FIELD NOTES

OF THE SURVEY OF THE

BOOK 2785

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of the U+S. AB + Meridian,	
AS SURVEYED BY	
Caccele Lan, United States Deput	y Surveyor,
Survey completed. Secondary 17	, 19/0
Survey commenced Lecesales 11	
Survey completed Recesser 17	, 19/0
A TELEVISION OF THE STATE OF TH	

NAMES AND DUTIES OF ASSISTANTS.

11 B Wellie	Chamman
66 Dan	Chammay.
La W March	Bundman
I Thuse	Chamman,
W.S. Smith	axman.
Clive moore	Chamman
anchew Schermous	alagman.
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anchen Schermynn.	Alaym an
Anchew Schermann.	Alaym an
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BOOK 2785 INDEX DIAGRAM.

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Through Tp. 5 M.

PRELIMINARY OATHS OF ASSISTANTS.

WILL DE	
WE, If Will	and 6 6 10 and
do solemnly swear that we will well and faithfully	
chain upon even and uneven ground, and plumb the	
we will report the true distances to all notable obje	_
measuring, to the best of our skill and ability, and in	
Tunt Lindo hendrem	Lout pho 15+6/1
	RR William
	0.0
••••	6.6, Barr
Subscribed and sworn to before me this	·· {
day of heemly, 19/10	
TEXES	J'alle flenn
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WE, Le M. D. cullif	and Must
do solemnly swear that we will well and truly pe	
of corners, according to the instructions given us,	
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day of 100001111111111111111111111111111111) (the seal of
EXXXX	Malale com
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WE, Macae	and
do solemnly swear that we will well and truly perform	
and other duties according to instructions given us	Samuel Sa
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	JULY South
Charles I and an income to before my thing	
Subscribed and sworn to before me this	
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SEAL (R)	USAfuly
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I, (B) cherryson.	
perform the duties of flagman according to instructi	
survey of / mt Lucle Menche	mt art this STI
	17.71 Sol.
	- Volto Gearing in
Subscribed and sworn to before me this	-)
day of Lecurely, 19/1)	
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Survey commenced December 11, 1910, and executed with a Young & Sons light mountain transit, No.5609, the horizontal limb being provided with two opposite verniers reading to single minutes of are, equipped with a Smith solar attachment.

At my camp, with my instrument set over a marked stone, set firmly in the ground, at 3 p. m., 1. m.t., I set off 22° 58'S on the decl.arc; 33° 50'N on the lat. arc; and mark the meridian thus determined by a groove on a stone set firmly in the ground, 5 chs. N. of my station Dec.12,1910: At 2-05 a.m., l.m.t., I observe Polaris at western elongation, in accordance with instructions in the Manual, and mark the point in the line thus determined

by a tack driven in a wooden stake 5 chs. N. of my station.

December 12,1910: At 8 a.m., 1.m.t., I lay off the azimuth of Polaris 1º 24' to the east, and mark the point thus determined by cutting a cross (X) on the stone set December 11,1910, which falls 0.2 ins. E.of the point

determined by p.m. solar observation.

December 12,1910: at 9 a.m., l.m., t., I set off 23°01'30"5 on the decl.arc; 33°50'Non the lat.arc; and mark the meridian thus determined by a groove on a stone set Dec. 11,1910, which falls 0.3 ins.E.of cross (X) determined by Polaris.

The magnetic hearing of the true marilian is N.14°30'W., which gives the magnetic declination 14°30!E.

I begin at the standard corner of Sections 31 and 36, Township 5 North, R. 4 & 5 E., Latitude 33 43 27" N., Long 11 5324W. where I find faint traces of corner. I re-establish same by setting a granite stone, 22x15x5 ins., 14 ins.in the ground, for standard cor. of Tps.5 N.R. 4&5E, marked

SC5NonN.,

5 E on E., and 4 E on W. face; from which An ironwood, 12 ins.diam., brs.N.58°46'W., 121 lks.dist. marked T 5 N R 4 E S 36 B T

No other trees available.

Raise a mound of stone, 2 ft.base, 12 ft.high, N.of cor From the standard cor. I run North bet. secs. 31 and 36 Over rolling land

9,70

Level, bottom land. Wash, 10 lks. wide, course W; enter rolling land; ascend 75 ft. 25.80

31.00 Top of ascent; descend

36.00 Bottom of descent; wash, 30 lks. wide, course W; ascend Top of ascent; descend 10 ft. 38,00

Difference between measurements of 40.00 chs., by two sets of chainmen is 4 lks; position of middle point By 1st set, 40.02 chs.

By 2nd set, 39.98 chs; the mean of which is

Set an ironwood post, 3 ft. long, 4 ins.sq., with marked stone, 24 ins.in the ground, for \$\frac{1}{2}\$ sec.cor., marked \$\frac{1}{2}\$ S 31 on E. and \$\frac{1}{2}\$ S 36 on W. face; from which 40,00

An ironwood & ins.diam., hrs.S.33°37'E.,79 lks.dist., marked ‡ S 31 B T

An ironwood, 12 ins.diam., brs.S.67941'W., 218 lks.dist. marked ‡ S 36 B T.

Pits impracticable.

Wash, course W; ascend Top of ascent; descend 41.00 46.00

51.50 Wash, 50 lks.wide, course W; ascend

52.20

Top of ascent; descend Wash/ 15 lks. wide, gourse W; ascend 54.00

55,00 Top of ascent; descend 10 ft.

