acepted april 2- 1907 5. Book "a" 4-679. 2128 BOOK 2128 FIELD NOTES 2128 2128 OF THE SURVEY OF THE (Sily Tps. 15. 16. 17 + 18 N. R 21 2 and Bely Tps. 17.18 + 19 N. R221 2128 of the Cilce & Salt RiverMeridian, AS SURVEYED BY fur Vertu, United States Deputy Surveyor, Under his Contract No. 128, dated March 14- , 18005 Survey commenced Opril 13-Survey completed _____ Cere 14 = 2128 2128

BOOK 2128 NAMES AND DUTIES OF ASSISTANTS. Sence R O bonno cheenman + Moundman Les. Weesseile huinmun + Moundman A. Richeles axman William Codque Exman Aving augur Hagman



INDEX DIAGRAM.

| Towns | ship | | , Range | | |
|--------|------|----|---------|----|----|
| 6 | 5 | 4 | 3 | 2 | 1 |
| 7 | 8 | 9 | 10 | 11 | 12 |
| 18 | 17 | 16 | 15 | 14 | 13 |
| 19 | 20 | 21 | 22 | 28 | 24 |
| 80 | 29 | 28 | 27 | 26 | 25 |
| 81 | 82 | 33 | 34 | 85 | 36 |

Meanders Page.....

6—151

2128 PRELIMINARY OATHS OF ASSISTANTS. BOOK O'bonnor WE, 🖌 It learsules Lev and. do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain over even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of Buly Tps 15.16.17+18NR21H and Tps 17.18+19N R22 1 ken ., Chainman. caray____, Chainman. day of _____ (1905 J. Fisher Notury Public Lig committee expires 110,1 **9**, 1900**8** Henry R O'Connor and Gerry W WE, do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of Bily Tps 15. 16. 17+18 NR 21 Mand Tps. 17. 18. 19 NR 22 W Moundman. Mr. Ciacidy, Moundman. Subscribed and sworn to before me this 13april , 1805 day of _____ J. Jishu Unhary Public Lay contraction of supplies : 9:8 J. Munphy and J. W. Richells + WE, _____ do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of Jely Tps 15.16.17 +18 N R 21 Mand Tps 17, 18+19 N R 22 W Ź...., Axman., Axman. William Rody axman Cepril , 1995 day of Ferhie 14, considering and ny Puttie S 9, 188 nicy. I Couper , do solemnly swear that I will well and truly I, perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of Bely, Tps. 15. 16. 17 + 18 N R214 + Tps. 17. 18 + 19 N R22 4 Flagman. Subscribed and sworn to before me this _____ pril , 1805 day of Fertus Mary Public Li, constants 6-151

| | • • • | BOOK 2128 | 25 | - |
|---|----------------------------------|---|----|---|
| | East Bou | BOOK 2128 Zundary Township 16 North, Range 21 West. | D | 1 |
| | Chains. | April 13, 1905. I begin at a point 72 1ks. E. of Standard 1/4 Sec.Cor. on S. bdy. Sec.31, Tp.17 N.R.20W. where I set a lava stone 24x18x14 ins. 20 ins.in ground for closing cor. T16N.Rs.20 & 21 W. marked C.C.16 N.on S. 20 W.on E. and 21 W. on W.faces, with 6 grooves on E.W.& S.faces, raised a mound of stones 2 ft.base 1 1/2 ft.high S.of cor. No trees, pits impracticable. Survey commenced April 13, 1905, and executed with a W.& L.E.Gurley Light Mountain Transit, not numbered, with a Smith Solar Attachment, The horizontal limb is provided with two double verniers placed opposite to each other, reading to single minutes of arc, while is also the least count of the verniers of the lati- tude and declination arc. The instrument was examined, tested on the true meridian at Phoenix, found correct, and was approved by the Surveyor General for Arizona, March 15, 1905. I examined the adjustments of the transit, and correct the level and collimation errors; then to tost the solar apparatus by comparing its indication, result- ing from solar ebservation made during a. m. and p. m. hours, with a true meridian determined by observa- tions on Polaris, I proceed as follows:- 114° 26'17' At 4 h.p.m.l.m.t. lat.34°44'51-2/10'N., Jong. 114° 25'17' W., I set off 34°44-5/10'Non the lat.arc, 9°6'N.on the decl.arc and detormine with the solar a true me- ridian and mark a point thereof on a stone set firm- ly in the ground 5 chs.N.of the cor. At 51.50.60 m.p.m.1.m.t. by my watch which has correct time; I observe Polaris at Western elongation in ac- cordance with Manual of Instructions, and Mark a point on the line thus determined on a plug driven into the ground 5 chs.N.of my station. April 13, 1905. | | |
| • | | April 14. at 7 h. 14 m. a.m.l.m.t. I lay off the azimuth of Polaris 1°28" to the E. and mark the true meridian thus determined by cutting a groove in the stone set April 13, on which the true meridian falls 0.2 ins. W.of the mark determined At 7h.30m.a.m.l.m.t. I set off 34°44. 5'N on the lat.arc; '9°20'N.on the decl.arc; and mark a point on the true meridian determined by the solar, stone already set 5 chs.N. of cor., this mark falls 0.15 ins. W. of the true meridian paris observation. The solar apparatus by p.m. and a.m. position of the true meridian respectively about 0'11 inse. E. and 0'8" W.of the true meridian established by Polaris observation; therefore justments of the instrument are satisfactory. The magnetic bearing of the said true meridian is 15° 5'W. which gives the mag.decl.15°5'E. | | |
| | 17.50 23.50 29.50 40.00 | Thence I run, S.between Secs.l and 6, Descend over rocky mountaineous country, Cross dry creek, 17 lks.wide, course Ascend Summit of ridge, N.E. and S.W. course S.W. Descend Cross dry creek, 10 lks.wide, course Ascend Set a lava stone 18x10x7 ins. 14 ins. in ground for 1/4 Sec.cor. marked 1/4 on W. face, raised a mound of stones 2 ft. base 1.5 ft.high W.of cor. No trees, pits impracticable. | | |

BOOK 2128

East Boundary Township 16 North, Range 21 West. Chains 41.00 Top of Ridge, course N.E. and S.W. Descend, 46.00 Cross dry creek, 75 lks.wide, course S.W. Ascend Set a lava stone 20x8x8 ins. 16 ins.in ground for cor. Secs. 1,6,7, and 12, marked with 1 notch on N. and 80.00 J. 5 notches on S. faces, raised a mound of stones 2 ft. base, 1.5 ft. high W. of cor. No trees, pits impracticable. Soil rocky, fourth rate. Land rough, rolling, mountaineous. Mountaineous land 80.00 chs. V South between Secs. 7 and 12. Descend over rolling broken country, Cross gulch 20 lks.wide, course S.W. 6.50 8.75 Cross gulch 15 lks.wide, course S.W. Cross gulch 20 lks.wide, course S.W. Cross gulch 30 lks.wide, course S.W. Cross gulch 20 lks.wide, course S.W. Cross gulch 50 lks.wide, course S.W. 13.50 19.00 24.50 28.00 Cross gulch 40 lks.wide, course S.W. Set a lava stone 18x13x7 ins 1214 ins.in ground for 1/4 Sec.cor. marked 1/4 on W. face, raised a mound of stones 2 ft. base, 1.5 ft. high, W. of cor. 37.25 40.00 No trees, pits impracticable. Cross guich 10 lks.wide, course W. 41.00 Cross dry creek, 75 lks.wide, course N.W. 47.50 Ascend 65.00 Summit of ridge, course E. and W. Descend 72.50 Cross dry creek 30 lks.wide, course S.W. Ascut. Set a lava stone 20x10x10 ins. 510 ins.in ground for cor. 80.00 Secs.7, 12, 13 and 18, marked 2 notches on N. and 4 notches on S. faces, raised a mound of stones 2 ft. base, 1.5 ft. high W. of cor. No trees, pits impracticable. Formation volcanic. Soil rocky, fourth rate. Land rough, broken, polling, mountaineous. Mountaineous land 80.00 chs. South bet. secs. 13 and 18. Descent Cross gulch 30 lks.wide, course S.W. 3.00 Cross gulch 30 lks.wide, course S.W. Cross canon 40 lks.wide, course S.W. N. edge of canon, course S.W. 6.50 12.50 18.75 25.00 Bottom of canon, course S.W. Ascend S. edge of canon, course S.W. // Set a lava stone 16x10x8 ins. 18 ins.in ground for 1/4 31.75 40.00 Sec.cor. marked 1/4 on W. face, raised a mound of V stones 2 ft. base, 1.5 ft. high, W. of cor. No trees, pits impracticable. Top of ridge, course ME. and SW. 80.00 Top of ridge, courseNE. and W. /8-Set a lava stone 24x14x12 ins. 20 ins.in ground for cor. Secs.13, 18, 19 and 24 marked 3 grooves on N. and 3 grooves on S. faces, dig pits 18x18x12 ins. in each sec. 5.5 ft.dist. and raised a mound of earth 4 ft. base 2 ft. high W. of cor. No trees Soil gravelly, third rate Land rolling mountaineous Mountaineous land 80.00 chs. aplil 14. 1905

226 *2

BOOK 2128 227 3

East Boundary Township 16 North, Range 21 West. Chains April 15. at 7h.a.m.l.m.t. I set off 34° 42'/on the lat. arc and 9° 41'Non the decl.arc and determine a true meridian with the solar at cor.Secs.13,18,19 and 24. Thence I run S.bet. Secs. 19 and 24 ever level land, slpping to W. Set a lava stone 20x10x10 ins/³16 ins.in ground for 1/4 Sec.cor. marked 1/4 on W. face, dug pits 18x18x12 ins. N. and S. of cor. 3 ft. dist., raised a mound of earth 3.5 ft. base, 1.5 ft. high W. of cor. Thence I run 40.00 No trees Descend Cross canon, 50 lks.wide, course S.E. 56.50 62.25 Cross canon 50 lks.wide, course S.W. Cross canon 50 lks.wide, course S.W. Bottom of Canon, 50 lks.wide, course W. 69.00 78.00 Ascend The point for cor.Secs. 19,24,25 and 30 falls on steep N. side of canon not suitable to establish a perma-80.00 nant corner, therefore at /s-Set a lava stone 20x10x8 ins. 16 ins in ground for W.C. cor. Secs.19,24,25 and 30, marked 4 grooves on N. and 2 grooves on S. faces and W.C. on W. face, raised a mound of stones 2 ft. base, 1.5 ft. high W. of cor. 81.00 No trees, pits impracticable. Soil sandy loam and rocky; second and fourth rates Land level and mountaineous Mountaineous land 40.00 chs. April 15 at the above cor: I set off 9° 44% N. on the decl.arc and at 12h.m.l.m.t. observed the sun on the meridian, the resulting lat. is 34°41% which is about 32.6" less than the proper latitude. Thence I run from true corner point Outh Inturn suce 75-30 Ascend Top of ridge, course E. and W. 10.00 Descend Enter Sacramento Wash, course S.W. 19.00 33.00 Center of water-way, dry 39.00 Leave wash, Ascend Set a lava stone 18x14x10 ins. 14 ins.in ground for 1/4 40.00 Sec.cor. marked 1/4 on W. face, raised a mound of stones 2 ft. base 1.5 ft. high, W. of cor. Steel Rail-road bridge across Sacramento Wash bears E. 10 chs. Cross S.F.P.Rail-road, course N.E. and S.W. 43.55 Cross telegraph line, course N.E. and S.W. Cross telegraph line, course N.E. and S.W. Set a lava stone 24x10x8 ins/20 ins in ground for cor. Secs.25,30,31 and 36, marked 1 groove on S. and 5 grooves on N. faces, raises a mound of stones 2 ft. base, 1.5 ft. high, W. of cor. 44.17 44.63 80.00] No trees, pits impracticable Soil gravelly, third rate Land mountaineous Mountaineous land 80 chs. South between Secs. 31 and 36 obcurling Top of Ridge, course E. and W. , \geq Set a lava stone 18x12x10 ins. 14 ins.in ground for 1/4 40.00 Sec.cor. marked 1/4 on W. face, raised a mound of stones 2 ft. base, 1.5 ft. high, W. of cor. No trees, pits impracticable. Descend Set a granite stone 18x12x12 ins. 14 ins.in ground for cor. Twps. 15 and 16 N. Rs. 20 and 21 W. marked 16 N. on N., 15 N. on S., 20 W. on E., and 21 W. on W. faces and 6 grooves on N.S, E. and W. faces, raised a mound of 80.00

BOOK 2128-

| A | BC | OK 2128 |
|---|--|--|
| 4 | - | East Boundary Township 16 North, Range 21 West. |
| | | Lost Sourcary Township To North, Range 21 West. |
| | Chains | |
| | 1 | stones 3 ft. base 2.5 ft. high, S. of cor. |
| | | No trees, pits impracticable. Soil, granite formation, third class. |
| | | Land rolling mountaineous |
| | | Mountaineous land 80.00 chs. |
| | | |
| | | |
| | | Couth Boundary Marriela 10 M 11 P |
| | | South Boundary Township 16 North, Range 21 West |
| | | |
| | | April 16. At 7h.a.m.l.m.t. I set off 34° 39% on the lat. |
| | , | arc, 10°03'' N.on the decl.arc and determine a true |
| | | meridian with the solar at the cor.Tps.15 and 16 N. |
| | | Rs.20 and 21 W. Thence I run |
| | | West between Sec.1 and 36 |
| | | Descend |
| 4 | 40.00 | Set a lava stone 16x10x10 ins. 12 ins.in ground for 1/4 |
| | V. 1 | Sec.cor. marked 1/4 on N. face. raised a mound of |
| | • | stones 2.5'base, 1.5 ft. high N. of cor. |
| | 51.00 | No trees, pits impracticable. |
| | 65.55 | Cross gulch 50 1ks.wide, course S.W. Cross gulch 20 1ks.wide, course S.W., ascend, |
| | 78.00 | Top of Ridge, course N.E. and S.W. |
| | 80.00 | Set a lava stone 18x10x6 ins 1714 ins.in ground for cor. |
| | | Secs.1,2,35 and 36, marked 1 groove on E. and 5 |
| | • | grooves on W. faces, raised mound of stones 2 ft. |
| | | base, 1.5 ft.high W. of cor. |
| | | No trees, pits impracticable. |
| | | Soil rocky, third ratel Land rolling mountaineous, cut up by deep canons. |
| | | Mountaineous land 80.00 chs. |
| | | |
| | | |
| | | Thomas T mm |
| | | Thence I run West between Secs.2 and 35. |
| | X | Descend |
| | 11.00 | Cross canon 150 lks.wide, course S.W. |
| | 74 50 | Ascend |
| | 14.50 | Top of Ridge, course N.E. and S.W. Descend |
| | 17.50 | Cross canon 20 lks.wide, course S.W. |
| | | Ascend |
| | 27.00 | Top of Ridge, course N.E. and S.W. |
| | | Descend |
| | 33.50 | Cross canon 50 lks.wide, course S.W. Ascend |
| | 40,00 | Set a lava stone 18x8x8 ins. 14 ins.in ground for 1/4 |
| | | Sec.cor. marked 1/4 on N. face, raised a mound of |
| | • | stones 2 it. base, 1.5 ft. high. N. of cor. |
| | | No trees, pits impracticable. |
| | 52.24 | Top of ridge, course N.E. and S.W. |
| | | Whence water tank at Mellen Station on S.F.P.Rail-road |
| | | bears S.61°15'W. The E. end of bridge across Col- orado River Bears S.64°50'W. Descend. |
| | 56.90 | Cross telegraph line, course N.E. and S.W. |
| | 57.63 | Cross telegraph line, course N.E. and S.W. |
| | 58.35 | Edge of montains, drops rapidly into Mohave Valley |
| | 58.68 | Cross S.F.P.Railway, course N.E. and S.W. |
| | 61.35 70.00 | Enter Mohave Valley, through dense undergrowth. |
| | 70.00 | Cross wagon road, course N. and S. Cross fence, course N. and S. |
| | 74.81 | Whence pump station bears N.77°30'E. 7 chs.distant |
| | - in y wrata | house bears N.70°30'E. 6.50 chs.distant, house |
| | | occupied by Indians bears N.66°E. 4 chs.distant. |
| | | nouse occupied by Indians bears N.18°E. 8 chs.dist. |
| | 78.63 | Set a pine post 6x6 ins.square 4 ft.long. 3 ft.in |
| | . : | ground for meander cor.on bank of Colorado River. |
| | | bank about 4 feet above water, post marked M.C.on |
| | | W., T.16 N.S.35 on N. and T.15 N.S.2 on S.faces and |
| | an in the second se | |

