

← A4 →

← LETTER →

1907

ARNOLD DRAIN  
GIBBS ET AL DRAIN



165) 6340 ( 38.42  
495  
1390  
320  
700  
660  
400  
36.

80 rd. South of center <sup>1</sup>  
634 ft West of center  
Arm begins 80 rods South  
and 38.42 rods West of  
the center of section 26.

Main Ditch <sup>begins</sup> 40 rods  
N of road running E + W.  
through center of



← A4 →

Arnold Drain

Arm to 2,

65

Arm to 3

← LETTER →

40

5

3



A.A. Surber

a.

A 20 off of South 40a

~~543~~ 543a off road r

Frank Marvel

8.

Albert Hegan r

32½

J.B. Schenck r

35

Henry & Smith.

80  
70

80  
213  
545

12

2

8

25

20

72½

8

32½

35

70

987

5



6

Those who helped Nov. 27

DS

4.50  
1.25  
6.25

7

Wm Gibbs

3 days

\$ 4.50

Chas Coffman & Stokes

3 days + 175 stakes

6.25

Theodore Stranmyer 1 1/2 day

1 1/2 day

2.25

Albert Yarnick 1 1/2 day

1 1/2 day

Ed

2.25



260 ft East

Survey of Gibbs et al. claim

2 9  
Nov. 28 1905

Beginning at a point

6.06 ch. N. and 20.00 ch. E  
of E 1/2 mile part of section  
26, Township 17 North Range  
1 East thence

S 8° W to	3.75	375 ft	
thence S 32 1/2° W to	800	425 ft	
" S 45 1/2° W "	1275	475 "	
" S 6° E to	1900	625 "	
" S 22° E to	2375	275 "	
" S 14° W to	2650	275 "	
" S 4° W to	3000	350 "	
" S 22° E to	3450	450 "	#
" S 44° E to	3800	350 "	#
" S 26° E to	4100	300 "	
" S 40° E to	4400	300 "	
		4400	



19° E to 4655  
 hence S 56½ W to 5050  
 " S 30 W to 6015  
 " S to 6425  
 " S 5½ W to 6680  
 " S 25 W to 7400  
 " S 13½ W to 7675  
 " S 14½ E to 8180  
 " S 27½ W to 8400  
 " S 46 W to 8700  
 " S 37 W to 9000  
 " S 43½ W to 9245  
 " S 21½ W to 9600  
 " S 80 W to 10000  
 " S 52 W to 11125  
 " S 47½ W to 11600  
 " S 47 W to 11980  
 " S 5 W to 12015

7615  
 400  
 12015 ✓ 255  
 Struck old ditch ✓ 395  
 ✓ 965  
 ✓ 410  
 ✓ 255  
 leaves at 74 ✓ 720  
 ✓ 275  
 old ditch 81 to 84 ✓ 505  
 leaves at 84 ✓ 220  
 struck at 87 ✓ 300  
 ✓ 300  
 ✓ 245  
 leaves old ditch ✓ 355  
 struck at 99 ✓ 400  
 ✓ 1125  
 ✓ 475  
 ✓ 380  
 ✓ 35  
 4015



14

Thence S 57 E to 4365

S 22 E to 5339

Emler my main ditch  
at stake 99'

4200

165 ✓

974 ✓

1139

4200

53395339  
5280  
59

15



116  
Leaves

Main Kitch

17

St.	Leaves				cut	cut	cut	cut	cut
B.M.	3.65								
0	4.65				3.72				
1	5.57	-92	-20	-72	3.00	12.			
2	5.38	+19	-20	+39	3.39	12			
3	5.20	+18	-20	+38	3.77	13			
4	5.55	-35	-20	-15	3.62	14			
5	4.50	+1.05	-20	+1.25	4.87	16			
6	5.15	-65	-20	-45	4.42	17			
7P	5.10				OK				
7	5.25	-15	-20	+05	4.47	17			
8	5.05	+20	-20	40	4.87	17			
9	5.04	+01	-20	+21	5.08	18.5			
10	5.30	-26	-20	-06	5.02	18.5			
11	6.45	-1.15	-40	-75	4.27	19.2			
12	7.00	-55	-40	-15	4.12	15.5			
13	8.22	-1.22	-40	-82	3.30	13.7			
14	5.82	-60	-50	-10	3.20	12			
	5.12				OK				
	3.52								
						213-4/10			2

