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Z-2-82

LOCATION

HOUSTON & GREAT NORTHERN R.R.
FROM TROUPE IN SMITH CO. THE POINT OF
JUNCTION WITH INTERNATIONAL R.R. TO MINEOLA
IN WOOD CO. THE POINT OF JUNCTION WITH T. & P. R.R.

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COUNTER 69301

HOUSTON & GREAT NORTHERN
R.R.

Office of the Houston and Great Northern Railroad
Company, Houston, Texas May 15th 1873

I hereby certify that the following is a correct description of the line and curves of the Houston and Great Northern Railroad from Trocise in Smith County, the point of junction with the International R.R. to Mineola (in Wood County) the point of junction with Texas & Pacific Rail Way as located completed and being constructed and as shown by map showing line profile and grades filed herewith. The Right of way taken or obtained is one hundred and fifty (150) feet in width. The lands for use of Stations so far as determined are indicated on the map.

Beginning 52 feet from the International Rail Road, measuring at right angles and on the st. side of the same from a point 640 feet north-erly from the N. end of the Depot platform; Thence following a tangent line N $7^{\circ} 55' E$. 920 feet; Thence following a line curving to the left with a radius of 1469 feet, for the distance of 680 feet; Thence following a second curve to left with a radius of 1433 feet for the distance of 1135 feet; Thence following a tangent line N. 64' 05" st 665 feet; Thence following a line curving to the right with a radius of 5730 feet, for a distance of 800 feet; Thence following a tangent

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line N. $56^{\circ} 05'$ W. 1400 feet: Thence following a
line curving to the left, with a radius of 1910
feet for a distance of 800 feet: Thence following
a tangent line N. $80^{\circ} 05'$ W. 1410 feet: Thence
following a line curving to the right with a
radius of 3820 feet, for a distance of 1190 feet.
Thence following a second curve to the right
with a radius of 2865 feet, for a distance of
525 feet: Thence following a tangent line
N. $57^{\circ} 45'$ W. 1220 feet: Thence following a line
curving to the left with a radius of 2865 feet
for a distance of 905 feet: Thence following
a tangent line N. $69^{\circ} 57'$ W. 8150 feet: Thence fol-
lowing a curve to the right with the radius
of 5730 feet, for a distance of 800 feet: Thence
following a tangent line N. $61^{\circ} 51'$ W. 3855 feet:
Thence following a line curving to the left with
a radius of 17189 feet, for a distance of 645 feet:
Thence following a tangent line N. 64° W. 2220
feet. Thence following a line curving to the
right with a radius of 2865 feet, for a distance
of 815 feet: Thence following a tangent line
N. $47^{\circ} 42'$ W. 1315 feet: Thence following a
line curving to the right with a radius of
1433 feet for a distance of 900 feet: Thence
following a tangent line N. $19^{\circ} 42'$ W. 850 feet:
Thence following a line curving to the left
with a radius of 8594 feet, for a distance of
900 feet: Thence following a second line

curving to the left with a radius of 1637 feet, for a distance of 1060 feet: Thence following a tangent line N. 62° 48' W. 5872 feet: Thence following a line curving to the right with a radius of 2865 feet for a distance of 1310 feet; Thence following a tangent line N. 36° 36' W. 5834 feet: Thence following a line curving to the left with a radius of 2865 feet for a distance of 700 feet: Thence following a tangent line N. 50° 36' W. 683 feet: Thence following a line curving to the right with a radius of 1433 feet for a distance of 742 feet: Thence following a tangent line N. 20° 55' W. 1600 feet: Thence following a line curving to the right with a radius of 1433 feet for a distance of 800 feet: Thence following a tangent line N. 11° 5' E. 550 feet: Thence following a line curving to the left with a radius of 1910 feet, for a distance of 1450 feet: Thence following a tangent line N. 39° 55' W. 650 feet: Thence following a line curving to the left with a radius of 1433 feet for a distance of 600 feet: Thence following a tangent line N. 63° 55' W. 500 feet: Thence following a line curving to the right with a radius of 2865 feet for a distance of 2125 feet: Thence following a tangent line N. 21° 55' W. 2005 feet: Thence following a line curving to the left with a radius of 11459 feet for a distance of 1700 feet: Thence