Wash, 15 lks. wide, course W; ascend 56.00

58.00 Top of ascent; descend

```
1st Guide Meridian E. Through Tps. 5 N., Bet. Rs. 4 and 5 E.
62.50
           Wash, 15 lks. wide, course W.; ascend
          Top of ascent; descend Wash, course W; ascend
64.00
65.00
          Top of ascent; descend 15 ft. Wash, course W; ascend Top of ascent; descend Wash, course W; ascend.
68.00
69.00
70.00
73.00
           Top of ascent.
74.00
76.00
           Wash, course W. Ascend to corner.
           The difference between measurements of 80.00 chs., by two
              sets of chainmen, is 2 lks.; position of middle point
                   By 1st set, 80.01 chs.
By 2nd set, 79.99 chs.; the mean of, which is
           Set a granite stone, 14x8x6 ins., 9 ins in the ground for cor. of secs. 25, 30, 31&36, marked with 1 notch on S. edge
80,00
              and 5 notches on N.edge; from which
                   A palo verde, 4 ins.diam., brs.N.3°00'E.,81 lks.dist., marked T 5 N R 5 E S 30 B T
                   A palo verde, 4 ins.diam., brs.N.24°44'W.,71 lks.dist. marked T 5 N R 4 E S 25 B T
                   A palo verde, 4 ins.diam., brs.S.51°06'E., 103 lks.dist.
                     marked T 5 N R 5 E S 31 B T
                   A palo verde, 4 ins. diam., brs. S. 26°53'W., 175 lks. dist. marked T 5. N. R 4 E. S 36 B T
           Land, rolling.
           Timber, mesquite, palo verde, ironwood, ocotillo.
           Soil; gravelly; 2nd rate. Rolling and, 80.00 chs.
                                                                  December 12, 1910
            ر الما يا الما يونيون والما يوني
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                                                            المعاصدة مدا مدا مدا علا مدا المداعة الما المداعة الما الما المداعة المداعة المداعة
           December 13,1910: I set off 23°07'Son the decl. arc; and
             at 11h,54m, s.m.,1,m.t., observe the sun on the meridian,
              and obtain on the lat.arc the reading 33°44', N which
              agrees with other data
          N. bet. secs. 25 abd. 30
          Wash, 10 1ks. wide, course W;, ascend
 2.80
           Top of ascent; descend 15 ft.
 3.70
          Wash, 70 lks. wide, course W; ascend Top of ascent; descend Wash, 30 lks. wide, course W; ascend
 7.00
10.00
12.70
16.00
          Top of ascent; descend
20.00
          Bottom of descent; ascend
          Top of ascent; descend Wash, 10 lks. wide, course W; ascend 20 ft. Top of rise; descend
24.00
25.00
28.00
           Wash, 12 lks. wide, course W.
29.00
           Wash, 10 lks. wide, course W; ascend
34.00
           Top of rise, descend
35.00
          Wash, 10 lks. wide, course, W; ascend Top of ascent; descend.
35.80
37.90
           Difference in measurement of 40.00 chs., by two sets of
          chainmen, is 6 lks.; position of middle point

By 1st set, 40.03 chs.

By 2nd set, 39.97 chs.; the mean of which is

Set a palo verde post, 3 ft.long, 4 ins.sq., with marked stone, 24 ins.in the ground, for $\frac{1}{2}$ sec.cor., marked $\frac{1}{2}$ S on W., and $\frac{1}{2}$ S 30 on E.face; from which

A palo verde 10 ins.diam. brs. 5.550 E. 108 lks.
40.00
                   A palo verde, 10 ins. diam., brs. S. 5°50'E., 108 lks. dist. marked ‡ S 30 B T
                   A palo verde, 4 ins. diam., brs. §. 36°038W., 148 lks. dist.
                      marked 1 S 25 B T
                          Magnetic declination, N. 14° 35' E.
           Thence N. descending over rollingland Wash, 10 lks.wide, course W.; ascend.
41.00
           Top of rise; descend 10 ft.
41.90
45.00
           Flat.
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1st Guide Meridian E., Through Tps. 5 N., Between Rs. 4 & 5 E. 3
               Wash, 20 lks. wide, course W.
Wash, 30 lks. wide, course SW.
Wash, 15 lks. wide, course SW.
Wash, 8 lks. wide, course SW; leave flat.
Wash, 20 lks. wide, course W.
Wash, 5ft.bank, 13 lks.wide, course W.
Wash, 10 lks. wide, course W.
Difference between measurements of 80.00 chs., by two sets of chainmen is 12 lks., position of middle point

By 1st set, 80.06 chs.

By 2nd set, 79.94 chs.; the mean of which is
Set a granite stone, 15x8x8 ins., 10 ins.in the ground, for for. of secs. 19, 24, 25 and 30, marked with 2 grooves on S.
and 4 grooves on N. face; from which
Chains
 49.80
 60.00
 63.00
 65.00
 70.00
 77.10
 79,80
  80,00
                    and 4 grooves on N.face; from which A palo verde, 12 ins.diam., brs.N.62°14'W., 49 lks.dist. marked T 5 N R 4 E S 24 B T
                        A palo verde, 10 ins. diam., brs. S. 26°03 W., 178 lks. dist.
marked T 5 N R 4 E S 25 B T
A palo verde, 5 ins. diam., brs. N. 41°30 E., 108 lks. dist.,
marked T 5 N R 5 E S 19 B T
A palo verde 2 ins. diam.
                        A palo verde, 8 ins.diam., brs.S.74°02'E.,87 lks.dist.,
marked T 5 N R 5 E S 30 B T
                                    Magnetic declination, N. 14° 35' E.
                Land, rolling and level.
                 Soil, gravelly; 2nd rate.
                 Timber, palo verde.
                Undergrowth, greasewood, ocotillo, giant cactus. Rolling and level land, 80.00 chs.