cut on root-north side elm stump

7" tile



← A4 →

← LETTER →

19

Sta	JP								
	18	2.61				3.70			
						3.20			
15		2.75	-14	-50	+36	3.56	12.5		
16		3.55	-80	-50	-30	3.26	12.6	8" tile	
17		4.09	-54	-40	-14	3.12	12.	" "	
18		4.55	-46	-40	-06	3.06	11.4	" "	
19		4.60	-05	-40	+35	3.41	12.	" "	
20		4.86	-26	-40	+14	3.55	13.	" "	
JP		3.80				<u>67</u>			
21		4.10	-30	-20	-10	3.45	13.	" "	
22		4.08	+02	-20	+22	3.67	13	" "	
23		4.21	-13	-20	+07	3.74	13.5	" "	
24		5.00	-79	-20	-59	3.15	13	10" tile	
25		4.84	+16	-20	+36	3.51	12.3	" "	
JP		4.60				<u>67</u>			
26		3.95	+65	-20	+85	4.36	15	" "	
27		4.50	-55	-20	-35	4.01	15.5	" "	
28		4.04	+46	-20	+66	4.67	16	" "	
JP		3.80				<u>67</u>			
							184 $\frac{4}{10}$		



<del>29</del>	3.82				4.67	cu ya
29	4.14	-60	-20	-40	4.27	16.5'
30	4.25	+15	-20	+35	4.62	16.5'
31	4.52	-29	-20	-09	4.53	17
32	3.95	+59	-20	+79	5.32	18.2
33	4.55	-90	-20	-70	4.62	18
33	3.40				OK	
34	3.72	-32	-20	-12	4.50	17
35	3.65	+07	-20	+27	4.77	17
36	4.10	-45	-20	-25	4.52	17
37	3.75	+35	-20	+55	5.07	24 <sup>16"</sup> mch
TD	4.17				OK	
38	4.23	-06	-20	+14	5.21	25
39	4.45	-22	-20	-02	5.19	25
40	5.75	-1.30	-20	-1.10	4.09	23
TD	5.00				OK	
41	4.65	+35	-20	+55	4.64	21.5
42	4.81	-16	-20	+04	4.68	24

279 <sup>5</sup>/<sub>10</sub>



st	22	481	Q.C.	grade	depth	cut	cut	cut	
43		6.21		-40 -20 -20	4.48	18" m/c	22.6	20.6	12' tile
44		5.96		-75 -20 -55	3.93	OK			
JP		4.30							
45		4.14		+16 -20 +36	4.29		23		
46		4.63		-49 -20 -29	4.00		23		
47		4.27		+36 -20 +56	4.56		24		
48		4.30		-03 -20 +17	4.73		25		
49		4.85		-55 -20 -35	4.38		25.6		
50		5.90		-1.05 -20 -85	3.53		23		
50		4.87			OK	Cut			
51		4.42	6.90	+44 -20 +64	4.17	1.70	5.5	of m/c	
52		4.23	(2.47)	+20 -20 +40	4.57		6		
53		5.00	8.60	-77 -20 -57	4.00	.40	6		
54		5.46	5.00 3.80	-46 -20 -26	3.74		3.8		
55		6.15	8.45 6.15	-69 -20 -49	3.25	1.95	4.0		
56		6.00	2.30	+15 -20 +35	3.60		5		
JP		7.00	6.60		OK				
57		4.41	7.00 2.60	-41 -20 -21	3.39	.79	5.5		
							222.1	219.	



← A4 →

← LETTER →

sta	in	out	cust	in	out	cust	in	out	cust
58	3.60	6.58	+81	-20	+10.1	3.29	4.40	1.42	15.3
59	3.75	2.98	-15	-20	+05	4.45			6.2
60	3.85	7.90	-10	-20	+10	4.55	.50		4.8
61	4.25	3.54	-.37	-30	-07	4.48			4.8
62	4.30	7.80	-05	-30	+25	4.73	1.23		6.8
63	5.41	3.50	-1.11	-30	-81	3.92			6.8
64	6.35	8.75	+06	-30	+36	4.28	.88		8.1
65	3.83	7.02	-28	-30	+02	4.30	1.11		8
66	4.62	3.19	-.79	-30	-49	3.81			8
67	4.86	7.08	+26	-30	+56	4.37	1.75		8
68	4.63	2.62	-27	-80	+03	4.40			9.5
69	4.82	7.64	+17	-30	+41	4.81	1.68		9.5
70	5.65	3.13	-1.3	-30	+83	3.98	1.35		12
71	3.66	6.00	+11	-20	+37	4.29			12
72	3.57		-01	-20	+19	4.48			12
									120-9/10

