

①

set gun barrel for 1/4 cor.
between sec. 16 & 21 T30 S.
E. 4W. WM from witness
tree 12" Fir 566° W 161ks.
standing & in good shape.

Found 1 1/2" Iron Pipe
Sec. Cor. 15, 16, 21, & 22

✓✓

Point	Angle	Distance	
15, 16, 21, & 22 1 1/2 Iron P.			
#1 15+02°		1502°	East side River
#2 18+07°		305°	(Triangulate Page 3) Edge cor. road "W" side R
		502°	
23+09°			Top of ridge
		57°	
23+66°	43° 57' R.		Top of Ridge
		370°	True line Pages
27+37°	line	True =	
26° 46°	true line		5+6+7

36-17

Wells McAuliffe

SURVEY SECTION LINE
BETWEEN SEC. 16 & 21

T 30 S R 4 W W. M.
Jan 1942
for A1 Fee.

101-2 Cons. # 138-#139

#5

26+46° =
0+00

2+58°

258°

4+87°

229°

9+18°

430°

12+^{#9}80°

362°

^{#10}13+^{#11}74°

93°

14+36°

62°

15+70°

134°

16+51°

81°

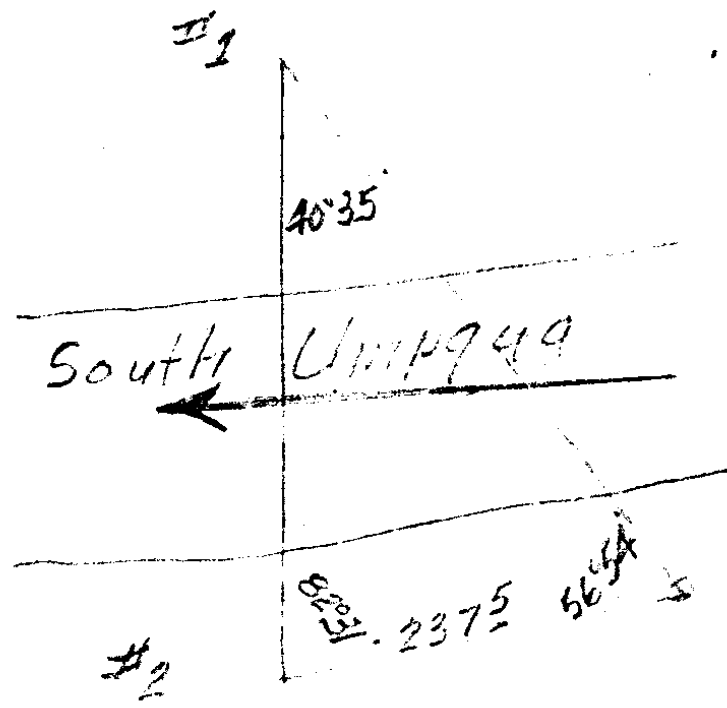
18+65° 0°16' Lt

213°

23+11°

445°

269°



$$\frac{\log \sin 56^{\circ}54' - \log \sin 40^{\circ}35'}{\text{side \#1 to \#2}} = 237.5$$

9.923098	log sin 56°54'
2.375664	log 237.5
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2.298762

9.813283	log sin 40°35'
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2.485479

log side #1 to #2

305.9 ft.

side #1 - #2

25480?

720564+

170?

274516

Gun Barrel Sec. Cor. 16, 17, 20, & 21
T 305 ~~AW~~ W

II

set gun barrel for Cor. 16, 17, 20, & 21
from 2 witness trees

28" Fir N 20 E 101 Ks good shape

30" Fir N 47 1/2 E 191 Ks " "

