# SURVEY TO ESTABLISH SECTION LINES FOR MORGAN CLAIMS Declination 11 deg. 30 min. East.

Complete survey of the Boundary around Public School Land Blocks
Nos. 109, 110, 111, 113, 114, 115, and part of Block No. 45, in Culberson
County, Texas, and of certain section lines in Blocks Nos. 110, 111, 113, 114,
and 45, and the establishment of certain section corners in the vicinity of the
following patent surveys near which are located the mineral surveys made in the
name of Ed. Morgan:-

The Virginia, the J. V. Smith, the Dott, and the Kyle. This complete survey was made because of the uncertain position of the section lines found in the vicinity of the Morgan surveys and the lack of agreement in latitude and departure between the section lines found marked upon the ground and alsobecause of the incorrect relation between section lines and corners found with the above patent surveys as shown upon General Land Office Plat dated 6-15-1926, with the following endorcement:— "Note: Plat showing the location of Virginia, Dott, and Kyle mining claims in Culberson County, according to judgment of the District Court of Culberson County, rendered on the 14th day of April, 1926, in Cause No. 739, L. R. McLain et al vs. F. C. Plummer et al, and affirmed by the Court of Civil Appeals—reported in 192 S.W. Reporter, page 571."

"General Land Office, Austin, Texas."

The survey was begin April 9th, and required four weeks to complete. I found the East and West line marked upon the ground from the N.E. Corner of Section 15, to the N.W. Corner of Section 16, Block 111, to agree in direction with the outside boundaries of the six blocks surveyed, and required a declination of 11 deg. 30 min. East. This direction was passed over the stake and rock mound found at the S.W. Corner of Section 26, Block 110, and from this corner the general survey was begun. I ran:

Thence: East, along the South line of Blocks 110 and 111 and the North line of Blocks 42 and 52.

- At 1440.0 varas foot of Rustler Hills;
- " 1914.5 varas found "mound of stone in a small draw" upon the Rustler hills;
- " 3819.5 varas found "pile of rocks" and stake for the corner of Blocks 110, 111, 42, and 52, situated at the East foot of a hill;

Thence: Continued East 11404.8 varas;

- At exactly 1 mile, 2 miles, and 3 miles found rock mounds and stakes;
  - " 4 miles nothing found;
- At 5 miles found a rock mound 27 varas East;
- At 6 miles found a rock mound 27 varas East and 8 varas North. Here I also found a rock mound 50 varas N.E. and a rock mound 110 varas N. 45 deg. \*\* But nothing was found acceptable for a correct corner of Blocks 111, 45, and 52;
- At 6 miles 11404.8 varas, set a 4x4 post for the corner of Blocks 111, 45, and 52;

Survey To Establish Section Lines For Morgan Claims -- continued.

Thence: I ran North;

At 2 miles drove an iron pipe on the South side of a road from Toyah to the Virginia Patent survey;

- At 5130.72 varas drove a stake on South line of Morgan Claim 115, 44.28 varas West of S.E. Corner of said claim;
- At 3 miles drove an iron pipe for the N.W. Corner of Section 31, Block 45.
- At 6006.6 varas drove an iron pipe for the N.E. Corner Section 13, Bl. 111.

Note: These last two corners were set after completion of the general survey;

- At 4 miles drove a stake and found a rock mound 6.5 varas East;
- At 5 miles and 930.24 varas, or 10434.24 varas, set a stake on line 51.48 varas West of the S.W. Corner of the Kyle Patent;
  - At 6 miles drove an iron pipe for the N.W. Corner Section 18, Block 45, from which the N.W. Corner of the Kyle Patent bears S. 68 deg. 26 min. E. 58.7 varas;
  - At 7 miles drove an iron pipe for the N.W. Corner of Section 7, Block 45;
  - At 9 miles and 99.2 varas, or 17,206.4 varas drove an iron pipe;

I returned to the S.W. Corner of Section No. 26, Block No. 110, and ren:

Thence: West

- At 1908.2 varas found stake and mound and found cedar tree marked X N. 15 deg. 30 min. E. 63 varas;
- At 3813.0 varas found stake and mound and two cedar trees marked "X" S. 50 deg. W. 61 varas, and N. 68 deg. 30 min. E. 53 varas for the S.W. Corner of Section 28;
  - At 5720.4 varas found stake and mound for the S.W. Corner of Section No. 29;
  - At 7631.4 varas found a 4x4 post and a cedar marked "X" S. 36 deg. 50 min. E. 107 varas for the S.W. Corner of Block No. 110, and the N.W. Corner of Block No. 42;

This gives Block No. 110 a width of 11450.8 varas with all section corners found as described in the records of the Parker Survey of 1900;

Thence: I ran North 2335 varas. No corner found;

- " West 13404.8 varas. No corner found;
- "North 5507.6 varas and found stake and cedar tree marked "X" S. 37 deg.
  30 min. 18 varas as described in the Parker Field notes,
  and situated West 107.4 varas for the S.W. Corner of Sec.
  No. 7, Block No. 109. From this S.W. Corner of Section 7
  found, I ran:

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Survey To Establish Section Lines For Morgan Claims -- continued.

Thence; North;

- At 1908.0 varas found 4x4 post and found one cedar tree marked "X" N. 44 deg. E. 29 varas for the N.W. Corner of Block 109, and the S.W. Corner of Block 115;
- At 3842.0 varas found mound and stake lying down, and found two witness cedar trees situated S. 44 deg. 30 min. W. 7.5 varas and S. 37 deg. 45 min. E. 47 varas at the S.W. Corner of Section 21, Block 115. Here I drove an iron pipe;
- At 5746.6 varas found stake and mound and two cedar trees marked "X" S. 42 deg. E. 16 varas and N. 66 deg. 30 min. W. 23.4 varas for the S.W. Corner of Section 8. Here I drove an iron pipe;
- At 7656.0 varas found mound and stake lying down and found two cedar trees marked "X" N. 87 deg. 30 min. E. 37 varas and N. 21 deg. ". 12 varas for the S.W. Corner of Section 7. Here I drove an iron pipe.
- 9568.8 varas found the S.W. Corner of Block 61, Tsp. 2, a rock mound and slab of rock marked dimly "Paul McCombs and J. P. R." (Randolph) around a 4x4 post; alsp marked "61 B 62--2 T 3". Making the distance surveyed North 15076.4 varas, instead of the full 8 miles of 15206.4 varas, or short in latitude by 130.0 varas. I therefore conclude that the lower tier of sections in Blocks 110 and 111 must be reduced from 2335 varas in latitude to 2205 varas, and as the departure in Blocks 109 and 115 is in excess by 107.4 varas in order to pass the West line of Blocks 109 and 115 over the corners found and identified beyond doubt, the departure of these two blocks becomes, according to measured distance, 13512.2 varas. I have not shown upon map No. 2 the three south tiers of sections in Block 109 as sectionized. But have given the excess departure of 107.4 varas to the East tier in these two blocks, making their departure 2107.4 varas which will be understood from my survey of the North line of Block 115. Nor Have I allowed the latitude of the five irregular sections in Blocks 115 and 109 to extend East of the East boundary of these two blocks. The corners found and identified on the West lines of these two blocks fall not all in a difect line, but a little to one side or the other, as if the line was run entirely dependent upon the needle. But the line as shown upon Map No. 2 passes North and South over the S.W. Corner of Texas Pacific Ry. Block 6%, Tsp. 2, and the S.W. Corner of Section 7, Block 109.

