

NORTHWEST CORNER SECTION 13, TOWNSHIP 19 SOUTH, RANGE 10 EAST

- 1) ON PAGE 195 OF THE GLO ORIGINAL FIELD NOTES IN THE DRAFTING ROOM IN THE COUNTY ENGINEER'S OFFICE IT STATES THAT **THEY SET A LIMESTONE 18" X 9" X 5"** FOR THE CORNER TO SECTIONS 11, 12, 13 & 14-19-10. THEY NOTED "MR. HEADLIE'S LEASE BEARS S. 20°30' W."
THE GOVERNMENT SURVEY NOTES SHOWS THE FOLLOWING INFORMATION:
 - 1) 39.92 CHAINS EAST TO THE 14" X 12" X 5" LIMESTONE THEY SET FOR THE 1/4 CORNER BETWEEN SECTIONS 12 & 13-19-10
 - 2) 79.84 CHAINS EAST TO THE 18" X 16" X 3-1/2" LIMESTONE THEY SET FOR THE CORNER TO SECTIONS 12 & 13-19-10 ON THE EAST TOWNSHIP BOUNDARY

- 2) E. B. KIRKENDALL, SURVEYOR, IN A ROAD SURVEY RECORDED IN ROAD RECORD BOOK "A" ON PAGE 16 [PACKET 526 IN THE VAULT IN THE COUNTY SURVEYOR'S OFFICE] FOR THE "ROAD FROM FOREST HILL TO COTTONWOOD FALLS VIA EMPORIA" ESTABLISHED DECEMBER 6, 1858 IN THE COMMISSIONER'S JOURNAL ON PAGE 35, APPARENTLY **FOUND THE STONE** AT THE SOUTHWEST CORNER OF SECTION 12-19-10 ON THIS ROAD SURVEY. NO WIDTH IS RECORDED AND BY THE TERRITORIAL LAW IN EFFECT AT THE TIME THE ROAD WOULD BE FORTY FEET WIDE.
HIS SURVEY NOTES SHOWS THE FOLLOWING INFORMATION:
 - 1) THIS ROAD EXTENDS EAST ON THE SECTION LINES WITH A DEVIATION FOR THE NEOSHO RIVER IN SECTION 8-19-12 TO THE STARTING POINT AT THE SOUTHWEST CORNER OF SECTION 10-19-13
 - 2) THIS ROAD EXTENDS WEST ON THE SECTION LINES TO THE SOUTHWEST CORNER OF SECTION 7-19-10 ON THE CHASE COUNTY LINE

- 3) IN SURVEY NUMBER 81, A SURVEY RECORDED IN SURVEY BOOK "B" ON PAGE 80 TO LOCATE THE A. T. & S. F. RAILROAD LINE DATED AUGUST 23 & 24, 1870, BUT NOT SIGNED, THE SURVEYOR SAID THAT **HE FOUND THE STONE** AT THE NORTHWEST CORNER OF SECTION 13-19-10 ON THIS SURVEY.
HIS SURVEY NOTES SHOW THE FOLLOWING INFORMATION:
 - 1) 18.44 CHAINS SOUTH TO INTERSECT THE RAILROAD AT 1.03 LINKS WEST OF POST MARKED 209

- 4) J. H. HIBBEN, COUNTY SURVEYOR FROM 1875 TO 1882, IN A ROAD SURVEY RECORDED IN ROAD RECORD BOOK "A-1" ON PAGES 26 TO 28 FOR ROAD NUMBER 7 BY A PETITION BY JOHN PATTY AND OTHERS FOR A COUNTY ROAD IN TOWNSHIPS 18-10 AND 19-10 [PACKET 104 IN THE VAULT IN THE COUNTY SURVEYOR'S OFFICE] THAT HE SURVEYED ON AUGUST 26, 1878, WAS ESTABLISHED AS A 40 FOOT WIDE ROAD ON OCTOBER 7, 1878, AND WAS RECORDED ON NOVEMBER 7, 1878 BY WILLIAM F. EWING, COUNTY CLERK, SAID THAT **HE FOUND THE STONE** AT THE SOUTHWEST CORNER OF SECTION 12-19-10 TO COMMENCE THIS ROAD SURVEY.
HIS SURVEY NOTES SHOWS THE FOLLOWING INFORMATION:
 - 1) THIS ROAD EXTENDS NORTH ON THE SECTION LINES TO THE NORTHWEST CORNER OF SECTION 36-18-10; THEN CONTINUES EAST ON THE SECTION LINES FOR 2,640' TO THE 1/4 SECTION CORNER ON THE NORTH LINE OF SECTION 36-18-10 TO THE TERMINUS OF THIS ROAD SURVEY