Following a tangent line N. $29^{\circ} 55'$ St. 970 feet
Thence following a line curving to the right
with a radius of 11459 feet for a distance of
2090 feet: Thence following a tangent line N
 $19^{\circ} 28'$ St. 5435 feet; Thence following a line
curving to the left with a radius of 3820 feet
for a distance of 935 feet: Thence following
a tangent line N. $33^{\circ} 50'$ St. 2666 feet: Thence
following a line curving to the left with a
radius of 2865 feet for a distance of 976 feet:
Thence following a tangent line N. $52^{\circ} 59'$ W.
4006 feet; Thence following a line curving
to the left with a radius of 1433 feet for a
distance of 1042 feet: Thence following a tan-
gent line S. $85^{\circ} 21'$ W. 883 feet: Thence follow-
ing a line curving to the right with a radius
of 1433 feet, for a distance of 1520 feet: Thence
following a tangent line N. $33^{\circ} 51'$ St. 600 feet:
Thence following a line curving to the left
with a radius of 3820 feet, for a distance of
1333 feet; Thence following a tangent line
N. $43^{\circ} 21'$ St. 1847 feet: Thence following a
line curving to the left with a radius of 1433
feet, for a distance of 880 feet; Thence follow-
ing a tangent line N. $48^{\circ} 33'$ St. 540 feet: Thence
following a line curving to the right with a
radius of 1910 feet, for the distance of 700 feet:
Thence following a tangent line N. $57^{\circ} 33'$ St.
850 feet: Thence following a line curving to

the right with a radius of 3820 feet, for a distance of 950 feet: Thence following a tangent line N. $43^{\circ} 18'$ 1550 feet: Thence following a line curving to the left with a radius of 2865 feet for a distance of 812 feet: Thence following a tangent line N. $59^{\circ} 33' 34''$ 1538 feet: Thence following a curve to the right with a radius of 1910 feet for a distance of 900 feet: Thence following a second curve to the right with a radius of 2865 feet for a distance of 1030 feet: Thence following a tangent line N. $11^{\circ} 54' 34''$ 2476 feet: Thence following a line curving to the left with a radius of 1910 feet for a distance of 776 feet: Thence following a tangent line N. $35^{\circ} 13' 11''$ 2721 feet: Thence following a curve to the right with a radius of 2292 feet for a distance of 1026 feet: Thence following a tangent line N. $9^{\circ} 34' 34''$ 3218 feet: Thence following a line curving to the left with a radius of 2865 feet for a distance of 925 feet: Thence following a tangent line N. $28^{\circ} 04' 34''$ 1218 feet: Thence following a line curving to the left with a radius of 1910 feet for a distance of 1640 feet: Thence following a tangent line N. $47^{\circ} 07'$ 2340 feet: Thence following a line curving to the right with a radius of 1910 feet for a distance of 1660 feet: Thence following a tangent line N. $27^{\circ} 19' 34''$ 2522 feet: Thence following a line curving to the left

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with a radius of 5730 feet for a distance of 1200 feet; Thence following a tangent line N. 39° 19' W. 1253 feet; Thence following a line curving to the left with a radius of 2392 feet for a distance of 800 feet; Thence following a tangent line N. 59° 19' W. 2008 feet; Thence following a line curving to the right with a radius of 2865 feet for a distance of 2050 feet; Thence following a tangent line N. 18° 29' W. 1092 feet; Thence following a line curving to the left with a radius of 2865 feet for a distance of 385 feet; Thence following a second line curving to the left with a radius of 17189 feet for a distance of 800 feet; Thence following a third line curving to the left with a radius of 1910 feet for a distance of 650 feet; Thence following a tangent line N. 48° 11' W. 2050 feet; Thence following a line curving to the left with a radius of 5730 feet for a distance of 900 feet; Thence following a tangent line N. 54° 11' 1025 feet; Thence following a line curving to the right with a radius of 2865 feet, for a distance of 850 feet; Thence following a tangent line N. 40° 11' W. 1095 feet; Thence following a line curving to the left with a radius of 1910 feet for a distance of 926 feet; Thence following a tangent line N. 67° 56' W. for a distance of 4005 feet; Thence following a line curving to the right with a radius of 5730 feet for a distance of 1800 feet.