From the corner of the Texas Pacific Railway Block No. 61, Tsp. No. 2,

Thence: East,

I ran:

- At 1, 2, 3, 4, 5, and 6 miles I found stake s at section corners, all but one being cedar stakes;
- At 11893.0 varas found a cedar stake which is 32.0 varas West of the S.E. Corner of Texas Pacific Ry. Block 61, Tsp. 2;
  - Continued East to a total distance of 36367.8 varas and intersected line run North from S.E. Corner of Block 111, 17206.4 varas;

Thence:

South 205.0 varas to iron pipe driven 17206.4 varas North from the S.E.Corner of Block 111, making the entire latitude of the East line of Blocks 111 and 113 to be 17411.4 varas. By subtracting the latitude of the West line of Blocks 109 and 115 which is 15206.4 varas from the latitude of the East line of Blocks 111 and 113, which is 17411.4 we find the remainder of 17411.4--15206.4 to be 2205. varas, which I have given to the South tier of sections in Blocks 110 and 111.

> I also ran a check line to confirm the latitude of the blocks surveyed between the S.W. Corner of Section 26, Bl. 110, and the N.W. Corner of Section 2, Block 114, where I intersected the North boundary as run by me, and found the latitude to be 17411.4 varas. I then set an iron pipe for the corner of Sections 10, 11, 14, and 15, Block 114, to which I tied the end centers of all Morgan claims in the Cooksie Group and to which I also tied Mineral Monument #7. I then established the N.W., the N.E., and the S.E. Corners of Section 18, Block 45, and the N.E., and the S.W. Corners of Section 24, Block 113, to which Corners I tied all end centers of the Kyle Group of Morgan Claims, also Mineral Monuments 3, 4, and 5. At all section corners were driven iron pipes.

> I then established the corner to sections 2, 3, 10, and 11, Block 111, by driving an iron pipe to which I tied all end centers of the Morgan claims of the Dott Group and to which

I tied Mineral Monument #2.

I also established the N.E. and N.W. corners of Setion 15, and the N.W. Corner of Section 16, Block 111, to which all end centers of the Morgan Claims in the Virginia Group are

tied as well as Mineral Monument # 1.

And last, I established the N.E. and the S.W. Corners of Section 13, Block 111, to which all end centers of the Grogan Group of Morgan Claims, and Mineral Monument # 6 are tied. The corners of the several patent surveys are also tied into the section corners.

All section lines and corners established by me in Blocks 45, 111, and 114 were surveyed from the 4x4 post at the S.E. Corner of Block 111.

STATE OF TEXAS COUNTY OF CULBERSON )

I, R. J. Owen, Licensed State Land Surveyor, hereby certify that the above survey was made by me on the ground according to law that the limits, boundaries, and corners, with marks natural and artificial are truly described in the foregoing field notes and plat No. 2 just as I found them upon the ground.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this 8th day of May, A. D. 1927.

icensed State Land Surveyor.

### SURVEY CONNECTING THE VIRGINIA, DOTT, AND KYLE PATENTS

#### Made in connection with Survey of Morgan Claims

#### Declination 11 deg. 30 min. East.

Beginning at the N.W. Cor. of the Virginia, a large R.M. with cedar stake in the centre:

Thence: North 356 varas;

" East 2464.92 varas,

at 1382.76 varas found I.P. for old Corners 9, 10, 15, 16, Block 111.

- " North 2000.00 varas,
- " East 926.28 varas old R. M. in a low draw for S.E. Cor. Dott Pat.

  Resulting in Latitude 2356 varas, Departure 3391.2 varas.

Thence: North 1706.4 varas,

- " East 3421.44 varas,
- " North 516.6 varas to old R. M. on a ridge for S.W. Cor. Kyle Patent.

Resulting, from S.W. Cor. Dott to S.W. Cor. Kyle, in Latitude 2223 varaa, Departure 3421.44 varas.

Totals: Latitude 4579 varas, Departure 6812.64 varas.

#### SURVEY OF BOUNDARY OF THE VIRGINIA PATENT

Beginning at a large R. M. and cedar stake situated in a draw for the N.W. Corner:

- Thence: S. 80 deg. 10 min. E. 1031.0 varas, found scattered rocks 5 varas North on level ground.
  - " S. 9 deg. 50 min. W. 844.0 varas, found some scattered rocks 4 varas East on level plain.
  - " N. 80 deg. 10 min. W. 1031.0 varas, found some scattered rocks 3 varas East on level plain.
  - N. 9 deg. 50 min. E. 844 varas to the beginning.