- 5) J. H. HIBBEN, COUNTY SURVEYOR FROM 1875 TO 1882, IN A ROAD SURVEY RECORDED IN SURVEY BOOK "C" ON THE RIGHT PAGE 159 DATED SEPTEMBER 4, 1878, APPARENTLY **FOUND THE STONE** AT THE NORTHWEST CORNER OF SECTION 13-19-10 ON THIS ROAD SURVEY.
HIS SURVEY NOTES SHOWS THE FOLLOWING INFORMATION:

- 1) THIS ROAD EXTENDS NORTH ON THE SECTION LINE FOR TWO MILES TO THE STONE HE FOUND AT THE NORTHWEST CORNER OF SECTION 36-18-10

- 6) ALVA J. SMITH, COUNTY SURVEYOR FROM 1900 THROUGH 1906, IN SURVEY NUMBER 50, A **PERMANENT SURVEY** RECORDED IN SURVEY BOOK "E" ON PAGE 231 DATED MAY 20, 1902 ORDERED BY G. A. BIDDLE TO SURVEY FOR THE PURPOSE OF LOCATING AND PERMANENTLY ESTABLISHING THE CENTER CORNER ND NORTH 1/4 CORNER OF SECTION 13-19-10 AND RUN SUCH LINES AS MAY BE NECESSARY TO PROPERLY COMPLETE THE WORK, SAID THAT **HE FOUND THE STONE AT 18 FEET EAST AND 3 FEET SOUTH OF A CORNER POST** AT THE NORTHWEST CORNER OF SECTION 13-19-10 ON THIS **PERMANENT SURVEY**. HIS FIELD NOTES ARE IN HIS BOOK NUMBER 3 ON PAGE 72, AND ADDITIONAL INFORMATION IS IN PACKET "M 90" IN MISCELLANEOUS DRAWER NUMBER 4 IN THE VAULT IN THE COUNTY ENGINEER'S OFFICE.
HIS SURVEY NOTES/DRAWING SHOWS THE FOLLOWING INFORMATION:
 - 1) 40.07 CHAINS SOUTH TO THE STONE HE FOUND AT THE WEST 1/4 CORNER OF SECTION 13-19-10
 - 2) 58.05 CHAINS SOUTH TO THE LINE STONE HE FOUND ON THE NORTH BANK OF THE COTTONWOOD RIVER THAT WAS SET ON THE NORTH SIDE OF THE RIVER BANK BY MATTHEW BROWN
 - 3) 80.25 CHAINS SOUTH TO THE STONE HE FOUND AT THE SOUTHWEST CORNER OF SECTION 13-19-10
 - 4) 19.98 CHAINS EAST TO THE 1/8TH STONE HE FOUND ON THE NORTH SIDE OF THE NE1/4 OF SECTION 13-19-10
 - 5) 39.96 CHAINS EAST TO THE STONE HE FOUND AT THE NORTH 1/4 CORNER OF SECTION 13-19-10
 - 6) 79.92 CHAINS EAST TO THE STONE HE FOUND AT THE NORTHEAST CORNER OF SECTION 13-19-10 ON THE RANGE LINE

- 7) IN A FIELD BOOK LABELED "CHAINING SECTION "B" SURVEY NOTES NO. 100" IN THE SURVEY VAULT THAT IS NOT DATED BUT AROUND 1919, ON PAGE 57 IT SHOWS A **"MONUMENT"** AT THE NORTHEAST CORNER OF SECTION 13-19-10. THERE IS NO DESCRIPTION OF THE MONUMENT AT THE NORTHWEST CORNER OF SECTION 13-19-10 AND THERE ARE NO TIES ON THE PAGE.

- 8) THE KRETSINGER REFERENCE TIE BOOK FOR TOWNSHIP 19-10 SHOWS A **3/4" IRON PIN AT THE SOUTH EDGE OF THE SLAB** AT THE "NW CORNER SECTION 13-19-10"
 - 1) 32.9' SE TO A SPIKE IN A POLE
 - 2) 45.9' NE TO A SPIKE IN A POLE
 - 3) 32.5' NE TO THE NEAR CORNER OF A CULVERT WING
 - 4) 37.9' NW TO THE NEAR CORNER OF A CULVERT WING

