Stew 9. Stesse, United States Deputy

Detroit No. 150, dated October 10.

2121

NAMES AND DUTIES OF ASSISTANTS.

Harry S. Angalls.	Chairman
Wilfred B. Helm	Chainman
norman Oliver.	Chauman
Fred W. Rodolf	Chainman
a. a. Saunders	Plagman
	
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12 1B

First Standard Parallel North.

Range 3 West. 31 32 33 34 35 36 Range 4 West 31 32 33 34 35 36 Range 5 West 31 32 33 34 35 36 Range 7 West. 31 32 33 34 35 36 Range 9 West 31 32 33 34 35 36 Range 10 West 31 32 33 34 35 36 Range 11 West 32 33 34 35 36 Range 12 West 31 32 33 34 35 32 33 34 35 36 Range 16 West 31 32 33 34 35 36 Range 16 West 31 32 33 34 35 36 Range 17 West 31 32 33 34 35 36 Range 18 West 31 32 33 34 35 36 Range 18 West 31 32 33 34 35 36 Range 18 West 31 32 33 34 35 36 Range 18 West 31 32 33 34 35 36 Range 18 West 31 32 33 34 35 36 Range 18 West 32 33 34 35 36 Range 18 West 31 32 33 34 35 36 Range 19 West 31 32 33 34 35 36 Range 19 West 31 32 33 34 35 36 32 33 34 35 36 Range 19 West 31 32 33 34 35 36 32 33 34 35 36 Range 19 West 33 34 35 36 34 35 36 35 36 36 37 38 38 37 38 38 38 38 38 38 38 39 30 30 30 30 30 30 30	31./	³² 3 +	2 33	234	3 5	36/
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Meanders Page.....

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PRELIMINARY OATHS OF ASSISTANTS.

WE, Sarry & Agalla Wilhed B. J	Helm and Norman Cliver and And W. Rodoff
do solemnly swear that we will well and faithfully	execute the duties of chainmen; that we will level the
chain upon 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 obj	jects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, and in	n accordance with instructions given us in the survey of
the Pirst Standard Parallel Worth ?	through ago 3 to 20 W incl.
	Harry I Ingalls Chainman.
	Offished & Helm, Chainman.
Subscribed and sworn to before me this 5 the day of Weller, 190 7	Troman Gling
day of December 190 7	The state of the s
,,,	M. E. Leverich.
SEAL W	$\Omega + \Omega U$
My commission expires March 29, 1910	Morary Public
WE,	and
	erform 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
	, and the survey of
	, Moundman.
•	$\cdots, Moundman.$
- 	
Subscribed and sworn to before me this	(
day of, 190	-
· REFER	
₩ SEAL W ********	
	and
	rm the duties of axmen in the establishment of corners
and other duties, according to instructions given us	s, to the best of our skill and ability, in the survey of
	, Axman.
	, Axman.
Subscribed and sworn to before me this	· · · · · · · · · · · · · · · · · · ·
day of, 190	
, 100	,
SEAL (
I a Roberta	, do solemnly swear that I will well and truly
nowform the duties of the second is the second in the seco	do solemnly swear that I will well and truly
perform the duties of nagman according to instructi	ons given me, to the best of my skill and ability, in the
survey of the 1 Standard Varallel	Mostly through Ago 3 to 20 W well.
	C.R. Samaders, Flagman.
	Flagman.
Subscribed and sworn to before me this	-)
day of Alceluber, 1908	
273-77-17-18	John P. Hesse U.S. aputy Surveyor
WEEL W	118 Moderte Since
6—151	1. v. napury Juweyor
to notary available without gr	eatexpense and loss of time
	, and and

First Standard Parallel North, through Range 3 West

Survey commenced December 7,1908, and excuted with a Young and sens light mountain transit, No. 7532, with a selar 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 declinat ion arcs.

The instrument was examined, tested on the true mer idian at Phoenix, found correct, and approved by the Su Surveyor General for Arizona.

