847 LCY olume: Di well factor: Ca		tion, Mining & Safety		
MATERIAL QUANT Initial Volume: Swell factor: Loose volume: 2 Source of estimated volume of estimated swell factor.	\$396.26 NTITIES 9,682 .110 1,847 LCY blume: Di well factor: Ca	t Handbook	tion, Mining & Safety		
MATERIAL QUANT Initial Volume: Swell factor: Loose volume: 2 Source of estimated volume of estimated swell factors of estimated swell factors of estimated swell factors.	\$396.26 NTITIES 9,682 .110 1,847 LCY blume: Di well factor: Ca	t Handbook	tion, Mining & Safety		
MATERIAL QUANT Initial Volume: Swell factor: Loose volume: 2 Source of estimated volume of estimated swell factor.	\$396.26 NTITIES 9,682 .110 1,847 LCY blume: Di well factor: Ca	t Handbook	tion, Mining & Safety		
MATERIAL QUANT Initial Volume: Swell factor: Loose volume: 2 Source of estimated volume of estimated swell factors of estimated swell factors of estimated swell factors.	\$396.26 NTITIES 9,682 .110 1,847 LCY olume: Di well factor: Ca VCTION e: 150: oduction: 634.	t Handbook			
MATERIAL QUA Initial Volume: 1 Swell factor: 1 Loose volume: 2 Source of estimated volume of estimated swell factors of estimate	\$396.26 NTITIES 9,682 .110 1,847 LCY olume: Di well factor: Ca ICTION e: 150 oduction: 634 description:	feet 3 LCY/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated volume of estimated sylvatrage push distance Unadjusted hourly products.	\$396.26 NTITIES 9,682 .110 1,847 LCY olume: Di well factor: Ca ICTION e: 150 oduction: 634 description:	feet 3 LCY/hr			
Initial Volume: Swell factor: Loose volume: Source of estimated volume of estimated sylvatrage push distance Unadjusted hourly production. MATERIAL QUANTICATION OF THE NATION OF THE N	\$396.26 NTITIES 9,682 .110 1,847 LCY olume: Di well factor: Ca ICTION b: 150: oduction: 634 description: t: -5 %	feet 3 LCY/hr Compacted fill or			
Initial Volume: Swell factor: Loose volume: Source of estimated volume of estimated swell distance of the stimated swell factor of the stimated swell factor. HOURLY PRODU Average push distance Unadjusted hourly product of the stimated swell factor	\$396.26 NTITIES 9,682 .110 1,847 LCY Dilume: Di well factor: Ca VCTION e: 150: description: t: -5 % 6,600 feet	feet 3 LCY/hr Compacted fill or			
MATERIAL QUANTERIAL QU	\$396.26 NTITIES 9,682 .110 1,847 LCY Dilume: Di well factor: Ca VCTION e: 150: description: t: -5 % 6,600 feet 2,800 lbs/L Clay - Natu	feet 3 LCY/hr Compacted fill or			
Initial Volume: 1 Swell factor: 1 Loose volume: 2 Source of estimated volume of estimated sw. HOURLY PRODU Average push distance Unadjusted hourly product of the stance Unadjusted hourly product of the st	### \$396.26 NTITIES 9,682 .110 1,847 LCY olume:	feet 3 LCY/hr Compacted fill or	embankment 0.9		
Initial Volume: 1 Swell factor: 1 Loose volume: 2 Source of estimated volume of estimated systems of estimated sys	### \$396.26 NTITIES 9,682 .110 1,847 LCY olume:	feet 3 LCY/hr Compacted fill or CY	embankment 0.9		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	1.115	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction:

0.4103

Adjusted unit production:

260.25 LCY/hr

Adjusted fleet production:

520.5 LCY/hr

JOB TIME AND COST

Fleet size:

2 Dozer(s)

Unit cost:

\$0.761/LCY

Total job time:

41.97 Hours

Total job cost: \$16,632.39

Task description:	Re-grade W	ell Pads			
Nahcolite Projec	t	Permit Action:	TR-35	Permit/Job#:	M1983194
PROJECT IDEN	TIFICATION				
Task #: 05A	St	ate: Colorado	1	Abbreviation:	None
Date: 4/23/2				Filename:	TR-35
User: THM		1110 21411		1 11011411110.	110 33
Agency or	organization name:	DRMS			
	-				
HOURLY EQUI					
Basic Machine:	Cat D8T - 8SU 310				
Horsepower:					
Blade Type:	Semi-Universal				
Attachment:	NA				
Shift Basis:	1 per day				
Data Source:	(CRG)				
Cost Breakdown:			Utilization %		
Ownership Cost/H	our: \$:	56.69	NA		
Operating Cost/H		04.03	100		
Ripper op. Cost/H		0.00	0		
Operator Cost/H		37.41	NA		
Total unit Cost/Hou Total Fleet Cost/Hou					
	A BURNESS CO				
MATERIAL QU	ANTITIES				
Initial Volume:	74,547				
Swell factor:	1.110				
Loose volume:	82,747 LCY				
Source of estimated	volume: Div	ision of Reclama	ation, Mining & Safety		
Source of estimated		Handbook			
HOURLY PROI	UCTION				
Average push dista		*			
Unadjusted hourly		.1 LCY/hr			
Materials consisten		artly consolidate	ed stockpile 1.1		
			-		
Average push gradi					
Average site altitud	e: 6,600 feet				
Material weight:	_2,800 lbs/L0	CY	77-1712	_	
Weight description	Clay - Natur	al bed			
Job Condition Corr			Source		
	erator Skill:	0.750	(AVG.)		
	onsistency:	1.100	(CAT HB)		
Dozi	ng method:	1.000	(GEN.)		

Visibility:	1.000	(AVG.)
Job efficiency:	0.830	(1 SHIFT/DAY)
Spoil pile:	0.800	(FND-RF)
Push gradient:	0.903	(CAT HB)
Altitude:	1.000	(CAT HB)
Material Weight:	0.821	(CAT HB)
Blade type:	1.000	(PAT)

Net correction:

0.4061

Adjusted unit production:

413.04 LCY/hr

Adjusted fleet production:

826.08 LCY/hr

JOB TIME AND COST

Fleet size:

2 Dozer(s)

Unit cost:

\$0.480/LCY

Total job time: Total job cost:

100.17 Hours

\$39,693.04

Task description:	Distribute 6" of topsoil over 8	acre process pond are	ea	
Nahcolite Project	Permit Action:	TR-35	Permit/Job#:	M1983194
PROJECT IDENTIFIC	ATION			
Task #: 06A	State: Colorado		Abbreviation:	None
Date: 4/23/2014	County: Rio Blanco		Filename:	TR-35
User: THM				111.00
Agency or organiz	ration name: DRMS			
HOURLY EQUIPMEN	T COST			
	8T - 8SU			
Horsepower: 310				
	Universal	-8		
Attachment: NA				
Shift Basis: 1 per	day			
Data Source: (CRG	-	÷		
Cost Breakdown:		29		
		Utilization %		
Ownership Cost/Hour:	\$56.69	NA 100		
Operating Cost/Hour:	\$104.03	100		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$37.41	NA		
Total unit Cost/Hour:	\$198.13			
	\$396.26			
MATERIAL QUANTI	<u> FIES</u>			
Initial Volume: 6,453				
Swell factor: 1.000 Loose volume: 6.453	LCV			
Loose volume: 6,453	LCY			
Source of estimated volume Source of estimated swell f		on, Mining & Safety		
HOURLY PRODUCTI	ON			
Average push distance:	150 feet			
Unadjusted hourly product				
Materials consistency descri	ription: Loose stockpile 1.2			
Average push gradient:	0 %			
Average site altitude:	6,600 feet			
Material weight:	1,600 lbs/LCY			
Weight description:	Top Soil			
Job Condition Correction F		Source		
Operator Sl		(AVG.)		
Material consister		(CAT HB)		
Dozing meth	nod: 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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 545.05 LCY/hr
Adjusted fleet production: 1090.1 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.364/LCY