•

| • | | Poor | 22 | 9 |
|--------|---------------------|---|--------------|---|
| · | | BOOK South Boundary Township 16 North, Range 21 West. | 2128 | 5 |
| • | Chains | 2 grooves and R.21 W.on E.face; dug pit 36x36x12 in 8 ft.E.of cor. and raised mound of earth 4 ft.base 2 ft.high E. of cor. No trees, | ns. | 1 |
| • | | Soil sandy loam and rocky, first and third rates, Land Monntaineous and level. Mountaineous land and land covered with dense under- growth 78.63 chs. | | 1 |
| - | | april 16, 1905 | | |
| | | West Fractional Boundary of Tp. 16 N., R. 21 West. | · | |
| | | May 1, 1905. At 6h.30m.a.m.l.m.t. I set off 34°44.5'N.on lat.ard and 15%1'N.on the decl.arc.and determine a true me- ridian at the meander cor.on Fourth Standard Paral S. boundary of Sec.31, T.17 N.R.21 W. Thence I run | - | |
| | 0. 85 v | East on Fourth Standard Parallel Where I set a Mesquite post 6 ins.sq. 4 ft.long, 3 ft in ground for closing cor.of Tp.16 N.R.21 and 22 W marked C.C.T.16 N.on S., R.22 W.S.1 on W. and R21 W S.6 on E., with 6 grooves on E.S.& W.faces; dug pits 30x24x12 ins. across E.W. and S.lines 4 ft.E.& W. and 8 ft.S.of cor., raised mound of earth 5 ft.base 2.5 ft.high S.of cor. | • W. S | |
| | 3.34 | | • , | |
| | 36.00 40.00 J | Set a Mesquite post 6 ins.sq.4 ft.long 3 ft.in ground for 1/4 Sec.cor. marked 1/4 S.6 on W.face, and / on 8 Whence a Mesquite 10 ins.diam.bears N.35°E. 73 lks. dist. marked 1/4 S.6 B.T. | face " | |
| | 80.00 | A Mesquite 6 ins.diam.bears S.60°W. 197 1ks.dist. marked 1/4 S.1 B.T. Set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in groun for cor.Secs.1,6,7,87 marked T.16 N.S.6 on NE., R.21 W.S.7 on SE.,S.B on SW. and R.22 W.S.1 on NW. faces, with 1 groove on N. and 5 grooves on S. edg | | |
| - | • | <pre>Whence a Mesquite 4 ins.diam.bears S.84°15'W. 11 lks. dist. marked T.16 N.R.22 W. S.12 B.T. A Mesquite 4 ins.diam.bears N.32°W.15 lks.dist.marked T.16 N.R.22 W.S.1 B.T.</pre> | | |
| | | A Mesquite 4 ins.diam.bears N.70°45'E.26 lks.dist. marked T.16 N.R.21 W.S.6 B.T. A Mesquite 4 ins.diam.bears S.53°15'E. 11 lks.dist. marked T.16 N.R.21 W.S.7 B.T. Soil sandy loam, first rate, | | |
| - - | | Land level, subject to overflow, covered with dense undergrowth of Arrow-wood and scattering Mesquite timber, 80.00 chs. | | |
| | | | | |
| - | 9.02 | | i- | |
| | 14.52 25.30 √ | vated land to E.of line, course of fence E. and W. Cross Indian fence, course E. and W. Intersect left bank of Colorado River, bank about 4 f high, where I set a pine post 8 x 10 ins.sq. 4 ft. long, 3 ft.in ground for meander cor.of Frac.Secs. 7.and 12, marked M.C.on S., R.22 W.S.12 on W., and | t. | |
| | | | | |

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BOOK 2128

2,30

6

West Fractional Boundary Tp.16 N., R. 21 W., contd. Chains

R.21 W.S.7 on E. and T.16 N.on N.faces, dig pit 36x36x12 ins. 8 ft.N., and raise a mound of earth 4 ft.base, 2 ft.high N.of cor.
No trees available.
Soil sandy loam, first rate,
Land level, subject to overflow, covered with scattering Mesquite timber and dense undergrowth of Arrowwood, 25.30 chs.

May 1, 1905.

Boundaries of T. 16 N., R. 21 W.,

Latitudes, departures and closing errors.

| | | | Latitu | ides. | Depart | cures. | |
|---------------------------|-----------|------------------|------------------|-----------------|---------|--|--|
| Line designated. | True brs. | Dist. | N. | s. | E. | ₩. | |
| E.Bdy. | South | Chs. 480.00 | \mathbf{Chs} . | Chs. 480.00 | Chs. | Chs. | |
| S.Bdy. Meanders River, | | | 3743740 | 3 | | 158.63 3 20.80 320.44 | |
| W.Bdy. 4th.St.Par.N. | | 105.30 477.96 | L | | 477.96 | | |
| Convergency Totals, | | | 479.40 480.33 | 480.00 | 1490 17 | 479.47 | |
| Errors in 1 | at. | · · | 37 | 479.40 Dep.6 | | 479.47 | |

GENERAL DESCRIPTION.

This Township is rough and mountaineous in the Eastern half, the Western portion being bottom land of the Colorado River.

There is no water or timber in the mountaineous portion; the valley portion is well watered and covered with heavy Mesquite Timber and dense undergrowth.

6.Deputy Surveyor.

East boundary of Tp.17 N., R. 21 West.

BOOK 2128 7

| | Chains | |
|---|---|--|
| | | Survey commenced May 4, 1905 and executed with a W.& L. |
| - | | E.Gurley Light Mountain Transit, not numbered, with |
| | | a Smith Solar attachment. The horizontal limb is |
| | | |
| | | provided with two double verniers placed opposite to |
| | | each other reading to single minutes of arc, which is |
| | | also the least count of the verniers of the latitude |
| | | and declination arc. |
| | | The instrument was examined and tested on the true me- |
| | | rian at Phoenix, found correct and was approved by the |
| | | |
| | | Surveyor General of Arizona March 15, 1905. |
| | - | I examined the adjustments of the transit and correct |
| | | the level and collimation errors, then to test the |
| | | solar apparatus by comparing its indication result- |
| | | ing from solar observations made during a.m. and p. |
| | | m.hours with a true meridian by observations on Po- |
| | | laris, I proceed as follows:- |
| | | May 4. At the Standard cor. of Tps. 17. N. Rs. 20 and 21 |
| | | |
| | | W., lat.34°44'31.2"N., long. 114°26 40"W., at 5h.30m. |
| | | p.m.l.m.t. I set off 34°45' N. on the lat.arc and |
| | 1 | '16°2'N.on the decl.arc and determine with the solar |
| | | a true meridian and mark a point thereof on a stone |
| | | set firmly in the ground 5 chs.N.of cor. |
| | | |
| | | Nov. 4. 1005 |
| | | May 4, 1905. |
| | | |
| • | | |
| | | May 5, 1905. |
| | | |
| | | At 4h. 50m. a.m. by my watch which has correct E.m.t. I |
| | | observed Polaris at Eastern elongation, in accor- |
| | | dance with the Manual of instruction and mark a point |
| | | on the line thus determined on a plug driven into |
| | | the ground 5 chs.N.of my station. |
| | | At 7h.a.m.l.m.t. I lay off the azimuth of Polaris 1° |
| | | 28' to the W. and mark the true meridian thus de- |
| | | termined by cutting a small groove in the stone set |
| | | May 4 on which the true meridian falls 0.20 ins.W. |
| | | may 4 on which the true meridian fails 0.20 ms.w. |
| | | of the mark determined by the solar |
| | | At 7h.30m.a.m.l.m.t. I set off 34°45'N.on the lat. |
| | | are and 16°11'Nr on the decl.arc and mark a point in |
| | | the true meridian determined with the solar by a |
| | 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - | cross on the stone already set 5 chs.N.of my station, |
| | 12.00 | this mark falls 0.25 ins.W.of the true meridian es- |
| | | tablished by Polaris observation. |
| | ai a a | The solar apparatus by p.m. and a.m. observations de- |
| | | fines position for true meridians respectively about |
| | | 0'11"E. and 0'13"W. of the true meridian established |
| | | by Dolemia observations therefore T usual the |
| | • | by Polaris observation; therefore I conclude thet |
| | | the adjustments of the instrument are satisfactory. |
| | | The magnetic bearing of the said true meridian is 15° |
| | | 5'W. which gives the mag.decl.15°5'E. |
| | | |
| | l. | |
| | | |
| | | Thence I run, |
| | | North between Secs. 31 and 36, on E. boundary T.17.N. |
| | | R 21 W over polling mountaincour country 1.17.N. |
| | | R.21 W., over rolling mountaineous country. Descend, |
| | 1.00 | |
| | T.00 | Cross gulch 75 1ks.wide, course SW. |
| | | Ascend, |
| | 15.00 | Cross top of ridge, course E. and W. |
| | | Descend, |
| | 28.00 | Cross canon, 3 chs.wide, course NW. |
| | | Ascend, |
| | 32.00 | Cross top of ridge, course E. and W. |
| | | Descend. |
| | 36.50 | Cross canon, 50 lks.wide, course SW. |
| | 50.00 | |
| | 10 00 | Ascend, |
| | 40.00 { | |
| | | Sec.cor.marked 1/4 on W.face, raised a mound of |
| | | stones 2 ft.base, 1.5 ft.high W.of cor. |
| · | | No trees, pits impracticable. |
| | | |
| 1 | | |

East boundary of T. 17 N., R. 21 W., continued.

| | | East boundary of 1. 17 N., R. 21 W., Continued. |
|-----|-------|--|
| Ch | ains | |
| 5 | 0.00 | Ascend, Cross summit of ridge, course NE. and SW. |
| 6 | 2.33 | Descend, Cross canon, 30 lks.wide, course SW. |
| 7 | 5.00 | Ascend, Cross summit of ridge, course NE. and SW. Descend, /5 |
| 8 | 0.00 | Set a lava stone 20x10x10 ins. 18 ins.in ground, for cor. Secs.25,30,31,36, stone marked 1 groove on S. and 5 grooves on N.edges, raised a mound of stones 2 ft. |
| | | base, 1.5 ft.high W. of cor. No trees, pits impracticable. Soil rocky, lava formation, foursh rate. Land rolling mountaineous, |
| | | Mountaineous land 80.00 chs. |
| | ÷ | |
| | : | Thence I run, North between Secs. 25 and 30, over rolling mountain- eous country. Descend, |
| 1 | 5.20 | |
| 2 | 4.00 | |
| 3 | 3.70 | |
| 4 | 0.00 | Set a lava stone 18x12x10 ins. 14 ins.in ground for 1/4 Sec.cor. marked 1/4 on W. face, raised mound of stones 2 ft. base, 1.5 ft.high W. of cor. |
| | 4.00 | Descend, |
| | | Cross canon 40 lks.wide, course SW. Ascend, |
| 8 | 0.00 | Cross summit of ridge, course NE. and SW., set a lava stone 24x12x8 ins./18 ins.in ground for cor.Secs.29,24,25,30, stone marked 2 grooves on S., 4 grooves on N.edges, raised a mound of stones 2 ft. base, 1.5 ft.high W. of cor. No trees, pits impracticable. |
| | | Soil rocky, lava formation, fourth rate. Land rolling mountaineous, |
| | | Mountaineous land 80.00 chs. \checkmark |
| | | |
| | | At 12h.m.l.m.t. I set off 16 ⁶ 14'N.on the decl.arc and observed the sum on the meridian, the resulting lat. being 34°46'N. which is 0'15.6" less than the true lat. |
| | | Thence I run, North between Secs. 19 and 24, over rolling mountain- eous country. |
|]] | 10.10 | Descend, Cross gulch 20 lks.wide, course SW. Ascend, |
| נן | L5.00 | |
| 2 | 22.00 | Cross wash, 4 chs.wide, course \$W. Ascend. |
| | 30.00 | Cross summit of ridge, course E. and W. Descend, |
| 4 | 10.00 |) Set a lava stone 18x10x8 ins. set 12/ins.in ground for 1/4 Sec.cor. marked 1/4 on W.face, raised a mound of stones 2 ft.high, 1.5 ft.high W. of cor. |
| 4 | 14.00 | No trees, pits impracticable. Cross canon 2 chs.wide, course SW. Ascend, |
| | | |

23² BOOK 2128 8

| • | . • | BOOK | 2128 | 233 |
|--------|--------|--|-------------|---------------|
| | | East boundary of T. 17 N., R. 21 W., continued. | | <u>ूर्व</u> 9 |
| | Chains | | | |
| • • | 80.00 | <pre>set a lava stone 18x10x8 ins. 14 ins.in ground for cor.Secs.13,18,19,24, stone marked 3 frooves on 1 and S.edges, raised a mound of stones 2 ft.base, ft.high W.of cor. No trees, pits impracticable. Soil rocky, lava formation, fourth rate. Land rolling mountaineous.</pre> | w I | |
| | | Mountaineous land 80.00 chs., May 5, 1905. | | |
| | | | | |
| | | May 6, 1905. At 6h.30m.a.m.l.m.t. I set off 34°47'N.on the lat arc and 16°29'N.on the decl.arc and determined a true meridian with the solar at the 19,24, Thence I run, | 18, | |
| | | North between Secs.13 and 18, over rolling mounta eous country. | in- | |
| | 30.00 | Descend, Cross canon 30 lks.wide, course W. Ascend. | | |
| | 34.00 | | | |
| | 40.00 | Set a lava stone 24x12x8 ins /18 ins.in ground for sec.cor. marked 1/4 on W.face, raised a mound of stones 2 ft.base, 1.5 ft.high W.of cor. No trees, pits impracticable. | 1/4 | |
| | 42.50 | Cross canon 2 chs.wide, course W. Ascend, | | • |
| | 60.00 | Cross summit of ridge, course NE. and SW. | | |
| | 80.00 | Set a lava stone 18x12x10 ins. 14 ins. in ground for cor.secs.7,12,13,18, stone marked 4 grooves on S. and 2 grooves on N. edges, raised a 2 ft.base, 1.5 ft.high W. of cor. No trees, pits impracticable. | | |
| | | Soil rocky, lava formation, fourth rate, Land rolling mountaineous, Mountaineous land 80.00 chs. | | |
| | \sim | | | |
| | | Thence I run, North between Secs. 7 and 12, over rolling mountate eous country, Descend, | in- | |
| | 3.75 | Cross canon, 40 lks.wide, course SW. Ascend, | | |
| | 14.50 | Cross summit of ridge, course NE. and SW. Descend, | | |
| | 23.50 | Cross canon, 100 lks.wide, course SW. Ascend, | | |
| | 34.00 | Cross top of ridge, course NE. and SW. Descend, | | |
| | 40.00 | Set a lava stone 18x12x6 ins. 14 ins.in ground for 1 Sec.cor. marked 1/4 on W.face, raised a mound of s 2 ft.base, 1.5 ft.high W. of cor. No trees, pits impracticable. | ./4 tone | |
| | 45.00 | Cross dry wash, 3 chs.wide, course SW. Ascend. | | |
| 1 | 80.00 | <pre>Summit of ridge, course NE. and SW. Set a lava stone 18x12x8 ins? 14 ins.in ground for cor.Secs. 1,6,7,12, stone marked 5 grooves on S. a l groove in N. edges, raised a mound of stones 2 f base, 1.5 ft.high W.of cor. No trees, pits impracticable.</pre> | na | |
| | | Soil rocky, fourth rate, | | |
| | | Land rolling mountaineous, Mountaineous land 80.00 chs. v | | |
| | | | | |

BOOK 2128

East boundary of T. 17 N., R. 21 W., continued.