               North, bet. secs. 19 and 24.
Road, Verde River, to Phoenix, brs.NE and SW.
     0.10
                 Top of ascent; descend
     4.90
                 Wash, 8 lks.wide, course SW; ascend Road, Camp Creek to Phoenix, brs. NE and SW.
     6.00
     9.05
                 Top of ascent; descend Wash, 10 lks. wide, course W; ascend
   11,90
   13.05
                 Top of ascent; descend
   17.90
                 Wash, 3 lks. wide, course W; descend Wash, 10 lks. wide, course W; ascend
   20.00
   23.50
                 Top of ascent; descend
Wash, 15 lks. wide, course W.
Wash, 15 lks. wide, course W; ascend
Top of rise; descend 25 ft.
   25.00
    27.10
    30.50
                 Difference between measurements of 40.00 chs., by two sets of chainmen, is 4 lks.; position of middle point.
    31.85
                 By 1st set, 40.02 chs.

By 2nd set, 39.98 chs.; the mean of which is

Set a porphyry stone, 15x12x10 ins., 10 ins.in the ground,
    40,00
                      for \frace; sec.cor., marked \frace; S 19 on E and 24 on W; face;
                      from which
                            A palo verde, 6 ins.diam., brs.N.35°55'E., 66 lks.dist. marked ‡ S 19 B T
                  A palo verde, 6 ins.diam., brs.N.27°10'W., 33 lks.dist.
marked $\frac{1}{2}$ S 24 B T

December 13,1910: At this $\frac{1}{2}$ sec.cor., Iset off 23°07'S on
the decl.arc; 33°46'N. on the lat.arc; and determine
                      a meridian with the solar, at 3 p.m., l.m.t.
                  Top of slope; descend
Wash, 8 lks. wide, course W; ascend
Top of ascent; descend
Wash, 30 lks. wide, course W; ascend
    41.00
    41.90
    45.00
    48.30
                   Top of ascent; descend
    49,20
                  Wash, 8 lks. wide, course E; ascend 15 ft.
    49.80
     53.00 Top of ascent; descend
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Chains
               Wash, 20 lks. wide, course W; descend Wash, 10 lks. wide, course SW; ascend Top of slope, brs. NE and SW; descend 8 ft.
 54.90
 56.50
 57.90
 62.30
               Wash, 8 1ks. wide, course W; ascend
               Top of ascent; descend
Wash, 10 lks. wide, course W; ascend
Top of slope; descend
Wash, 8 lks. wide, course W; ascend
 63.00
 63.90
 66.00
 67.00
 68.80
               Top of ascent; descend
               Wash, 1 chain wide, course W; ascend
 71.00
 74.00
               Top of flat; descend (
              Difference bet.measurements of 80.00 chs., by two sets of chainmen, is 12 lks; position of middle point

By 1st set, 80.06 chs.

By 2nd set, 79.94 chs.; the mean of which is

Set a porphyry stone, 18x12x12 ins., 12 ins. in the ground for cor. of secs. 13, 18, 19 and 24, marked with 3 notches on N and S edges; from which

A palo verde, 3 ins. diam., brs. S. 87°50 E., 74 lks. dist. marked T 5 N R 5 E S 19 B T

A palo verde. 8 ins. diam., brs. N. 41°15 W. 254 lks. dist.
 80.00
                      A palo verde, 8 ins. diam., brs. N.41°15'W., 254 lks. dist. marked T 5 N R 4 E S 13 B T
                        A palo verde, 5 ins.diam., brs.S.70°20'W., 181 lks.dist. marked T 5 N R 4 E S 24 B T
                         A palo verde, 5 ins.diam., brs.N.64°40'E., 205 lks.dist.
                             marked T 5 N R 5 E S 18 B T
                                  Magnetic declination, N. 149 35' E.
               Land, rolling.
               Timber, mesquite, palo verde; catclaw, giant cactus,
                   ocotíllo.
               Soil, gravelly; 1st and 2nd rate.
               Rolling land, cut by washes, 80.00 chs.
                                                                                    December 13, 1910.
                .
Form duright god and god god god day dat god for his profess duright duright day day and now have been seen with an ex-
               North, bet. secs. 13 and 18.

Over rolling land, descending

Wash, 10 lks/ wide, course W; ascend

Top of ascent, brs. E, and W; descend

Wash, 10 lks, wide, course W; ascend
   2.50
   3.00
              Wash, 10 lks. wide, course W; ascend Top of ascent, brs. E and W; descend Wash, 12 lks. wide, course SW; descend Wash 10 lks. wide, course Sw; ascend Top of ascent, brs. NE and SW; descend Wash, 10 lks. wide, course W; ascend Topof ascent; descend Wash, 12 lks. wide, course SW. Wash, 20 lks. wide, course SW; ascend Top of ascent; brs.NE and SW; descend
   3.90
9.70
 19.90
 12.15
 15.00
 17.00
 19.10
 22.00
 28,00
               Top of ascent, brs.NE and SW; descend
 31.00
 34410
               Bottom of flat.
               Leave flat.
 36.00
               Wash, 20 lks. wide, course E
 38.00
               Difference bet.measurement of 40.00 chs., by two sets of
                   chairmen, is 10 1ks.; position of middle point By 1st set, 40.05 chs.
By 2nd set, 39.95 chs.; the mean of which
                                                                        the mean, of which is
              Set a norphyry stone, 15x12x8 ins., 10 ins.in the ground for 

† sec.cor., marked † S 13 on W and † S 18 on E.face;
 40,00
                   from which