Total job time: 5.92 Hours
Total job cost: \$2,345.73

Page 2 of 2

Task description:	Distribute 6" tops	soil over 6.2 ac	re process area		
Nahcolite Project	Perm	nit Action: _TF	R-35	Permit/Job#:	M1983194
PROJECT IDENTIF	<u>ICATION</u>				
Task #: 07A	State:	Colorado		Abbreviation:	None
Date: 4/23/2014	County:	Rio Blanco		Filename:	TR-35
User: THM		rao Branco		i nonamo.	110 33
A		1.40			
Agency or orga	nization name: _DR	MS			
HOURLY EQUIPMI	ENT COST				
Basic Machine: Ca	t D8T - 8SU				
Horsepower: 31	0				
	mi-Universal				
Attachment: NA	A				
Shift Basis: 1 r	per day				
	RG)				
Cost Breakdown:					
			Utilization %		
Ownership Cost/Hour:	\$56.69		NA NA		
Operating Cost/Hour:	\$104.03		100	<u> </u>	
Ripper op. Cost/Hour:	\$0.00		0		
Operator Cost/Hour:	\$37.41		NA		
Total unit Cost/Hour:	\$198.13				
Total Fleet Cost/Hour:	\$396.26				
Total Floor Cost Hour.	\$370.20		<u> </u>		
MATERIAL QUANT	<u> FITIES</u>				
Initial Volume: 5,0	00				
Swell factor: 1.00					
	00 LCY				
Loose volume5,00	DU LC I	_			
Source of estimated volu			Mining & Safety		
Source of estimated swe	ll factor: Cat Handl	book	_		
HOURLY PRODUC	'TION				
Average push distance:	150 feet				
Unadjusted hourly produ		hr	_		
Materials consistency de	escription: Loose s	stockpile 1.2			
Average push gradient:	0 %				
Average site altitude:	6,600 feet				
Material weight:	1,600 lbs/LCY				
Weight description:	Top Soil				
Job Condition Correction			Source		
Operator	r Skill: 0.	750	(AVG.)		
Material consis		200	(CAT HB)		
Dozing m	ethod: 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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 545.05 LCY/hr
Adjusted fleet production: 1090.1 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.364/LCY

Total job time: 4.59 Hours
Total job cost: \$1,817.55

Task description:	Replace	topsoil ov	er re-grade	ed well pads	and access	roads	
Nahcolite Project		Perm	nit Action:	TR-35		Permit/Job#:	M1983194
PROJECT IDENTI	FICATION						
Task #: 08A		State:	Colorado			Abbreviation:	None
Date: 4/23/2014	4 (County:	Rio Blanco)		Filename:	TR-35
User: THM						_	
Agency or org	anization nan	ne: DR	MS				
HOURLY EQUIPM	IENT COST	<u>T</u>					
Basic Machine: C	at D8T - 8SU	ī					
	10			→ 0			
	emi-Universa	1		_			
	IA						
	per day			-			
The second secon	CRG)			_			
Cost Breakdown:			1	7.7.11	0.4		
Ournarchin Cast/Hour		P56 60		<u>Utili</u>	zation %		
Ownership Cost/Hour Operating Cost/Hour		\$56.69			NA 100		
Ripper op. Cost/Hour		\$104.03 \$0.00			100		
					0		
Operator Cost/Hour	:	\$37.41			NA		
Total unit Cost/Hour:	\$198.13						
Total Fleet Cost/Hour:	\$396.26						
MATERIAL QUAN	TITIES						
	,394		_				
	000		_				
Loose volume: 28	,394 LCY		_				
Source of estimated vo			of Reclamati	on, Mining	& Safety		
Source of estimated sw	ell factor:	Cat Handl	ook				
HOURLY PRODUC							
Average push distance:	the state of the s	0 feet					
Unadjusted hourly prod	luction: 85	2.6 LCY/	hr				
Materials consistency of	lescription:	_Loose s	tockpile 1.2				
Average push gradient:	0 %						
Average push gradient. Average site altitude:	6,600 fee	at .	_				
Average site attitude:	_0,000 100						
Material weight:	2,100 lbs	s/LCY				_	
Weight description:	Earth - L	oam					
Job Condition Correcti	on Factor				Source		
	or Skill:	0.	750		(AVG.)		
Material cons			200		(CAT HB)		
Dozing r	nethod:	1.0	000		(GEN.)		
—				100			

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: 0.6544

Adjusted unit production: 557.94 LCY/hr
Adjusted fleet production: 1115.88 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.355/LCY