- 9) D. R. LEWIS, KDOT SURVEYOR, IN 1988 FOR PROJECT 50-56-K2853-01, SAID THAT **HE FOUND THE 3/4" SQUARE REBAR FLUSH WITH THE CONCRETE PAVEMENT SURFACE OF OLD-OLD HIGHWAY 50** AT THE NORTHWEST CORNER OF SECTION 13-19-10 FROM COUNTY ENGINEER'S REFERENCES.
 - 1) 2,591.09' RIGHT [SOUTH] OF STATION 372 + 40.09; SW ANGLE = 89°-52'-25"
 - 2) 32.4' NNE TO THE NORTHWEST CORNER OF THE EAST HEADWALL OF A RCB
 - 3) 31.7' NNE TO A REBAR IN THE TOP OF THE WEST HEADWALL OF A RCB
 - 4) 8.4' SOUTH TO THE SOUTH EDGE OF THE CONCRETE PAVEMENT
 - 5) 9.8' NORTH TO THE NORTH EDGE OF THE CONCRETE PAVEMENT
 - 6) 58.3' SE TO THE NEAR FACE OF A 110" ASH TREE AT 2' ABOVE THE GROUND
 - 7) 4' EAST TO THE CENTERLINE TRAVELED WAY OF THE ROAD NORTH-SOUTH

- 10) STEVEN S. BROSEMER, L.S. 752, DEPUTY COUNTY SURVEYOR, IN A LAND SURVEY REFERENCE REPORT DATED JANUARY 6, 1992, FOR PROJECT NUMBER 91384,

SURVEY F24001 IN THE SURVEY FILE FOR TOWNSHIP 19-10 FOR THE SURVEY OF A 17.2 ACRE TRACT OF LAND LOCATED IN THE NORTHWEST QUARTER OF SECTION 24-19-10 AND RECORDED IN VOLUME 477 ON PAGE 991 IN THE REGISTER OF DEEDS OFFICE ON NOVEMBER 5, 1993, SAID THAT **HE FOUND THE 1" SQUARE IRON PIN FLUSH WITH THE CONCRETE PAVEMENT OF OLD-OLD HIGHWAY 50** AT THE NORTHWEST CORNER OF SECTION 13-19-10 FROM TIES OF RECORD IN THE COUNTY ENGINEERS OFFICE.

- 1) 0.5' NORTH TO THE CENTERLINE TRAVELED WAY OF COUNTY ROAD 170 EAST-WEST
- 2) 2.5' EAST TO THE CENTERLINE TRAVELED WAY OF COUNTY ROAD "F" TO THE NORTH
- 3) 69.0' SSW TO A CONCRETE NAIL & SHINER IN A POWER POLE

HIS SURVEY DRAWING SHOWS THE FOLLOWING INFORMATION:

- 1) 2,644.05' SOUTH TO THE STONE WITH REBAR HE FOUND AT THE WEST 1/4 CORNER OF SECTION 13-19-10
- 2) 5,295.36' SOUTH TO THE 1/2" REBAR WITH HIS "LS 752" CAP HE SET FOR THE NORTHWEST CORNER OF SECTION 24-19-10
- 3) 10,678.78' SOUTH TO THE STONE WITH REBAR HE FOUND AT THE SOUTHWEST CORNER OF SECTION 24-19-10

- 11) POLLY A. JONES, L.S. 1130, DEPUTY COUNTY SURVEYOR, IN A LAND SURVEY REFERENCE REPORT DATED JUNE 6, 1996, FOR JOB NUMBER 95024-02, THE GPS SURVEY OF EMPORIA AND LOCAL AREA, SAID THAT **SHE FOUND THE 3/4" SQUARE IRON PIN IN THE CONCRETE PAVEMENT OF OLD-OLD HIGHWAY 50** AT THE NORTHWEST CORNER OF SECTION 13-19-10 FROM TIES OF RECORD IN THE COUNTY ENGINEERS OFFICE.

- 1) STATE PLANE COORDINATES IN U.S. FEET – GROUND LEVEL

NORTH = 1953059.339 EAST = 1953410.383

- 1) 32.5' NNE TO THE NORTHWEST CORNER OF THE EAST HEADWALL OF A REINFORCED CONCRETE BOX CULVERT
- 2) 31.7' NNW TO A REBAR IN TOP OF THE WEST HEADWALL OF A REINFORCED CONCRETE BOX CULVERT
- 3) 68.9' SSW TO A SPIKE & WASHER IN A POWER POLE
- 4) 21.0' WEST TO A LINE OF POWER POLES NORTH—SOUTH
- 5) 8.7' SOUTH TO THE SOUTH EDGE OF THE CONCRETE PAVEMENT
- 6) 9.8' NORTH TO THE NORTH EDGE OF THE CONCRETE PAVEMENT
- 7) STATE PLANE COORDINATES IN U.S. FEET – GROUND LEVEL