234 .**19**

| | and approximation of a sector and the | |
|----------------|---------------------------------------|---|
| Cl | nains | |
| | \times | Thence I run, North between Secs. 1 and 6, over rolling mountain- |
| | ŕ | eous country. Descend, |
| | 35.86 | Enter dry wash. course SW. |
| 1 | 40.00 | |
| | | stones 2 ft.base, 1.5 ft.high W.of cor. No trees, pits impracticable. |
| | 50.00 | Leave wash, |
| | 51.00 | Ascend, Summit of ridge, course SW. and NE. |
| | 52.34 | Descend, Cross gulch, 30 lks.wide, course SW. |
| | 57.00 | Ascend, Cross summit of ridge, course NE. and SW. |
| | 66.00 | Descend, Gross canon, 2 chs.wide, course SW. |
| | | Ascend. |
| | 80.00 | Set a lava stone 20x10x8 ins. 16 ins.in ground for cor. Tps.17 and 18 N., Rs.20 and 21 W., stone marked 18 N. on NE., 20 W. on SE., 17 N.on SW., and 21 W.on NW. faces, with 6 grooves on N.,E.,S. and W.faces, raised |
| | · | a mound of stones 4 ft.base, 3.5 ft.high S.of cor. No trees, pits impracticable. |
| | | Soil rocky, fourth rate, |
| | | Land rolling mountaineous, |
| | | Mountaineous land 80.00 chs. |
| | | May 6, 1905. |
| | . ! | North Boundary of T. 17 N., R. 21 W. |
| | | |
| | | May 7, 1905. |
| | | At 6h.30m.a.m.1.m.t. I set off 34°50'N.on the lat. arc and 16°45'N.on the decl.arc and determine a true |
| | | meridian with the solar at the cor. Tps. 17 and 18 N., Rs. 20 and 21 W. |
| | | Thence I run, West between Secs. 1 and 36, over relling mountain- |
| | | eous country, |
| | 5.00 | Ascend, Top of ridge, course NE. and SW. |
| | | Descend, |
| | 9.65 | Ascend. |
| | 20.00 | Descend. |
| | 28.00 | Cross gulch 30 lks.wide, course SW. Ascend. |
| | 34.00 | |
| | 39.34 | Cross gulch, 50 lks.wide, course SW. Ascend, |
| | 40.00 | Set a lava stone 18x12x8 ins. 14 ins.in ground, for 1/4 Sec.cor.marked 1/4 on N.face, raised a mound of stones 2 ft.base, 1.5 ft.high N.of cor. |
| | 44.00 | No trees, pits impracticable, |
| | 48.00 | Descend, |
| | 65.00 | Ascend, |
| | | Descend, 12 |
| | 90.00 | Secs. 1,2,35,36, stone marked 1 groove on E. and 5 grooves on W. edges, raised a mound of stones 2 ft. |
| | | REGOVER OIL M. AUGAR, LATRAC & MORING OF RECOVER VILLA. |
| uniona di mani | glangergen og i er bei steren. | |

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BOOK 2128 235 North Boundary T. 17 N., R. 21 W., continued. Chains base, 1.5 ft.high W. of cor. No trees, pits impracticable, Soil rocky, lava formation, fourth rate, Land rolling mountaineous, Mountaineous land 80.00 chs. Thence I run, West between Secs. 2 and 35, over rolling mountaineous country, Descend, Set a lava stone 24x12x12 ins. 80 ins. in ground for 1/4 40.00 Sec.cor. marked 1/4 on N.face, raised a mound of stone 2 ft.base, 1.5 ft.high N.of cor. No trees, pits impracticable. Cross canon 50 lks.wide, course SW. 48.00 Ascend, 75.00 Cross summit of ridge, course NE. and SW. Descend, (Set a lava stone 18x10x6 ins. 14 ins. in ground for cor. 80.00 Secs. 2,3,54,35, marked 2 grooves on E. and 4 grooves on W. edges, raised mound of stones 2 ft.base, 1.5 ft.high W.of cor. No trees, pits impracticable. Soil rocky; lava formation, fourth rate, Land rolling mountaineous; the general slope of which is to the S. and Ψ . Mountaineous land 80.00 chs. At 12h.m.l.m.t. I set off 16°48'N.on the decl.arc and observe the sun on the meridian, the resulting lat. is 34°50'N/ Thence I run, West between Secs. 3 and 34, over rolling mountaineous country. Descend, Cross canon 75 lks.wide, course SW. 10.65 Ascend, 30.00 Cross summit of ridge, course NE. and SW. Descend. Set a lava stone 24x8x8 ins. 20 ins.in ground for 1/4 40.00 sec.cor. marked 1/4 on N.face, raised a mound of stones 2 ft.base, 1.5 ft.high N.of cor. No trees, pits impracticable. Descend abruptly into canon, course SW. Leave canon, ascend abruptly, 42.00 50.00 57.00 Cross ridge, course NE. and SW., Descend, Cross dry creek 40 lks.wide, course SW. 65.00 Ascend, 15 80.00 Set a lava stone 20x12x8 ins. 16 ins. in ground for cor. Secs. 3,4,33,34, stone marked 3 grooves on E. and W. edges, raised a mound of stones 2 ft.base 1.5 ft.W. of cor. No trees, pits imptacticable. Soil rocky, lava formation fourth rate, Land rolling mountaineous, Mountaineous land 80.00 chs. V. May 7, 1905. May 8, 1905. At 6h.30m.a.m.l.m.t.I set off 34°50' N.on the lat.arc and 1772'N.on the decl.arc and determine a true meridian with the solar at the cor.Secs.3,4,33,34, Thence I run, West between Secs.4 and 33, over rolling mountaineous country.

BOOK 2128 North boundary of T. 17 N., R. 21 W., continued, Chains Ascend. Cross top of ridge, course NE. and SW. 1.00 Descend, Cross gulch, 50 lks.wide, course SW. 8.49 Ascend, Cross summit of ridge, course NE. and SW. 18.00 Descend, Cross gulch, 50 lks.wide, course SW. 25.51 Ascend, Cross summit of ridge, course NE. and SW. 32.00 Descend, Cross canon, 2 chs.wide, course SW. 38.00 Ascend, Set a lava stone 20x8x6 ins. 96 ins.in ground for 1/4 40.00 Sec.cor. marked 1/4 on N.face, raised a mound of stones 2 ft.base, 1.5 ft.high N.of cor. No trees, pits impracticable. Cross summit of ridge, course NE. and SW. 46.00 Descend, Cross canon 30 lks.wide, course SW. 53.00 Ascend, Cross summit of ridge, course N. and S. 60.00 Descend. Cross canon 50 lks.wide, course S. 68.24 Ascend, Cross ridge, course N.and S. 72.00 Descend, Cross canon 40 lks.wide, course SW. 76.33 Ascend, Set a lava stone 18x12x12 ins. It ins.in ground for 80.00 cor.Secs.4,5,32,33, marked 4 grooves on E. and 2 grooves on W. edges, raised a mound of stones 2 ft. base, 1.5 ft.high W. of cor. No trees, pits impracticable, Soil rocky, lava formation, fourth rate, Land rolling mountaineous, badly cut up by gulches and canons. Mountaineous land 80.00 chs. Thence I run, West between Secs. 5 and 32, Ascend, Top of ridge, course N. and S. 10.00 Descend, Cross gulch 50 lks.wide, course NW. 17.00 Ascend, Top of mesa, comparatively level, sloping to W. 20.00 Set a lava stone 18x8x6 ins (? 14 ins.in ground for 1/4 40.00 Sec.cor. marked 1/4 on N.fave, dig pits 18x18x12 ins 3 ft. E. and W.of cor., raised mound of earth 3.5 ft.base 1.5 ft.high N.of cor. No trees available. Set a lava stonel8x10x8 ins. 14 ins.in ground for cor. 80.00 Secs.5,6,31,32, marked 5 grooves on E. and 1 groove on W.edges, raised mound of stones 2 ft.base, 1.5 ft high W. of cor. No trees available, pits impracticable. Soil gravelly and sandy loam, first and third rates. Land mostly level, sloping to W_{\cdot_V} Thence I run, West between Secs.6 and 31, • . Descend abruptly and enter Mohave Valley, 11.00

Enter dense undergrowth and scattering Mesquite Timber, 13.00 Cross road, course N.and S. 21.30 Cross Mohave and Milltown R.R., 3 ft.ga., course NE. 39.33

and SW.

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23) BOOK 2128 **13** North Boundary of T. 17 N., R. 21 V., continued. Chains Set a Mesquite post 4 ins.sq. 4 ft.long, 3 ft.in ground for 1/4 Sec.cor.marked 1/4 S.on N.face, dug pits 18x 18x12 ins. 3 ft. E. and W. of cor. and raised mound of earth 3.5 base, 1.5 ft.high N.of cor. 40.00 No trees available, 48.70 Cross center of Brockman and Plummer's house, To E.bank Spear's Lake, water from 2 ft. to 8 ft.deep, set a Mesquite post 4 ins.sq. 4 ft.long, 3 ft.in ground for meander cor. on Tp.line between frac.secs. 62.95 6 and 31, marked M.C.on W.face, R.21 W.on E.face, T.17 N.S.6 on S.face and T.18 N.S.31 on N.face, Whence a Mesquite 15 ins.diam.bears N.48°30'E. 46 lks. dist, marked T.18 N.R.21 W.S.31 M.C.B.T. A Mesquite 6 ind.diam.bears S.69°E. 70 lks.dist. marked T.17 N.R.21 W.S.6 M.C.B.T. May 8, 1905. Owing to unprecedented rainfall in Northern Arizona especially along the head waters of the Little Colorado River, the Colorado River was at this time out of its banks and the greater part of the valley was under water, and with the annual rise of the river from melting snow near its source due at this time, I could not not further continue the survey and was forced to suspend work and retire from the field. U. S. Deputy Surveyor. October 6, 1905. At 7h.a.m.l.m.t. I set off 34°50'N.on the lat.arc and 4°57,'S.on the decl.arc and determine a true meridian with the solar at meander cor. on Tp.line between frac.Secs. 6 and 31, Tps. 17 and 18 N., R. 21 W. on E. bank of Spear's Lake. Thence I run West To determine the distance across Spear's Lake, I set a flag on line on W.bank of lake, then measured a base line N.24°30'W. 6 chs. to a point, whence flag bears $5.76^{\circ}8'W.$ $5.67^{\circ}-18'W.$ From the flag the N.end of base bears N.7608'E., therefore the angles taken in order of measurement are respectively 24°30', 141°39' and 13°55', their sum be-ing 180°D' or 2' too great, I diminish the second and third angles by one-half the excess and compute the distance across the lake as follows:-sine $\frac{130522}{5000}$ X base or $\frac{0.62069}{0.83966}$ X 6 chs. = 15.54 chs. sine 13052 X base or 62.95 + 15.54 = 78.49 chs. W bank Spear's Lake, Set a Mesquite post 4 ins.sq.4 ft.long 3 ft.in ground for meander cor.of frac.Secs. 6 and 31, Tps. 17 and 18 N., R.21 W., marked M.C.on E.face, T.18 N.S.31 on 78.49 N.face, R.21Won E.face, T.17 N.S.6 on S.face, Whence a Mesquite 10 ins.diam.bears S.81°W. 33 1ks. dist.marked T.17 N.R.21 W.S.6 M.C.B.T. A Willow 6 ins.diam.bears N.37°30'E. 67 lks.dist. marked T.18 N.R.21 W.S.31 M.C.B.T. Set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for cor.Tps. 17 and 18 N.,Rs.21 and 22 W., marked T.18 N.S.31 on NE., R.21 W.S.6 on SE., T.17 N.S.1 on 79.49 SW. and R.22 W.S.36 on NW.faces, with 6 grooves on N.E.S. and W. edges, Whence a Mesquite 5 ins.diam.bears N.69°30'W. 27 1ks. dist.marked T.18 N.R.22 W.S.36 B.T.

| 238 | | 4.08 |
|---------------------------------------|---------------------------------------|---|
| 2.38 14 | BOOK | North Boundary of T. 17 N., R. 21 W., continued. |
| | Chains √ | A Willow 4 ins.diam.bears N.59°E. 144 lks.dist.marked T.18 N.R.21 W.S.31 B.T. A Willow 15 ins.diam.bears S.76°15'E. 62 lks.dist[*] marked T.17 N.R.21 W.S.6 B.T. A Mesquite 4 ins.diam.bears S.40°15'W. 32 lks.dist. marked T.17 N.R.22 W.S.1 B.T. Soil sandy loam 66.49 chs. first rate; 13 chs.gravelly, third rate, Land 66.49 level, covered with heavy Mesquite, Willow and Cottonwood timber and dense undergrowth of Arrow- wood and water; 13 chs. mountaineous. Mountaineous land and land covered with heavy timber, dense undergrowth and water, 79.49 chs. |
| | | West Boundary of T. 17 N., R. 21 W. |
| | | The land lying South of above cor.being marshy and miry from the late overflow of the Colorado River, and it being impracticable "run South from above cor. I run West 6 chs.to a point, Thence I run, |
| | 40.00 J | South on an offset, through Mesquite timber and dense undergrowth, To a point, Thence I run East, 6.00 chs. where I set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground |
| | 40.70 | <pre>for 1/4 Sec.cor. marked 1/4 S on W.face, and bon & face Whence a Willow 12 ins.diam.bears S.47°15'W. 188 lks. dist.Marked 1/4S.1 B.T. A Willow 12 ins.diam.bears S.71°E. 105 lks.dist.marked 1/4 S.6 B.T. Thence I run South between Secs. 1 and 6, N.bank Spear's Lake, Set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for mean.cor.frac.Secs. 1 and 6, Tp. 17 N.,Rs.21 and 22 W., marked M.C. on S., T.17mon N.,R.21 W.S.6 on E.,</pre> |
| · · · · · · · · · · · · · · · · · · · | 45.00 50.99 56.00 80.00 1 | R.22 W.S.1 on W.faces, Whence a Willow 5 ins.diam.bears S.57°15'W. 79 lks. dist.marked T.17 N.R.22 W.S.1 M.C.B.T. A Willow 6 ins.diam.bears S.85°45'E. 322 lks.dist. marked T.17 N.R.22 W.S.6 M.C.B.T. I then return to point at 40.00 chs, Thence I run South on offset, Enter cultivated ground, Houde of Harry Wheeler bears East 1.00 ch. dist. Leave cultivated ground, |
| | | falls in lake, water about 4 ft.deep, unsuitable to establish permanent corner. Set Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for meander cor. marked M.C.on E.face, T.17 N.S.1 on N.face, S.12 on S.face and R.22 W.on W.face, Whence a Willow 6 ins.diam.bears S.19945'E.10 lks.dist. marked T.17 N.R.22 W.S.12 M.C.B.T. A Mesquite 4 ins.diam.bears N17°30'W.67 lks.dist.marked T.17 N.R.22 W.S.1 M.C.B.T. Soil sandy loam, first rate, Land level, subject to overflow, covered with Mesquite, Willow and Cottonwood timber, dense undergrowth and water. Land covered with heavy timber and dense undergrowth 40.70 chs., 39.30 chs. covered with water, 90.00 ohs. |
| | | |

| · . | . • • | | BOOK 2128 | 239 |
|------------------|-------------------------|--|---|--------------|
| ج مربع المربع | | West boundary of T. 17 N., R. 21 W. | continued. | 15 |
| | Chains | | | |
| - | | Owing to the course of Spear's Lake f | | |
| • | | I offset to E. side of lake, where line. To determine the distance | | |
| | | flag at above meander cor. and cros | | |
| | | and from flag on E.bank I set offth | ase 10.00 chs.S. | |
| • | | whence flag on mean.cor.at W.bank b | | |
| , | 8 | which gives angles respectively, 90 28', I compute distance as follows: | - 59°52° and 50° | |
| ••• | | tang.59°32' x base, or 1.69992 x | 10.00 chs. = 17.00 | |
| <u> </u> | | chs. which makes 17.00 ehs 2.45 | chs. = 14.55 chs. | EAST |
| | | East of cor. Secs.1,6,7,12] Thence I run, | N - N | 17.00 HO |
| | | South on offset, along E.bank Spear | 's Lake, through | LO ON |
| | 51.00 | scattering Willow timber, | | |
| | | A point, Thence I run, | | |
| | J | West 14.55 chs. to Range line betwe | en Secs. 7 and 12 | |
| | | on S.bank Spear's Lake, | ng Z Pt in ground | |
| 4 | • | Set a Mesquite post 4 ins.sq. 4 ft.ld for meander cor.of frac.Secs. 7 and | 12. marked M.C. | |
| | | on N.face, R.21 W.S.7 on E.face, T. | 17 N.on S.face | |
| | | R.22 W.S.12 on W.face, Whence a Willow 8 ins.diam.bears N.56 | OROTH AD The dist | |
| | | marked T.17 N.R.22 W.S.12 M.C.B.T. | -00 W.40 IKS.UISC. | |
| | | A Mesquite 10 ins.diam.bears N.89°30' | E. 115 lks.dist. | |
| | | marked T.17N.R.21W.S.7 M.C.B.T. Thence I run from meander cor. South | botwoon Goog 7 | |
| | | and 12, enter heavy timber and dens | | |
| | | Whence School House bears E. 6.00 chs | | |
| - | 64.36 65.00 | Cross road, course NE. and SW. Cross Mohave & Milltown R.R., course | NF and SW | |
| - | | Set a Mesquite post 4 ins.sq. 4 ft.lo | ng 3 ft.in ground | |
| - | J | for cor.Secs. 7,12,13,18, marked T. | 17 N.S.7 on NE., | |
| ••• | • • | R.21 W.S.18 on SE., S.13 on SW. and NW.faces, 2 grooves on N. and 4 gro | | |
| | | Whence a Willow 18 ins.diam.bears S.7 | 1°45'W. 113 1ks. | |
| | · . | dist.marked T.17 N.R.22 W.S.13 B.T. | | |
| | | A Mesquite 6 ins.diam.bears N.13°30'W marked T.17 N.R.22 W.S.12 B.T. | . 32 IKS.dist. | |
| | | A Mesquite 5 ins.diam.bears N.37°30'E | .95 lks.dist. | |
| ан. С | | marked T.17 N.R.21 W.S.7 B.T. A Mesquite 8 ins.diam.bears S.84°30'E | 50 lla diat | |
| | | marked T.17 N.R.21 W.S.18 B.T. | •00 TK8.0T81. | |
| | | Soil sandy loam, first rate, | | |
| | | Land level, subject to overflow, 51.0 water. | 0 chs.covered with | |
| | | Land covered with heavy timber and de | nse undergrowth | |
| - | | 29.00 chs. covered with water 51.00 | chs, 80.00 chs. | |
| - | | A Constraint of the second secon | October 6, 1905. | |
| • | | Min Ann ann ann ann ann ann ann ann ann an | | |
| | | October 7, 1905. | | м. |
| | | At 7h.a.m.l.m.t. I set off 34°48'N. | on the lat.arc | |
| | | and 5°207S.on the decl.arc and deter dian with the solar at cor.Secs. 7, | | |
| | а ^с н | Thence I run, | و ۲۵ و ۲۵ و ۲۵ و ۲۵ | |
| - | | South between Secs. 13 and 18, throu | ugh heavy timber | |
| - | 19.30 | and dense undergrowth, Cross road, course NE. and SW. | | |
| ÷ | 40.00 | Set a Mesquite post 4 ins.sq. 4 ft.lo | ng, 3 ft.in ground | |
| • | | for 1/4 Sec.cor. marked 1/4 S.13 on W | face, and 18 m & face | |
| : | | Whence a Mesquite 5 ind.diam.bears S. dist.marked 1/4 S.18 B.T. | 37°30'E. 77 IKS. | |
| | | A Mesquite 4 ins.diam.bears S.77°30'W | .44 lks.dist. | |
| | 54.45 | co marked 1/4 S.13 B.T. | | 1 . . |
| | VI. TU | Cross road, course E. and W. Whence Rosenberger's ranch house bear | s S.85°W.30 chs. | |
| | E4 00 | dist. | | |
| | 5 4. 60 72.62 | Cross brush fence, enter Indian pastu Cross brush fence, leave Indian pastu | | |
| | 80.00 | Set a Mesquite post 4 ins.sq. 4 ft.lo | | |
| | S. S. S. S. | and the second | · - · · · · · · · · · · · · · · · · · · | |