The rocks at the N.W. Cor. were laid aside while sinking a 4x6 post beside the cedar stake and then replaced the same rocks around the stake and post.

The rocks found near the three other corners were placed around posts after they were set in the ground.

Survey of boundary of the Virginia Patent -- continued.

There is a wire fence around the West half of the Virginia located 25 varas North and 10 varas West of the true lines.

#### THE SMITH PATENT

I was unable to find any monuments or stakes within or without a radius of 500 feet of where corners should be.

#### SURVEY OF BOUNDARY OF THE DOTT PATENT

Began at the old R. M. in a low draw at the S.E. Corner of the Dott Patent:

Thence: West 950.4 varas found a few scattered rocks in a small wash, corner falling in center of rocks;

- " North 950.4 varas, found a small pile of caliche rock 3 varas West on level plain;
- " East 950.4 varas, found a small pile of decomposed caliche rock 3 varas West on flat plain;
- " South 950.4 varas to the beginning.

At the S.E. Corner I placed a 4x6 post and replaced the same rocks around the post.

The old mounds of caliche at the other corners were left as found.

#### SURVEY OF BOUNDARY OF THE KYLE PATENT

Began at the S.W. Corner, a large, old mound of caliche rocks and decomposed caliche on top of wide ridge:

Thence: N. 00 deg. 21 min. E. 950.4 varas, found a large rock mound 36 varas
North on North slope of ridge;

- " East 950.4 varas, found a large rock mound 29 varas West on low ridge;
- " S. 00 deg. 21 min. W. 950.4 varas, a small stake in a small rock pile on flat plain; found a large rock mound 29 varas West;
- " West 950.4 varas to the beginning.

All of these rock mounds were left as I found them.

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STATE OF TEXAS ) COUNTY OF CULBERSON )

I hereby certify that the facts set forth in the above survey are true and correct.

Subscribed to the 8th day of May, 1927.

Licensed State Land Surveyor.

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Culberson County Statement accompanying Obetches "E. M" and Rd." Filed June 22 nd, 1927

JTRaluson
Comme Cert. Correction

STATE OF TEXAS )
COUNTY OF REEVES )

I, R. J. Owen, Licensed State Land Surveyor, hereby certify that I occupied the several Mineral Monuments connected with the location and survey of the Morgan mining claims in Culberson County, Texas, and obtained the bearings and distances to the end centers of the various said Morgan claims, and that they are true and correct to the best of my belief and ability. These observations were taken following my general survey of six public school land blocks, which survey I have already described. Following are the results obtained:

Station Occupied -- Mineral Monument # 1, to:

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M. D. Cow. Virginia Pat.
                                                                                  Vs.
                                          N. 67 deg. 43 min. E.
                                                                               1508.4
N.E. Cor. Virginia Pat.
End Cen. Sur. #81 & N.W.
                                                           59
                                                                               1625.2
                                               67
      Cor. Smith Pat.
                                          N. 70
N. 72
                                                                 11
                                                                       E.
                                                                               1806.9
              Sur.
End
      Cen.
                                                                 11
                                                                       E.
                                                                               2011.6
                                                    11
                                                           22
              Sur.
End.
      Cen.
                                                                 11
                                          N. 74
                                                                       E.
                                                                               2216.2
                     # 101.
                                               75
                                                                               2426.7
                                                           28
                                                                 11
                                                     II
                                                                        E.
               TT
                     #102.
                                          N.
  11
        11
                                                                 11
                                                                               2636.7
                                                                        E.
                                                     11
        11
               11
                                          N.
  11
                     #103.
                                                            24
                                                                       E.
                                                                               1418.1
                Ħ
                                          N.
  11
                     #82.
                                          N. 59
N. 52
                                                           46
                                                                11
                                                                       E.
                                                                               1246.1
                     #83.
        11
               11
                                                                 11
                                                     11
                                                                       E.
                                                                               1089.5
                                                            27
        17
                11
  TT
                                                                                951.7
                                                            34
                                                                 11
                                          N. 42
                                                     11
                                                                       E.
                     #85.
                Ħ
  TT
                                                            42
                                                                 11
                                                      11
                                                                       E.
                     #86.
                                           N. 30
                                          N. 16
N. 00
                                                                 11
                                                     II
                                                           13
                                                                        E.
                                                                                 806.9
                II
                      #87.
  11
        11
                                                                                 811.7
                                                           53
                                                                 11
                                                      11
                                                                        E.
                11
                      #88.
        11
  TT
                                                                                 871.8
                                              13
                                                      TT
                                                                        W.
                                          N.
        11
                ft
                      #120.
  11
                                                                                 298.9
                     #90 & #91.
#89 & #92.
#111 & #112.
                                                            22
                                                                 11
                                                                       E.
        Ħ
                11
                                           N.
                                                                 11
                                                                        W.
                                                      II
                                                            32
                11
                                                 6
  Ħ
        11
                                           N.
                                                                 11
                                                                                 395.7
                                              38
                                                      11
                11
                                           N.
                                                           06
                                                                        W.
        11
  TT
                                                      11
                                                                                 310.6
                      #122.
                                           S. 16
                                                            41
                                                                        E.
  TT
                                                                                 288.5
                     #121.
#97 & #98.
#118.
                                                                 n
                                                      11
                                                            22
                                                                        W.
                                           S. 25
                11
  11
                                           N. 89
                                                      n
                                                                 11
                                                                        E.
                                                                               1410.2
                                                           07
                11
  11
                                           S. 74
S. 77
S. 76
S. 77
S. 78
                                                                               1314.8
                                                                TT
                                                                        E.
                                                      11
                                                            58
                11
        11
  17
                                                                               1523.3
                                                      11
                                                                        E.
                                                           04
                      #117.
                                                                        E.
                                                           49
                                                                11
                                                                               1496.2
                      #119.
        11
                11
                                                                 11
                                                                        E.
                                                                               1545.5
                                                      11
 S.W.
                Smith Pat.
        Cor.
                                                                               1735.6
776.7
845.6
                                                                        E.
                                                                 11
                                                      11
                                                            40
              Sur. #116.
 End Cen.
                                                                 11
                                                                        E.
                                                      II
                      #93 & #95.
#94 & #96.
                                           S.
                                                            03
                11
                                               54
                                                                        E.
                TT
        11
```

Station Occupied -- Mineral Monument # 2, to:

End	Cen-	Sur.	#55.	N.	30	11	27	п	W.	
11	11	11	#161.	N.	68	11	52	11	W.	1410.6
			#160.					11	W.	1613.9
17	11	11	#157 & #159.	S.	94	11	29	11	W.	1365.5
11	.11	11	#157 & #159. #156 & #158.	S.	76	11	36	11	ew	1578.7

### Station Occupied -- Mineral Monument #3, to:

```
Vs.
714.2
905.0
1105.2
1437.1
1169.9
2123.1
                                                                        N. 31 deg.