451  
3  
1  
25



← A4 →

← LETTER →

sta		Q.L.					cut	C. Genda		
73 <sup>26</sup>	3.57	6.85	+0.2	-2.0	+22	4.48	1.90	72	3.80	375
74	4.33	2.80	-78	-2.0	-58	4.12		14	14" tele	135
75	4.95	7.35	-62	-2.0	-42	3.70	1.30	14		
76	4.95	2.40	00	-2.0	+20	3.80		old ditch		
77	4.30		8.0	-2.0	+20	4.10		27		
78	3.93		+37	-2.0	+54	4.67		28.2		
79	4.57		-64	-2.0	-44	4.23				
80	4.60		-03	-2.0	+17	4.46		28		
81	5.60	6.90	-40	-2.0	-20	4.20	2.30	26	enter old ditch	
82	5.75	1.90	-75	-2.0	-55	3.65	2.07	14.1		
83	5.27	6.85	+57	-2.0	+77	4.42		14		
84	5.00	6.92	-30	-2.0	-10	4.32	2.40	14	old ditch here	
85	4.90	7.92	+70	-2.0	+90	5.22		31		
86	5.85		-1.55	-3.0	-1.25	3.97		3.0		
87	6.63	8.55	-78	-3.0	-48	3.49	1.37	2 H. Benders	old ditch	
9.8	4.55	1.52				4.15				
		9.27	1.30	30	1.20			288.10		
					1.6			295.1		



← A4 →

← LETTER →

st 28	9.55 slake	B.D.	2.45 1.04	1.00 1.01 3.5							
88	3.95		+60	30	+90	4.39		9.1			
89	2.75	6.75 2.00	+1.20	-30	+1.50	5.89	1.49	9.1			
90	4.04		-1.29	-30	-99	4.90		11.7			
91	4.68	7.29 4.67	-.64	-30	-84	4.56	2.02	11.7			
92	6.02	8.25 3.23	-.34	-30	-.04	4.52	1.79	10.7	16" tile		
93	6.40		-.38	-30	-.08	4.44		9			
94	5.60		-.20	-30	+10	4.54 OK	1.62	9			
95	4.40	7.92 3.52	+1.0	-30	+40	4.94	leaves old	9	ditto at 95+50		99
96	5.55		-1.15	-30	-85	4.09		30.			
97	6.10		-.55	-30	-25	3.84		29.2			119.28 21.4
98	6.60		-.50	-30	-20	3.64	leaves at	27.50			
99	3.90		+2.70	-30	+3.00	6.04 OK	1.04	3.8.1			26 10.9
100	1.20	6.50 5.60									
100	5.55		-4.35	-80	-3.85	2.75		9			
101	5.30	7.20	+2.25	-80	+75	3.54		9			
102	5.95	1.90	-.65	-80	-.15	3.39		9			
103	4.35	8.20 3.85	+1.60	-80	+2.80	5.44	1.64	9			
											237.3/10 239.6



← A4 →

← LETTER →

Sta	30	Make	10, 10			649	<sup>200</sup> C. G. da	464- 35- 4,29-	535- 300- 235-	31
104	6.32			-1.97	-50	-1.47	4.02	10		
105	6.20			+12	-50	+62	<u>4.64</u> 612	1.09	10	
99	3.00	6.55 3.55								
106	3.42			-42	-30	-12	4.52		11	
107	3.75	6.60 2.85		-33	-30	-03	4.49	1.84	11	
108	4.77			-1.02	-30	-72	3.77		13.3	
109	4.55	7.45 2.90		+22	-30	+52	4.29	1.79	13.3	
110	5.25			-80	-30	-50	<u>3.79</u> 612		13.3	
10	4.86									
111	4.65	7.40 2.75		+21	-30	+31	4.10	1.85	13.3	
112	5.00			-35	-10	-25	3.85		13.5	
113	5.15	7.85 2.70		-15	-10	+05	3.80	1.90	13.5	
114	4.07			+1.08	-10	+115	4.98		15.3	
115	5.12	7.90 2.78		-1.05	-10	-95	4.03	2.25	15.3	
116	4.25			+77	-10	+87	<u>4.90</u> 612	2.80	18.5	
99	3.40	6.50 3.10								
117	4.15			-75	-10	-65	4.25		41.3	
118	4.05	2.55 1.1		-50	-10	-40	3.85		37.3	
									249.9/10	



← A4 →

← LETTER →

32	stake 401	210		4.65			9.15	cut	engd		
11.9	4.55		-20	-10	-10		9.75	35.5	35.5	Total no. gas	33
11.94	6.02		-1.17	-10	-107		2.68		3/2	on main ditch	
120.15	6.45	6.10	-43	-10	-33		2.35	1.70	20.	1860 - 2/10	
D.M.	3.45	1.65						and send	867/10	Cost of digging	
									86.7	\$465.00	