Thence following a second curve to the right
with a radius of 2865 feet for a distance of 875
feet; Thence following a tangent line N. 32° 26'
W. 5325 feet; Thence following a line curving to
the left with a radius of 3820 feet for a distance
of 600 feet; Thence following a second curve
to the left with a radius of 7639 feet for a dis-
tance of 1100 feet; Thence following a tangent
line N. 49° 41' W. 780 feet; Thence following a
line curving to the right with a radius of
1322 feet, for a distance of 920 feet; Thence
following a tangent line N. 9° 49' W. 300 feet;
Thence following a line curving to the left with
a radius of 1433 feet for a distance of 800 feet;
Thence following a tangent line N. 41° 49' W.
620 feet; Thence following a line curving to the
right with a radius of 1433 feet, for a dis-
tance of 825 feet; Thence following a tangent
line N. 8° 49' W. 1695 feet; Thence following a
line curving to the left with a radius of 1433
feet for a distance of 1210 feet; Thence following
a tangent line N. 54° 13' W. 1885 feet; Thence
following a line curving to the right with a
radius of 1433 feet for a distance of 1055 feet; Thence
following a tangent line N. 15° 01' W. 1760 feet; Thence
following a line curving to the left with a radius
of 1910 feet for a distance of 1520 feet; Thence
following a tangent line N. 60° 37' W. 2573 feet;
Thence following a line curving to the right with
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a radius of 1433 feet, for a distance of 1063 feet;
Thence following a tangent line N. 18° 07' W. 2454 feet;
Thence following a line curving to the left with a radius of 2865 feet, for a distance of 1140 feet;
Thence following a tangent line N. 40° 55' W. 900 feet;
Thence following a line curving to the right with a radius of 2865 feet for a distance of 750 feet;
Thence following a tangent line N. 25° 55' W. 380 feet;
Thence following a line curving to the left with a radius of 1910 feet, for a distance of 820 feet;
Thence following a tangent line N. 50° 31' W. 580 feet;
Thence following a line curving to the right with a radius of 2292 feet for a distance of 1255 feet;
Thence following a tangent line N. 19° 08' W. 4365 feet;
Thence following a line curving to the left with a radius of 11459 feet for a distance of 1000 feet;
Thence following a tangent line N. 24° 08' W. 905 feet;
Thence following a line curving to the right with a radius of 5730 feet for a distance of 950 feet;
Thence following a tangent line N. 14° 38' W. 310 feet;
Thence following a line curving to the left with a radius of 2865 feet, for a distance of 1107 feet;
Thence following a tangent line N. 36° 46' W. 3152 feet;
Thence following a line curving to the right with a radius of 1433 feet, for a distance of 1170 feet;
Thence following a tangent line N. 10° 02' E. 1495 feet;
Thence following

a line curving to the left with a radius of 1910 feet for a distance of 1460 feet; Thence following a tangent line N. $33^{\circ} 46'$ 1940 feet; Thence following a line curving to the left with a radius of 2292 feet for a distance of 1100 feet; Thence following a tangent line N. $41^{\circ} 16'$ 24. 460 feet; Thence following a curve to the right with a radius of 1433 feet for a distance of 1125 feet; Thence following a tangent line N. $16^{\circ} 16'$ 24. 841 feet; Thence following a line curving to the left with a radius of 1910 feet, for a distance of 149 feet; Thence following a tangent line N. $50^{\circ} 41'$ 24. 5135 feet; Thence following a line curving to the right with a radius of 2865 feet for a distance of 1165 feet; Thence following a tangent line N. $27^{\circ} 26'$ 24. 5600 feet; Thence following a line curving to the left with a radius of 5430 feet for a distance of 585 feet; Thence following a tangent line N. $39^{\circ} 13'$ 24. for a distance of 1139 feet to the S. bank of Sabine River - 12857 feet to point of curve; Thence following a line curving to the left with a radius of 5430 feet for a distance of 915 feet; Thence following a tangent line N. $18^{\circ} 22'$ 24. 4910 feet; Thence following a line curving to the right with a radius of 1637 feet for a distance of 935 feet; Thence following a tangent line N. $15^{\circ} 40'$ 24. 2275 feet; Thence following a line curving to the left with a radius

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of 3820 feet for a distance of 1180 feet: Thence following a second line curving to the left with a radius of 2865 feet for a distance of 585 feet; Thence following a tangent line N. 39° 18' W. for a distance of 485.5 feet to center line of Texas and Pacific Rail-Way - the magnetic course of which is N. 84° 22' W.

Note: All bearings given are magnetic.

attest
Robt Avery
Secretary

Delusha A. Brown
Pres. Houston & Great Northern
Railroad Company

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