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|----------|---|----------|
| X | | <u>U</u> |

2128 BOOK West boundary of T. 17 N., R. 21 W., continued, Ohains cor cor.Secs. 13,18,19,24, marked T.17 N.S.18 on NE., R.21 W.S.19 on SE., S.24 on SW. and R.22 W.S.13 on 1 NW.faces, with 3 grooves on N. and S. edges, Whence a Cottonwood 12 ins.diam.bears N.2°E. 46 lks. dist.marked T.17 N.R.21 W.S.18 B.T. A Mesquite 4 ins.diam.bears S.63°30'E. 32 lks.dist. marked T.17 N.R.21 W.S.19 B.T. A Willow 6 ins.diam.bears S.49°30'W. 65 lks.dist.marked T.17 N.R.22 W.S.24 B.T. A Mesquite 6 ins.diam.bears N.39°W. 31 1ks.dist.marked T.17 N.R.22 W.S.13 B.T. Soil sandy loam, first rate, Land level, subject to overflow, covered with heavy Mesquite, Willow and Cottonwood timber and dense undergrowth of Arrow-wood, 80.00 chs. Thence I run, South between Secs. 19 and 24, through heavy timber and dense undergrowth, Cross Indian fence, course E. and W., enter cultivated 33.10 land, Whence Indian House bears E. 5.00 chs.dist. 34.00 Leave cultivated land, 36.00 Set a Willow post 4 ins.sq. 4 ft.long 3 ft.in ground for 1/4 Sec.cor.marked 1/4 S.on W.face, and 19 on E fac Whence a Willow 4 ins.diam.bears N.45°W.6 lks.dist. 40.00 marked 1/4 S.24 B.T. A Willow 4 ins diam.bears N.60° E. 14 lks.dist.marked 1/4 S. 19 B.T. 43.48 Intersect left bank Colorado River, bank about 4 ft. high, set a Willow post 4 ins.sq. 4 ft.long 3 ft.in ground, for meander cor.Secs. 19 and 24, marked M.C. on S., T.17 N.on N., R.21 W.S.19 on E., R.22 W.S. on S., T.17 N. 24 on W.faces, Whence a Willow 4 ins.diam.bears B.4°45'E. 63 lks.dist. marked T.17 N.R.21 W.S.19 M.C.B.T. A Willow 4 ins.diam.bears N.42°W. 90 lks.dist.marked T.17 N.R.22 W.S.24 M.C.B.T. Soil sandy loam, first rate, Land level, subject to overflow, covered with heavy Mesquite, Cottonwood and Willow timber and dense undergrowth, 43.48 chs. October 7, 1905. Boundaries of T. 17 N., R. 21 W. Latitudes, departures and closing errors. Latitudes. Departures. True brs. Line Designated. Dist N. ₩. S. Ε. Chs. Chs. Chs. Chs. Chs. Y 480.00 South 480.00 E.Bdy. 438.0 438. 9 196. 593 438. 9 196.59 4th.St.Par.N. West 438.13 Meanders River, 42.1 v 283.48283.48 v W. Bdy. North N. Bdy. 479.49 ~ 479.49 East .51 Convergency **,97**480.00480.004**89** Totals, 60 <u> 479</u>.71 0 Errors in lat. Dept 023 ,01

GENERAL DESCRIPTION.

This Township is rough and mountaineous in the Northern and Eastern portions, the Western portion being river bottom land.

There is no water in the mountaineous portion; and

an abundance in lakes and sloughs in the valley portion. There is no timber in the mountaineous portion, the valley being covered with heavy timber of Mesquite, Willow and Cottonwood and dense undergrowth of Arrowwood.

Soil in valley is sandy loam formed by deposits from overflow of the Colorado river.

October 7, 1905.

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2 υ. Deputy Surveyor.

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| | Chains | | |
|---|----------------------------------|---|---|
| - | Chains | Survey commenced October 5, 1905 and executed with a W.& L.E.Gurley Light Mountain Transit, not numbered, with a Smith Solar Attachment. The horizontal limb is provided with two double verniers placed opposite to each other rwading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs. The instrument was examined, tested on the true meridiar at Phoenix, found correct and was approved by the Surveyor General September 25, 1905. I examined the adjustments of the transit and corrected the level and collimation errors; then, to test the solar apparatus by comparing its indications resulting from solar observations made during a.m. and p.m. hours with a true meridian determined by observation on Polaris, I proceed as follows:- At the corner of Sections 1, 2, 35 and 36, Townships 15 and 16 North, range 21 West, in lat. 34°39'18"/N., in long.//21440000000000000000000000000000000000 | 1 |
| | | October 4, 1905. At 7h.30m.a.m.l.m.t. I set off 34°39'N.on the lat.arb and 4°12'S.on the decl.arc and determine a true meridian with the solar and mark a point thereof by a cross on the stene set April 17, 1905, 5 chains North of cor. Sections 1,2, 35 and 36, this point falls 0.30 inches East of the true meridian determined by Polaris observation on April 18, 1905. The solar apparatus by p.m. and A.m.observations defines position for true meridian established by Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory. The magnetic bearing of the said true meridian is N. 15° W. which gives the mag.decl. 15°East. | |
| | 10.75 13.00 15.00 17.00 | October 4, 1905. At 8h.a.m.l.m.t. I set off 34°39' N. on the lat.arc, 4°13'S.on the decl.arc and deter- mine a true meridian with the solar at cor.Tps. 15 and 16 North, Rs. 20 and 21 West, Thence I run, South on E. boundary Tp.15 N., R.21 W. between Secs. 1 and 6, over rough mountaineous country, Descend, Enter canon, Cross dry bed of canon 50 lks.wide, course W. Ascend, Leave canon, Cross summit of ridge, course E. and W. | |
| | 22.50 | Descend, Cross canon, 100 lks.wide, course W. | |
| | 40.00 ~ 48.00 | Ascend, Set a granite stone 20x10x8 ins. 16 ins.in ground for 1/4 Sec.cor.marked 1/4 on W.face, raised mound of stones 2 ft.base 1.5 ft.high W.of cor. No trees, pits impracticable, Cross ridge, course E. and W. Descend, | • |
| | 54.50 56.00 | Enter canon, Cross dry bed of canon, 50 lks.wide, course W. Ascend, | |
| | | | |

18

| 243 | BOOK ? | 128 |
|-----------------------|----------------|---|
| 24 ³ 19 | BOOK | East Boundary of T. 15 N., R. 21 W., continued. |
| | Chains | |
| | 57.00 64.00 | Leave canon, Cross ridge, course E. and W. Descend, |
| | 69.00 | Cross gulch, 100 1ks.wide, course W. |
| • | 74.00 | Ascend, Cross ridge, course E. and W. |
| | 79.50 | Descend, Cross gulch 10 lks.wide, course W., |
| | 80.00 | Ascend, Set a granite stone 20x12x6 ins. in monument of stones, for cor.Secs. 1,6,7,12, marked 1 groove on N. and 5 |
| | J | grooves on S. edges, raised mound of stones 21t. base, 1.5 ft.high W.of cor. No trees. pits impracticable, |
| | | Soil rocky, granite formation, fourth rate, Land mountaineous, rough and broken, Mountaineous land 80.00 chs.y |
| | | |
| | | |
| | | Thence I run, South between Secs. 7 and 12, |
| | 14.00 | Ascend, Oross ridge, course E. and W. |
| | 24.50 | Descend, Cross dry wash, 100 lks.wide, course W. Ascend, |
| • | 30.00 | Cross ridge, course E. and W., Descend, |
| | 35.00 | Gross dry wash 75 lks.wide, course W. |
| | 40.00 | Set a granite stone 18x10x7 ins. in monument of stones for 1/4 Sec.cor.marked 1/4 on W.face, raised mound of stones 2 ft.base 1.5 ft.high W.of cor. No trees, pits impracticable, |
| | 43.00 | Cross ridge, course E. and W. Descend, |
| | 49.75 | Cross gulch 15 1ks.wide, course W. Ascend, |
| | 80.00 | Set a porphyry stone 18x10x8 ins. in mound of stones for cor.Secs. 7,12,13,18, marked 2 grooves on N. and 4 grooves on S. edged, raised mound of stones 2 ft. base 1.5 ft.high W.of cor. No trees, pits impracticable, Soil rocky, granite formation, fourth rate, |
| | | Land rough mountaineous, Mountaineous land 80.00 chs. |
| | | |
| | | Thence I run, South between Secs. 13 and 18, over broken mountain- eous country, ascending N. slope of Needle Mountains. |
| | 2.00 | |
| | 17.50 | |
| | 21.50 | |
| У | 25.50 26.75 | Enter canon, |
| | 28.00 | Leave canon, |
| | 34.00 | |
| | 40.00 | |
| | | |

BOOK 2128 <u>et 20</u> East Boundary T. 15 N., R. 21 W., continued. Chains 2 ft.base 1.5 ft.high W.of cor. No trees, pits impracticable, At this point I discontinued the survey of East Boundary owing to the fact that the country South of this point in a succession on sharp pointed peaks forming the Needle Mountains and being unsurveyable. October 4, 1905. Boundaries of T. 15 N., R. 21 W. Latitudes, departures and closing errors. Dist. Departures Line designated. True brs.
 N.
 S.
 E.
 W.

 Chs.
 Chs.
 Chs.
 Chs.
 Chs.

 80.00
 \$\nu\$
 \$\vee\$80.00
 \$\vee\$
 \$\vee\$
 East bdy. South N.89°50'W. 79.97 .23 S.Bdy.Sec.1 79.97 S.Bdy.Sec.2 West 9.15 J9.15 Meander lines 79.74 69.5**5** N.Bdy.T.15 N.R.21 W East 158.63 -158.63 79.9780.00158.63158.67 79.97 158.63 Error in lat. .03 2 dep . 04 GENERAL DESCRIPTION. This Township is rough and mountaineous; there is no timber except a few scattering Mesquite trees along the river bank. There is no water except in Colorado River. There is very little vegetation, principally Arrow-wood and Grease-wood brush. Thu hu U.S. Deputy Surveyor.

29Y

| | . • | | 0115 |
|---|------------|---|---------|
| | . • | BOOK 2128 | 240 |
| | • | NORTH BOUNDARY OF TOWNSHIP 17 NORTH DANGE OG TOG | 21 |
| | Chai | | |
| | | Survey commenced Oct. 31st, 1905, and executed with a W and L E Gurley Light Merstein Theorem | |
| | | with a W. and L. E. Gurley Light Mountain Transit, not numbered, with a Smith Solar attachment. The horizon- | |
| | | at timp is provided with two double verniers placed | |
| | | Propristic to each other, reading to single minutes of | |
| - | | arc, which is also the least count of the verniers of the lat and decl arcs. | |
| | | The instrument was examined tested on the true | |
| - | | morraral av filogilla, lound corract, and was approved | |
| | | J J J J J J J J J J J J J J J J J J J | , |
| | | I examined the adjustments of the Transit and correct the level and collimation errors; then to | |
| | • | USSU UNE DOLAR ADDARATUS by comparing its indications | |
| | | I resulting from Solar observation, made during a m and l | |
| | | p.m. hours with a true meridian determined by observat- ions on Polaris, I proceed as follows: | |
| | | UCTODER 318t. At a point 6 che W of the com of man | |
| | | I AT QUIL TO MUTCHE, THE AL SHALL XX WART, MARASHANATA ASTA | ~ |
| | | lished by me, lat 34° 49' 44.4" N, long 114° 32' 33" W at 4h p.m.l.m.t., I set off 34° 34' N on the lat arc | |
| | | 1 1470' D ON THE decl arc and determined with the Solor | • |
| | | the true meridian and marked the point thereof on a stone set firmly in the ground, 5 chs N of my point. | |
| | | I select this point in order to get from under the | |
| • | | dense timber surrounding Tp cor. | |
| | | October 31st, 1905. | |
| | | November, 1st 1905. | |
| | | At 4h. 44m. a.m.l.m.t., I observe Polaris at | |
| | | western erongation in accordance with Manual instruct | ` |
| | | I Jons and mark a point on the line thus determined on | |
| | | a plug driven in the ground, 5 chs N of my point. At 7h. 45m. a.m. 1.m.t., I lay off the azimuth | |
| | | I of Foldfis 1° 28'/ to the H and mark a groove in the | |
| | | stone set Oct. 31st, on which the true meridian falls 0.25 ins W of the mark determined by the Solar. | |
| | | AU OR. a.m. I.m.t., I set off 349 501 M on the | |
| | | 1 14 aro, 14 19 V S ON the decl arc and determined a | |
| | | I shug meridian with the Solar and mark a point thereof | |
| | | by a cross on the stone already set 5 chs N of my point. This mark falls 0.2 ins W of the true meridian estab- | |
| | | lished by Polaris observation. | |
| | | The Solar Apparatus by p.m. and a.m. observations | |
| | | define positions for true meridian respectively about 0' 13" E and 0' 11" W of the true meridian established | |
| | | , by Polaris observation. Therefore, I conclude the | |
| | | aujustments of the instruments are satisfactory. | |
| | | The magnetic bearing of the true meridian is N 15° 5' W, which gives a magnetic decl 15° 5' E. | |
| | | I gegin at the cor of Tps 17 and 18 N. Rs 21 and 1 | |
| | | 22 W. Thence I run | |
| | a er | West between Secs 1 and 36, through a heavy meg- | |
| | | Aulto fimper and dense undergrowth | and the |
| | 40.00 | Set a mesquite post, 4 ins sq. 4 ft long, 3 ft in ground for 1 Sec cor, marked 15 on N face, when se and I on S. face, | |
| | | A mesquite post, 6 ins diam. bears N 11° W, 35 | |
| | | IKS dist., marked \pm S, 36 B.T. | |
| | | A mesquite, 5 ins diam. bears S 32° W, 137 1ks | |
| | 61.60 | | |
| | 68.75 | Cross fence, course N and S. enter cultivated land | |
| | 80.00 v | set a mesquite, 4 ins sq. 4 it long. 5 ft in ground | |
| | | for cor of Secs 1, 2, 35 and 36, post marked, T 18 N, S 36 on N. E. | |
| | | R 22 W Sl on S. E. | |
| | | T. 17 N, S 2, on S.W. S 35 on N W Freedow with least the Rest of F | |
| | | S 35 on N. W. Faces, with 1 notch on E. and 5 notches on W. edges. Dig pits in 4 Secs. 18 x 18 x 12 | |
| | | ins., of it. dist. from cor. Raise a mound of earth | • |
| | | 4 It base, 2 It high, W. of cor. | |
| | | Soil, sandy loam, first rate. Land, mostly, level, covered with heavy timber | |
| | | and dense undergrowth, 80.00 chs. | |