I examine the adjustments of the transit and find them correct; then, to test the solar apparatus, by comp aring indications, resulting from solar observations made during a. m. and p. m. hours, with a meridian det-

ermined by observations on Polaris, I proceed as follows
At the Standard cor. of Tp..5 N., Rgs. 2 and west,
la titude 33° 43' 27" N., longtitude 112° 30'55" W. I set
off 33° 43' 30" N., on the lat. arc; 22° 37' 00" S., on te the decl arc; and at 3 p. m., l. m. t., determine with the selar a meridian and mark a point thereof, on a ston stone firmly set in the ground, 5 chs.N.of the cor. December 7,1908.

December 8; At 2 h. 11.5 m., a. m. by my watch, which has correct l. m. t., I observe Pelaris at Western eleng ation, in accordance with the Manual of Instructions, an and mark a point in the line thus determined, on a peg

driven in the ground 5 chs. N. of my station.

At 6 a. m., k. m. t., I lay off the azimuth of Polaris, 1° 25' 30" to the east, and mark the meridian thus determined, by cutting a small grove in the steme set December 7, on which the meridian coincides with the one determined by the selar.

At 8 a. m., l.m.t., I set off 35° 43' 30" N. en the lat. arc; 22°4D's.on the decl.arc; and mark a point in the meridianithus determined with the selar, by a cr cress on the ston already set 5 chs. N. of my station; this mark coincides with the meridian established by the pelaris observation.

The soalr apparatus, by a. m. and p. m., ebservation defines positions for meridians identical with the meridian established by the Pelaris observations; there fore, I conclude that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true meridian, at Sh. 30m., a. m., 1s N.14° 56' W.: the angle thus determined gives the mag.decl. 14° 56' E.

Diligent search along the First Standard Parallel North failed to reveal any signs of existing cors. West of the cor to Rgs. 2 and 3 West; therefore, from this cor, which is a mesquite past, marked and witnessed as described by the Surveyor General, I run west on the S. bdy.of sec., 36'

Leave mesquite timber, bears N. and S. Dry wash , 15 lks.wide, course S. enter heavy timber Leave timber, bears N.W. and S.E.

Difference between measurements of 40.00 chs.,by two sets of chairmen is 8 lks.; position of middle point By 1st set,40.04chs.

By 2nd set; 39.96chs. Set Perphyry stone 18 X 8 X8 ins., 1:2 ins.in the ground, for standard 1 sec.cor., marked SC 1 on W.face; dig pits 18 x 18 x 12 ins., E. and W. of stone 3 ft, dist.; and raise a mound of earth; 31/2 ft. base; 1,1/2 ft. high, N. of No trace of eld cer. cer.

9.00 20,25

31.73

40.00

First Standard Parallel North through Range 3 West.

chains wash 20 lks. wide, course S.E. 63.65 64.10 Old read hears N.W. and S.E. Difference between measurements of 80.00 chs.by two sets of chairmen, is 6 lks.; position of middle peint By 1st set, 79.97 chs By 2nd set, 80.03 chs.; the mean of which is Set a Perphyyyystone 18 x10 x 8 ins.,12 ins in the 80.00 ground, for standard cor. of secs. 35 and 36, marked SC on the N., with 1 grove on the E. and 5 groves on the W., face; dig pits 24 x 18 x 12 ins., cresswise on each line, E. and W., 3 ft., and N. of stone, 7 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, N. of cor. Land, Lavel. Soil, sandy loam and gravel; 3rd rate. Timber, we squite, Ironwood, paleverde, greasewood, and cactus Land covered with dense underbrush, 80.00 chs. west on S. bdy. of sec. 35. Over level ground, through dense greasewood brush 31.35 Road bears N.W. abd S.E. Difference between measurements of 40.00 chs.by two sets of chairmen, 4 lks.; position of middle point Ry 1st set, 4e.02 chs.

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

Set a malpais stone 18 x 12 x 12 ins., 12 ins. in the g

ground, for standard 1 sec. cer., marked SC 1 on N. face;