New Witness Trees

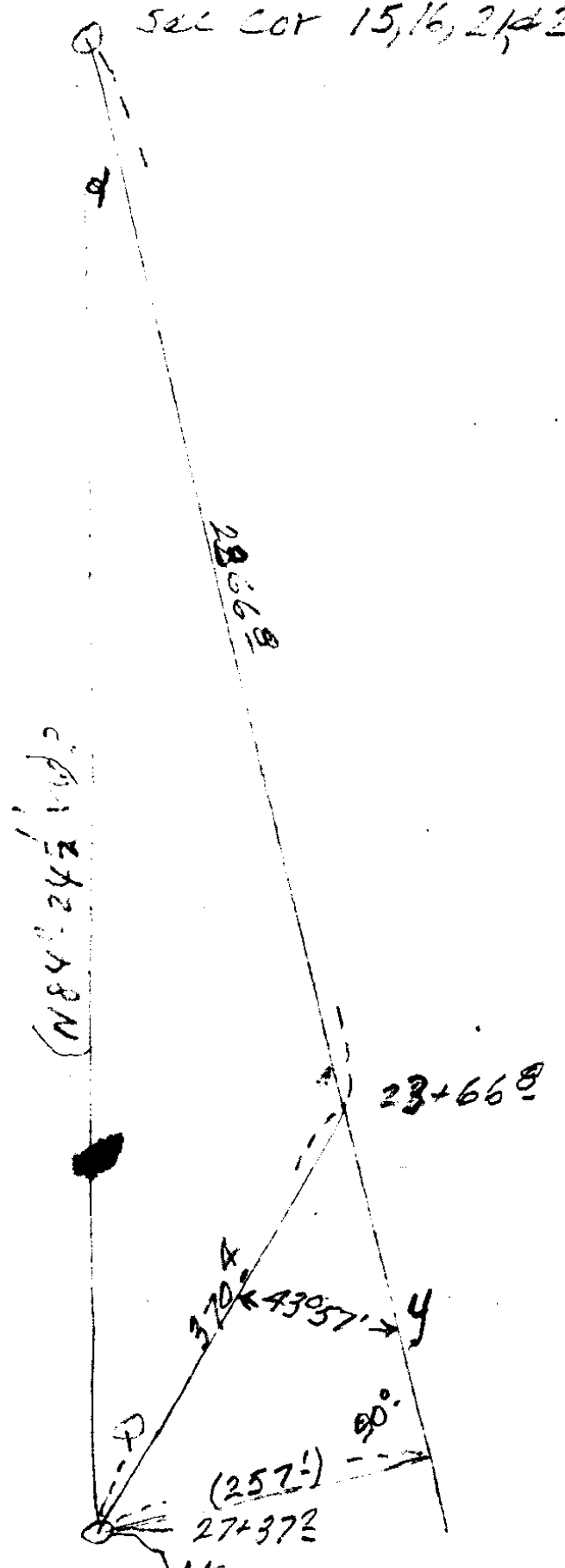
20" Fir S 74° W 22° Ft

8" Fir S 18° W 36⁵ Feet

✓✓

5

SEC COR 15, 16, 21 & 22



(6)

$$\begin{array}{r} \log \sin 43^{\circ}57' \quad 9.841378 \\ \log 370 \pm \quad \quad \quad 2.568671 \\ \hline = 2.410049 \\ = 257.1 \end{array}$$

$$\begin{array}{r} \log \cos 43^{\circ}57' \quad 9.857300 \\ \quad \quad \quad \quad \quad \quad \quad 2.568671 \\ \hline 2.425971 \\ = 266.7 \end{array}$$

$$\tan \phi = \frac{257.1}{2366.8 + 266.7} = 2633.5$$

$$\begin{array}{r} \log 257.1 \quad \quad \quad 2.410049 \\ \quad 2633.5 \quad \quad \quad 3.420533 \\ \hline \log \tan \phi \quad \quad \quad 8.989516 \\ \phi \quad \quad 5^{\circ}34\frac{1}{2}' \end{array}$$

$$\begin{array}{r} Q = 43^{\circ}57' \\ \quad \quad 534\frac{1}{2}' \\ \hline 3822\frac{1}{2}' \end{array}$$

$$\log 26335 = 3.420533$$

$$\underline{3.420533}$$

$$26335 \text{ square} = 6.841066$$

$$= \underline{6935317.3}$$

$$\underline{66084.2}$$

$$7001401.5$$

$$\log 257 = 2.410049$$

$$\underline{2.410049}$$

$$\text{square} = 4.820098$$

$$= 66084.2$$

$\log 7001401.5 = 6.845186$
 Li. Sq. Root. = 3.422593
 Distance on straight line to $\frac{1}{4}$ cor. 26460

③ → set gun barrel for $\frac{1}{16}$ th
corner $\frac{1}{2}$ way between sec. cor,
16, 17, 20 & 21 & $\frac{1}{4}$ cor between
sec 16 & 21 T. 30S R. 4W.
on true line.

Marked witness trees

40" Fir	N 4° W	63 ft
28" Fir	S 1° W	44 ½ ft.

✓

④ Set gun barrel for $\frac{1}{16}$ th cor
on true line & $\frac{1}{2}$ way between
sec. cor 15, 16, 21 & 22 & $\frac{1}{4}$ cor
between sec 16 & 21

Marked bearing trees

24" Fir	N 14° E	280 ft
16" Pine	S 14½° E	898 feet

✓

Kellis M. Auslund

SURVEY Sec. Line

Between Sec. 16 & 21

T 305 R 4 W W.M.

Jan. 1942

$$\text{Log } 163^{\circ} \quad 2.212676$$

$$\text{Log } 765^{\circ} \quad \underline{2.884115}$$

$$\text{Log tan } \alpha \quad 9.528561$$

$$\alpha = 12^{\circ} 02'$$

$$\Delta = 12^{\circ} 18'$$

$$\text{Log } \sin 12^{\circ} 02' = 9.990378$$

$$765^{\circ} \quad \underline{+ 2.884115}$$

$$2.893737$$

$$H = 783^{\circ}$$

$$\Delta 12^{\circ} 18'$$

$$783^{\circ}$$

$$\text{Log } \sin 12^{\circ} 18' \quad 9.328442$$

$$\text{Log } 783^{\circ} \quad \underline{2.893737}$$

$$2.222179$$

$$x = 166^{\circ}$$

$$\text{Log } \cos 12^{\circ} 18' \quad 9.989913$$

$$\underline{2.893737}$$

$$2.883652$$

$$y = 765^{\circ}$$

$$181652$$

$$765^{\circ}$$

$$\underline{26130.2} \text{ to ft } \angle \text{ Point}$$