| 2 | 46 | | _ |
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| 22 | BOOK 2 | NORTH BOUNDARY, of TOWNSHIP 17 NORTH, RANGE 22 WEST. | |
| | Chains | | • |
| | 4.00 | Thence I run West between Secs. 2 and 35, over cultivated land whence Wm: Robert's house bears N. 51° W. Cross fence, course N. and S. | |
| | 6.00 10.20 13.55 | Cross fence, course N. and B. Isave. 161° E. | 7 |
| | 16.50 16.65 | Cross fence, course N. and S. Enter dense undergrowth Cross road, course N. and S. Enter dense undergrowth | |
| | 30.00 | of arrow wood. Cross road, course N. E., S. W. To edge of slough, course N. E. | - |
| | 33.3 0 40.0 0 | Point for t Sec. cor. lais in slough, which place to high water is covered with water and unfit place to | |
| | | establish permanent cor. West edge of slough Set a mesquite, 4 ins sq. 4 ft. long, 3 ft. in ground Set a mesquite, 4 ins sq. 4 ft. long, 3 ft. in ground | |
| | 43. 00 | for Witness 1 seco cor., markow 1 by | |
| | | whence and 2 on S. free A willow 6 ins. in diam., bears S. 871° W., 44 lks distant, marked 1 S 2, W. C. B. T. A mesquite, 8 ins. diam. bears N 161° W., 31 lks | |
| | | dist., marked t 8. 50, W.C., D. to Needles, Calif. | |
| | 61.00 80.00 | dist., marked t s. 35, W.C., B. 1. Cross road, leading from Camp Mohave to Needles, Calif. Set a mesquite 4 ins. sq., 4 ft. long, 3 ft. in ground for cor. of Secs. 2, 3, 34 and 35, marked T 18 N, S 35, | |
| | - 1 | on N.E. R 22W., S 2, on S.E. | |
| | | T. 17N. S 3, on S.W. S. 34 on N. W. faces, with B grooves E. and 4 | |
| | | grooves on W edges, whence A mesquite 10 ins. diam. bears S. 7410W, 135 lks. | |
| | | dist. marked T 17 N, R 22 W, 5 0, 211 A mesquite, 10 ins. Ciam. bears N. 341°W, 260 lks | • |
| | | dist. mraked T 18 N, R 22 N, O bears N 212° E, 297 1ks A mesquite, 6 ins in diam bears N 212° E, 297 1ks | |
| • • | | A mesquite, 6 ins in diam, bears S 682° E, 110 lks A mesquite, 6 ins diam, bears S 682° E, 110 lks dist, marked T 17 N, R 22 W, S 2, B. T. | |
| | . K | Soil, sandy loam, first rate. Land, level, 63.35 chs covered with dense under- growth willow and mesquite timber. November 1,1905. | |
| | | | , |
| | | November 2nd, 1905 At 8h.a.m.l.m.t., I set off 34° 50' N on the lat ac arc, 14° 38'/S on the decl arc and determine the true meridian at the cor of secs 2, 3, 34 and 35. | • |
| | • | Thence I run | • |
| | 19.26 | on te and willow timber and dense undergrowth of the To E edge of slough, about 6 ins of water, course NE | |
| | 22.34 22.40 40.00 | Cross road, course N and S | |
| | | Set a mesquite post, 4 ins sq 4 it long, 5 it in ground for 1 sec cors, marked 1 Syon N face, whence and 3 muS.fre A mesquite, 4 ins. diam bears N 11° E, 23 lks dist marked 1 s, 34, B.T. A willow 4 ins diam, bears S 21° E, 27 lks dist, | |
| | | marked ‡ S, 3 B. T. | |
| | 64 .90 69.50 | Cross fence, enter cultivated land, cultivated land, | |
| | 75.25 | | |
| | 80.08 | for cor of secs 33, 34, 3 and 4, post marked | |
| | f | T 18 N, S 34, on NE R 22 W, S 3, on SE | |
| | | T 17 N, S 4 on SW S 33, on NW faces, with 3 notches on E and W edges A mesquite 4 ins in diam bears N 651° W, 42 lks | |
| | | dist, marked T 18 N, R 22 W, D co, D co, E, 39 lks | |
| | | dist, mraked T 18 N, R 22 W, S 34, B.T. | |

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247 BOOK 2128 _ 23 NORTH BOUNDARY of TOWNSHIP 17 NORTH, RANGE 22 WEST. chains A mesquite, 4 ins diam bears S $86\frac{1}{2}^{\circ}$ E, 39,1ks dist marked T. 17 N, R 22 W, S 3, B.T. A mesquite, 4 ins in diam, bears S $48\frac{1}{2}^{\circ}$ W, 18 lks dist, marked T 17 N, R 22 W, S 4, B.T. Soil, sandy loam, first rate. Land, level, subject to overflow, covered with mesquite and willow timber and dense undergrowth of J mesquite and willow timber and dense undergrowth of arrow wood, 76.24 74.25 chs covered with heavy timber and dense undergrowth. Thence I run West between secs 4 and 33, over level land through scattering timber and dense undergrowth of ٢ arrow wood. Set a willow post, 5 ins sq., 4 ft long, 3 ft in ground for $\frac{1}{4}$ Sec cor, marked $\frac{1}{4}$ Syon N face, whence a A mesquite 4 ins in diam bears N 56-3/4° E, 52 lks dist, marked $\frac{1}{4}$ s, 33 B. T. A cottonwood, 4 ins diam bears S 58-3/4° E, 31 lks dist, marked $\frac{1}{4}$ S, 4 B.T. To intersect left bank of Colorado Fiver, bank about 40.00 whence and 4 on S. face 43.00 To intersect left bank of Colorado River, bank about 4 ft high. Set a mesquite post 4 ins sq, 4 ft long 3 ft in ground for Meander cor of fractional secs 4 and 33, marked M.C. on W, T 17 N, S 4 on S, T 18 N s 33 on N, R 22 W M.C. on W, T 17 N, S 4 on S, T 18 N B 33 on N, R 22 W on E faces, whence, A cottonwood 4 ins diam bears N 742°E, 35 lks dist, marked T 18 N, R 22 W, S 33, MC.B.T. A cottonwood, 4 ins diam bears S 54-3/4° E, 48 lks dist, marked T 17 N, R 22 W, S 4, M.C.B.T. Soil, sandy loam, first rate. Land, level, subject to overflow, covered with scattering mesquite, cottonwood and willow timber and dense undergrowth of arrow wood. 43.00 C. November 2nd, 1905. BOUNDARIES T. 17 N., R. 22 W. Latitudes, departures and closing errors. Line designated True Dis-Latitudes Departures Bearings tance Ν. s. Ε. ₩. chs. chs. chs. chs. chs. 283.58 883.44 Mean. Col. River 283.80 N. bdy 283.00 v 283.00 East E.bdy. 283.48 283.48 4 South Convergency .30 283.81 283.30 983.44 83. SF 283.84 283.48 Totals 283,30 283.48 .50 Errors in lat Error Dept .14 .10 General Description This Township is all level valley land. The soil is a sandy loam, first rate, containing some alkali and most of the Twonship is subject to overflow from the Colorado River. It is well watered by sloughs and lakes, and covered with mesquite, willow and cottonwood timber and dense undergrowth of arrow wood. Deputy Surveyor.

East Boundary T. 18 N., R. 21 W.

BOOK 2128



24

| 24 | 19 | -19 8 | |
|----------|--------|--|-----|
| 25 | BOOK | 2120 | |
| | | East Boundary TP. 18 N., R. 21 W., continued. | |
| | Chains | 1/4 on W., raised a mound of stones 2 ft.base 1.5 ft. | - |
| | | high W. of cor. No trees, pits impracticable. | • |
| | , | Descend, | |
| | 41.00 | Cross dry wash, 25 lks.wide, course SW. Ascend, | |
| • | 41.75 | Cross ridge, course NE. and SW. | |
| | 42.50 | Descend, Cross dry wash, 50 lks.wide, course SW. | • · |
| | 50.00 | Ascend, Cross summit od rifge, course NE. and SW. | ~ |
| | | Descend, | |
| | 57.25 | Ascend, | |
| | 58.50 | Cross summit of ridge, course NE. and SW. Descend. | |
| | 60.50 | Cross dry wash, 100 lks.wide, course SW. | |
| | 80.00 | Ascend, /Set a lava stone 20x12x5 ins. 16 ins.in ground for cor. | |
| | | Secs. 25,30,31,36, marked 1 groove on S. and 5 grooves on N. edges, raised mound of stones 2 ft. | |
| | | base 1.5 ft.high W. of cor. | |
| | | No trees, pits impracticable. Soil rocky, lava formation, fourth rate, | |
| | | Land rolling mountaineous, very little vegetation, | |
| | | Mountaineous land 80.00 chs. | |
| | | | |
| | | Thence I run, | |
| ан. Т | | North between Secs. 25 and 30, over rolling mountain- eous country, | |
| | 7.75 | Descend, Cross dry wash, 30 lks.wide, course W. | - |
| | | Ascend, | • |
| | 9.00 | Cross summit of ridge, course E. and W. Descend, | |
| | 11.00 | | |
| | 18.00 | Cross summit of ridge, course E. and W. | |
| | 23.25 | Descend, Enter canon, | |
| | 28.00 | | |
| | 32.00 | Leave canon, 15 | |
| | 40.00 | Set a lava stone 20x10x6 ins. 16 ins.in ground for 1/4 Sec.cor. marked 1/4 on W.face, raised a mound of stone | |
| | | 2 ft.base 1.5 ft.high W.of cor. No trees, pits impracticable. | |
| | 52.00 | Cross ridge, course E. and W. | - |
| | 63.50 | Descend, Cross dry wash, 50 lks.wide, course NW. | |
| | | Ascend, | |
| | 71.50 | Descend, | |
| | 79.75 | Cross dry wash, 50 lks.wide, course SW. | - |
| | 80.00 | Set a lava stone 18x10x8 ins. 14 ins.in ground for cor. Secs. 19,24,25,30, marked 2 grooves on S. and 4 | |
| | | grooveson N. edges, raised a mound of stones 2 ft. | • |
| | | base, 1.5 ft.high W.of cor. No trees, pits impracticable, | |
| | | Soil rocky, lava formation, fourth rate, | |
| | | Land rolling mountaineous, very little vegetation, 'Mountaineous land 80.00 chs. | |
| | | | |
| | | Werrenberg 16 | |
| | | November 16. / At 12h.m.l.m.t. I set off 18°42'S.on the decl.arc | |
| | | and observed the sun on the meridian, the resulting | |
| N. | | | |

250 BOOK 2128 **26**

| | • | East Boundary T 18 N P OT W | 100 |
|---|-------|---|-----|
| - | | East Boundary T, 18 N., R. 21 W., continued. | 128 |
| | ah | | |
| - | Chain | lat.being 34°51'N., at cor.Secs 19 24 25 30 | |
| | | Thence I run, North between Secs. 19 and 24, over rolling mountain | |
| | | eous country, Ascend, | - |
| | 6.00 | O Cross summit of ridge, course NE, and SW | |
| | 11.00 | D Cross dry wash 30 1ks.wide. course W | |
| | 22.00 | Cross summit of ridge, course E, and W | |
| | 28.00 |) Cross dry wash, 20 1ks.wide. course SW | |
| | 38,00 | ASCOLLA. | |
| | | Descend, Set a lava stone 24x10x10 ins. 20 ins.in ground for | |
| | 40.50 | stones 2 ft.base, 1.5 ft.high W.of cor. No trees, pits impracticable. | |
| | 47.00 | Cross dry bed of canon. 50 lks.wide course SW | |
| | 52.00 | Leave canon, discud | |
| | 55.00 | Cross ridge, course NE. and SW. Descend, | |
| | 62.50 | Ascend, | |
| | 80.00 | J Top of ridge, course NE. and SW. 157 Set a lava stone 20x12x8 ins. The ing in ground for | |
| | | cor.Secs.13,18,19,24, marked 3 grooves on N. and S. edges, raised mound of stones 2 ft.base 1.5 ft. | |
| | • | high W. of cor. No trees pits impracticable, | |
| | | Soll rocky, lava formation fourth nate | |
| | | Land rolling mountaineous, very little vegetation, Mountaineous land 80.00 chs. | |
| | | November 16, 1905. | |
| | | November 17, 1905. | |
| | | At 8h.a.m.l.m.t. I set off 18°53'S. on the decl.arc V34°52'N.on the lat.arc and determine a true meridian at cor.Secs. 13,18,19,24, | |
| | | Thence I run, North between Secs. 13 and 18 over rolling mountain- | |
| | | eous country, Descend, | |
| | 23.25 | Cross dry wash 20 lks.wide, course SW. Ascend, | |
| | 25.75 | Cross summit of ridge, course NE. and SW. Descend, | |
| | 28.25 | Cross dry wash, 50 lks.wide. course SW | |
| . | 34.25 | Cross ridge, course NE. and SW. | |
| | 39.75 | Oross dry wash 20 lks.wide. course SW | |
| | 40.00 | Set a lava stone 18x12x10 ins D ing in ground for 1/4 | |
| | | 2 ft.base 1.5 ft.high W.of.cor | |
| | 43.00 | No trees, pits impracticable. Oross summit of ridge, course NE. and SW. Descend, | |
| . | 46.50 | Cross dry wash, 25 lks.wide, course SW. | |
| ' | 50.00 | Cross ridge, course NE. and SW. Descend, | |
| | 52.50 | Enter canon, | |
| | 55.50 | Cross dry bed of canon, 50 lks.wide, course SW. Ascend, | |
| | 1 | Leave canon, | |
| | | • | |

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| 205 | 1 | | - |
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| 27 | 1 BOOK 21 | 29 East boundary T. 18 N., R. 21 W., continued. | |
| | Chains | | , |
| • | 62.00 | Cross summit of ridge, course NE. and SW. Descend, | |
| | 66.00 | Cross dry wash, 25 lks.wide, course SW. | - |
| | 80.00 | Set a lava stone 16x12x10 ins. N2 ins.in ground for cor. Secs. 7,12,13,18, marked 4 grooves on S. and 2 grooves on N. edged, raised mound of stones 2 ft.base 1.5 ft high W. of cor. | • |
| | | No trees, pits impracticable. Soil rocky, lava formation, fourth rate, Land rolling mountaineous, very little vegetation, Mountaineous land 80.00 chs. | ~~~ |
| | | Thence I run, | |
| | | North between Secs. 7 and 12 over rolling mountain- eous country, Ascend, | |
| | 10.00 | Top of ridge, course NE. and SW. Descend, | |
| | 24.25 27.00 | Cross dry bed of canon, 50 lks.wide, course Sw. Ascend, | |
| | 30.00 35.75 | | |
| | 36.00 | Cross telephone line course NE. and SW. Descend. | |
| | 39.00 | Against 12 | · · · |
| · | 40.00 | Set a lava stone 18x8x6 ins. 14 ins.in ground for 1/4 Sec.cor.marked 1/4 on W., raised mound of stones 2 ft.base 1.5 ft.high W.of cor. No trees, pits impracticable, | • - |
| | 48.00 | Cross ridge, course NE. and SW. Descend. | |
| | 55.00 | Ascend, | |
| | 68.00 | Summit of ridge, course NE. and SW. Whence Boundary Cone bears N.62°15'E. Descend, | |
| • | 71.75 | Cross gulch 25 lks.wide, course W. Ascend, | |
| | 75.00 | Descend. | |
| | 79.25 | Ascend, Set a lava stone 24x10x6 ins.18 ins.in ground for cor. | |
| , | 80.00 | Secs.1,6,7,12, marked 5 grooves on S. and 1 groove on N.edges, raised mound of stones 2 ft.base, 1.5 ft high W. of cor. | • |
| | | No trees pits impracticable, Soil rocky, lava formation, fourth rate, Land rolling mountaineous, very little vegetation, | |
| | | Mountaineous land 80.00 chs. | - - |
| | | Thence I run, | • |
| | | North between Secs. 1 and 6, over rolling mountain- eous country, | - |
| | 5. | Descend, | |
| | 9.75 | Ascend, Cross summit of ridge, course NE. and SW. | |
| | 21.25 | Descend, 5 Cross dry wash, 50 lks.wide, course SW. | |
| | 27.50 | Ascend, | |
| | | | and an and the spin of the |

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BOOK 2128

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28

East Boundary T. 18 N., R. 21 W., continued.