dig pits 18 x 18 x 18 ins., E. and W. of stone, 3 ft. dist 40.00 and raise a mound of earth, 3, 1/2 ft.base, 1, 1/2 ft.high, N. of cor. No trace of old cor.
Trail bears N. W. and S. E.
Wash 30 lks wide bears S.E. 49.55 60.20 78.00 Read bears N.W. and S.E. Difference between measurements of 80.00 chs.by two sets of chairmen is 8 lkm.; position of middle point By 1st, set 80cb4.chs. Ry 2nd set, 79.96 chs.; the mean of which is Set a limestone 18x.10 x 10 ins., 12 ins.in the ground, for standard cor. of secs. 34 and 35, marked SC on N., with 4 groves on the W. and 2 groves on the E. face; 80.00 dig pits 24 x 18 x 12 ins., cresswise on each line, E. and W., 3 ft., and N. of stone, 7 ft.dist.; and raise a mound of earth, 4 ft.base, 2 ft high, N. of cor. NO trace of old cer. Land, level. Soil, sandy leam and gravel: 3rd rate. Timber, scattering mesquite. Underbrush, memquite, cactus and greasewood. Land covered with dense underbrush 80.00 chs. West on S. bdy.of sec. 34. Over level land through dense greasewood brush, Difference between measurements of 40.00 chs., by two sets of chairmen 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 granite stone 20 x 10 x 6 ins., 15 ins. in the ground, for standard 1 sec. cer., marked SC1 en N. face; dig pits 18 x18 x 12 ins, E. and W. of stone, 3 ft. dist. 40.00 and raise mound of earth, 3,1/2 ft.base, 1,1/2 ft.high, N. of cer. No trace of eld cer. Wash 8 lks. wide bears S. 44.00 Wash 15 lks. wide bears S. Wash 40 lks wide bears S. 46.20 55.25

Old road bears N.W. and S.E.

63.25

First Standard Rarallel North through Range 3 West chains Difference between measurements of 80.00 chs.by two sets of chairmen, is 8 lks.; position of middle paint By 1st set,80.04 chs.

By 2nd set,79.96 chs.; the mean of which is set a malpais stene 18 x 14 x 12 ins., 12 ins. in the San 80.00 ground, for standard cor.of secs. 33 and 34, marked SC on N., with 3 groves on E. and 3 groves on W. face; dig pits 24 x 18 x 12 ins., crosswise on each line, E. and W.,3 ft., and N. of stone,7 ft. dist.; and raise a mound of earth, 4 ft. base,2 ft high, N. of cer. No trace of old cor. Land, level. Soil, sandyloam and gravel; 2nd and 3rd. rate. Timber, mesquite, ironwood and paloverde. Underbrush, greasewood. Land covered with heavy timber and dense underbrush, 80.00 chs. . December 8; at this cor. I set off 22° 44'Soan the decl.arc and observe the sun on the meridian at noon; to the resulting latitude is: 35° 43; 30" N. West on S. hdy. of sec. 33. Over level land and through dense greasewood brush Difference between measurements of 40.00 chs. by two sets of chairmen, is 4 lks.; position of middle point By 1st set, 39.98 chs. By 2nd set, 40.02 chs.; the mean of which is Set a malpais store 18 x 12 x 5 ins., 12 ins. in the 40.00 ground, for standard 4 sec.cor., marked SC4 on N.face; dig pits 18x18x12 ins., E. and W. of stone, 3 ft.dist.; and raise a mound of earth, 3,1/2 ft.base,1,1/2 ft.high No trace of old cor. N. of cor. nirfe rence between measurements of 80.00 chs.by two sets of chainmen, is 6 lks.; position of middle point Ry 1st set, 80.03 chs.
Ry 2nd set, 79.97 chs. theomean of which is Set a malpais stone 18x12x10 ins.,12 ins.in the ground, 80.00 for standard cor of secs. 33 and 32, marked SC on N., with 4 groves on the E. and 2 groves on W.face; dig pits 24x18x12 ins., crosswise on each line, E. andw., 3 ft. and N. of stone, 7 ft. dist.; and raise a mound of earth, 4 ft.base, 2ft .high, N. of cor.; from the cor. A Paloverde, 12 ins.diam., bears N.64,1/2 °E.,271 lks dist., marked SC T 5 N R 3 W S 33 BT No trace of the old cor. Land, level. .soil, sandyleam; -3rd rate ----Timber, seattering mesquite and paloverde. Underbrush, greasewood and cactus. Land covered with dense underbrush, 80.00 chs. West on S. bdy. of sec. 32.
Over level land, through dense greasewood brush. pifference between measurements of 40.00 chs. by two sets of chairmen is 4 lks.; position of middle point

40.00

By 1st set, 40.02 chs.