36	6.50 Stake				off	cuyd				37
14	6.04	+46	-20	-06	5.18	22.2				
15	7.25	-1.21	-20	-1.01	4.12	21.4				
16	7.00	+25	-20	+45	4.57	20.				
17	7.90	-90	-20	-70	3.87	19.5				
TP	5.00				OK					
18	4.45	+55	-20	-75	4.62	19.6	10" tile			
19	4.56	-11	-20	+09	4.71	25.9	18" wide			
20	4.65	-09	-20	+11	4.82	26.5				
21	5.04	-39	-20	-19	4.63	26.2				
TP	3.55				OK					
22	3.80	-25	-20	-05	4.58	25.5				
23	4.24	-44	-20	-24	4.34	24.7				
24	4.45	-21	-20	-01	4.33	24.1				
25	4.50	-05	-20	+15	4.48	24.4				
TP	4.07				OK					
26	4.30	-23	-20	-03	4.45	24.7				
27	4.05	+25	-20	+45	4.90	25.5				
28	4.32	-27	-20	-07	4.53	27.4				
						367 4/10				



Stake	Depth	W	E	N	48 depth
29	4.32	00	-20	+20	5.03
30	4.35	-03	-20	+17	5.20
J.P.	5.50				6.75
31	5.50	-30	-20	-10	5.10
32	5.63	+17	-20	+37	5.47
33	4.20	+1.43 6.00 1.80	-20	+1.63	7.10
Bm	2.65				
34	5.45	-1.25	-20	-1.05	6.05
35	6.40	-95	-20	-75	5.30
36	6.77	-37	-20	-17	5.13
Q.P.	5.70				6.75
37	5.70	00	-20	+20	5.33
38	5.21	+49	-20	+69	6.02
39	6.27	-1.06	-20	-86	5.16
40	7.10	-83	-20	-63	4.53
Q.P.	4.05				6.75
41	5.00	-95	-30	-65	3.88
42	3.54	+1.46	+30	+1.76	5.61

cu ga

27.4

28.4

28.6

cut 29.1

5.33 30.

Point on elm in north

31.6

31.4

29.

29.1

31.5

31.5

26.9

23.3

26.4

404.710

39



240	Date	Q.L.								
43	4.66	-1.12	-30	-82	304	4.82				
44	4.98	-24	-30	+00		4.88				
45	5.80	-.90	-30	-60		4.28				
46	5.06		+09	-40		4.77				
47	5.50	7.86	-44	-40		4.73	2.37			
48	4.40	2.36	+1.10	-40		6.23				
49	5.98	9.20	-1.58	-40		5.05	2.83			
50	5.90	3.22	+08	-40		5.53				
51	6.60	9.95	-70	-40		5.23	1.88			
52	6.40	3.38	+20	-40		5.83				
53	8.35		-1.95	-40		4.28				
54	4.07					OK.				
58+59	5.35		68			4.62	1.67			
92	4.40	7.85								
		4.40								
		3.45								

92 = 4.42

cu yds  
2.19  
26.4  
25.4

24.8

20

14.4

14.14

13.1

13.1

8.2

8.2

3.2

174.4/10

Total C-yds in

arm -

1206.2/10

Cost of digging - arm

301.50



42

Total Cost of tile for

Main drain to arm 1637.82

Hauling Same 275.00

Cost of digging main drain 465.00

and arm 301.00

3500.00 2678.822675 25158221.00 137.137.00

6851.00

100

50

75

120

100

200

645.

43



Sta. 2163

Bill 2.60

50	4.65					
51	4.20	6.75	+ .75	+ 20	+ 65	
		2.55				
52	3.92	1.60	+ .28	- 20	+ 48	
53	3.98	6.58	- .06	- 10	+ 14	
		2.60				
54	4.42	6.80	- .44	- 10	- 34	
55	5.25	7.30	- .83	- 10	- 73	
		2.05				
56	5.19	7.98	+ .16	- 10	+ 26	
57	5.96	7.95	- .87	- 10	- 77	
		1.99				
58	4.35	8.40	+ .51	- 10	+ 61	
59	4.65					
59	3.58	6.40	+ 1.07	- 10	+ 127	
		2.82				
60	4.52	7.88	- .94	- 20	- 74	
		3.06				
61	4.92	7.83	- .40	- 30	- 90	
62	4.98	8.42	- .06	- 40	+ 34	
		3.44				
63	6.10	8.55	- 1.12	- 40	- 72	
64	5.88	9.58	+ 2.2	- 40	+ 62	