Chains Descend, Cross dry wash 50 lks.wide, course SW. 33.00 Ascend, Set a lava stone 18x10x10 ins. 14 ins.in ground for 1/4 40.00 Sec.cor. marked 1/4 on W.face, raised mound of stones 2 ft.base 1.5 ft.high W.of cor. No trees, pits impracticable. Cross ridge, course E. and W. 55.00 Descend, Cross gulch 100 lks.wide, course W. 64.50 Ascend, 69.25 Cross telephone line, course NE. and SW. 69.75 Cross Mohave & Milltown R.R., course NE. and SW. 3 ft.gange. Descend, 72.00 Cross dry wash, 200 lks.wide, course W. Ascend, 80.00 / Set a lava stone 20x10x8 ins. 16 ins. in ground for cor. Tps: 18 and 19 N., Rs. 20 and 21 W., marked T.19 with 6 grooves on N., R.20 W. with 6 grooves on E., T.18 N. with 6 grooves on S. and R.21 W. with 6 grooves on W., raised mound of stones 4 ft.base, 3.5 ft.high S. of cor., whence Boundary Cone bears N.87°40'E. No trees, pits impracticable, Soil rocky, lava formation, fourth rate, Land rolling mountaineous, very little vegetation, Mountaineous land 80.00 chs. November 17, 1905. West Boundary T. 18 N., R. 21 W. November 18, 1905. At 8h.a.m.l.m.t. I set off 34°50'N.on the lat.arc and 19°7/S.on the decl.arc and determine a true meridian with the solar at cor. Tps. 17 and 18 N., Rs. 21 and 22 West, Thence I run, North on a random line between Tps. 18 N., Rs. 21, and 22W Setting temporary 1/4 Sec. and Sec. cors. at intervals of 480.00 40.00 chs. to cor. Tps. 18 and 19 N., Rs. 21 and 22 W. I made diligent search for the established cor. of Tps. 18 and 19 N., Rs. 21 and 22 W. as described by the Surveyor General but could find no trace thereof; Therefore, I return to cor. Tps. 17 and 18 N., Rs. 21 and 22 W. November 19, 1905. November 20, 1905. At 8h.a.m.l.m.t. I set off 34°50'N.on the lat.arc and 19°35'S.on the decl.arc and determine a true meridian with the solar at cor. Tps. 17 and 18 N., Rs. 21 and 22 W., Thence I run, North between Secs. 31 and 36, over level country, covered with Mesquite, Willow and Cottonwood timber, dense undergrowth of Arrow-wood, and water. To S.W.bank Spear's Lake, where I set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for meander cor. frac.Secs.36 and 31, marked M.C.on N.,T.18 N.on S., 1.60 ľ R.21 W.S.31 on E. and R.22 W.S.36 on W.faces, Whence a Willow 12 ins.diam.bears N.21°15'E.125 1ks. distamarked T.18 N.R.21 W.S.31 M.C.B.T. A Willow 6 ins.diam.bears N.29°15'W. 125 1ks.dist. marked T.18 N.R.22 W.S.36 M.C.B.T. To determine the distance across the lake, I set a flag on line on NE. bank and it being impracticable to

253 BOOK 2128 29 West Boundary T. 18 N., R. 21 W., continued. Chains measure a base from meander cor., I set a flag at meander cor., crossed the lake to the flag on NE. bank then measured a base S.46°E. 10.00 chs.to a point from which the flag on S.side of lake bears S. 30°W., flag at NW.end of base bears N.46°W., the an-19.40 gles taken in the order of their measurement are 46°, 404 TH 104° and 30°, the sum of which is 180°; which gives the distance from M.C.on S.side of lake to M.C.on N. side of lake Sine 76° **3** Sine 30° x base, or ______50000 x 10.00 chs. = 19.40 chs1.60 chs. + 19.40 chs. = 21.00 chs., the required dist. Set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for meander cor.of frac.Secs. 31 and 36, marked M.C. on S.face, T.18 N.on N., R.21 W.S.31 on E., R.22W. 21.00 1 S.36 on W.faces, Whence a Mesquite 6 ins.diam.bears S.37°45'E. 47 lks. dist. marked T.18 N.R.21 W.S.31 M.C.B.T. A Mesquite 8 ins.diam.bears N.5°45'W. 47 lks.dist. marked T.18 N.R.22 W.S.36 M.C.B.T. Bank of Lake at this point is about 2 ft. above water. Set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for 1/4 Sec.cor.marked 1/4 S.on W.face, and 3/ on E face Whence a Mesquite 12 ins.diam.bears S.14°30'E. 34 1ks. dist.marked 1/4 S.31 B.T. 40.00 A Mesquite 4 ins.diam.bears N.65°45'W. 113 lks.dist. marked 1/4 S.36 B.T. F. Leonard's ranch house bears N.78°W. 5 chs.dist. Cross fance, course NE. and SW. Set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for cor.Secs. 25,30,31 and 36, marked T.18 N.S.30 65.75 80.00 J on NE., R.21 W.S.31 on SE., S.36 on SW. and R.22 W. S.25 on NW.faces, 1 groove on S. and 5 grooves on N, faces, Whence a Mesquite 6 ins.diam.bears N.44°W. 89 lks.dist. marked T.18 N.R.22 W.S.25 B.T. A Mesquite 6 ins.diam.bears N.37°30'E. 118 lks.dist. marked T.18 N.R.21 W.S.30 B.T. A Mesquite 5 ins.diam.bears S.28°15'E. 39 lks.dist. marked T.18 N.R.21 W.S.31 B.T. A Mesquite 4 ins.diam.bears S.14°45'W. 9 lks.dist. marked T.18 N.R.22 W.S.36 B.T. Soil sandy loam, first rate, Land level, subject to overflow, covered with Mes-quite, Willow and Cottonwood timber, dense undergrowth of Arrow-wood and water, 80.00 chs. Thence I run, North between Secs. 25 and 30, through heavt Mesquite timber and dense undergrowth, 7.30 Cross fence, course SE. and NW. Cross road, course SE. and NW. Enter slough, water 6 ins.deep, Leave slough, course SE. 7.50 8.50 11.50 Set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for 1/4 Sec.cor. marked 1/4 S on W.face, and 20 of 6 for Whence a Mesquite 6 ins.diam.bears 5.69°30'E. 76 lks. 40.00 $\sqrt{}$ dist.marked 1/4 S.30 B.T. A Mesquite 6 ins.diam.bears N.64°45'W. 145 lks.dist. marked 1/4 S.25 B.T. 42.00 Cross road, course E. and W. Set a Mesquite post 4 ins.sq. 4 ft.long 3 ft.in ground for cor.Secs. 19,24,25,30, marked T.18 N.S.19 on NE., R.21 W.S.30 on SE., S.25 on SW. and R.22 W.S.24 on NW 80.00 faces with 2 grooves on S. and 4 grooves on N.edges.

| | · · · · | | Door | 25 Y |
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| • | | West Boundary of T. 18 N., R. 21 W. | BOOK 2128, continued. | 25 9 . 30 |
| - | Chains | <pre>Whence a Mesquite 4 ins.diam.bears N. dist.marked T.18 N.R.21 W.S.19 B.T. A Mesquite 6 ins.diam.bears S.67°E. 9 marked T.18 N.R.21 W.S.30 B.T. A Mesquite 6 ins.diam.bears S.13°W. 6 marked T.18 N.R.22 W.S.25 B.T. A Mesquite 4 ins.diam.bears N.64°15'M marked T.18 N.R.22 W.S.24 B.T. Soil sandy loam, first rate, Land level, subject to overflow, cove Willow and Cottonwood timber and de of Arrww-wood, 80.00 chs.</pre> | 9 1ks.dist. 37 1ks.dist. 4. 79 1ks.d b st. 9 red with Mesquite, | |
| | 40.00 √ 66.75 80.00 √ | Thence I run, North between Secs. 19 and 24, thro and dense undergrowth, Set a Mesquite post 4 ins.sq. 4, ft.lo for 1/4 Sec.cor.marked 1/4 S'on W.f Whence a Mesquite 4 ins.diam.bears S. dist, marked 1/4 S.24 B.T. A Mesquite 5 ins.diam.bears S.28°15'E marked 1/4 S.19 B.T. Cross road, course NW. and SE. Set a Mesquite post 4 ins.sq. 4 ft.lo for cor.Secs. 13,18,19,24, marked T R.21 W.S.19 on SE., S.24 on SW. and faces, with 3 grooves on N. and S.e Whence a Mesquite 6 ins.diam.bears N. dist, marked T.18 N.R.21 W.S.18 B.T A Mesquite 5 ins.diam.bears S.14°W. 1 marked T.18 N.R.21 W.S.19 B.T. A Mesquite 5 ins.diam.bears N.27°30'E. marked T.18 N.R.22 W.S.24 B.T. A Mesquite 5 ins.diam.bears N.27°30'W marked T.18 N.R.22 W.S.13 B.T. Soil sandy loam, first rate, Land level, covered with scattering M and dense undergrowth of Arrow-wood | ng 3 ft.in ground ace, and '9 on 8 face 24°45'W. 132 lks. 1. 187 lks.dist. ng 3 ft.in ground .18 N.S.18 on NE., R.22 W.S.13 on NW. dges. 6°39'E. 195 lks. 228 lks.dist. 52 lks.dist. . 239 lks.dist. esquite timber | |
| | 39.90 40.00 74.00 79.00 80.00 | November 21, 1905. At 8h.a.m.l.m.t. I set off 34°52'N. and 19°49'S.on the decl.arc and det ridian with the solar at the cor.Se Thence I run, North between Secs.13 and 18, throu timber and dense undergrowth, Cross road, course NW. and SE. Set a Mesquite post 4 ins.sq. 4 ft.lo for 1/4 Sec.cor.marked 1/4 S'on W.f Whence a Mesquite 5 ins.diam.bears N. marked 1/4 S.18 B.T. A Mesquite 10 ins.diam.bears S.27°30' marked 1/4 S. 14 B.T. Leave timber, ¹³ Leave valley, enter hills, ascend abr | ermine a true me- cs. 13,18,19,24, gh heavy Mesquite ng, 3 ft.in ground ace, and 18 on 6 face 86°E. 85 lks.dist. W. 67 lks.dist. W. 67 lks.dist. W. 67 lks.dist. W. 67 lks.dist. Uptly, in ground for cor. on S. and 2 ones 2 ft.base, e, l ch. gravelly and Wesquite timber | |

NO. CONTRACTOR

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BOOK 2128

West boundary T. 18 N., R. 21 W., continued.

Chains Thence I run, North between Secs. 7 and 12, over mesa country, Ascend, 15.00 Cross summit of ridge, course E. and W. Descend, 26.00 Enter canon, Cross dry bed of canon 50 lks.wide, course SW. 28.00 Ascend, Leave canon, enter level mesa country, Set a lava stone 20x10x8 ins/516 ins.in ground for 1/4 30.00 40.00 Sef.cor. marked 1/4 on W.face, raised mound of stones 2 ft.base 1.5 ft.high W.of cor. No trees, pits impracticable, // Set a lava stone 16x8x8 ins. 12 ins.in ground for cor. 80.00 Secs. 1,6,7,12, raised mound of stones 2 ft.base, 1.5 ft.high W.of cor. No trees, pits impracticable, Soil gravelly and sandy, second rate, Land 40.00 chs. level mesa, 40.00 chs. broken mountaineous. Mountaineous land 40.00 chs. At 12 h.m.l.m.t. I set off 19°53'S.on the decl.arc and observed the sun on the medidian, at cor.Secs. 1,6,7,12, the resulting lat.being 34°54'N., Thence I run, North between Secs. 1 and 6, over level mesa country, gently ascending to N. and É. Cross road, course NE. and SW.// 18.10 Set a lava stone 16x8x6 ins. TS ins.in ground for 1/4 40.00 Sec.cor.marked 1/4 on W.face, raised mound of stones Sec.cor.marked 1/4 on W.12cs, raised mound of stones
2 ft.base, 1.5 ft.high W.of cor.
No trees, pits impracticable. /5
Set a granite stone 20x12x12 ins. 16 ins.in ground for
cor.Tps.18 and 19 N., Rs.21 and 22 W., marked T.19 N.
with 6 grooves on N., RM21 W. with 6 grooves on E.,
T.18 N.with 6 grooves on S. and R.22 W.with 6 grooves
on W faces mound of stones 4 ft base 2.5 ft 80.00 on W.faces, raised mound of stones 4 ft.base 2.5 ft. high S.of cor. No trees, pits impracticable, Soil gravelly, second rate, Land level mesa, scant growth of grass and greasewiid brush, November 21, 1905. North Boundary T. 18 N., R. 21 W. November 22, 1905. At 8h.a.m.l.m.t. I set off 34°55'N.on the lat.arc, 20°2'S. on the decl.arc and determine a true meridian with the solar at cor. Tps. 18 and 19 N., Rs. 20 and 21 W., Thence I run, West on a random line, Setting temporary 1/4 Sec. and Sec.cors. at intervals of 40.00 chs., to intersection of West boundary of T. 18 N.,Rs.21 and 22 W., at S.36 lks.from Tp.cor. 478.70 Novenber 23, 1905. November 24, 1905. At 8h.a.m.l.m.t. I set off 34°55'N.on the lat.arc 20°27%S.on the decl.arc and determine a true meridian with the solar at cor. Tps. 18 and 19 N., Rs. 21 and 22 ₩.,