                         A palc verde, 5 ins.diam., brs.N.66°03'E.,130 lks.dist. marked ‡ S 18 B T
                         A palo verde, 4 ins.diam., brs.N.70°15 W., 35 lks.dist.
                             marked & S 13 B T
 43.00 Ascend 15 ft.
               Top of ascent; descend Wash, 10 lks. wide, course W; ascend
 45.00
               Top of ascent; descend
 46.10
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1st Guide Meridian East, Through Tps. 5 N., Between Rs. 485E
Chains
                   Wash, 8 lks. wide, course W; ascend Descend gradually over flat; enter wash, 10, lks. wide,
  47.30
  56.20
                        course SSW.
  58.40
                   Leave wash, ascend,
                  Wash, 6 lks. wide, course E. Wash, 10 lks. wide, course W. Same wash, course E.
  60,90
  63.50
  66.00
                   Same wash, course W; ascend
  69.20
                  Top of ascent, brs E and W; descend
Bottom of descent, wash, 10 lks.wide, course SW; ascend
Difference bet.measurements of 80.00 chs., by two sets of
  71.00
  72.00
                  chainmen is 12, 1ks.; position of middle point

By 1st set, 80.06 chs.

By 2nd set, 79.94 chs.; the mean of which is

Set, a porphyry stone, 14x10x4 ins., 9 ins. in the ground for cor. of secs. 7, 12, 13 and 18, marked with 2 notches on N. and 4 notches on S. edge; from which
  80.00
                              A palo verde, 6 ins.diam., brs.N.80°05'E., 61 lks.dist. marked T 5 N R 5 E S 7 B T
                              A role werde, 4 ins.diam., brs.N.59°26'W.,191 lks.dist. marked T 5 N R 4 E S 12, B T
                              A palo verde, 4 ins.diam., brs.S.76°35'W., 123 lks.dist. marked T 5, N R 4 E S 13 B T
                              A palc verde, 14 ins.diam.brs.S.51°40'E/,200 lks.dist. marked T 5 N R 5 E S 18 B T
                  Land, rolling.
                  Soil, gravelly; 2nd and 3rd rate.
                 Timber, pale wards, grands wood, giant cactus, occillo.
Rolling land, ascents and descents, 10 to 25 ft, 80.00 chs.
                  North, bet. secs. 7 and 12.
                  Over rolling, gravelly land.
                 Top of ascent, brs. E and W; descend
Wash, 10 lks. wide, course W.
Wash, 1 ch. wide, course W; ascend
Top of ascent, brs. E, and W; wash, 12 lks. wide, course W.
Wash, 5 lks. wide, course W; ascend
Top of ascent, brs. E and W; descend
Wash, 5 lks. wide, course W; ascend
Top of ascent, brs. E and W; descend
   0.70
   2.80
   6.90
   9.00
 10.10
 19.00
19.50
                 Top of ascent; descend
20.00
                 Wash, 75 lks. wide, course SW; descend Wash, 5 lks. wide, course W; ascend Top of ascent, brs. E and W; descend Wash, 3 lks. wide, course SW.
25.00
35.40
36.20
38.80
                 Difference bet measurement of 40.00 chs., by two sets of
                chainmen is 8 lks.; position of middle point

By 1st set, 40.04 chs.

By 2nd set, 39.96 chs.; the mean of which is

Set a porphyry stone 15x8x6 ins., 10 ins. in the ground for t sec.cor., marked t S 7 on E.and t S 12 on W.face; from
40.00
                      which
                which
A palo verde, 12 ins.diam., brs.S.61°40'W., 46 lks.dist.
marked $\frac{1}{2}$ $ 12 B T
A palo verde, 4 ins.diam., brs.S.78°20'E., 73 lks.dist.
marked $\frac{1}{2}$ $ 7 B T

December 14,1910: At this $\frac{1}{2}$ sec.cor., I set off 23°11'Son
the decl.arc; and at 1lh 54m, a.m., l.m.t., observe the
sun on the meridian, and obtain on the lat.arc, the read-
ing. 33° 47'N which agrees with other data.
                ing, 33° 47'N which agrees with other data. Top of ascent, brs.E and W; descend Wash, 12 lks, wide, course W; ascend Top of ascent, brs. E and W; descend Work 5 lks wide course W; ascend
41.10
42.20
43,30
               Wash, 5 lks. wide, course W; ascend Top of ascent, brs. E and W; descend Wash, 5 lks. wide, course W; ascend Top of ascent, brs. E and W; descend Wash, 10 lks. wide, course W. Wash, 3 lks. wide, course W.
44.20
46.10
49.60
51.10
52.20
                Wash, 3 lks. wide, course W. Wash, 5 lks. wide, course w; ascend
54.00
56.00
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1st Guide Meridian E. Through Tps. 5 N., Bet. Rs. 4 and 5 E.
Chains
             Top of ascent, brs. E and W; descend. Wash, 20 lks. wide, course SW; ascend Top of ascent, brs. NE and SW; descend
 61.00
 69.00
             Wash, 20 lks. wide, course SW; ascend. Top of ascent, brs.NE and SW; descend Wash, 10 lks. wide, course SW; Wash, 150 chg.
 69.50
 71.10
 72.20
 75.30
             Wash, 1.50 chs.wide, course SW Difference bet.measurement of 80.00 chs., by two sets of
 76.50
             chainmen, is 10 lks.; position of middle point

By 1st, set, 80.05 chs.

By 2nd set, 79.95 chs.; the mean of which is

Set a porphyry stone, 15x8x6, ins., 10 ins.in the ground for
 80,00
                 cor. of secs.1,6,7 and 12, marked with 1 notch on N and 5 notches on S. edge; from which
                      A palo verde, 4 ins.diam., brs.S.23°25'E., 235 lks.dist. marked T 5 N, R 5 E S 7 B, T
                      A palo verde, 3 ins.diam., brs.N.30°35'W.,148 lks.dist. marked T 5 N R 4 E S 1 B T