S. B. 22

35 ft. W of stake 30 to first

for bridge fence

3.33	4.68	8.25	3.57	
4.18	4.28	8.43	4.15	- 18
4.66	4.17	8.81	4.64	- 38
4.70		9.30		- 49
4.36	3.60	7.96	5.22	
		6.65	3.05	
3.63	4.00	6.50	3.58	
			3.50	
3.89	3.30	6.40	4.27	
			3.10	
3.12	3.78	6.26	3.65	
			3.48	
3.73	3.10	6.60	4.67	
			3.50	
4.90	3.36	6.90	4.91	
			3.54	
4.16	4.40	7.90	4.57	
			3.40	
4.06	5.00	8.05	5.2	
			3.05	
4.20	5.40	8.65	6.25	
			3.46	
3.68	6.45	9.06	2.87	
2.30	6.30	9.55	3.25	
	4.03	7.30		



Sta	46	Stake	B2			430	Sta.	Rod	Dif.	Grade	
65	6.45	8.70	-77	50	-27	4.03	4.40	7.31	4.89		7.63
		3.05							2.90		7.52
66	7.95		-7.30	50	80	3.23	4.63	7.77	3.31		
T.P.	5.75	7.65				OK			2.74		
67	5.18	7.88	+57	10	+67	3.90	5.43	8.40	4.14		
68	4.95	7.98	+23	10	+33	4.23	4.72	8.88	4.16	on bottom of d.	
B.M.	5.57	3' from W. side of Bridge									
69	4.46	7.35	+49	10	+59	4.82	4.18	7.80	4.78	-12	
70	5.38	7.80	-92	20	-62	4.20	5.88	8.10	4.18	-.30	
71	5.66	8.20	-28	40	+12	4.82	5.32	8.47	4.31	.37	
72	6.16	8.53	-50	40	+10	4.22	5.77	8.78	4.17	-.31	
73	6.68	8.98	-52	40	-12	4.10	6.28	9.18	4.06	-40	
74	7.40	7.48	-72	40	-32	3.78	6.90	8.42	3.77	-24	
T.P.	5.08	7.08				OK	5.21	7.70	3.65		
75	5.15		-.07	40	+03	3.81	5.37	7.74	3.62	-.04	
76	4.75		+40	-10	+50	4.31	4.97	7.70	3.98	+04	
77	4.72		+03	-10	+13	4.44	5.00	7.72	3.97	-.02	
78	4.76		-.04	-10	+06	4.50	4.91	7.84	4.18	-.12	



148

No

Hk. B.D.

79

5.68

-92

20

72

3.78

4.11

2.12

3.26

-.28

80

5.76

-08

20

+12

3.90

4.04

3.41

3.62

-.29

81

6.12

-36

-20

-16

3.74

6.34

8.66

3.57

-.25

82

6.55

-43

-20

23

3.51

5.73

7.85

3.37

T.P.

6.20

7.90

OK.

3

83

5.72

7.95

+48

20

+68

4.19

5.20

7.98

4.03

-.13

84

6.03

8.22

-36

20

-16

4.03

5.76

3.32

3.81

-.34

85

5.13

2.14

+95

20

+1.15

5.18

5.20

8.83

4.38

-.51

86

6.58

-1.45

30

-1.15

4.03

6.68

2.20

3.77

-.37

87

7.54

-96

30

-66

3.37

stake

gone

88

7.20

+34

30

+64

4.01

7.36

9.90

3.79

T.P.

3.95

6.20

OK.

7.0

4.27

6.93

3.20

89

2.32

2.75

+1.13

-30

1.43

5.44

3.00

7.09

5.34

-.16

90

4.12

3.82

-1.30

-30

-1.00

4.44

4.34

7.41

4.32

-.32

91

4.47

8.86

-35

30

-05

4.39

4.67

7.67

4.25

-.26

92

4.47

7.98

-20

30

+16

4.49

4.78

7.60

4.32

+.07

93

5.08

8.14

-41

30

-11

4.38

5.15

7.90

7.25

150

100

50

6349

4.50

7.74



Sta.	Rod.				
94	5.21	8.28	-13	-30	+17
T.P.	3.80				
95	3.67	7.00	+13	-30	+43
B.M.	3.20	NW. cor. of Bridge			
96	4.65		-98	-30	-68
97	5.22		-57	-30	-27
98	5.80		-58	-30	-28
99	6.58	8.60	-78	-30	-48
T.P.	4.70	2.02			
100	5.72	6.94	-1.02	-50	52
101	5.32	7.15	+40	-50	90
102	5.95	7.68	-63	-50	-13
103	4.35	8.33	+1.60	-50	+2.10
T.P.	1.78				
104	3.20	5.62	-1.42	-30	-1.12
105	2.68	6.38	+52	30	+82
106	3.32	6.68	-64	30	-34

