

Records

403

corners

Ties

P9393- ^{Sines}
^{cos}
Tables

(1)

Records N°552

May 31 1940

Checking

Bearings

Record No 552

Sec 14-

N 56° 40' E =

33° 20'

~~Sin 54951 X~~

~~cos~~

$$\text{Sin } 54951 \times 63.84 = 35.08$$

$$\text{Cos } 83549 \times 63.84 = 53.34$$

Sec (23) -

$$\text{Sin } 82^\circ 12' \text{ E } 225.05$$

$$\text{Cos } 748'$$

$$\text{Sin } 13572 \times 225.05 = 3054.37 \text{ OK}$$

$$\text{Cos } 99075 \times 225.05 = 222.97$$

$$S 56^\circ 40' \text{ E } 70.75 = 33^\circ 20'$$

$$\text{Sin } 54951 \times 70.75 = 38.8778$$

$$\text{Cos } 83549 \times 70.75 = 59.1109$$

2

Record No 552

Sec 27

S 47° 20' W 47.55'

41° 40'

88 60

S 47° 20' E

42° 40'

89° 60'

~~S 47°~~

42° 40'

Sin 67.773 X 47.55' = 32.226

On 73531 X 47.55' = 34.9639

Record No 553-

Pg 201. Book D.

Sec 4

N 49°54'E 163

40°06'

89°60

40°06'

Sin 64412 x 163 = 104.991

Cor 76492 x 163 = 124.681

Sec 5

N 80°13'W 85.70

9°47'

89°60

9°47'

Sin 16992 x 85.7 = 14.562

Cor 98546 x 85.7 = 84.453

4

No 553- Cont'd

In Sec 8

S 56°30'W 848

33 30

89°60'

33°30'

Sin 55194 X 84.8 = 46.804

Cos 83389 X 84.8 = 70.713

In Sec 9

S 67°57'E 77.7

22 03

89 60

22°03'

Sin 37542 X 77.7 = 29.170

Cos 92686 X 77.7 = 72.017

Record No 354
Pg 202 Book D.

5

458916-17-135-29

In Sec 4

N 31°31'E 20.65

Sin $52275 \times 20.65 = 10,79 \times$

cos $85249 \times 20.65 = 17,603$

In Sec 5

N 48°33'W 58.80

$$\begin{array}{r} 21.27 \\ \hline 89.60 \end{array}$$

21°27'

Sin $36569 \times 58.8 = 21,502$

cos $93074 \times 58.8 = 54,7275$

In Sec 16

S 14°E 118.8

Sin $24192 \times 118.8 = 28,740$

cos $97030 \times 118.8 = 115,271$

In Sec 17

S 10°W 50

Sin $17365 \times 50 = 8,682$

cos $98481 \times 50 = 49,240$

6

N: 555

pg 209-D

Sec 4-5-137-29

32-33-138-29

In Sec 4

S 45° 45' E 68.82

= 44° 15'

89 60

44° 15' In Sec 4

Sin 69779 x 68.82 = 48.0219 OK

Cos 71630 x 68.82 = 49.2957

In Sec 5

S 58° 08' W 40.16

31 82

89 60

31° 52'

Sin 52794 x 40.16 = 21.202 OK

Cos 84928 x 40.16 = 34.107

In Sec (32) N 45° W 45

Sin 70711 x 45 = 31.8299

Cos 70711 x 45 = 31.8299

558

7

In Sec 33

N 4918' E 67.00

40°42'

89.60~~40°42'~~

~~Sum 65210 x 67 = 43647~~ NIX
~~Cor 75813 x 67 = 507947~~

~~Try 4942~~

Try 40°42'

Sum 65210 x 67 = 43690

Cor 75813 x 67 = 50794 OK

8

N^o 556

D

Sec 5-6-142-31 pg 213

31-32-143-31

In Sec (5)

S 37° 10' E 29.05

Sin 60414 X 29.05 = 17.5606

Cos 79688 X 29.05 = 23.149

In Sec (6)

S 62° 40' W 33.65

$$\begin{array}{r} 27 \ 20 \\ \hline 89 \ 60 \end{array}$$

27° 20'

Sin 45917 X 33.65 = 15.451

Cos 88835 X 33.65 = 29.892

In Sec 31

N 67° 20' W 134.65

$$\begin{array}{r} 22 \ 40 \\ \hline 89 \ 60 \end{array}$$

22° 40'

Sin 38537 X 134.65 = 51.8900

Cos 92276 X 134.65 = 124.249

556

9

In sec 32

N7°E 81.85-

Sm $12187 \times 81.85 = 9.975$

en $99255 \times 81.85 = 81.240$

10

557 P1 21x

29-30-31-32-137-29

26-27-34-35-137-30

In Sec (29)

N38°40'E 95.7

sin 62479 x 95.7 = 59.792

cos 78079 x 95.7 = 74.721

In Sec 30

N5°30'W ~~29.3~~ 93.3

sin 09585 x 93.3 = 8.942

cos 99540 x 93.3 = 92.87

In Sec (31)

S 33°20'W 35.5

sin 54951 x 35.5 = 19.507

cos 83549 x 35.5 = 29.6598

In Sec (32)

S 10°50'E 171.72

sin 18795 x 171.72 = 32.27477

cos 98218 x 171.72 = 168.659

557 (11)

In Sec (26)

N 9° 06' E 164

Sin $15816 \times 164 = 25,938$

Co $98741 \times 164 = 161,935$

In Sec (27)

