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REVISED REPORT OF SURVEY

A PORTION OF BLK. NO. 48, TEXAS & PACIFIC RR. CO. SURVEYS, PECOS COUNTY, TEXAS,

AND

DETAILS OF MANNER IN WHICH FIELD NOTES FOR THE SOUTH ONE HALF OF SURVEY NO. 16,  
TOWNSHIP NO. 9, OF BLK. NO. 48, TEXAS & PACIFIC RR. CO. SURVEYS WERE DETERMINED.

M. H. Flackney

Longview, Texas  
Sept. 30, 1948

TO: The Hon. Bascom Giles, Commissioner,  
General Land Office,  
Austin, Texas

SUBJECT: Revised Report of Survey,  
Field Notes for the South one half of Survey No. 16,  
Township No. 9, of Block No. 48, T. & P. RR. Co. Surveys,  
Pecos County, Texas

RESUME OF: RECORD DATA

1. The records in the office of the County Surveyor of Pecos County, Ft. Stockton, Texas, show that this area was originally surveyed by Deputy Surveyors for the Texas & Pacific RR. Co. Land Dept., in July of 1876. The recorded Field Notes of this work calls only for Earth Mounds and Stakes at Corners; and do not give references that can now be located. A careful examination on the ground disclosed no evidence of any of the Earth Mounds called for in these Field Notes.
2. The records show that in February of 1886, the perimeter tier of Surveys in Block No. 48 was re-surveyed, and Corrected Field Notes filed. These Corrected Field Notes were made by Mr. Murray Harris, Deputy County Surveyor for Pecos County, Texas. These Corrected Field Notes call for Stone Mounds at most of the Corner positions; and make calls for bearings on Mountains, Peaks, and in some few instances call for trees or bushes for references to Corners. These Field Notes were used for determination of the outer lines of the series of Surveys in Block No. 48.
3. Block C-2 Public School Land, and it's component Surveys, was surveyed by Mr. W. D. Twitchell, in November of 1901. Block C-2 Public School Land calls to have a common line with the North line of Block No. 48, T. & P. RR. Co. Surveys. Mr. Twitchell made calls for Stone Mounds at Corners, bearings to Mountains, Peaks, and in some instances, trees or bushes for references to Corners. Also, Mr. Twitchell made reference to the most of the Corners, previously located by Mr. Harris, along the North line of Block No. 48, T. & P. RR. Co. Surveys.
4. The ownership Map of this portion of Pecos County, shows an area between the East line of Block No. 48, T. & P. RR. Co. Surveys, and the West line of Block O-W Public School Land, occupied by several small Scrap Surveys. No. reference to these Scrap Surveys was made, in re-locating the East line of Block No. 48, T. & P. RR. Co. Surveys.
5. No reference to calls in the Surveys along the East line of Block No. 49, T. & P. RR. Co. Surveys was made. The Corrected Field Notes by Mr. Murray Harris makes calls for common Corners at the Northwest Corner of Block No. 48, and at the

Northeast Corner of Block No. 49, also at the various Corners along the West line of Block No. 48, Mr. Harris called for the East line of Block No. 49.