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

Set a limestone 18x8x8 ins.,12 ins.in the ground, for

standard \(\frac{1}{4}\) seccore, marked SC\(\frac{1}{4}\) on N. face; dig pits

18x18x12 E. andw. of stone, 3ft. dist.; and raise a mound
of earth, 3,1/2 ft base,1,1/2 ft. high, N. of cer.

No trace of old cor.

Old read bears N.E. and S.W. 46,20

First Standard Parallel North through Ranges 3 and 4 West

chains

Difference between measurements of 80.00 chs by two sets of chainmen is 6 lks.; position of middle point

80.00

By 2nd set, 79.97 chs.; the mean of which is Set a malpais stone 18x10x10 ins.,12 ins, in the ground for standard cor. of secs.31 and 32, marked SC on m., with 5 groves on E. and 1 grove on W. face; dig pits 24x18x12 ins., crosswise on each line, E. and W., Sft. and N. of stone 7 ft. dist.; and raise a mound of earth 4 ft. base, 2 ft. high, N. of cor.; from cor.

A Paloverde, 5. ins.diam., bears N 50, \$ /4° E., 128 1ks. . dist., marked

SC T 5 N R 3 W S. 32 BT A Paloverde 9 ins. diam., bears 41° W., 197 lks.dist. marked,

SC T 5 N R 3 W S 31 BT No trace of old cor. Land, level.

Soil, sandyloam and gravel; 2nd and 3rd rate. Timber, stattering mesquite and paloverde. Underbrush, greasewood, mesquite, and cactus. Land covered with dense underbrush, 80.00 chs.

west on S. bdy. of sec. 31. Over level land and through dense greasewood brush. Difference between measurements of 40.00 chs.by two sets of chairmen 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 a granite stone 18x8x6 ins., 12 ins. in the ground, for standard 4sec. cor., marked SC4 on N.face; dig pits 18x18x12 ins.,E. and W. of stone, 3 ft. dist.; and raise a meund of earth, 3,1/2 ft base,1,1/2 ft. high,N.offcor.
NO trace of old cor.

Difference between measurements of 80.00 chs by two sets of chairman is 8 lks.; position of middle point By 1st set, 80.04 chs.

By2 nd set, 79.96 chs.; the mean of which is Set a granite stone 20x10x10 ins.,15 ins.in the ground for standard cor. Tps. 53N., Rgs. 3 and 4 w., marked SC on N.; with 6 greves on N. E., and W. faces; dig pits, 30x24x12 ins., crosswise on each line, E. and W., 4 ft., and to of stone, 8 ft. dist.; and raise a mound of earth 5 ft. base. 2,1/2 ft high,N. fe cer.
No trace of old cer.

Land, level. Soil, sandy loam, gravelly; 2nd and 3rd rate. Timber, scattering mesquite and paloverde. Underbrush, mesquite, greasewood, and cactus. Land covered with-dense-underbrush; -80.00 chs.

_____.

Through Rg. 3 this line runs over level lami, through scattering mesquite and paloverde timber and dense greasewood underbrush. The soil is sandy lean and gravelly, 2nd and 3rd rate. There is no water along this line.

Diligent search failed to disclose any evidence of the eld cers. through this Rg.

Tp. 4 N.R.3 W. is level in the N. and central parts while the White Tank mountains are in the southern portion of the Tp...

There are no settlers along this line. December 8,1908.

Decomberas, : / 8 a.m., i.m.t., r set eff 83° 43, 1/2'N.

40.00

80.00

First Standard Parallel North through Range 4 West.

put

December 9,; at 8 a.m., l.m.t., I set off 33° 43, 1/2 men the lat.arc; 22° 46' S. on the decl.arc; and determine a meridian with the solar at the cor. of Tps 5 N.Rs 3 and 48

Thence I run.

west on the S. bdy. of sec. 36.

Over level land and through dense greasewood brush. Difference between meansurements of 40.00 chs by two sets of chairmen is 6 lks.; position of middle point

Ry 1st set, 40.03 chs.

40.00

80.00

By 2nd set, 39997 chs., the mean of which is Set a granit stone 16x10x10 ins., 11 ins.in the ground, for standard ½ sec.cor., marked SC½ on the N. face; dig pits 18x18x12 ins., E. and W. of stone, 3ft dist.; and raise a mound of earth, 3,1/2 ft. base 1,1/2 ft. high, N. of cor.; from corr.