Total job time: 25.45 Hours
Total job cost: \$10,083.06

BULLDOZER RIPPING WORK

•	Task description	: Rip con	npacted areas	7-1			
Site:	Nahcolite Pro	oject	Permit Action:	TR-35	Permit/Job#	: M1983194	
	PROJECT ID	ENTIFICATION	Ī				
	Task #: 09	Α	State: Colorado	•	Abbreviation:	None	
		23/2014	County: Rio Blan	со	Filename:	TR-35	
	User: TI	HM					
	Agency	y or organization na	me: DRMS	1811			-
	HOURLY EQ	UIPMENT COS	$\underline{\mathbf{\Gamma}}$				
	Basic	Machine: Cat D	BT - 8SU		Horsepower:	310	
	Ripper At	tachment: 3-Sha	ık Ripper			per day	_
					Data Source: ((CRG)	_
	Cost Breakdown	<u>ı:</u>					
		O	TI	-2.00	Utilization %		
		Ownership Cost		53.00 04.03	NA 100		
	Rin	oper Operating Cost		6.53	100		
	Terp	Operator Cost		37.41	NA		
		Total Unit Cost		10.98			
		Total Fleet Cost.	Hour: \$4	21.97			
	MATERIAL	<u>QUANTITIES</u>					
		-	26	elected estimating	method: Area		
	Alternate Metho	ods:					
Seismic:	NA 10.70		Bank Volume:	NA	BCY	NA	
Area:	18.70	acres	Rip Depth (ft):	2.00	Volume: 60,339	В	CY or CC
		Source of estima	ed quantity: Staff	Estimate	77.0		_
	HOURLY PR	ODUCTION					
	Seismic:						
	Seisinic:	Sei	smic Velocity:	NA	feet/second		
	A						
	Area:	Average	Ripping Depth:	2.56	mnh		
		_	Ripping Width:	7.08	mph degrees		
			ipping Length:	300.00	feet		
			Dozer Speed:	88.00	feet		
			aneuver Time:	0.25	feet		
			n per unit area:	0.800	acres/hour		
	Job Condition C	Correction Factors					
	U	nadjusted Hourly U	nit Production:	0.800	Acres/hr		
			Site Altitude:	6,600	feet		
			Altitude Adj:	1.00	(CAT HB)		
			Job Efficiency:	0.83	(1 shift/day)		
			Net Correction:	0.83	multiplier		
		Adiusted H	ourly Unit Production	n: 0.66	Acres/hr		
			ourly Fleet Production		Acres/hr		
	JOB TIME A	ND COST		·			
	Fleet size:	2	Grader(s)	Total job tim	e:14.09	Hour	S

Task description:	Distribute 6" topsoil over18.7	acres of decompacted	area	
Nahcolite Project	Permit Action:	TR-35	Permit/Job#:	M1983194
PROJECT IDENTIFICA	ATION			
Task #: 10A	State: Colorado		Abbreviation:	None
Date: 4/23/2014	County: Rio Blanco		Filename:	TR-35
User: THM	CountyICIO Diano		i nonamo.	110-33
Agency or organiza	tion name: DRMS			
HOURLY EQUIPMENT	COST			
Basic Machine: Cat D8	T - 8SU			
Horsepower: 310		=		
	Jniversal	-0		
Attachment: NA		_		
Shift Basis: 1 per d	23/	_		
Data Source: (CRG)	a y	<u></u>		
				
Cost Breakdown:				
		Utilization %		
Ownership Cost/Hour:	\$56.69	NA		
Operating Cost/Hour:	\$104.03	100		
Ripper op. Cost/Hour:	\$0.00	0		
Operator Cost/Hour:	\$37.41	NA		
-		. 12.6		
	198.13			
Total Fleet Cost/Hour: \$	396.26			
MATERIAL QUANTIT	IEC			
MATERIAL QUANTITI				
Initial Volume: 15,053				
Swell factor: 1.000				
Loose volume: 15,053	LCY			
Source of estimated volume:		on, Mining & Safety		
Source of estimated swell fac	ctor: Cat Handbook			
HOURLY PRODUCTIO	N			
Average push distance:	100 feet			
Unadjusted hourly productio	n: 852.6 LCY/hr			
Materials consistency descrip	ption: Loose stockpile 1.2			
Average push gradient: 0) %			
	5,600 feet			
Average site attitude:	,000 1001			
Material weight:	,600 lbs/LCY			
Weight description:	Γop Soil			
Job Condition Correction Fa	ctor	Source		
Operator Ski		(AVG.)		
Material consistence		(CAT HB)		
Dozing metho	d: 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:	1.438	(CAT HB)
Blade type:	1.000	(PAT)

Net correction: 0.8593

Adjusted unit production: 732.64 LCY/hr
Adjusted fleet production: 1465.28 LCY/hr

JOB TIME AND COST

Fleet size: 2 Dozer(s)
Unit cost: \$0.270/LCY

Total job time: 10.27 Hours
Total job cost: \$4,070.86

REVEGETATION WORK

Task description: Revegetate 44.9 acres

Site: Nahcolite Project Permit Action: TR-35 Permit/Job#: M1983194

PROJECT IDENTIFICATION

Task #:11AState:ColoradoAbbreviation:NoneDate:4/23/2014County:Rio BlancoFilename:TR-35User:THM

Agency 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)		\$98.01
Weed control spraying (MEANS 31 31 16.13 3100)		\$145.20
	Total Tilling Cost/Acre	\$243.21