#### METHODS USED IN FIELD WORK ON RE-SURVEY

A careful reconnaissance of the area to be re-surveyed was made before beginning of actual survey work. The locations of all possible Corner positions were noted; and any features of the general terrain such as calls for crossing of Draws etc. For purposes of precision, a True Meridian was determined, and the Magnetic declination of the needle of the instrument being used, was noted as being  $12^{\circ}12'40''$  E. Having determined the apparent location of the Northeast Corner of Block No. 48, T. & P. RR. Co. Surveys, and the Southeast Corner of Block C-2, Public School Land, reference to this point was made; and actual survey Traverse was started. All angles were taken as the mean or average of three or more repetitions; and true bearings were then computed from the Meridian base previously established. Distances were measured with a two hundred foot chain or tape, and a 50 vara tape. For more positive control on the Traverse, positions were checked by triangulation as often as possible. Triangulation points were the various Wind Mills in this area. Actual instrument work was conducted in the early morning and late afternoon as much as was possible, due to the extreme difficulty encountered due to heat waves during the major portion of the day. The Instrument used on the work has an above the average lens; and therefore magnified distortions due to heat waves more than is usually the case. However, the more powerful lens used did make it possible to get a few instrument sights of clear definition on some of the Mountains and Peaks called for in the Corrected Field Notes by Mr. Harris. Sights of clear definition on Mountains or Peaks were rare because of either heat waves in the middle parts of the day, or early morning haze. From the data obtained, it is evident that the calls made for bearings on Gomez Peak, Flat Top Mountain, and Barrillo Mountain were taken from a Peep-Sight Compass standards. Also as the Traversing progressed, it became apparent that Compass bearings in this area can not be depended upon; for Needle bearings some times varied as much as 10 to 15 minutes from true bearings, when there was no visible local attraction. Also, in one instance, after a light shower of rain, Needle bearings swung off of true to the extent of 12 minutes. This condition probably accounts for the variance found in bearings to the various Mountains or Peaks.

The Traverse was run westward from the Northeast Corner of Block No. 48, T. & P. RR. Co. Surveys, and the Southeast Corner of Block C-2, Public School Land, to the Northwest Corner of Block No. 48, T. & P. RR. Co. Surveys, which is called to be also the Northeast Corner of Block No. 49, T. & P. RR. Co. Surveys. Thence Southward along the common line of Blocks 48, & 49, and the various Survey Corners along this line were tied into the Traverse. This leg of the Traverse was run Southward the length of fourteen Surveys.

A Traverse was then run Southward from the Northeast Corner of Block No. 48, for the length of fourteen Surveys. A connecting Traverse was run across the Block; and the Traverse work was computed for closure. Eight place Natural Trigonometric Functions were used for all computations. Discrepancies of closure were found to be: 1 :20,402 on tape work, and a total of  $0^{\circ}01'45''$  on angles. These discrepancies being less than the allowable for Second Order Traversing, the Traverse was then balanced in the approved manner. Relative positions of all evidence of Corners were then determined; and it was found that the following data properly describes the perimeter lines of this portion of Block No. 48, T. & P. RR. Co. Surveys:

Beginning at the Northeast Corner of Block No. 48, T. & P. RR. Co. Surveys, and the Southeast Corner of Block C-2, Public School Land, an Old Stone Mound for Corner, from which a Wind Mill on Sur. No. 1, Twp. No. 8, Blk. No. 48, T. & P. RR. Co., bears  $S.86^{\circ}58'05''W.$ , another Wind Mill bears  $S.36^{\circ}43'42''E.$ , and a fence corner bears East 1.3 varas;

THENCE:

$S.89^{\circ}31'30''W.$  1909.58 vs. to prorated position for the Northwest Corner of Sur. No. 1, and the Northeast Corner of Sur. No. 2, Twp. No. 8, Blk. No. 48. No evidence of original corner;

CONTINUING:

$S.89^{\circ}31'30''W.$  1909.59 vs. to prorated position for the Northwest Corner of Sur. No. 2, and the Northeast Corner of Sur. No. 3, Twp. No. 8, Blk. No. 48. No evidence of original corner;

CONTINUING:

$S.89^{\circ}31'30''W.$  1023.00 vs. to East bank of Cayonoste Draw, at 1109.40 vs. the West bank of Cayonoste Draw, continuing on a total distance of 1909.58 vs. to prorated position for the Northwest Corner of Sur. No. 3, and the Northeast Corner of Sur. No. 4, Twp. No. 8, Blk. No. 48. No evidence of original corner;

CONTINUING:

$S.89^{\circ}31'30''W.$  1909.59 vs. to prorated position for the Northwest Corner of Sur. No. 4, and the Northeast Corner of Sur. No. 5, Twp. No. 8, Blk. No. 48, from which a fence corner in an Old Stone Mound bears  $S.89^{\circ}24'14''W.$  85.38 vs.,