N 13° 20' W 86.10

Sin $23026 \times 86.1 = 19,83$

Co $97304 \times 86.1 = 83,78$

In Sec (34)

S 50° 05' W 64.30

39 55

89 60

39° 55'

Sin $64167 \times 64.3 = 41,26$

Co $76698 \times 64.3 = 49,32$

In Sec 35

S 52° 13' E 55

37 47

89 60

37° 47'

Sin $61268 \times 55 = 33,70$

Co $79033 \times 55 = 43,47$

(12)

558

Secs 2-3-139-30

22-23-26-27-34-35

140-30

Pg 217

In Sec 2-

S59°50'E 76.20

30 10

89 60

3090'

Sine $50252 \times 76.2 = 38.292$

Cor $86457 \times 76.2 = 65.88$

In Sec 3

S37°10'W 56.70

Sin $60414 \times 56.7 = 34.254$

Cor $79688 \times 56.7 = 45.183$

In Sec 22-

N43°45'W 94.10

Sine $69151 \times 94.1 = 65.071$

Cor $72236 \times 94.1 = 67.974$

558

13

In Sec 23

N 6° 20' E 193.35

$$\text{Sine } 110.31 \times 193.35 = 213.28 \times$$

$$\text{Cor } 99390 \times 193.35 = 192.17$$

In Sec 26

S 43° 10' E 55.85

$$\text{Sine } 68412 \times 55.85 = 38.208$$

$$\text{Cor } 72937 \times 55.85 = 40.735$$

In Sec (27)

S 59° 50' W 69.65

30 10

89° 60

30° 10

$$\text{Sine } 50252 \times 69.65 = 35.000$$

$$\text{Cor } 86457 \times 69.65 = 60.22$$

14

558
could 558

In Sec 34

N 21° 02' W 90.9

$$\text{Sin } 35891 \times 90.9 = 32.6249$$

$$\text{Corr } 93337 \times 90.9 = 84.843$$

In Sec 35

N 49° 53' E 94.10

$$\begin{array}{r} 40 \cdot 07 \\ \hline 89 \cdot 60 \end{array}$$

40° 07'

$$\text{Sin } 64435 \times 94.1 = 60.633$$

$$\text{Corr } 76473 \times 94.1 = 71.961$$

559. P₇ 218

15

559

Sec

6 T141R28

31 142-28

1 141-29

36 142-29

In Sec 6-141-28

S86°40'E 89.85-

$$\sin 59716 \times 89.85 = 53.65 \times$$

$$\cos 80212 \times 89.85 = 72.070$$

In Sec 31-142-28

N59°37'E 148.3

30 23

89 60

30°23'

$$\sin 50578 \times 148.3 = 75.007$$

$$\cos 86266 \times 148.3 = 127.932$$

16

559
N^o 559 Contd

In Sec 1-141-29

S 28°02'W 70.65

$$\text{Sin } 46999 \times 70.65 = 33,20 \times$$

$$\text{Cor } 88267 \times 70.65 = 62.360$$

In Sec 36-142-29

N 62°13'W 133.3

$$\begin{array}{r} \text{Sin} \\ \text{Cor} \end{array} \quad \begin{array}{r} 2748 \\ \hline 89^{\circ}60 \end{array}$$

$$27^{\circ}47 \quad 133.5 \quad 62.23$$

$$\text{Sin } 46613 \times 133.3 = 62,1351$$

$$\text{Cor } 88472 \times 133.3 = 117.933$$

$$133.5 = 118.11$$

changed

S 26°47'W 69.10

$$\text{Sin-e } 45062 \times 69.10 = 31,14 \text{ W}$$

$$\text{Cor } 892713 \times 69.10 = 61,69 \text{ S}$$

N^o 560 P^g 221 D.
560 17

Sec 4-5-8-9-16-17

In Sec (4)

N 23°08'E 66.4

$$\text{Sm } 39287 \times 66.4 = 26.0865$$

$$\text{cr } 91959 \times 66.4 = 61.060$$

112274 51.0

In Sec (5)

N 32°17'W 51.00

$$\text{Sm } 53411 \times 51 = 27.2396$$

$$\text{cr } 84542 \times 51 = 43.116$$

In Sec (8)

S 66°20'W 50.4

23 40

89 60

23°40'

$$\text{Sm } 40141 \times 50.4 = 20.23$$

$$\text{cr } 91590 \times 50.4 = 46.16$$

18

560 cml
560

In Dec 9.

$$356^{\circ} 20'E \ 75.35$$

$$33^{\circ} 40'$$

$$89 \ 60$$

$$33^{\circ} 40'$$

$$\text{Sm} \quad 55436 \times 75.35 = 41.771$$

$$\text{Cor} \quad 83228 \times 75.35 = 62.712$$

In Dec 16

$$540^{\circ} 40'E \ 73.04$$

$$\text{Sm} \quad 65166 \times 73.04 = 47.597$$

$$\text{Cor} \quad 75851 \times 73.04 = 55.401$$

—

In Dec 17

$$S \ 27^{\circ} 05'W \ 52.25$$

$$\text{Sm} \quad 45529 \times 52.25 = 23.7889$$

$$\text{Cor} \quad 89035 \times 52.25 = 46.52$$

Martha and I

Work till midnight with
 Bab Dahms Book of Tables
 and Munroe Calculator

19

June 1-1940

With Reed at Orcis Survey
See 24-138-27 Box 250

June 2-1940 checking 'D'

June 3-1940

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