SEEDING

Seed Mix	Rate – PLS LBS / Acre	Seeds per SQ. FT	Cost /Acre
Alkali Sacaton	0.10	3.90	\$2.28
Crested Wheatgrass - Ephraim	4.00	18.37	\$8.92
Blue Wildrye - Arlington or Elkton	1.50	5.17	\$17.88
Russian Wildrye - Bozoisky	1.50	6.03	\$9.36
Hard Fescue - Discovery	1.00	12.97	\$2.09
Pubescent Wheatgrass - Luna	1.50	3.10	\$3.36
Yellow Sweet Clover - Madrid	0.50	2.98	\$1.28
Tall Wheatgrass - Jose	1.80	3.26	\$4.05
Thickspike Wheatgrass - Critana	4.30	15.20	\$22.23
Sweetvetch, Utah or Northern	0.10	0.05	\$4.09

Western Wheatgrass - Barton		1.50	3.79	\$5.52
Yarrow, Western		0.20	12.16	\$6.13
	Totals Seed Mix	18.00	86.97	\$87.18

Application

Description		Cost /Acre
Drill seeding (MEANS 32 92 19.13 0020)		\$404.00
	Total Seed Application Cost/Acre	\$404.00

MULCHING and MISCELLANEOUS

Materials

Description	Units / Acre	Unit	Cost / Unit	Cost /Acre
Herbicide - 2,4D @ 1.0 pt/ac	2.00	ACRE	\$1.23	\$2.46
Straw, delivered {MEANS 31 25 14.16 1200}	2.00	TON	\$265.00	\$530.00
Total Mulch Materials Cost/Acre				\$532.46

Application

Description		Cost /Acre
Crimping, with tractor {DMG survey data}		\$65.89
Power mulcher (MEANS 32 91 13.16 0250)		\$86.68
	Total Mulch Application Cost/Acre	\$152.57

NURSERY STOCK PLANTING

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

JOB TIME AND COST

No. of Acres: 73.76

Cost /Acre: \$1,419.42

Estimated Failure Rate: 30%

Cost /Acre*: \$1,419.42

*Selected Replanting Work Items: TILLING, SEEDING, MULCHING

Initial Job Cost: \$104,696.42

Reseeding Job Cost: \$31,408.93

Total Job Cost: \$136,105.34 Job Hours: 73.76

EQUIPMENT MOBILIZATION/DEMOBILIZATION

	rask description:	Modifization				
Site:	Nahcolite Project	Permit Action:	TR-35	Permit/Job#:	M1983194	

PROJECT IDENTIFICATION

Task #:12AState:ColoradoAbbreviation:NoneDate:4/23/2014County:Rio BlancoFilename:TR-35

User: THM

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:	\$16.63	\$18.37	\$22.33
Operating Cost/Hour:	\$44.38	\$46.13	\$50.07
Operator Cost/Hour:	\$27.66	\$27.66	\$27.66
Helper Cost/Hour:	\$0.00	\$25.39	\$25.39
Total Unit Cost/Hour:	\$88.67	\$117.55	\$125.45

NON ROADABLE EQUIPMENT:

Machine	Weight/	Owner ship	Haul Rig	Fleet	Haul Trip	Return Trip	DOT Permit
Description	Unit	Cost/hr/ unit	Cost/hr/unit	Size	Cost/hr/	Cost/hr/ fleet	Cost/ fleet
_	(TONS)				fleet		
Cat D8T - 8SU	53.08	\$65.28	\$125.45	2	\$381.46	\$250.90	\$500.00
Drill/Broadcast Seeder with Tractor	25.00	\$39.59	\$88.67	1	\$128.26	\$88.67	\$250.00
Power Mulcher (Reinco M90)	6.00	\$7.03	\$88.67	1	\$95.70	\$88.67	\$250.00

Subtotals: \$605.42 \$428.24 \$1.000.00

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.	\$14.59	2	\$29.18	\$29.18

Subtotals: \$29.18 \$29.18

EQUIPMENT HAUL DISTANCE and Time

Nearest Major City or Town within project area region:

Total one-way travel distance:

Average Travel Speed:

RIFLE

60.00

miles

40.00

mph

Total Non-Roadable Mob/Demob Cost *

'* two round trips with haul rig:
Total Roadable Mob/Demob Cost **

** one round trip, no haul rig:

\$6,311.82

\$87.54

Transportation Cycle Time:

	Non-Roadable Equipment	Roadable Equipment
Haul Time (Hours):	1.50	1.50
Return Time (Hours):	1.50	1.50
Loading Time (Hours):	0.50	NA
Unloading Time (Hours):	0.50	NA
Subtotals:	4.00	3.00

JOB TIME AND COST

Total job cost: 8.00 Hours

Total job cost: \$6,399.36