Said Stone Mound being the Southeast Corner of Sur. No. 26, of Block C-2, Public School Land, a Wind Mill bears  $N.64^{\circ}32'30''E.$ , another Wind Mill, (On Sur. No. 8, Twp. No. 8, Blk. No. 48, T. & P. RR. Co. Surveys) bears  $S.30^{\circ}19'30''W.$ ;

CONTINUING:

$S.89^{\circ}31'30''W.$  1909.58 vs. to an Old Stone Mound for the Northwest Corner of Sur. No. 5, and the Northeast Corner of Sur. No. 6, Twp. No. 8, Blk. No. 48, from which a Wind Mill (On Sur. No. 8, Twp. No. 8, Blk. No. 48) bears  $S.1^{\circ}49'38''E.$ , an Old Stone Mound bears  $N.89^{\circ}53'48''W.$  75.46 vs., said Stone Mound being the Southeast Corner of Sur. No. 25, of Blk. C-2, Public School Land;

THENCE:

$S.89^{\circ}31'12''W.$  1909.06 vs. to an Old Stone Mound for the Northwest Corner of Sur. No. 6, and the Northwest Corner of Block No. 48, and the Northeast Corner of Block No. 49, T. & P. RR. Co. Surveys, from which an Iron Stake in an Old Stone Mound bears  $N.89^{\circ}54'18''W.$  64.91 vs. (Said Iron Stake and Old Stone Mound being the Southwest Corner of Sur. No. 25, and the Southwest Corner of Block No. C-2, Public School Land), the center of Flat Top Mountain bears  $S.52^{\circ}56'12''W.$ , the center of top of Barrillo Mountain bears  $S.40^{\circ}14'12''W.$ , and Gomez Peak bears  $S.78^{\circ}45'W.$  (Definition of Gomez Peak not clear) By Triangulation Gomez Peak is approximately 56 miles from this corner position, i e, the Northwest Corner of Block No. 48, and the Northeast Corner of Block No. 49, T. & P. RR. Co. Surveys;

THENCE:

$S.0^{\circ}18'28''E.$  1901.78 vs. to an Old Stone Mound for the Southwest Corner of Sur. No. 6, and the Northwest Corner of Sur. No. 7, Twp. No. 8, Blk. No. 48, No evidence of the Earth Mound and Pits called for. "Position Adopted";

THENCE:

$S.0^{\circ}12'18''E.$  1896.94 vs. to prorated position for the Southwest Corner of Sur. No. 7, and the Northwest Corner of Sur. No. 18, Twp. No. 8, Blk. No. 48, No evidence of the Earth Mound and Pits called for;

THENCE:

$S.0^{\circ}12'18''E.$  1896.94 vs. to an Old Stone Mound in the prairie, for the Southwest Corner of Sur. No. 18, and the Northwest Corner of Sur. No. 19, Twp. No. 8, Blk. No. 48, (Definition of Mountain Tops not sufficiently clear to obtain precise bearings, though rough headings did corroborate this position as the one called for by Mr. Harris in 1886);

THENCE:

$S.0^{\circ}03'26''W.$  1907.45 vs. to a fence corner in an Old Stone Mound, for the Southwest Corner of Sur. No. 19, and the Northwest Corner of Sur. No. 30, (Rough headings to Mountains corroborate this position);

THENCE:

S.0°07'24"W. 1907.90 vs. to a fence corner in an Old Stone Mound, for the Southwest Corner of Sur. No. 30, and the Northwest Corner of Sur. No. 31, Twp. No. 8, Blk. No. 48, (Rough headings to Mountains corroborate this position);

THENCE:

S.0°07'32"W. 1906.22 vs. to a fence corner in an Old Stone Mound, for the Southwest Corner of Sur. No. 31, and the Northwest Corner of Sur. No. 42, Twp. No. 8, Blk. No. 48, (Position verified by rough headings to Mountains);