NORTH = 1953059.339 EAST = 1953410.383

- 12) STEVEN S. BROSEMER, L.S. 752, DEPUTY COUNTY SURVEYOR, IN SURVEY F11004 IN THE SURVEY FILE FOR TOWNSHIP 19-10 FOR THE SURVEY OF A 0.2296 ACRE TRACT IN THE SOUTHEAST QUARTER OF SECTION 11-19-10 FOR PROJECT NUMBER 96248-02 DATED SEPTEMBER 23, 1996, SHOWS ON HIS SURVEY DRAWING THAT **HE FOUND A 1/2" REBAR AS PER A GOULD SURVEY** AT THE SOUTHEAST CORNER OF THE SOUTHEAST 1/4 OF SECTION 11-19-10. HIS TIES ARE MISSING FROM THE SURVEY TIE FIELDS.

HIS SURVEY DRAWING SHOWS THE FOLLOWING INFORMATION:

- 1) 1,638.72' NORTH TO A 1/2" REBAR WITH "GEOTECH" CAP HE FOUND AT THE NORTHEAST CORNER OF THE SE1/4 OF SECTION 11-19-10

- 13) WARREN CHIP WOODS, L.S. 603, COUNTY SURVEYOR, FOR BRIDGE REPLACEMENT PROJECT 01-77, **FOUND THE 3/4" SQUARE IRON PIN IN THE CONCRETE SURFACE OF COUNTY ROAD 170 [OLD-OLD HIGHWAY 50]** AT THE NORTHWEST CORNER OF SECTION 13-19-10 FROM THE TIES OF RECORD IN THE COUNTY ENGINEER'S OFFICE BY STEVEN S. BROSEMER, DEPUTY COUNTY SURVEYOR, DATED SEPTEMBER 23, 1996.