                      A palo verde, 6 ins.diam., brs.N.42°30'E., 188 lks.dist.
marked T 5 N R 5 E S 6, B T
                      A palo verde, 4 ins.diam., brs.S.78°00'W.,197 lks.dist.
marked T 5 N R 4 E S 12, B T
                               Magnetic declination, N. 14° 35' E.
              Land, rolling.
              Soil, gravelly; 2nd and 3rd rate.
              Timber, palo verde.
              Undergrowth, ocotillo, giant cactus.
Rolling land, cut with washes; ascents and descents from 10 to 25 ft., 80.00 chs.
              North, bet. secs. 1 and 6
              Over rolling land, ascending
              Top of ascent, brs. E and W; descend 10 ft. Wash, 10 lks. wide, course W; ascend 10 ft. Top of ascent, brs. E and W; descend Wash, 6 lks. wide, course W; ascend Top of ascent brs. E and W; descend Top of ascent brs. E and W; descend ft.
   4.75
   9.00
  10.10
  13.15
  18.00
              Top of ascent, brs. E and W; descend 6 ft.
              Wash, 8 lks. wide, course W; ascend
  20.15
              Top of ascent, brs. E and W; descend. Wash, 10 lks. wide, course W; ascend Top of ascent, brs. E and W; descend
  21.05
  22.00
  23.50
              Wash, 5 lks. wide, course W; ascend Top of ascent, brs. E, and W; descend
  25.00
              Flat, 2 chs. wide, brs. W.; ascend
Top of ascent, brs. E and W; descend
Road, Fort McDowell to Cave Creek, brs. NW and SE.
  26.00
  28.40
  32.00
  32.50
              Wash, 8 lks. wide, course SW; descend
Difference bet.measurement of 40.00 chs., by two sets of
  33.00
              chainmen, is 8 lks.; position of middle point

By 1st set, 40.04 chs.

By 2nd set, 39.96 chs.; the mean of which is

Set a quartz stone, 14x10x6 ins., 9 ins.in the ground for
  40.00
                  $ sec.cor., marked $ S 1 on W and $ S 6 on E face; from
                 which
                       A palo verde, 6 ins.diam., brs.N.69°20'E.,82 lks.dist. marked ‡ S 6 B T
                       A palo verde, 4 ins.diam., brs. N. 28°30'W., 91 lks.dist.
                           marked & S 1 B T
                                Magnetic declination, N. 14° 35' E.
              December 14,1910: At this 1 sec.cor., at 3 p.m., l.m.t., I set off 23°11'S, On the decl.arc; 33°48'N. on the
                  lat.arc; and determine a meridian with the solar
               Thence descend
               Wash, 12 lks. wide, course SW.
   45.50
               Wash, 5 lks. wide, course SW. Wash, 5 lks. wide, course W Wash, 8 lks. wide, course SW
   47.15
   50,00
   58.00
               Wash, 6 lks. wide, course SW.
   61.00
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. 1st Guide Meridian E?Through Tps:5 N., Bet.Rs.4 and 5 E.
              Enter wash, 10 lks. wide, course SW Leave wash, 10 lks. wide, course SW; ascend
  69.50
  71.15
  71.85
              Top of ascent, brs. NE and SW.; descend Wash, 15 1ks. wide, course NW.
  73.00
              Difference bet.measurement of 80.00 chs., by two sets of
 chainmen, is 8 lks.; position of middle point

By 1st set, 80.04 chs.

By 2nd set, 79.96 chs.; the mean of which is

80.00 Set a porphyry stone, 18x4x5 ins., 12 ins.in the ground for
                 cor. of Tps. .5 and .6 N., Rs. 4 and 5 E., marked with .6 notches on each edge; dig pits 24x24x12 ins., on each line, N., E., and W., 4 ft., and S. of stone, 8 ft. dist.; and
                 riase a mound of earth, 5 ft. base, 21 ft.high, S.of
              Land, rolling.
              Soil, gravelly; 2nd rate.
              No timber.
              Undergrowth, palo verde, greasewood, giant cactus,
                 ocotillo.
              Rolling land, cut with washes, ascents and descents from 10 to 25 ft., 80.00 chs.
                                                                           December 14, 1910.
        1st Guide Meridian E. Through Tps. 6 N., Bet. Rs., 4 and 5 E.
             From the cor. of Tps. 5 and 6 N., Rs., 4 and 5 E., I run
             North, bet. secs. 31 and 36.
             Over rolling land, ascending
            Top of ascent, brs. E and W; descend 12 ft.
Bottom of descent; draw, 12 lks. wide, course W; ascend
Top of ascent, brs. E and W; descend
  2.10
  9.55
11.25
12.05
             Descend 9 ft.
            Wash, 15 lks. wide, course W; ascend Top of ascent, brs. E and W; descend 10 ft. Wash, 10 lks. wide, course W; ascend Top of ascent, brs. E and W; descend Wash, 15 lks. wide, course W; ascend Top of ascent, brs. E and W. Descend
16.20
19.85
21.07
24,00
26,00
30.00
             Descend
31.00
33.18 Bottom of descent; gulch 34.12 Wash, 15 lks. wide, course W 38.00 Wash, 10 lks. wide; course W.
             Difference bet.measurement of 40.00 chs., by two sets of
           chainmen, is 8 lks.; the position of middle point

By 1st set, 40:04 chs.

By 2nd set, 39.96 chs.; the mean of which is

Set a paloverde post 3 ft.long, 3 ins.sq., 24 ins.in the

ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ S. 31 on E.face and
                36 on W.face; from which
                     A palo verde, 4 ins.diam., brs.S.61°05'E.,82 lks.dist. Marked ‡ S 31 B T