THENCE:

S.0°06'47"W. 1907.73 vs. to prorated position for the Southwest Corner of Sur. No. 42, and the Northwest Corner of Sur. No. 43, No evidence of Earth Mound and Pits called for.;

THENCE:

S.0°06'47"W. 1907.74 vs. to an Old Stone Mound from the Southwest Corner of Sur. No. 43, the Southwest Corner of Twp. No. 8, the Northwest Corner of Sur. No. 6, Twp. No. 9, and the Northwest Corner of Twp. No. 9, Blk. No. 48, A Green Thorn Bush bears S.10°13'E. 193.5 vs., the center of Flat Top Mountain bears S.61°41'27"W., and the center of the top of Barrillo Mountain bears S.51°26'27"W.;

THENCE:

S.0°07'21"W. 1907.36 vs. to an Old Stone Mound for the Southwest Corner of Sur. No. 6, and the Northwest Corner of Sur. No. 7, Twp. No. 9, Blk. No. 48, the center of the top of Flat Top Mountain bears S.62°50'27"W., the center of the top of Barrillo Mountain bears S.53°09'27"W., Found a sunken place in the earth and a rotten Mesquite limb 4 " in dia., S.0°18'W. 266.0 vs. (Did not find the roots of the Mesquite called for by Mr. Harris in 1886);

THENCE:

S.0°09'01"W. 1908.86 vs. to prorated position for the Southwest Corner of Sur. No. 7, and the Northwest Corner of Sur. No. 18, Twp. No. 9, Blk. No. 48.

"Found Stones scattered over a large area. A sheep trail passes across this position, and the Stone Mound called for at this position was probably scattered by sheep crossing it." The prorated position falls 0.3 vara North of an East-West fence, and 209 varas eastward from a fence corner where fences run eastward and southward.;

THENCE:

S.0°09'02"W. 1908.85 vs. to prorated position for the Southwest Corner of Sur. No. 18, and the Northwest Corner of Sur. No. 19, Twp. No. 9, Blk. No. 48. No evidence of Stone Mound called for. The prorated position falls N.43°33'E. 0.95 vs. from a fence corner where the fences run eastwardly-westwardly-southwardly, and northwardly;

THENCE:

S.0°09'01"W. 1908.86 vs. to a Small Stone Mound in a North-South fence, for the Southwest Corner of Sur. No. 19, and the Northwest Corner of Sur. No. 30, Twp. No. 9, Blk. No. 48. No evidence of the Earth Mound and Pits called for at this Corner.

For purposes of this Revised Report of Survey, no further data relative to the West line of Block No. 48, T. & P. RR. Co. Surveys is submitted.

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Beginning at the Northeast Corner of Block No. 48, the Northeast Corner of Sur. No. 1, of Twp. No. 8, as previously described, the following data properly describes the East line of Block No. 48, T. & P. RR. Co. Surveys;

S.0°24'00"E. 1914.04 vs. to an Old Stone Mound for the Southeast Corner of Sur. No. 1, and the Northeast Corner of Sur. No. 12, Twp. No. 8, Blk. No. 48;

THENCE:

S.0°16'48"E. 1910.55 vs. to an Old Stone Mound and a 2 inch Iron Pipe, for the Southeast Corner of Sur. No. 12, and the Northeast Corner of Sur. No. 13, Twp. No. 8, Blk. No. 48;

THENCE:

S.0°15'18"E. 1909.19 vs. to an Old Stone Mound and a 2 inch Iron Pipe, for the Southeast Corner of Sur. No. 13, and the Northeast Corner of Sur. No. 24, Twp. No. 8, Blk. No. 48;

THENCE:

S.0°16'02"E. 1909.60 vs. to prorated position for the Southeast Corner of Sur. No. 24, and the Northeast Corner of Sur. No. 25, Twp. No. 8, Blk. No. 48, no evidence of the Earth Mound and Pits called for, and bearings to Mountains not obtainable;