- 1) 32.3' NNE TO THE NORTHWEST CORNER OF THE EAST HEADWALL OF A REINFORCED CONCRETE BOX CULVERT
 - 2) 31.6' NNW TO A REBAR IN TOP OF THE WEST HEADWALL OF A REINFORCED CONCRETE BOX CULVERT
 - 3) 69.25' SSW TO A SPIKE & WASHER IN A POWER POLE
 - 4) 10.0' NORTH TO THE NORTH EDGE OF THE CONCRETE PAVEMENT
 - 5) 8.0' SOUTH TO THE SOUTH EDGE OF THE CONCRETE PAVEMENT
 - 6) 3' EAST TO THE CENTERLINE TRAVELED WAY OF GRAVEL COUNTY ROAD "F" NORTH-SOUTH
- 14) STEVEN S. BROSEMER, L.S. 752, DEPUTY COUNTY SURVEYOR, IN A LAND SURVEY REFERENCE REPORT DATED AUGUST 28, 2003, FOR PROJECT NUMBER 03355-02, SURVEY F11007 IN THE SURVEY FILE FOR TOWNSHIP 19-10 FOR A 14.20 ACRE TRACT IN THE SOUTHEAST QUARTER OF SECTION 11-19-10, SAID THAT **HE FOUND THE 3/4" SQUARE IRON PIN** AT THE SOUTHEAST CORNER OF SECTION 11-19-10 FROM HIS EXISTING TIES OF RECORD IN THE COUNTY ENGINEER'S OFFICE.
- 1) 28.1' NW TO THE SOUTHEAST CORNER OF THE HUBGUARD
 - 2) 27.4' NE TO THE SOUTHWEST CORNER THE HUBGUARD
 - 3) 69.1' SSW TO A PK NAIL & SHINER IN A POWER POLE
 - 4) 0.5' NORTH TO THE CENTERLINE TRAVELED WAY OF THE ROAD EAST-WEST
 - 5) 2.5' EAST TO THE CENTERLINE TRAVELED WAY OF THE ROAD TO THE NORTH
 - 6) 3.5' EAST TO THE CENTERLINE TRAVELED WAY OF THE ROAD TO THE SOUTH
- HIS SURVEY DRAWING SHOWS THE FOLLOWING INFORMATION:
- 1) 2,638.92' NORTH TO THE 1/2" REBAR HE FOUND AT THE NORTHEAST CORNER OF THE SE1/4 OF SECTION 11-19-10
 - 2) 2,651.66' WEST TO THE 1" SQUARE PIN HE FOUND AT THE SOUTHWEST CORNER OF THE SE1/4 OF SECTION 11-19-10
- 15) RICHARD J. IMAN, L.S. 1450, OF BG CONSULTANTS, INC. IN A LAND SURVEY REFERENCE REPORT DATED OCTOBER 20, 2010 FOR PROJECT NUMBER 10-1225E, SAID THAT **HE FOUND THE 3/4" SQUARE IRON PIN** AT THE SOUTHWEST CORNER OF SECTION 12-19-10 USING PREVIOUS REFERENCES BY STEVEN S. BROSEMER, L.S. 752, DEPUTY COUNTY SURVEYOR, DATED AUGUST 28, 2003
- 1) 50.0' SE TO A SET PK NAIL & WASHER IN THE TOP OF A FENCE CORNER POST
 - 2) 69.1' SSW TO A SET SPIKE & WASHER IN A POWER POLE
 - 3) 0.5' NORTH TO THE TRAVEL WAY OF THE EAST-WEST ROAD
 - 4) 2.5' EAST TO THE TRAVEL WAY OF THE ROAD TO THE NORTH
 - 5) 3.5' EAST TO THE TRAVEL WAY OF THE ROAD TO THE SOUTH
- 16) KARA LaRIVIERE, L.S. 1413, IN A LAND SURVEY REFERENCE REPORT DATED SEPTEMBER 10, 2012 FOR KDOT PROJECT 50-56 KA-2364-01 AND SURVEY F11010 IN THE SURVEY FILE FOR TOWNSHIP 19-10, SAID THAT **SHE FOUND THE 3/4" SQUARE REBAR IN THE CONCRETE PAVEMENT OF OLD HIGHWAY 50 FLUSH WITH THE PAVEMENT SURFACE** AT THE SOUTHWEST CORNER OF SECTION 12-19-10 FROM REFERENCES BY DENNIS R. LEWIS IN 1988 ON KDOT PROJECT NUMBER 50-56 K-2853-01. KDOT PROJECT CORNER NUMBER 12100
- 1) 25.0' WEST TO A LINE OF NORTH-SOUTH POWER POLES
 - 2) 8.4' SOUTH TO THE SOUTH EDGE OF THE CONCRETE PAVEMENT
 - 3) 10.5' NORTH TO THE NORTH EDGE OF THE CONCRETE PAVEMENT
 - 4) 4.0' EAST TO THE TRAVELWAY OF NORTH SOUTH GRAVEL COUNTY ROAD "F"
 - 5) 69.0' SW TO A FOUND SPIKE & WASHER IN THE EAST FACE OF A POWER POLE
 - 6) 50.2' SE TO A FOUND MAG NAIL & WASHER IN THE TOP OF A CORNER FENCE POST
 - 7) 33.0' NW TO THE TOP CENTER OF THE WEST END OF A CAST IRON PIPE
- THE DRAWING SIGNED BY RONALD J. FELDKAMP, L.S. 1491, DATED SEPTEMBER 26, 2012 SHOWS THE FOLLOWING INFORMATION:

- 1) PROJECT SECTION CORNER COORDINATES X C.A.F. 0.9999176 = STATE PLANE COORDINATES NAD 27 KANSAS SOUTH ZONE, PER PROJECT K2853-01, OCT. 1988
640761.475 241390.086 1120.811
- 2) 2,651.71' WEST TO THE 1" SQUARE BAR FLUSH IN OLD HIGHWAY 50 SHE FOUND AT THE SOUTH 1/4 CORNER OF SECTION 11-19-10
- 3) 5,305.09' WEST TO THE 3/4" BAR FLUSH IN OLD HIGHWAY 50 SHE FOUND AT THE SOUTHWEST CORNER OF SECTION 11-19-10
- 4) 2,638.76' NORTH TO THE RIVET & WASHER SHE FOUND FLUSH AT THE WEST 1/4 CORNER OF SECTION 12-19-10
- 5) 5,275.99' NORTH TO THE 1/2" SQUARE BAR WITH A KDOT ALUMINUM CAP SHE FOUND AT 0.3' DEEP AT THE NORTHWEST CORNER OF SECTION 12-19-10
- 6) 2,636.40' EAST TO THE KDOT ALUMINUM CAP IN CONCRETE PAVEMENT SHE FOUND AT THE SOUTH 1/4 CORNER OF SECTION 12-19-10
- 7) 5,272.65' EAST TO THE 3/4" SQUARE BAR FLUSH IN OLD HIGHWAY 50 SHE FOUND AT THE SOUTHEAST CORNER OF SECTION 12-19-10 ON THE TOWNSHIP LINE

NORTHWEST CORNER SECTION 13-19-10