Sta.	Rod	Gwt.
438	5.08	8.38
455	5.27	8.38
OK		4.61
498	3.68	7.18
	5.08	5.08
430	4.65	7.33
403	5.04	7.38
375	5.52	7.78
327	6.57	8.26
OK		3.27
275	7.84	8.00
365	5.34	7.46
352	5.60	7.58
562	8.98	8.15
OK		5.75
385	8.27	
450	3.30	7.90
492	2.68	8.08
498	3.40	8.90

2.50  
3.15  
±.55







MAIN DRAIN

54  
Std.

Rod.

55

0	5.22				3.50	
1						
2	5.84	- .62	- 20	- 40	3.08	
3	5.50	+ .34	- 10	+ 44	3.52	
4	5.29	+ .21	- 10	+ 31	3.83	
5	4.07	+ 1.22	- 10	+ 132	5.15	
6	4.42	- .35	- 10	- 25	4.90	
T.P.	4.80				6K	
7	5.32	- .52	- 20	- 32	4.58	4.47
8	5.40	- .08	- 20	+ 12	4.70	4.87
T.P.	3.88				6K	
9	3.86	+ .02	- 20	+ 22	4.92	5.08
10	3.85	+ 01	- 20	+ 21	5.53	5.02
11	4.64	- .81	- 20	- 61	4.52	4.27
12	4.73	- .07	- 20	+ 13	4.63	4.12
13	5.79	- 1.04	- 20	- 84	3.81	3.30
14	6.10	- .63	- 20	- 43	3.38	3.20



Sta.	Rod.						
56					3.34		
15	7.00	-.60	-90	+10	3.48	3.50	
16	8.18	-1.18	-90	-40	3.00	3.26	
17	9.12	-.94	-90	-94	2.76	3.12	
T.P.	5.01				OK		
18	5.40	-.39	40	+01	2.77	3.06	
19	5.07	+.33	40	+73	3.50	3.41	
20	4.88	+.19	40	+54	4.09	3.55	
21	5.60	-.72	40	-32	3.77	3.45	
22	5.87	-.27	40	+13	3.90	3.67	
23	6.48	-.61	40	-21	3.69	3.74	
24	7.45	-.97	40	-57	3.12	3.15	
T.P.	5.86				OK		
25	5.24	+.62	-20	+82	3.94	3.51	
26	4.65	+.59	-20	+79	4.73	4.36	
27	5.48	-.83	-20	-63	4.10	4.01	
28	5.10	+.38	-20	+58	4.68	4.67	
T.P.	4.10				OK		
29	4.62	-.52	-20	-32	4.36	4.27	

57



58

	4.62				4.62	
30	4.46	+ 16	-20	+ 36	4.72	4.62
31	4.73	- 27	-20	- 07	4.65	4.53
32	4.25	+ 48	-20	+ 68	5.33	5.32
33	5.00	- 75	-20	- 55	4.78	4.62
34	5.62	- 62	-20	- 42	4.36	4.50
T.P.	4.86				<u>6K.</u>	
35	4.72	+ 14	-10	+ 24	4.80	4.77
36	4.72	00	-10	+ 10	4.90	4.62
37	4.34	+ 38	-10	+ 48	5.18	5.07
T.P.	4.65				<u>6K.</u>	
38	4.80	- .10	-20	+ 05	5.23	5.21
39	5.94	- 1.14	-20	- 90	4.29	5.19
40	6.18	- 24	-20	- 04	4.25	4.09
T.P.	4.86				<u>6K.</u>	
41	4.44	+ 42	-20	+ 62	4.87	4.64
42	4.88	- .44	-20	- 24	4.63	4.65
43	5.21	- 33	-20	- 13	4.50	4.48
T.P.	4.42				<u>6K.</u>	

59



60

44	4.74	- 32	-20	-12	4.38	3.93
45	4.95	- 21	-20	-01	4.37	4.29
46	5.98	- 1.03	-20	-83	<del>3.54</del>	4.00
9.P.	5.06				6h	
47	4.67	+ 99	-20	+54	4.13	4.36
48	4.65	+ 02	-20	+22	4.35	4.73
49	5.18	- .53	-20	-33	4.02	4.38
50	6.24	-1.04	-20	-86	3.76	3.53