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| | • • | | 2070 |
|----------|-----------------|---|---------------------------|
| 4 | | North Boundary T. 18 N., R. 21 W., continued. | ²⁸ 3 82 |
| | Chains | | |
| - | 20.00 | Ascend, | |
| • • ` | 45.00 | 2 ft.base 1.5 ft.high N.of cor. No trees, pits impracticable, descend | |
| | | Aspend, | |
| | 78.70 | Secs.5,6,31,32, marked 5 grooves on E. and 1 groove on W. edges, raised mound of stones 2 ft.base, 1.5 ft. high W.of cor. No trees, pits impracticable, Soil gravelly, second rate. | |
| | | Land level and hilly, very little vegetation. | |
| | | Thence I run, S.89°57'E. between Secs. 5 and 32, Descend, | |
| | 7.00 | Cross dry wash, 20 1ks.wide, course SW. Ascend, | |
| | 25.00 | Summit of ridge, course NE. and SW. | |
| | 40.00 | Descend, Set a lava stone 24x15x12 ins. 18 ins.in ground for 1/4 Sec.cor. marked 1/4 on N.face, raised mound of stones 2 ft.base 1.5 ft.high N.of cor. | |
| | 45.50 | No trees, pits impracticable, Cross dry wash, 30 lks.wide, course SW. Ascend. | |
| | 65.00 80.00 | Cross summit of ridge, course NE. and SW. Set a lava stone 24x15x12 ins/890 ins. in ground for cor. Secs. 4,5,32,33, marked 4 grooves on E. and 2 grooves on W. faces, raised mound of stones 2 ft.base, 1.5 ft. high W.of cor. | |
| | ing La State | No trees, pits impracticable, Soil, rocky, fourth rate, Land rolling mountaineous, Mountaineous land, 80.00 chs. | |
| | | | |
| | | Thence I run, S. 89°57'E. between Secs. 4 and 33, | |
| | 7.50 | Descend, Cross dry wash, 100 lks.wide. course SW. | |
| | 40. 00 | Ascend, Summit of ridge, course NE. and SW. Set a lava stone 16x12x8 ins / 12 ins.in ground for 1/4 Sec.cor., marked 1/4 on N.face, raised mound of stones 2 ft.base, 1.5 ft.nigh N.of cor. No trees, pits impracticable. | |
| | 55.00 | Descend, Cross dry wash 200 lks.wide, course SW. | |
| | 80.00 | Ascend, Set a lava stone 24x12x8 ins. 20 ins.in ground for cor. Secs. 3,4,33,34, marked 3 grooves on E. and W. edges, maised mound of stones 2 ft.base 1.5 ft.high W. of | |
| | | cor. No trees, pits impravicable, Soil rocky, lava formation, fourth rate, Land rolling mountaineous, Mountaineous land 80.00 chs. | |
| | | November 24, 1905. | |
| | | Remarka en argan | |
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| 33 | BOOK 2 | | |
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| 33 | Ro | North Boundary T. 18 N., R. 21 W., continued. | |
| | Chains | | • |
| | | November 25, 1905. At 8h.a.m.l.m.t. I set off 34°55'N.on the lat.arc and 20°39'S.on the decl.arc and determine a true meridian with the solar at cor.Secs.3,4,33,34, | · - |
| | 40.00 | Thence I run, S.89°57'E. between Secs. 3 and 34, Ascend, Set a lava stone 18x14x7 ins. 14 ins.in ground for 1/4 Sec.cor.marked 1/4 on N.face, raised mound of stones 2 ft.base 1.5 ft.high N.of cor. No trees, pits impracticable, Summit of ridge, course NE. and SW. | • • • • |
| | 52.00 | Descend, Cross gulch, 30 lks.wide, course SW. | |
| | 72.25 80.00 | Ascend, Cross road, course NE. and SW.15 Set a lava stone 20x10x8 ins. 16 ins.in ground for cor Secs. 2,3,34,35, marked 2 grooves on E. and 4 grooves on W. edges, raised mound of stones 2 ft. | |
| | | base 1.5 ft.high W.of cor. No trees, pits impracticable. Soil rocky, lava formation, fourth rate, | |
| | | Land rough, mountaineous, Mountaineous land 80.00 chs. | |
| | | | |
| | | Thence I run, S. 89°57'E. between Secs.2 and 35 over rough moun- taineous country, Descend, | <i>.</i> |
| | 6.00 | Cross dry wash 100 lks.wide, course SW. Ascend, | - |
| | 11.50 | Cross summit of ridge, course NE. and SW. Descend. | • • |
| | 17.50 | Cross dry wash 100 1ks.wide, course SW. Ascend, | • |
| | 21.00 | Descend, | |
| | 24.00 | Ascend. | |
| | 40.00 | Set a lava stone 20x10x5 ins. 15 ins.in ground for 1/4 Sec.cor.marked 1/4 on N.face, raised mound of stones 2 ft.base 1.5 ft.high N.of cor. No trees, pits impracticable. | |
| | 48,00 | | |
| | 59.00 | Cross dry wash 150 lks.wide, course SW. Ascend. | - |
| | 62.00 | Descend, | |
| • | 65.00 | Ascend, | |
| | 69.00 | Descend, | |
| | 73.00 | Ascend, | - |
| | 80.00 | Secs. 1,2,35,36, marked 1 groove on E. and 5 grooves on W. edges, raised mound of stones 2 ft.base, 1.5 ft. | - , |
| | | high W.of cor. No trees, pits impracticable, | |
| | | Soil rocky, lava formation, fourth rate, Land rolling mountaineous, very little vegetation, Mountaineous land 80.00 chs. | • |
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| | North Boundary | T. 18 N., R. 21 W., | BOOK 2128 continued. | 25F |
|---------------|---|--|-------------------------------------|-------------|
| Chains | November 25. | | | |
| | At 12h.m.l.m.t observed the s 1,2,35,36, the Thence I run, S.89°57'E, bet | . I set off 20°43'S. un on the meridian at resulting lat.being ween Secs. 1 and 36, | t the cor.Secs. 34°55'N. | |
| 4 0.00 | Sec.cor. marke 2 ft.base 1.5 | d 1/4 on N.face, rais | | |
| 80.00 | | mpracticable, 19 N. Rs. 20 and 21 W formation, fourth ra | te, | |
| | - | Novem | ber 25, 1905. | |
| | | | · | -4 . |
| | Bounda; | ries of T. 18 N,, R. | 21 W | |
| | | departures and closi | | |
| | | | | |
| | Line designated. | True brs. Dist N. | udes. Departures. | · · |
| | | t in the second se | S. E. W. Chs. Chs. Chs. | |
| | E. Bdy. N. Bdy. | North 480.00480.0 | | |
| | W. Bdy. | N.89°57'W478.70 South 480.00 | 480.00 | D · |
| | S. Bdy. Convergency, | East 479.49 | 479.49 | а. |
| | Totals | 400.5 | 480.00479.49479.2 | |
| | Errors in la | t. <u>430.00</u> | $\frac{479.21}{.28}$ | |
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| | | GENERAL DESCRIPTION. | | |
| | portion of Townshi the North West po | is nearly all rough m a little valley land ip and a little smoot rtion. | in the South West h mesa land in | |
| | West portion of the | nber or water except ne Township. | in the South | |
| | | G.L. | 124.1 | |
| | | The | S Denuty Summaria | ノー学会 |
| | | V U. | Superveyor. | · * * ; |
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The instrument was examined, tested on the true meridian at Phoenix, found correct, was approved by the Surveyor Genral for Arizona, September 25th, 1905. I examine the adjustments of the Transit and correct the level and collimation errors, then to test

the Solar Apparatus by comparing its indications resulting from its solar observations, made during a.m. and p.m. hours with a true meridian, determined by

observations on Polaris, I proceed as follows: December 24th. At the dor of Tps 18 and 19 N, Rs 21 and 22 W, which I set November 21st, I set off 34°55 N on the lat arc and 23° 21' S on the decl arc and de-termine a true meridian with the Solar and mark a point thereof on a stone set firmly in the ground, 5 chs N of my corner. at 4 k. 15m. J.M.

December 24th, 1905.

December 25th.

Chains

At lh. 10km. a.m.l.m.t., I observed Polaris at Western elongation in accordance with the Manual of Instructions and mark a point on the line thus deter-mined on a plug driven in the ground, 5 chs N of my

station. At 7h. 45m. a.m.l.m.t., I lay off the azimuth of Polaris 1° 28 V to the E and mark the true meridian thus determined by cutting a small groove in the stone set December 24th on which the true meridian falls 0.30 ins

At 8h.a.m.l.m.t., I set off 34° 55' N on the lat arc, 23° 21''S on the decl arc and mark a point on the true meridian determined with the Solar by a cross already set 5 chs N of my station. This mark falls 0.25 ins W of the true meridian established by Polaris observations.

The Solar Apparatus by p.m. and a.m. observations defines positions for true meridian respectively about 0' 16" E and 0' 13" W of the true meridian, establish-ed by Polaris observations. Therefore, I conclude the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian at 8h. a.m. is N 15° 15' W, which gives a magnetic decl of 15° 15' E.

Thence I run West bet Secs 1 and 36.

West bet Secs 1 and 36. Descend over level mesa land // Set a lava stone, 16 x 8 x 8 ins, 12 ins in ground for t Sec cor, marked t on N face. Dig pits 18 x 18 x 12 ins, 3 ft E and W of cor. Raised mound of earth 3t ft base, 1t ft high, N of cor. No trees. Set a lava stone, 18 x 12 x 6 ins, 214 ins in ground for cor of Secs 1, 2, 35 and 36, marked 1 groove on E and 5 grooves on W faces. Raised mound of stones 2 ft base, 1t ft high W of cor. No trees, pits impracticable. Soil, sandy loam, first rate. Soil, sandy loam, first rate.

Land, level, 'sloping to the W and S, covered with scant growth of grease wood brush. Very little other vegetation.

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80.00 1

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|-----------|--------|--|--|--|--|--|--------------------------------|--------------------------|
| 36 | ~ - | BOOK | 2120 NORTH BOUN | DARY TOWNSHIP | 18 NORTH, RAN | NGE 22 WES | ST. | - |
| | | hains 8.25 0.00 | | Secs 2 and 35, arse NW-SE arse, 16 \pm 10 x marked $\frac{1}{2}$ on b a, $1\frac{1}{2}$ ft high a lks wide co | N of cor. No | in ground d mound o trees, p | l f its | |
| | E | 30.00 | for the cor of on E and 4 group 2 ft base, $1\frac{1}{2}$ impracticable. | Secs 2, 3, 3 oves on W edg ft high, W of dy loam, firs | t rate. | ound of st | with | • |
| | | 34.50 40.00 √ | Leave mesa, en tering timber Set a mesquite ground for $\frac{1}{4}$ S A mesquit | Secs 3 and 34 ter Colorado and dense und post, 4 ins Sec cor, marke se, 8 ins in d | sq., 4 ft long ad $\frac{1}{4}$ Son N fa liam, bears N | rrow wood. g, 3 ft ir ce, wheno 14° W, 71 | and 3 out lks | ?face |
| | 1 1 | 42.71 √ · | dist, marked A mesquit dist, marked Intersect E bo Scoo 38' 6" W, Set a mesquite ground for Clo on E face, T on W, and 6 gr A mesquit | 2.07 chs from post, 4 ins psing Cor on 5 18 N, S 3 on 5 rooves on N ar te 8 ins in 6 | the 5 Mile sq., 4 ft lon p line, marke 5, T 19 N, S 3 d S faces, wh diam, bears S | Post. g, 3 ft in d C.C. R 4 on N, C ence 70° E, 92 | n 22 W .M.I.R. | |
| | | | dist, marked A mesqui lks dist, mark Soil, sar Land, 34 land, covered | T 18 N, R 22 f te, 12 ins in ked T 19 N, R ndy loam, fir .50 chs mesa with mesquit | diam, bears N 22 W, S 34 C. st rate. land, 8.21 chs e timber and c of the South | 35 ¹ • E, C.B.T. river bo lense unde bdy of Tp | 22 ttom rgrowth 19 N, | • |
| | | • | BOUNDAJ | RIES T. 18 N. | December 25 , R 28 W. and closing e | | | - |
| | | Maan | designated. Tru Bea: | ue Dis- rings tance Chs. | Latitudes. N. S. Chs. Chs. 178.80 | Depart E. Chs. | ures. W. Chs. 29.77 | |
| , | | S. bd E. bd " " N. bd E. bd S. bd | Res.line N.76 Res.line N. 1 " " N. 0 East Sout | • 4 E 272.50 • 38 E 3.17 p. 480.00 | 3.1 7 480.0 | √.22 | √ 283.00 | |
| | | Total | | | 480.13 480.0 480.00 .13 Dept | 312.77 | | • |
| | | | | | John Je 11. S. Deputy | J'esh Surveyor | | |
| | | | | | | | | e po rte en estat |

RESURVEY

BOOK 2128 EAST BOUNDARY TOWNSHIP 19 NORTH, RANGE 22 WEST.

Chains After diligent search, I was unable to find any trace of the South or East Boundary of the original survey of Township 19 North, Range 22 West. Therefore I re-established the South, East and North Boundaries Therefore, of said Township.

Survey commenced January 1st, 1906, executed with and L. E. Gurley Light Mountain Transit, not numa W. bered, with a Smith Solar Attachment. The horizontal limb is provided with two double verniers, placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the lat and decl arcs.

The instrument was examined, tested on the true

The instrument was examined, tested on the true meridian at Phoenix, found correct and was approved by the Surveyor General for Arizona, September 25th, 1905. I examine the adjustments of the Transit and cor-rect the level and collimations errors, then to test the Solar Apparatus by comparing its indications re-sulting from Solar observations, made during a.m. and p.m. hours with a true meridian determined by obser-vations on Polaria. I proceed as follows. vations on Polaris, I proceed as follows: January 1st:At the cor of Tps 18 and 19 N, Ranges 21 and 22 West, previously established by me, lat 34° 54 57.6" N, long 114° 32 57 "W, I set off 34° 55' N on the lat arc, 22° 57' S on the decl arc and at 4h. p.m. 1.m.t., I determine a true meridian with the Solar and mark a point thereof on a stone set firmly lat 34° 54' v

Solar and mark a point thereof on a stone set firmly in the ground 5 chs N of my cor.

January 1st, 1906.

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January 2nd, 1906. At 20h. 38m. a.m.l.m.t., I observed Polaris at Western elongation in accordance with Manual of Instruc-

tions and mark a point on the line thus determined on a plug driven in the ground, 5 chs N of my station. At 7h. 45m. a.m.l.m.t., I set off the Azimuth of Polaris 1° 28''E and marked the true meridian thus determined by cutting a small groove in the stone set January 1st, on which the true meridian falls 0.3 ins W of the mark determined by the Solar,

At 8h.a.m.l.m.t., I set off 34° 55' W on the lat arc, 23° 54' S on the decl arc and mark a point in the true meridian determined with the Solar by a cross on the stone already set 5 cns N of my station. This mark falls 0.35 ins W of the true meridian established by Polaris observation.

The Solar Apparatus by p.m. and a.m. observations defines positions for true meridians respectively about 0' 16" E and 0' 18" W of the true meridiant established by the polaris observation. Therefore, I conclude the adjustements of the instrument are satisfactory

the adjustements of the instrument are satisfactory. The magnetic bearing of the true meridian at 8h: a.m. is N 15° 15' W, which gives a magnetic decl of 15° 15' E.

I begin at the cor of Tps 18 and 19 N, Rs 21 and 22 ₩.

Thence I run

North bet Secs 31 and 36.

25.00 Foot of mesa Set a lava stone, 16 x 8 x 6 ins, 18 ins in ground for $\frac{1}{2}$ Sec cor, marked $\frac{1}{2}$ on W face, with mound of stones 2 ft hase, $1\frac{1}{2}$ ft high W of cor. No trees, pits im-40.00 practicable Descend 46.50 Cross wash, 50 lks wide, course SW Ascend 80.00 Top of mesa. Set a lava stone, 20 x 6 x 6 ins, 16 ins in ground for cor of Secs 25, 30,31 and 36, stone marked 1 groove on S and 5 grooves on N edges. Raised a mound of stone 2 ft base, 12 ft high, W of cor. 37