                     A palo verde, 4 ins.diam., brs.S.72°04'W., 92 lks.dist. marked & S 36 B T
                              Magnetic declination, 14° 35' E.
            Top of ascent, brs. E and W; descend Wash, 20 lks. wide, course W.; ascend Top of ascent, brs. E and W.
45.11
47:15
48.00
            Descend
50.25
            Bottomof descent; draw, course W; ascend
            Top of ascent, brs. E and W; descend Wash, 50 lks. wide, course W; descend Wash, loo lks. wide, course W; ascend Top of ascent, brs. E and W; descend
51.12
52.00
54.00
58.00
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8

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Chains
            Wash, 10 lks, wide, course w; ascend
Top of ascent, brs. E and W; descend
Wash, 10 lks. wide, course W; ascend
Top of ascent, brs. E and W; descend
Wash, 30 lks. wide, course W; ascend
Top of ascent, brs. E and W; descend
Wash, 1 ch. wide, course W; leave gravelly ground, enter rocky land
 60.18
 61.22
 63.00
 65.11
 66.27
 68.12
 71.00
             Wash, 30 lks. wide, course W; ascend Steep ascent, 40 ft.
 72,00
 75.92
             Difference bet measurement of 80.00 chs., by two sets of
                chainmentis 12 lks.; position of middle point
By 1st set, 80.06 chs.
By 2nd set, 79.94 chs.; the mean of which is
 80,00
             Set a slate stone, 16x10x6 ins., 11 ins.in the ground for
                cor. of secs. 25, 30, 31 and 36, marked with 1 notch on S.
                and 5 notches on N.edge; 6 N on NE face; 5 E on SE face
                4 E on SW face; from which
A palo verde, 3 ins.diam., brs.S.10°40'W., 263 lks.dist.
marked T 6 N R 4 E S 36 B T
                     No other trees available.
                     Raise a mound of stone, 2 ft. base, 1\frac{1}{2} ft. high, W. of cor.
             Land, rolling.
             Soil, gravelly and rocky; 2nd, 3rd, 4th rate. No timber.
             Undergrowth, palo verde, prickly pear, giant cactus.
            Rolling and rocky land, 80.00 chs.
             North, bet. secs. 25 and 30
            Over steep and rocky ground, ascending Top of ascent, brs. No and SW; descend 75 ft., steeply. Bottom of descent; draw, 10 lks, wide, course SW; ascend
  8.33
 16.12
 20.00
             Along draw.
            Ascend steeply 75 ft. over rocky and mountainous land, extremely difficult. Leave draw.
 29.00
             Top of ascent; descend steeply 25 ft.
 35.35
            Bottom of descent; ascend
 37.13
             Difference bet measurement of 40.00 chs., by two sets of
            chainmen, is 16 lks.; position of middle point

By 1st set, 40.08 chs.

By 2nd set, 39.92 chs.; the mean of which is

Set a granite stone, 18x12x6 ins., 12 ins.in the ground for 4 sec.cor., marked 4 S 25 on W and 30 on E.face; and raise a mound of stone, 2 ft.base, 12 ft.high, W.of
 40,00
                cor.
            Magnetic declination, N. 14° 35' E.

December 15: At this ‡ sed.cor., at llh 55m a.m.l.m.t., I set off 23 14½ S on the decl.arc; observe the sun on the meridian, and obtain on the lat.arc.the reading.

33°50'N which agrees with other data.
                              Magnetic declination N. 14° 35' E.
            Thence ascend, Top of ascent; descend 125 ft., steeply.
42.50
             Bottom of descant; wash, 1 ch. wide, course SW
 49.25
            Ascend steeply, 50 ft.

Top of ridge, brs. NE and SW; descend

Bottom of descent; ascend steeply 150 ft., through dense
50.25
 55.95
 57.98
                ocotillo.
                                      brs.NE and SW; descend steeply 200 ft.
             Top of ascent,
 66,00
             Bottom of descent; wash, 10 lks. wide, course SW; ascend
 76.00
            Difference bet measurement of 80.00 chs., by two sets of chainmen, is 20 lks.; position of middle point
                     By 1st set, 80.10 chs.
By 2nd set, 79.90 chs.; the mean of which is
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Chains
           Set a porphyry stone, 18x8x8 ins., 12 ins.in the ground for
80,00
              cor.of secs.19,24,25 and 30, marked with 2 notches on
              the S.and 4 notches on N edge; from which
                  A palo verde, 4 ins.diam., brs.N.50°W., 15 lks.dist., marked T 6 N R 4 E S 24 B T
                  Raise a mound of stone, 2 ft.base, 1 ft.high, W. of cor.
                  No other bearing trees available.
           Land, mountainous and rocky. Soil, rocky, 3rd, 4th and 5th rate.
           No timber.
           Undergrowth, cactus, scrub palo verde, cholla and ocotillo
          Mountainous and rocky land, exceptionally difficult to
              survey, 80.00 chs.
            .
          North, bet. secs. 19 and 24.
          Over mountainous and rocky land, ascending
          Top of ascent 150 ft.; descend
 3.29
         Bottom of descent, wash, 10 lks. wide, course WS Wagon road, brs. NE and SW.
  6.09
  8.00
  9.75
                           ascend 100 ft.
          Top of ascent; descend
Bottom of descent; ascend
Top of ridge, brs.E and W; descend 100 ft.
13.15
23.85
26.50
32.85
          Bottom of descent; wash 1 ch.wide, course W; ascend 75 ft.
36.90
          Top of ascent; descend 50 ft.
