

File No. Sketch File 31 **SCHUMANN ENGINEERING CO., INC.**

MAX A. SCHUMANN, JR., PRESIDENT

Cor. Crane County  
Sur. 42, H & T.C. RR. Co., Block 35

BOX 504 • 915 684-5548

MIDLAND, TEXAS 79702-0504

Filed April 11 19 91

GARRY MAURO, Com'r

By Douglas Howard

SURVEYOR'S REPORT

For Plat see Rd. St. 22 CORRECTED FIELD NOTES TO OBTAIN PATENT,  
H & TC RR CO, BLOCK 35, SURVEY # 42,  
CRANE COUNTY, TEXAS

March 28, 1991

The original locating state surveyor who performed work in this area in early 1888 was M. W. Neyland. His corner monumentation, when called for, were stone mounds. He was meticulous in his survey work to the extent that witness bearings to prominent, distant mountain features were taken and noted, all of which were readily identified and noted in recent days by contemporary surveyors and by us in our work. However, Mr. Neyland's work calls for all surveys in the area to consist of 1900 varas to the side with bearings of N.50°W. and N.40°E., where applicable, with their respective companion calls. Subsequent surveyors, from R. S. Dod, resurveying state surveyor in 1913, where extensive retracement was made, to Wm. Alley in 1940, to Frank F. Friend in 1926, J. M. Flanigan in 1967, to more recent surveyors in the names of J. A. Simpson, K. E. Esmond, in 1951, Robert L. Pounds and Wm. C. Wilson, Jr., to name a few, have had surveys recognized and approved by the General Land Office containing somewhat excessive acreage and adjusted courses.

Mr. Dod's map of 1913, which is captioned "Rolled Sketch 12", shows survey corners to exist on each and every intersection of survey lines that he had an interest in in Blocks 35 and 36. Some of these survey corners are stone mounds as called for, some have been supplemented by marked or numbered spikes, some with iron rod or pipes, and even monuments set in concrete cylinder with elaborate braced pipe fence corner post, as in the case where Mr. Wm. C. Wilson, Jr. built such monument to replace the 2" iron pipe in old stone mound that he accepted as that made by Mr. M. W. Neyland at the north corner of Survey 30, which is located 1920.30 varas N.48°51'36"W. from the west corner of this Survey 42. The marked monument that Mr. Wilson set for the east corner of Survey 30 and subsequently has had patent issued, the same being the west corner of this Survey 42, has a 1-1/4" iron pipe with a 3/4" iron pipe that Mr. Wilson identifies as Mr. Dod's located 23.46 varas N.12°31'W. Similarly, at the south corner of Survey 30 where Mr. Wilson

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GARRY MAURO, Com'r

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set a marked monument there exists a corner identified as Mr. Dod's of 1" iron pipe 17.92 varas S.55°55'E. Both of these markings of Mr. Dod's are considered as somewhat out of position due to further tracement of Mr. Neyland's work.

Specifically, there exist stone mound corners at the south of Survey 44 that are identified as those set by Mr. Neyland, primarily due to witnesses to distant mountain features, their location of which, when tied in to this work, result in a pattern of proration of acreage to each survey's benefit.

The survey work by Robert L. Pounds that resulted in patents being issued on Survey 20 of this block of the value of 649.95 acres and the Northwest 1/2 of Survey 26 of 325.28 acres, have been tied into our work of 648.78 acres in Survey 42. (Mr. Wilson's Survey 30 contains 652.18 Acres, while he represents Survey 29 to contain 650.84 Acres). So the excess of from 8.78 acres to 10.84 acres would indicate that there always existed excesses in acreage over and above that as called for by Mr. Neyland.

Upon projecting Mr. Wilson's work on the northeast line of Survey 30, southeastwardly, establishing the south corner of Survey 42 at 1918.92 varas S.48°51'36"E. from the east corner of Survey 30, we found that the position of the east corner of Survey 44 is 1918.47 varas S.48°51'36"E. The witness bearings to the distant mountains checked almost exactly as Mr. Neyland called for them in his original field notes.

A further check and tie was made by running S.41°08'24"W. along the southeast line of Survey 44 for 1517 varas where a large rock mound was found at the west corner of Survey 57 - mountain bearings being similarly noted as before. Another large old rock mound, was located 405.51 varas S.41°20'22"W. from the west corner of Survey 57, this being the south corner of Survey 44.

From this south corner of Survey 44 a tie was made back to its west corner N.48°44'54"W. 971.83 varas to a rock mound, and N.48°48'53"W. 946.22 varas to the 1/2" reinf rod with marked aluminum cap that is located 1920.9 varas S.41°10'10"W. from the 1/2" reinf rod and aluminum cap that we set for the South corner of Survey 42.

The conclusion of these lines run and corners tied together is that there is a tight survey joining Mr. Wilson's work in Surveys 29 and 30, down through Surveys 43 and 44 with Survey 42 being established in its prorated position.

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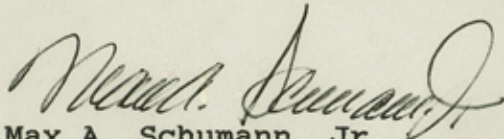
Crane County  
Cor. F/N SUR. 42, H.T.C. R.R. Co, Block 35

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GARRY MAURO, Com'r

By Douglas Howard

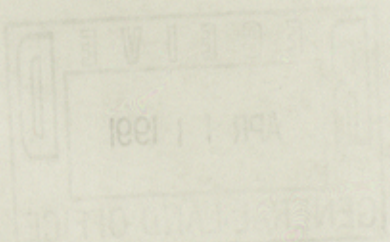
As noted on the sketch that accompanies this survey and report, we have set 1/2" reinf bars with marked aluminum caps at the following common survey corners: 42-43-44-45; 41-42-45-46; 31-32-41-42; 27-28-31-32 and 12-13-43-44. With the exception of the south corner of Survey 44 where we set a 1/2" reinf bar without aluminum cap and the east corner of Survey 41 similarly monumented, all the remaining survey corners in the area are those of other surveyors tightly tied together.



Max A. Schumann, Jr.  
Licensed State Land Surveyor



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 Crane  
 GARY WARD, Com.  
 April 11 1991

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*Max A. Schumann, Jr.*  
 Max A. Schumann, Jr.  
 Licensed State Land Surveyor



**FILED**  
 AT 9:00 O'CLOCK A. M  
April 2, 1991

STATE OF TEXAS  
 COUNTY OF CRANE

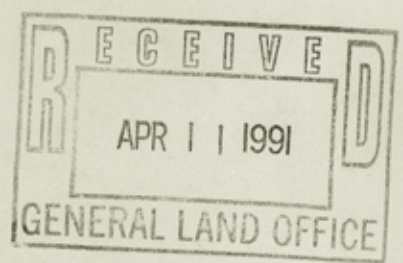
I hereby certify that this instrument was FILED on the date and at the time stamped hereon by me and was duly RECORDED in the Volume and Page of the named RECORDS of Crane County, Texas, as stamped hereon by me.

*Mary Brimes*  
 County Clerk, Crane County, Texas

BY *Jinda Dinkland*  
 DEPUTY

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*Surveyor's Field Notes*



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Crane Co. St. File #3)