C.S. # 220

F.B. 6-57

Book #6

MINING
TRANSFER BOOK
1863

BENTON CO. ORE.

6

Preliminary for ditch line

57	B.S.	H.I.	F.S.	Elev.	
B.M. 1	3.05	103.66		100.	B.M. on oak tree across creek
S. egg bank			2.7	100.8	
West 20			2.9	100.6	
			2.9	100.6	
Surface nw Tp	8.05			91.95	
N bank			5.8	98.7	
N 70			4.3	99.2	
			5.0	98.5	
0 at T			4.6	98.4	
1.00			4.1	4.1	
2.00			2.7		
3. Tp 1	5.84	105.78	3.11	99.94	
4			5.2		
5			4.8		
6			4.9		
		103.38			
Tp+ R68 195	2.75	97.38	5.25	100.53	
Tp3 R55 390 bottom fill	6.92	104.68	5.52	97.76	
			10.4	94.24	
Tp 3 3.48	8.88	109.45	7.11	100.57	
through egg			1.88		
From Tp 2	1.24				
B.S. on Tp 1	4.32	104.26		99.94	
	2.30	105.77	.79	103.47	
			97.80	8.50	Bottom ditch
			96 ±	9.3	
			95.7	6.0	
				4.27	
Tp	3.28				101.50

J.E. Buchanan Mch 31 - 1911

#220

91.95

6.05

6.00.0
R 68.
195.
255
390
348

20 5½ W 20

	H.I.	F.S.	Elev.	
136.	104.78	5.5	99.2	
		8.5	96.2	bottom
		4.8	99.9	
		3.7		gge side 101.0
		5.1	99.6	
		4.3	100.4	
		4.3	100.4	

Assume Crest of dam 98.00
" Bottom ditch 97.2

Cross Section ℄ Creek.

South B.M. 4.38 104.38

Sta			
0		100.0	South
+10	4.66	99.72	
+20	6.0	98.38	
+30	6.3	98.08	
+37	6.1	98.28	
+47.5 bank	5.8	98.58	
49.5	7.5	96.88	Top bank
	mud surface	91.95	Surface Water level in ditch
+57.	4.5	87.45	
+61.	4.9	87.05	
+69	3.7	88.25	
+75	3.3	88.65	
+80		91.95	Water edge S
+90		4.7 99.68	7.5 to BM
		3.6 100.78	

5.3
5.2
6.0 2
5.7 5
6.3
6.2
7.15
6.7

58

	B.S.	H.I.	F.S.	Elev.	Grade Elev.
B.M. 1	4.38	104.38		100.00	97.50
sta 0	Grade -.05%		3.76		
sta +50			4.66	99.72	97.175
+100			3.17	101.21	97.175
+150			3.24	101.14	97.15
1+75 AP			R.89	101.49	97.125
R			R.66	101.72	97.100
~~Angle at 1+75~~			3.15	101.23	97.075
+50					
3+~~75~~ 1	1.49	102.05	3.82	100.56	97.05
+50			R.27	99.790	97.025
4			R.18	99.87	97.00
+50			R.75	99.30	96.975
+~~50~~ 2 R.			3.52	98.53	96.95
5			3.39	98.660	96.925
+50			R.57	99.48	96.90
6 +			R.21	99.840	96.875
+50			R.91	99.14	96.85
7 TP R	3.95	102.89	3.06	99.830	96.825
Ang at 7 +50			3.76	99.13	96.80
8			4.33	98.560	96.775
+50			4.41	98.48	96.75
9			4.44	98.450	96.725
+50			4.91	97.98	96.70
10			4.91	97.98	96.675
+50			4.27	98.62	96.65
11 TP 3	R.76	101.38	3.89	97.49	96.64
Sta A +30					
+50			3.22	98.160	96.625
12			R.77	98.61	96.60
+50			3.06	98.320	96.575

Curbs 97.9R
curb 97.20
3.22 R -.52 +
4.035
3.99
4.365
4.62
4.155
3.51 .66 Top of Guard
2.755
R.87
R.325
1.58
1.735
2.58
2.965
2.29
3.005
2.33
1.785
1.73
1.725
1.28
1.305
1.97
0.85
1.535
2.01
1.745
Change Grade to 97.0