          Wash, 1 ch.wide, course SW by S
Difference bet.measurement of 40.00 chs., by two sets of
38.00
             chainmen, is 12 lks.; position of middle point By 1st set, 40.06 chs.
          By 2nd set, 39.94 chs., the mean of which is Point for \frac{1}{4} cor. sec.24 falls in wash.
40.00
          Set a porphyry stone, 15x6x4 ins., 10 ins.in, the ground for wit. 2 sec.cor., marked 2 S.24 W C on Wandace, and raise a mound of stone, 2 ft. base 12 ft. high W. of cor.
39.75
          Magnetic declination, N. 14° 30' E.
December 15,1910: at this \( \frac{1}{2} \) sec.cor., at 3 p.m., l.m.t., I
set off 23°14'30" \( \frac{1}{2} \) on the decl.arc; 33°51' \( \frac{1}{2} \) on the
             lat.arc; and determine a meridian with the solar.
          Leave wash, ascend steeply.
Top of ridge, brs. E and W; descend
40.50
43.50
46.10
          Bottom of descent; ascend steeply 150 ft. Road, brs. E and W.
54.90
56.05
          Gold Hill road, brs. E and W.
60.00
          Top of W. slope
                                             , brs. E and W; descend steep W.
             slope.
          Bottom of descent; Oriental wash, course SW.
Leave Oriental wash; ascend steep 200 ft. slope.
70.15
71.50
74.90
          Top of ascent; descend steep E. slope.
          Difference bet.measurement of 80.00 chs., by two sets of
             chainment, is 24 lks.; position of middle point By 1st set, 80.12 chs.
By 2nd set, 79.88 chs., the mean of which is
00.08
          A cross (X) on a porphyry rock in place, 12x18x18 ins.above
            ground, for cor.of secs.13,18,19 and 24, marked with 3 grooves on S and N.faces; and raise a mound of stone, 2ft.base, 12 ft.high W.of cor.
                        Magnetic declination, N. 14° 35' E.
          Land, mountainous.
         Soil, rocky; 4th and 5th rate. No timber.
          Undergrowth, scrub mesquite and palo verde.
         Mountainous land, rocky, steep ascents and descents and exceptionally difficult to survey, 80.00 chs.
                                                            December 15, 1910.
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40.00

North, bet. secs. 7 and 12. Over steep slate slope of continental mountain, ascending 1500 ft. rise.

1.75

Bottom; ascend along W side of N and S ridge Top of 1¢dge, brs. NW and SE; ascend Difference bet.measurement of 40.00 chs., by two sets of 19.25 chainment, is 20 lks.; position of middle point By 1st set, 40.10 chs.
By 2nd set, 39.90 chs., the mean of which is

On S.face of rocky, slate cliff, a cross (X) on a slate ledge in place, 12x12x24 ins. above ground, for \$\frac{1}{2}\$ sec.cor., marked \$\frac{1}{2}\$ S 7 on \$E\$ and and 12 on \$W\$ face; and raise a mound of stone, 2 ft. base, \$1\frac{1}{2}\$ ft. high, \$W\$. of cor.

December 16,1910: At this \$\frac{1}{2}\$ sec.cor., at 3 p.m., 1.m.t., I set off 23°17' \$\frac{1}{2}\$ on the decl.arc; 33°52'30"Non the lat.arc, and determine a meridian with the solar.

Chains Thence ascend steep slope of Continental mountain to top. 45.50 Top pf East Peak of Continental Mountain, brs. NW and SE. Descend NE slope of Continental Mountain, through dense scrub oak 1400 ft. to bottom. Difference bet.measurement of 80.00.chs., by two sets of

chainmen is 10 lks.; position of middle point

By 1st set, 80.05 chs.

By 2nd set, 79.95 chs., the mean of which is

80.00 Set a slate stone, 20x6x4 ins., 13 ins.in the ground, for cor. of secs.1,6,7 and 12, marked with 1 notch on N. and 5 notches on S. edge; and raise a mound of stone, 2 ft. base, 1½ ft. high, W. of cor.

Land. mountainous.

Land, mountainous.

Soil, rocky; 4th and 5th rate. No timber

Undergrowth, scrub oak, scattered mesquite and Spanish

hayones.

Very mountainous land, rocky, steep slopes; very steep ascents and descents, or land covered with dense undergrowth, and exceptionally difficult to survey, 80.00 chs.

December 16, 1910.

North, bet. secs. 1 and 6. Over mountainous land, descending to foot of Continental Mountain.

6.00 Draw, course NW; descend

Bottom of descent; wash 45 lks. wide, course SE; ascend 24.80 40 ft.

26.00

Top of ascent, brs. E and W; descend 50 ft, Bottom of descent; wash, 50 lks. wide, course W; ascend 28.18 steeply 200 ft.

Top of ascent, brs. E and W; descend 100 ft. on W. slope. Difference bet.measurement of 40.00 chs., by two sets of 37,00

chainmen is 20 lks.; position of middle point

By 1st set, 40.10 chs.

By 2nd set, 39.90 chs., the mean of which is

Set a porphyry stone, 15x12x6 ins., 10 ins.in the ground for

\$\frac{1}{2}\$ sec.cor., marked \$\frac{1}{2}\$ S 1 on W face and 6 on E face; from 40.00 which

A juniper, 6 ins.diam.brs.S.4°10'E.295 lks.dist., marked ‡ S 6 B T

No other trees available.

Raise a mound of stone, 2 ft.base, 12 ft.high, W. of cor.

Draw, course SW; ascend 250 ft. 43.20 48.25

Top of ridge, rhyolite dyke, brs.N.512°E,S.512°W; desc.40 ft. Bottom of draw, ascend 150 ft. 49.50

Top of ascent, ridge brs.SW and NE; desc.150 ft.through dense scrub oak. 55.20

62.75

Bottom of draw, course W; ascend 100 ft. Top of ridge, brs. E and W; descend 50 ft. 70.00