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| 2 | 62 | - 108 |
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| 38 | 62 BOOK | EAST BOUNDARY TOWNSHIP 19 NORTH, RANGE 22 WEST. |
| | Chains | Soil, gravelly, 3rd rate. Land, broken, rough, very little vegetation. |
| | | |
| | | The stand hat Good 25 and 30. Over level mest country |
| | 40.00 V | North bat sees 25 and 00, or mending to the N and W. Set a lava stone, 16 x 8 x 6 ins, 12 ins in ground for l Sec cor, marked l S on W face. Dig pits 18 x 18 x 12 l Sec cor, marked l S on W face. Dig pits 18 x 18 x 12 ins, 3 ft N and S of cor. Raise mound of earth 31 ft ins, 3 ft N and S of cor. No trees nor stones. |
| | 80.00 | base, 11 ft high, W of cor. No trees nor stones. |
| | - J | cor of Secs 19, 24, 25 and 50, Stone mained a mound of stone |
| | | 2 ft base, 12 it high, N of cor. No second rate . practicable. |
| | | Land, level, covered with grease wood brush. Very little grass. |
| | | At 12h.m.1.m.t., I set off 23° 55' S on the decl arc and observed the sun on the meridian, the result- |
| | | ing lat being 34° by \sqrt{N} . |
| | 40.00 | North bet Secs 19 and 24, over level mesa country. |
| | J | Set a lava stone, 16 x 8 x 5 ms, 15 ms and of stones 2 Sec cor, marked 2 on W face. Raised mound of stones 2 ft base, 12 ft high, W of cor. No trees, pits im- practicable. |
| | 46.50 | Descend Cross gulch, 50 lks wide, course SW |
| | 80.00 | Ascend Set a lava stone, 20 x 15 x 8 ins, 16 ins in ground for |
| | | and S edges. Raised mound of stones 5 10 saco, -2 high W of cor. No trees, pits impracticable. |
| | 4. | Soil, gravelly, 2nd rate. Land, level and broken, covered with grease wood brush. Very little grass. |
| • • | | Thence I run North bet Secs 13 and 18, over rough, mountainous |
| | | country. Leave mesa, enter mountains. |
| | 9.00 | Cross canon, 100 lks wide, course SW Ascend |
| | 30.00 | Top of ridge, course NE-SW Descend Set a lava stone, 18 x 12 x 10 ins, in monument of |
| | 40.00 | stones, marked $\frac{1}{2}$ on W face. Raised a mound of the im- 2 ft base, $1\frac{1}{2}$ ft high, W of cor. No trees, pits im- |
| | 45.00 | |
| · · · | 46.00 | Ascend Leave canon |
| | 60.00 | Cross summit of ridge, course NE-SW |
| | 75.00 | Ascend |
| • | 80.00 | on N and 4 grooves on S edges. Raised mound of stone |
| · · | | 2 ft base, 12 it nigh, Wor cor. 4th rate. |
| | | Soil, rocky, lava formation, the by deep canons, covered Land, mountainous, cut up by deep canons, covered with grease wood brush. Very little other vegetation. Mountainous land; 80.00 chs. January 2nd, 1906. |
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| - | · · · · · · | | BOOK 2128 | |
| | chain | EAST BOUNDARY TOWNSHIP 19 NORTH. | RANGE 22 WEST. | 39 |
| | | January 3rd, 1906. At 8h.a.m.l.m.t., I set off 34° arc, 22° 48 S on the decl arc, and meridian with the Solar at the cor o and 18. | datarmina a truca | |
| | | Thence I run | | |
| ă. | | North bet Secs 7 and 12, over r country. | ough, mountainous | |
| • | 9.00 | Descend | | |
| | 18.00 | Cross canon, 100 lks wide, course SW Ascend Cross_ridge, course NE-SW | | |
| | | Descend | | |
| | 30.00 | Cross canon, 5 0 lks wide, course SW Ascend | | |
| | 40.00 | Set lava stone, 20 x 10 x 8 Ins, in m for $\frac{1}{2}$ Sec cor, marked $\frac{1}{2}$ on W face. Ra | and monumout of | |
| | | stones, 2 ft base, 11 ft high, W of o pits impracticable. | or. No trees, | |
| | 41.00 | Cross summit of ridge, course NE-SW Descend | | * |
| | 48.25 | Enter canon | Su | |
| | 52.0 0 56.0 0 | Cross dry bed of canon, 50 lks wide, Leave canon | course NW. Ascend | |
| | 62.00 | Cross ridge, course NE-SW | | |
| | 68.00 | Descend Cross canon, 100 lks wide, course SW | | |
| | 80.00 | Ascend Summit of ridge, course E and W | | |
| | V | Det a lava stone. 18 x 10 x 8 ing in | monument of | |
| | | stones for cor of Secs 1, 6, 7 and 12 on S and 1 groove on N edges. Raised | a mound of stone l | |
| | | 2 ft base, 11 ft high, W of cor. No practicable. | trees, pits im- | |
| | | Soil, rocky, lava formation. fou | rth rate. | |
| | | canons. Very little vegetation, prin | it in hy doon | |
| | | wood brush. Mountainous land, 80.00 chs. | | |
| | | | | |
| | | Thence I run North bet Secs 1 and 6, over roug tainous country. | gh, broken, moun- | |
| | 6.50 | Descend Cross canon, 150 lks wide, course NW | | |
| | 13.50 | Ascend | | |
| | | Cross ridge, course NW-SE Descend | | |
| | 21.50 | Cross canon, 75 lks wide, course NW Ascend | | |
| | 31.25 32.00 | Cross road, course NE-SW Cross summit of ridge, course E and W | • | - |
| | 40.00 | Descend | | |
| | | Set a lava stone, 18 x 10 x 6 ins, 14 for $\frac{1}{2}$ Sec cor, marked $\frac{1}{2}$ on W face. Ra | igad a manual of | · . |
| | | stones, 2 ft base, $1\frac{1}{2}$ ft hing, W of co pits impracticable. | r. No trees, | |
| | 43.25 | Cross gulch, 50 lks wide. course W | | |
| | 52.00 | Ascend Cross ridge, course E and W | | |
| | 60.25 | Descend Cross canon, 150 lks wide, course SW | | |
| | 65.00 | Ascend Cross ridge, course E and W | | , |
| | 72.00 | Deseend Cross canon, 100 lks wide, course W | | • |
| | | Ascend | | |
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| 26° 40 | / B00 | K 2128 EAST BOUNDARY TOWNSHIP 19 NORTH, RANGE 22 WEST. |
| 40 | | |
| | chains 80.00 √ | Set a lava stone, 18 x 12 x 12ins, 14 ins in ground for cor of Tps 19 and 20 N, Rs 21 and 22 W, marked T 20 N on N R 21 W on E T 19 N on S |
| | | R 22 W on W faces, with 6 grooves on N, E, 5 and W faces. Raised a mound of stones, 4 ft base, 2½ ft high, S of cor, whence Boundary Cone bears S 54° 20' E Boundary Love formation, fourth rate. |
| | | Land, mountainous, very rough, cut up by deep canons. Mountainout land 80.00 chs. |
| | | At 12h.m.l.m.t., I set off 22° 50' S on the decl arc and observed the sun on the meridian at the cor of Tps 19 and 20 N, Rs 21 and 22 W, the resulting lat being 35° 0' N, which is 10.8 " less than the true lat. |
| | | RESURVEY NORTH BOUNDARY OF TOWN SHIP 19 NORTH, RANGE 22 WEST. |
| | | Thence I run West bet Secs 1 and 36, over rough, mountainous country. |
| *. 2011 | 15.00 | Ascend Cross S rim of canon, course W |
| | 40. 00 | Set a lava stone, 18 x 8 x 5 ms, 24 ms and of stones ‡ Sec cor, marked ‡ on N face. Raised mound of stones 2 ft base, 1½ ft high, N of cor. No trees, pits im- |
| | 69.50 71.50 | practicable. Cross bed of canon, 100 lks wide, course NW ascend Cross ridge, course N and S Descend |
| | 73.50 | Cross same canon, 100 lks wide, course SW Ascend Cross ridge, course N and S |
| | 79.00 | Descend Cross gulch, 10 lks wide, course H-end S |
| | 80.00 J | Ascend Set a lava stone, $18 \times 12 \times 7$ ins, in monument of stones for cor of Secs 1, 2, 35 and 36, stone marked 1 grooves on E and 5 grooves on W faces. Raised a mound of stones 2 ft base, $1\frac{1}{2}$ ft high, W of cor. No trees, pits im ² |
| | | practicable. Soil, rocky, lava formation, fourth rate. Land, mountainous, wery rough, cut up by deep |
| | | Mountainous land, 80.00 chs.V January 3rd, 1906. |
| | | January 4th, 1906. At 8h.a.m.l.m.t., I set off 35° N on the lat arc, 22° 42' S on the decl arc and determine a true meri- dian with the Solar at the cor of Secs 1, 2, 35 and 36. Thence I run |
| | | West bet Secs 2 and 35. Ascend |
| | 30.00 | Descend, |
| • | 40.00 | Set a lava stone 18 x 10 x 0 118, 12 a mound of stone Sec cor, marked 1 on N face. Raised a mound of stone 2 ft base, 11 ft high, N of cor. No trees, pits im- |
| | 47.0 | |
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| NORTH EQUIDARY TOWESHIP 19 NORT, PAUGE 23 TERMS 80.00 Set a lava stone, 20 % 10 x 6 ins, if ins in ground for son of deca 2, 3, 34 and 35, stonews A marging 6 ins in diam, bears N 144* W, 85 lks A marging 6 ins in diam, bears N 144* W, 85 lks A marging 6 ins in diam, bears N 144* W, 85 lks A marging 6 ins in diam, bears N 144* W, 85 lks A marging 7 lb N, 8 22 W, 5 35 lt. A marging 7 lb N, 8 22 W, 5 35 lt. A marging 7 lb N, 8 22 W, 5 35 lt. A marging 7 lb N, 8 22 W, 5 35 lt. A marging 7 lb N, 8 22 W, 5 35 lt. A marging 7 lb N, 8 22 W, 5 35 lt. A marging 7 lb N, 8 22 W, 5 35 lt. A marging 7 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 22 W, 5 35 lt. A marging 8 lb N, 8 20 W, 8 20 W | • | BOOK | |
|---|---------------------|--|--|
| 80.00 Set a lave stone, 20 x 10 x 6 ins. 1⁴/₂ ins in ground for cor of Secs 2, 3 4 and 36, storm narked 2 grooves on E and 4 grooves on W edges, where * narked 2 grooves dist, marked 7 20 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 10 W, R 22 W, 5 3 E.T. dist, marked 7 E.S. 2000 Covered with dense under growth, 80.000 cm. dist. marked for a land covered with dense under growth 80.000 cm. dist. marked for N face, where a dist. marked for 10 K 3 K 0 Ins/12 in a In ground for i 3 Soc or, marked for N face, where a dist. marked for S B.T. dist. marked for S | cnain | NORTH BOUNDARY TOWNSHIP 19 NORTH, RANGE 22 WEST? 41 | |
| Thence I run define undergrowth of arrow wood. Set a lava stend define undergrowth of arrow wood. Set a lava stend define undergrowth of arrow wood. I see cor, markes I on N face, whence a dist, marked is 3 a lin diam, bears N 64° E, 192 lks dist, marked is 3 b lin diam, bears N 64° E, 192 lks dist, marked is 3 b lin diam, bears N 64° E, 192 lks dist, marked is 3 b lin diam, bears N 64° E, 192 lks dist, marked is 3 and 34, marked is 3 b lin diam bears N 64° E, 192 lks dist, marked is 3 b lin diam, bears N 64° E, 192 lks dist, marked is 3 and 34, marked is 3 and 34 | 80.00 | for cor of Secs 2, 3, 34 and 35, stonet marked 2 grooves on E and 4 grooves on W edges, whence A mesquite 6 ins in diam, bears N 14 ⁴ / ₄ ° W, 85 lks dist, marked T 20 N, R 22 W, S 34 B.T. A mesquite 4 ins in diam, bears S 28 ⁴ / ₂ ° W, 123 lks dist, marked T 19 N, R 22 W, S 3 B.T. A mesquite 4 ins in diam, bears S 28 ⁴ / ₄ ° E, 158 lks dist, marked T 19 N, R 22 W, S 2 B.T. A mesquite 4 ins in diam, bears N 78° E; 238 lks ⁴ dist, marked T 20 N, R 22 W, S 35 B.T. Soil, rocky, lava formation, and sandy loam, fourth and first rates. Land, mountainous and level, covered with scatter- ing mesquite timber and dense undergrowth of arrow wood. | |
| Land, level, 23.00 cms of which is subject to overflow, covered with scattering mesquite timber and dense undergrowth of arrow wood, 80.00 chs. Thence I run West bet Secs 4 and 52, through dense undergrowth of arrow wood and scattering mesquite timber. 7.60 Intersect left bank of Colorado River, bank about 10 ft high. Current close in to bank and cutting. Set a mesquite post, 4 ins sq., 4 ft long, 3 ft in ground for Meander cor of fractional Secs 4 and 33, marked M.C. on W face T 20 N, S 33 on N face R 22 W on E face T 19 N, S 4 on S face, whence A mesquite, 5 ins in diam, bears S 2° W, 120 Iks dist, marked T 19 N, R 22 W, S 4 M.C.B.T. A mesquite, 5 ins in diam, bears N 284° E, 95 lks dist, marked T 20 N, R 32 W, S 33 M.C.B.T. Soil, sandy loam, first rate. Land, level, subject to overflow, covered with dense undergrowth of arrow wood and scattering mesquite timber, 7.60 chs. | / 57.00 80.00 | Thence I run 3 West bet Secs and 34, through scattering mes- quite timber and dense undergrowth of arrow wood. Set a lava stone, 16 x 8 x 6 ins/12 ins in ground for 1 Sec cor, marked 1 on N face, whence a A mesquite 8 ins in diam, bears N 64° E, 192 lks dist, marked 1 S 34 B.T. A mesquite 6 ins in diam bears S 46° E, 302 lks dist, marked 1 S 3 B.T. Enter overflow land, through dense undergrowth Set a mesquite post, 6 ins sq., 4 ft long, 3 ft in ground T 20 N, S 34 on NE R 22 W, S 3 on SE T 19 N, S 4 on SW S 33 on NW faces, with 3 grooves on E and W edges, whence A mesquite 4 ins in diam, bears N 261° E, 133 lks dist, marked T 20 N, R 22 W, S 34 B.T. A mesquite, 8 ins in diam, bears S 47° E, 274 lks dist, marked T 19 N, R 22 W, S 3 B.T. A mesquite, 5 ins in diam, bears S 69° W, 426 lks dist, marked T 19 N, R 22 W, S 4 B.T. A mesquite, 4 ins in diam, bears | |
| <pre>ft high. Current close in to bank and cutting. Set a mesquite post, 4 ins sq., 4 ft long, 3 ft in ground for Meander cor of fractional Secs 4 and 33, marked M.C. on W face T 20 N, S 33 on N face R 22 W on E face T 19 N, S 4 on S face, whence A mesquite post, 10 ins in diam, bears S 2° W, 120 lks dist, marked T 19 N, R 22 W, S 4 M.C.B.T. A mesquite, 5 ins in diam, bears N 28½° E, 95 lks dist, marked T 20 N, R 22 W, S 33 M.C.B.T. Soil, sandy loam, first rate. Land, level, subject to overflow, covered with dense undergrowth of arrow wood and scattering mesquite timber, 7.60 chs. January 4th, 1906.</pre> | 7-60 | Land, level, 23.00 cns of which is subject to over- flow, covered with scattering mesquite timber and dense undergrowth of arrow wood, 80.00 chs. Thence I run West bet Secs 4 and 32, through dense undergrowth of arrow wood and scattering mesquite timber | |
| | V | ft high. Current close in to bank and Set a mesquite post, 4 ins sq., 4 ft long, 3 ft in ground for Meander cor of fractional Secs 4 and 33, M.C. on W face T 20 N, S 33 on N face R 22 W on E face T 19 N, S 4 on S face, whence A mesquite post, 10 ins in diam, bears S 2° W, 120 1ks dist, marked T 19 N, R 22 W, S 4 M.C.B.T. A mesquite, 5 ins in diam, bears N 28½° E, 95 1ks dist, marked T 20 N, R 28 W, S 33 M.C.B.T. Soil, sandy loam, first rate. Land, level, subject to overflow, covered with timber, 7.60 chs. | |
| | | | |

BOUNDARIES TOWNSHIP 19 NORTH, RANGE 22 WEST

| • | La | • • | | Latitu | dee | Denart | tures. |
|---|--|--|--|---|--|---|---|
| Line de | signated. | True Bearings | Dis- .tance. | N. | S. | Ε. | W. |
| E.bdy. N.bdy. "" | Res. | N. 0°38'E N.56°52'W East | 346.07 56.00 247.60 480.00 | 30.60 | | 3.83 247.60 | 46.89 |
| E bdylea onverge | ency | South | 400.00 | 480.35 | 480.00 | 251.69 | ¥ |
| Totals S.bdy. | | West | 202.72 | 480.35 | 480.00 | 251.69 | 202.7 |
| | | | | 480.00 | 1 | 250.99 | 250.92 |
| Error | in lat | | | | | 0.77 | |
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| | | | GENERAL | DESCRIP | TION | | ¢ |
| | | - is Tp is ro | | | | the Tar | |
| • | | ere is no v | | | | | |
| | the Tp. Th River. Th mation; loam. Th | | ne Easte rn and S timber e rado Riv | rn porti outhern xcepting er botto | ion is r portion g in the om, very | ocky, la being a | ave for a sandy estern vegeta 7 |
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NAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS. BG JK 2128 LIST OF NAMES A list of the names of the individuals employed by. The, United States Deputy Surveyor, to assist in running, measuring, and marking the lines and corners described in the foregoing field notes of the survey of Buly Ths 15,16 17+18 NR21H and Tps 17, 18 + 19 NR224 showing the respective capacities in which they acted: Huny & O'Common -----, Chainman. Whe learning, Chainman. R. Q. Comm -----, Moundman. & A Censidy -----, Moundman. . Murph, Axman. Richell Willia axmuu ers_____, Axman. Joing 11 C -----, Flagman. FINAL OATH OF ASSISTANTS. John I ctertue We hereby certify that we assisted, United States Deputy Surveyor, in surveying all those parts or portions of the Buly Tps 15,16,17 + 18 N 18 21 14 and bely Tps, 17,18+19 NR224 Venitory of Kivee meridian, fmul, which are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established, according to the instructions furnished by the United States Surveyor algond General for _ Chainman. mound Chainman. Moundun Moundman Moundman. X Axman. Axman. Flagman. Subscribed and sworn to before me this _____ J. Feihre Notrery Public day of, 1**990 4**7 6-151 9 1908

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR 2128 , United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Imuch & Inquells United States Surveyor General for <u>Munch</u>, bearing date of the 14⁴ day of <u>Munch</u>, 1995, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for _______, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the believe Tfos 15, 16, 17 + 18 N R21W and Tps. 17, 18 + 19 1X R 22 M of the Lile and meridian, in the Jenutory of Mugoule, which are represented in the ul. foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for ________ and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey; and should any fraud be detected, I will suffer the penalty of perjury under the provisions of an Act of Congress approved August 8, 1846. John J Ferlier United States Deputy Surveyor. Subscribed by said <u>lofm</u> <u>Fisher</u>, and sworn to before me this <u>lay</u> of <u>March</u> <u>1906</u>, 189 hand A higally W.S. Surveyor General for Janzona APPROVAL. OFFICE OF THE UNITED STATES SURVEYOR GENERAL, Phoening arin on a June 29" 1906 The foregoing field notes of the survey of the Exterior boun daries of Ips. 15 16 17 and 18 M., R. 21 W, and Tpo 17, 18, and 19 M. P 22 W. of the Gila and Salt River Base and Meridian in the territory of J. Fisher, M. & definily survey or executed by ... under his contract No. 128, dated March 14 1905, 189, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved. nant o United States Surveyor General. I certify that the foregoing transcript of the field notes of the above-described surveys in _____ has been correctly copied from the original notes on file in this office. -United States Surveyor General.