450

61



Arm  
62 Sta Stake

No. 1

63

0	3.18				400	3.00	6.90	$\frac{3.90}{8.9}$	4.13
1	3.83	- .65	- 30	- 35	3.6	3.72	6.60	$\frac{2.85}{2.5}$	3.71
2	4.28	- 1.05	+ 30	- 75	2.9	4.80	7.05	$\frac{2.25}{2.5}$	3.08
3	4.31	+ .57	- 30	+ 87	3.77	4.25	7.15	$\frac{2.90}{8.5}$	3.73
4	4.55	- .24	- 30	+ 00	3.83	4.10	7.60	$\frac{3.10}{8.5}$	3.93
5	4.57	- .02	- 30	+ 25	4.11	4.85	8.20	$\frac{3.35}{8.5}$	4.18
6	4.91	- .34	- 30	- 04	4.07	5.20	8.45	$\frac{3.25}{8.5}$	4.08
7	4.95	- .07	- 30	+ 23	4.30	5.85	8.65	$\frac{3.60}{8.5}$	4.43
T.P.	5.20				$\frac{4.30}{6.0}$				
8	4.52	+ .68	- 15	+ 83	5.13	4.35	8.80	$\frac{4.45}{8.5}$	4.28
9	5.26	- .74	- 15	- 59	4.54	5.15	8.93	$\frac{3.78}{8.5}$	4.61
10	5.37	- .11	- 15	+ 04	4.58	5.35	9.20	$\frac{3.85}{8.5}$	4.68
11	5.35	+ .02	- 15	+ 17	4.85	5.20	9.25	$\frac{4.05}{8.5}$	4.88
T.P.	4.28				$\frac{4.85}{6.0}$	5.90			
12	4.60	- .32	- 15	- 17	4.58	5.15	8.95	$\frac{3.80}{8.5}$	4.63
13	5.02	- .42	- 15	- 27	4.31	5.24	8.80	$\frac{3.56}{8.5}$	4.39
T.P.	5.00				$\frac{4.31}{6.0}$				



64	370	Stake	Dif.							
14	4.67	+ .33	-15	+48	49	4.83	8.87	4.83	4.87	
15	5.62	- .95	-15	-80	3.9	5.70	9.00	3.30	4.13	
16	5.42	+ .20	-15	+35	4.3	5.30	8.90	3.60	4.43	
T.P.	4.04				6R					
17	4.60	- .56	-20	+36	3.9	6.20	9.40	3.20	4.63	
18	4.03	+ .57	-20	+77	4.7	6.00	9.75	2.75	4.95	
19	4.28	- .25	-20	-05	4.7	6.40	10.10	3.70	4.70	
20	4.45	- .17	-20	+03	4.73	6.50	10.45	3.95	4.95	
T.P.	4.70				6R		8.45			
21	4.42	- .02	-20	+18	4.9	4.55	8.70	4.15	4.55	
22	4.87	- .45	-20	-25	4.60	4.90	8.55	3.65	4.65	
T.P.	4.46				6R					
23	4.55	- .39	-10	-29	4.3	5.30	8.80	3.50	4.50	+
24	4.90	- .05	-10	+05	4.42	5.10	8.65	3.55	4.55	
25	4.80	+ .10	-10	+20	4.62	5.00	8.80	3.80	4.80	
T.P.	4.46				6R					
26	4.90	- .34	-20	-14	4.48	5.75	9.30	3.55	4.55	

12 65  
96  
40  
25



27	4.95	-15	-20	+01	4.71
T.P.	4.93				6.7
28	4.78	+05	-20	+25	4.78
29	4.70	+18	-20	+38	5.11
T.P.	4.43				6.7
30	4.03	+40	-10	+50	5.03
T.P.	4.21				6.7
31	4.60	-39	-10	-29	5.37
32	4.72	-12	-10	-02	5.37
33	3.45	+1.27	-10	+137	6.72
T.P.	3.80	$\frac{5.71}{1.91}$			6.7
34	4.85	-1.05	-20	-85	5.81
35	5.52	-1.67	-20	-41	5.40
36	6.00	-48	-20	-28	5.12
37	6.37	-37	-20	-17	4.95
T.P.	6.50				6.7
38	5.83	+67	-20	+87	5.83
39	7.00	-1.17	-20	-97	4.85