Bottom of descent; draw, course SW; ascend 100 ft. 71.50

74.25

Top of ascent, brs. SW and NE; descend 100 ft.
Bottom of descent; draw, course SW; ascend 75 ft.
Difference bet.measurement of 80.00 chs., by two sets of 78.15 chainmen is 20 lks.; position of middle point

By 1st set, 80.10 chs.

By 2nd set, 79.90 chs., the mean of which is

Set a quartzite stone, 14x10x10 ins., 9 ins.in the ground

for cor. of Tps. 6 and 7 N., Rs. 4 and 5 E., marked with 6

notches on each edge; 6 N on SW; 7 N on NE; 4 E on NW 5 E on SE faces; and raise a mound of stone, 2ft.base, 1½ ft.high, S. of cor.

Magnetic declination, N. 14° 15' E.

Chains

Land, mountainous. Soil, rocky; 4th and 5th rate.

No timber.

Undergrowth, scrub oak; Spanish bayonet.

Very mountainous land, rocky, steep ascents and descents, or land covered with dense undergrowth and exceptionally difficult to survey, 80.00 chs.

December 17,1910:At the Cor. of Tps.6 and 7 N., Rs.4 & 5 E, I set off 23°20 on the decl. arc; and at llh56m.p.m., 1.m.t., observe the sun on the meridian, and obtain on the lat. arc the reading, 33°54', N which agrees with other data.

December 17, 1910.

GENERAL DESCRIPTION.

Township 5 North, Range 4 East, is a rolling desert, cut by many washes and dry runs; drainage, Southwest. Has a couple of peaks in central portion. North boundary is mountainous, well covered with scrub palo verde, catclaw, mesquite, ocotillo, Spanish bayonet, giant cactus, greasewood and ironwood. There is no water. Soil, a gravelly, decomposed granite, heavy in feldspar.

Township 6 North, Range 4 East, is rolling along the Southeast portion, cut by washes; drainage Southwest. Northern portion of Guide Meridian is mountainous. No water. Soil gravelly and rocky. The formation is slate, porphyry, granite, lime, intermixed and standing on end, and is greatly broken up. No timber. Undergrowth is scrub mesquite, scrub oak, palo verde and giant cactus.

December 17, 1910.

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

/ /	
A list of the names of the individuals employed by	les con
, United States Deputy Surveyor, to assis	st in running, measuring, and
marking the lines and corners described in the foregoing field notes of the su	urvey of the first
quide Miretean East through for. 5	
showing the respective capacities in which they acted:	•
5 Willy.	, Chainman.
6 6 15 au	, Chainman.
Leage a Hand.	, Moundman,
I Phase.	chamman
11 4 1	
a de mura	, Axman.
Cleve moore	, Aamen.
Cendra Scheringson!	, Flagman.
FINAL OF ASSISTANTS.	. A
We hereby certify that we assisted	Warner .
, United States Deput	ty Surveyor, in surveying all
those parts or portions of the	
Tyend Lendo menchan	and
The Tierfe North	
THE STATE OF THE S	
- CONCINE	
	of the
245 P D Fridian, Fritary of Myon	
in the foregoing field notes as having been surveyed by him and under his dir	which are represented rection; and that said survey
in the foregoing field notes as having been surveyed by him and under his dir has been in all respects, to the best of our knowledge and belief, well and	rection; and that said survey faithfully surveyed, and the
in the foregoing field notes as having been surveyed by him and under his dir has been in all respects, to the best of our knowledge and belief, well and corner monuments established, according to the instructions furnished by	rection; and that said survey faithfully surveyed, and the
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in the foregoing field notes as having been surveyed by him and under his dir has been in all respects, to the best of our knowledge and belief, well and corner monuments established, according to the instructions furnished by General for Andrew Barry Source Company of Many of	rection; and that said survey faithfully surveyed, and the the United States Surveyor , Chainman. , Chainman. , Moundman.

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

// $/$ $/$ $/$	
I, Classelettom	, United States Deputy Surveyor, do
solemnly swear that, in pursuance of a contract received i	from Trank Sugallo
United States Surveyor General for Commande	• • • • • • • • • • • • • • • • • • • •
day of	
proper person, and in strict conformity with the instruct	•
General for City on a , the Manua	
United States, surveyed all those parts or portions of	HE HAD COLLET
Furt Linde Mendean Far	1 Dun 1506 N
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	<i>f</i> = 5
<u> </u>	of the
meridian, in the Konton of	which are represented in the
foregoing field notes as having been surveyed by me, and	/ 1
swear that all the corners of said survey have been estable	_
the Manual of Surveying Instructions, and the special wri	•
General for Consona and in the speci	fic manner described in the field notes, and that
the foregoing are the original field notes of such survey.	
· · · · · · · · · · · · · · · · · · ·	Lacele Herm
	United States Deputy Surveyor.
0 0 1	
Subscribed by said Roscoe Warn, and s	worn to before me)
Subscribed by said Roscoe C Ham, and s this 1st day of Tebruan, 19	
this day of day of this, 18	
	Milledge
<u> φοσοφοφ</u>	Milling
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