97.2
97.1
100.48
97.20
3.28

102.89
97.20
5.69

102.05
97
5

100.42
97.20
03.22

104.38
3.82
100.56
1.49
102.05
R.91
99.14
3.75
102.89
4.27
98.62
2.74
101.38

Sta.	B.S.	Ht.	F.S.	Elev.	Grade
9					
13		101.38	3.39	97.99	96.55
+5			3.36	98.020	96.525
14			2.62	98.76	96.50
+ 15.3 ∠ R			2.42	98.960	96.475
+50					
15 + TP 4	2.56	101.46	2.56	98.90	96.45
+50			1.89	99.570	96.425
16+			1.22	100.24	96.40
+50			.69	100.770	96.375
17			.48	100.98	96.35
+50			1.51	99.950	96.325
18 ∠ Left			2.98	98.48	96.30
+50			1.91	99.55	96.275
19 + T.P. 5	4.98	103.41	3.03	98.43	96.25
+50			4.55	98.860	96.225
20			4.27	99.14	96.20
+50			4.59	98.820	96.175
21			4.88	98.53	96.15
B. M 2			0.79	102.62	
Line A.				97.49	96.64
To Y = 11 + 30	3.59	101.08			
+50			4.18	96.900	96.635
1			4.89	96.19	96.63
+50			4.71	96.37	96.625
2			4.60	96.48	96.620
+50			4.63	96.45	96.615
Angle 3 at 3			4.79	96.29	96.61
+50			5.70	95.38	96.605
+ 63 Angle			4.60	96.48	96.60
4.					

cuts to fill

1.44
1.495
2.26
2.485
2.45
3.145
3.84
3.995
4.63
3.625
2.18
3.275
2.18
2.635
2.94
2.645
2.38

on 6" crushed stone

W 820 + 50 Lateral A. 0.10 0/0 = 10 ft per 100 ft

Grade of

.85

-.265 cut

+.44
+.655
+.14
+.165
+.32
+.255
+.12

3.52

2.04
.60
1.44
2.095
1.495

2.095
5
2.595

3.055
3.05

97.82

101.38
2.148
98.90
2.156
101.46
3.03
98.43
4.41
103

97.49
3.59
101.08

96.605
45 1.35
1.22

Sta.	B.S.	H.I.	F.S.	Elev.	Grade
60					
+50		101.08	5.00	96.08	96.595
5+Tp.6	4.160	100.42	4.820	96.26	96.59
+50			4.31	96.11	96.585
6			3.98	96.44	96.58
+50			4.51	95.91	96.575
7.			4.80	95.62	96.57
+25.3 Lft.			4.37	96.05	96.565
+.50			4.93	95.49	96.56
8			4.16	96.26	Top curb
B.M 3.					Elev 25

S 27° E 75.5 to B.M.
Beg of Curve, dam. S 1° W 121-45

Δ 0-1	N 86° 10' E		475.0 ft.
1	S 39-15 E	32'	curb.
Δ 2	S 87-10 E	220	486.0 ft.
2	S 86-26 E	55	
2	S 56-40 E	150'	
3	S 77-E		
Δ 3	N 75° 30' E	700'	
3	S 25-40 E	92	
3	S 38-50 E	135'	
Δ 4	N 20° 14' E	1130.0'	at Y on bk.
Δ 5	N 20° 42' E	1305.3	
Δ 6	N 46-39 E	1800	
Δ 7	N 19° 40' E	2100.	End.
to Δ 4 = 1130.	S 3° 11' E.	300	
3+63.	S 29° 12' E	363	
"	S 26 E	145.0	curb
	S 61° E	166	
7+25.5	S 89-08 E	925.3	
"	S 54-50 W	175.0	
"	S 18-00 W	1780	curb
"	S 4-15 E	32.	
"	S 34-19 W	1599	E To curb 20
8	N 45-30 E	75	To E
a 1	N 37-49	332	curb R 25

cuts fills

+.515
+.33
+.475
+.14
+.665
+.95
+.515
+1.07

96.57
95.62
0.95

101.08
4.82
96.26
4.16
100.42

N 13° 41 E
S 66-48 E
S 35 W 100 to forks
N 38-25 E
S 61° E
N 30 E
5 N 9° 30 E
6 N 28-15 E
7 N 18-50 W
8 N 86-10 W
7 S 33-45 W
10 S 40-35 W
11 S 33-30 W

548' curb R 300
398'
curb radius
R 750
190'
curb
50'
440' +200 R 101' R 110 curb
406'
460
R 45 bell
380' to bell
410
270 To R 100

Lo End Hitch

Time 2 days 6-12
designs, diameter, plate for Sunday 10

Laid