5.50	9.65	3.75	4.71
5.00			
4.90	8.75	3.85	4.85
4.45	8.60	4.15	5.15
4.25	8.57	4.32	5.32 +
	.88		
5.55	9.45	4.40	5.40
5.80	10.15	4.25	5.25
4.30	10.11	5.85	6.85
5.75	10.50	4.75	5.75
6.60			
5.55	9.70	4.15	5.15
5.50	9.50	4.00	5.00
5.53	9.63	4.00	5.00
6.22	10.10	4.88	5.88
6.20	10.25	4.05	5.05

on bank



Sta 68					Sta 69				
					4.4	5.3+8.9	5.05	9.25	
40	7.63	-63	20	-43	4.4	6.90	10.50	3.60	4.20
I.P.	3.68				6.25	9.05			4.60
41	4.70	-1.02	-20	-82	3.60	5.25	8.05	2.80	3.80
42	3.68	+1.02	-20	+1.22	4.0	3.85	7.85	4.90	5.00
I.P.	5.36								
43	6.25	-.89	-30	-59	4.2	4.95	8.20	3.25	4.25
44	6.22	+03	-30	+33	4.5	5.10	8.70	3.60	4.60
45	7.15	-.93	-30	-63	3.9	4.55	7.40	2.85	3.85
46	7.90	-.75	-30	-45	3.4	4.95	7.60	2.65	3.65
I.P.	5.05								
47	4.85	+20	+30	+50	3.9	4.70	7.80	3.10	4.10
48	3.65	+1.20	30	+1.50	3.4	3.40	7.95	4.55	5.55
49	4.85	-1.20	30	-.90	4.5	4.72	8.35	3.63	4.63
50	4.49	+36	30	+66	3.2	4.55	8.70	4.15	5.15
51	5.19	-.70	35	-35	4.8	5.25	9.20	3.95	4.95
52	5.05	+14	35	+49	5.3	5.10	9.60	4.50	5.50
53	6.92	-1.87	35	-1.52	3.8	7.05	10.25	3.20	4.20
I.P.	4.25								
53+36 525 19.21+20					or down to till				



154

51 3.10 6.31 - 38 - 30 - 1.32 9.22 2.60 21.55  
 52 2.58 6.18 + .52 - 30 + 8.2 5.74 3.88 2.10  
 53 4.10 6.54 - 1.52 - 30 - 1.22 4.52 1.92 1.52  
 53 12/2.0 1.8  
 1 1/80

Claud Hollett,  
 Salmers  
 Krug Stone

241 4.60 2.10  
 125 4.00 2.10  
 8.66 826 7.52  
 6.24 1.58 1.22  
 3.62 5.84 4.02 3.74  
 6.57 4.77 5.74  
 3.27 4.77 5.74  
 8.66 7.46 4.38 5.74  
 1.25 1.57 3.82 4.82  
 5.81 5.04 5.7  
 6.34 5.70 1.58  
 3.57 3.70 1.30  
 4.52 9.16  
 1.22 3.60  
 6.74 3.56 5.76  
 8.2 3.74 3.85  
 7.15  
 1.58  
 2.73



156 Albert Garner v 53 a,  
 Collins v 20 a,  
 Free v 7 a,  
 Newton v 30 a,  
 Sibbs v 156 "  
 Shaming v 154 "  
 Bum v 126 "  
 Coffman v 20 "  
 Hopkins h 30  
 Leland v 7  
 Maloney v 15  
 Holloway v 30  
 Arbuckle v 40  
 Mahy v 50

157  
 John Wilson  
 in care of  
 Ed Denton  
 Route No 2

Brownsburg  
 515  
 4.65  
 .50  
 812  
 1.25  
 9.37 770 774  
 611 8.40  
 3.26 11.6 637  
 8.86 7.03  
 621  
 3.65

0  
 1  
 2  
 3  
 4  
 5  
 6  
 7  
 8  
 9  
 10  
 11  
 12  
 13  
 14  
 15  
 16  
 17  
 18  
 19  
 20  
 21  
 22  
 23  
 24  
 25  
 26  
 27  
 28  
 29  
 30  
 31  
 32  
 33  
 34  
 35  
 36



1.38  
 7" pipe from 0 to 16 1/2'  
 8" " " 16 to 24 12"  
 10" " " from 24 to 44 18"  
 12" " " 44 to 74  
 14" " " 74 to 92  
 16" " " 92 to end <sup>120x15</sup>

Arm

8" from plate 0 to 18  
 10" " " 18 to end,

1600 ft 7" pipe  
 2600 ft 8" "  
 5539 ft 10" "  
 3000 ft 12" "  
 1800 ft 14" "  
 2815 ft 16" "  
 17454

584	120	159
322	92	265
.62	2815	290
810	3339	175
116	18	780
14526	3539	116
171876		8.86
8.78		532
116		1180
997	535	
577	305	
417	235	8.96
	135	.52
	85	7.80
	4.78	116
	.54	6.67
847	584	415
114	480	2.46
9.63	1.14	
532	918	942
4.31	116	116
	1037	1058
	625	680
		3.65
	4.06	

0  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36