N. 24 "

N. 19 "

N. 58 "

N. 69 "

N. 64 "
End Cen. Sur. #170. #130.
                                                                                                      26 min.
                                                                                                                         W.
                                                                                                                          W.
W.
                                                                                                      13465338
                                                                                                              11
" " #131.
S.W. Cor. Sec. 24. Bl. 114.
End Cen. Sur. #163 & #165.
" " #167 & #169.
" " #166 & #168.
" " #162 & #164.
                                                                                                                11
                                                                                                             11
                                                                                                                           W.
                                                                                                             11
                                                                                                                           W.
                                                                                                                           W.
                                                                                                                                        2206.2
                                                                                                                           W.
                                                                         N. 43
                                                                                                      29
                                                                                                                          W.
```

### Station Occupied -- Mineral Monument #4, to:

End.	Cen.	Sur.	<b>#</b> 20. #21.		S. S.	20	deg.	48 16 21	min.	E. W.	2157.5 2090.7 403.2
11	11	11	#77.	#170	S.	96	11		11		617.4
11	11	11	#59 &	#139.	S.		11	13	11	W.	017.4
Ħ	11	11	#60.	#4 =0	S.	49		21	11	W.	942.1 832.6
11	11	11	#30 &	#138.	S.	4	11	41	п	W.	1010 1
11	11	11	#29 &	#137.	S.	2	11	47		W.	1048.1
11	11	11	#136.		S.	33222	11	12	11	W.	1263.8
11	11	. 11	#135.		S.	2	11	47	17	W.	1479.5
11	11	11	#134.		S.	2	11	28	17	W.	1695.4
11	11	11	#133.		S.	2	11	14	11	W.	1911.2
11	11	11	#132.		S.	2	11	03	11	W.	2127.1
\$. W.	. Cor.	. Kyl	e Pat.		S.	26	11	28	11	E.	2253.0
End	Cen.	Sur.	#22.		S.	27	11	46	11	E.	2156.7
11	11	11	#23.		S.	30	11	43	11	E.	1968.0 1786.9
11	11	11	#24.		S.	34	11	19	11	E.	1786.9
11	11	11	#25.		S.		11	41	11	E.	1613.9
N.W.	. Cor.	. Kyl	e Pat.		S.	43	u	27	п	E.	1467.9
End	Cen.	Sur.	#26.		S.	44	11	02	11	E.	1452.0
11	11	11	#27.		S.	50	11	41	11	E.	1306.6
11	11	11	#28.		S.	58	11	50	11	E.	1182.3
11	11	11	#1.		S.	46	11	22	11	E.	1544.0
11	11	- 11	#2.		S.	51	11	22	11	E.	1706.6
Ħ	н	11	#3.		S.	55	11	29	11	E.	1880.3
11	11	11	#4.		S.	58	11	53	11	E.	2061.8
N.E	. Cor.	. Kyl			S.	61	11	28	11	E.	2230.6
End		Sur.	#5.		S.	61	11	44	11	E.	2249.9
11	11	11	#6.		S.	64	11	08	11	E.	2442.2
17	11	11	#7.		S.	66	11	11	11	E.	2638.6
17	11	11	#8.		S.	59	11	05	11	E.	2284.0
										400	

# Station Occupied -- Mineral Monument #5, to:

End Cen. Sur. #8. " " #9. " " #10. " " #11.	N. 8 S. 7 S. 7	5 11		11	W. W. W.	1113.2 1107.7 1143.8 1221.4
S.E. Cor. Kyle Pat. End Cen. Sur. #12.	S. 5.	7 "	45 58		W.	1311.5
и и #14.	S. 4	3 "	53	11	W.	1600.3

# Station Occupied -- Mineral Monument #5, to:

										Vs.
End	Cen.	Sur.	#15.	S.	60	deg.	06	min.	W.	1404.1
11	11	11	#142.	N.	00	11	25	11	W.	358.6-
11	11	11	#141.	N.	00	11	16	11	W.	574.6
11	11	11	#140.	N.	00	11	11	11	W.	790.6
11	11	11	#143.	N.	9	11	38	11	W.	144.5
11	11	11	#144.	S.	18	11	38 15	11	W.	77.3
11	11	11	#145.	S.	4	11	47	11	W.	290.4
11	11	11	#146.	S.	2	11	44	11	W.	506.0
11	11	11	#147.	S.	1	11	55	11	W.	722.0
11	11	11	#148.	S.	1	11	29	11	W.	937.7
11	11	11	#149.	S.	1	11	12	11	W.	1153.7

Subscribed to this 11th day of May, 1927, at Toyah, Reeves County, Texas.

Licensed State Land Surveyor.

R.J. Owen

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