THENCE:

S.0°16'03"E. 1909.60 vs. to an Old Stone Mound in a North-South fence, for the Southeast Corner of Sur. No. 25, and the Northeast Corner of Sur. No. 36, Twp. No. 8, Blk. No. 48;

THENCE:

S.0°16'27"W. 1908.08 vs. to an Old Stone Mound for the Southeast Corner of Sur. No. 36, and the Northeast Corner of Sur. No. 37, Twp. No. 8, Blk. No. 48, from which another Stone Mound bears S.89°28'E. 17.74 vs., and a fence corner bears S.86°00'E. 3.88 vs.;

THENCE:

S.0°45'04"E. 1909.23 vs. to an Old Stone Mound for the Southeast Corner of Sur. No. 37, and the Northeast Corner of Sur. No. 48, Twp. No. 8, Blk. No. 48, from which the center of the top of Flat Top Mountain bears S.64°01'42"W., Gomez Peak not visible;

THENCE:

S.0°02'08"E. 1910.87 vs. to an Old Stone Mound for the Southeast Corner of Sur. No. 48, of Twp. No. 8, and the Southeast Corner of Twp. No. 8, also the Northeast Corner of Sur. No. 1, of Twp. No. 9, and the Northeast Corner of Twp. No. 9, of Blk. No. 48, Compass bearing to the outline of Flat Top Mountain, S.65°15'W., Gomez Peak not visible;

THENCE:

S.0°07'07"W. 1910.08 vs. to an Old Stone Mound for the Southeast Corner of Sur. No. 1, and the Northeast Corner of Sur. No. 12, Twp. No. 9, of Blk. No. 48;

THENCE:

S.0°01'32"W. 1909.16 vs. to an Old Stone Mound for the Southeast Corner of Sur. No. 12, and the Northeast Corner of Sur. No. 13, Twp. No. 9, of Blk. No. 48;

THENCE:

S.0°11'19"W. 1909.53 vs. to an Old Stone Mound for the Southeast Corner of Sur. No. 13, and the Northeast Corner of Sur. No. 24, Twp. No. 9, Blk. No. 48;

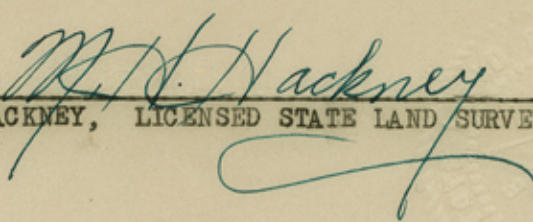
THENCE:

S.0°30'48"W. 1911.05 vs. to an Old Stone Mound for the Southeast Corner of Sur. No. 24, and the Northeast Corner of Sur. No. 25, Twp. No. 9, Blk. No. 48, from which a Wind Mill bears S.36°51'40"E. 238.00 vs.

For purposes of this Revised Report of Survey, no further descriptive data on the East line of Block No. 48, T. & P. RR. Co. Surveys is submitted.

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Having determined the East and West lines of Block No. 48 in the area above described, and having checked the accuracy of the above described lines by tape and triangulation, the distances across the Block along the North and South lines of Sur. No. 16, Twp. No. 9, were determined, and prorated distances across this tier of Surveys were then applied. The resulting field note description for the South one half of Sur. No. 16, Twp. No. 9, Blk. No. 48, were found to be as submitted herewith.

  
M. H. HACKNEY, LICENSED STATE LAND SURVEYOR

H-1007  
**RECEIVED**

**DEC 9 1948**

**GENERAL LAND OFFICE**



File No. 85

Pecos County

Sketch File

Filed Dec 13 19 48  
Dascom Giles Com'r

V. E. Stenzing  
File Clerk

Surveyors Report  
on resurvey of a  
portion of Blk 48,  
Tsp. 9, T. & P. R. R. Co.,  
Pecos County  
By M. H. Hackney  
Sept 30, 1948

(see Rolled Sk #126)