A mesquite, 7 ins.diam., bears N 26,1/4° E.,112 lks.

dist., marked

SC 4.S 36 BT. No trace of eld cor. Difference between measurements of 80.00 chs by two sets of chairmen is 6 lks.; position of middleopoint

By 1st set, 80.03 chs.

By 2nd set 79.97 chs., the mean of which is

Set a malpais stone 20x6x6 ins., 15 ins., in the ground for standard cor. of secs.35 and 36, marked SC on N., with 5 groves on the W. and 2 groves on the E. face; dig pits 24x18x12 ins., crosswise of each line, E. and W., 5 ft. and N. of stone 7 ft. dist.; and raise a mound of earth 4 ft.base and 2 ft.high, N. of cer.; from the cer.

A mesquite, 4 ins.diam., bears N 11,1/4° E.,99 lks.

dist., marked

SC T 5 N R 4 W S 36 BT

No trace of old cor.

Land, level.

Soil, sandy and gravelly; 3rd rate.

Timber, few mesquite.

Underbrush, greasewood and cactus.

Land covered with dense underbrush, 80.00 chs.

west on S.hdy. of sec.35.
Over level land and through dense greasewood brush Difference between measurements of 40.00 chs.by

40.00

two sets of chairmen is 8 lks.; phsitienlef middle point
By 1st set, 40.04 chs.
By 2nd set, 59.96 chs,; the mean of which is
Set a perphyry stone 20x8x6 ins.; 15 ins., in the ground,
for standard 4 sec.cor., marked SC4 en N.face; dig pits
18x18x12 ins E.and W. of stone, 3 ft. dist.; and raise a
mound of earth, 3, 1/2 ft.base, 1, 1/2 ft.high, N. of cor. from the cor.

A catclaw, 6ins.diam., bears N 83°30'W., 117 lks.dist., marked

SC 4 S 3 5 BT

No trace of old ser.

42.60 78.00 wash 8 lks wide, bears S. Over gently rolling land.

Difference between measurements of 80.00 chs.by two sets of chainmen is 6 lks.; position of middle point

80.00

By 1st set, 80.03 chs.
By 2nd set, 79.97 chs.; the mean of which is
Set a malpais stone 20x6x6 ins.,15 ins.,in the ground, fer standard cer. of secs. 34 and 35, marked SC en N., with & grooves on the E.and A grooves on the W.face; dig pits 24x18%12%ins., crosswise of each line, E. and W. 3 ft.; and N. of stone 7 ft. dist.; and raise a mound of ea earth, 4ft.base,2 ft.high,N.ef cer.; from the cer. A paloverde,5 ins.diam., bears N 35° E.,188 lks dist.,

SC T 5 N R 4 W S 35 BT Apale verde 6 ins.diam., bears N 22° W., 192 lks dist marked

First Standard Parallel North through Range 4 West

```
SC T 5 N R 4 W S 34 BT .
chains
             No tracecef old cor.
          Land, level and gently relling.
          Soil, gravelly and stony,; 3rd and 4th rate. Timber, scattering mesquite and paloverde.
          Underbrush, greasewood.
          Land covered with dense underbrush, 80.00 chs,
                 west on S bdy. of sec. 34.
                  Over relling land and through dense greasewood
          brush.
          wash 10 lks.wide, bears N.W. . . .
  4.90
                 Difference between measurements of 40.00 chs. by
           two sets of chairmen is 4 lks.; position of middle pient
                 By 1st set, 40.02 chs.
          By 1st set, 40.02 cms.

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

Set a mesquite post, 3 ft.long, Sins.sq., with marked

set a mesquite post, 3 ft.long, Sins.sq., with marked
 40.00
          stone: 24 ins. in the ground, for standard a sec. ser., marked SC 4 S 34, on N. face; dig pits 18x18x12 ins., E. and W. of post 3 ft dist.; and raise a mound of earth, 3,1/2 ftbase, 1,1/2 ft. high, N. of cor.
                 No trace of old cor.
          wash, 20 lks.wide, bears. S.
 44.50
             Difference between measurements of 80.00 chs by two
           sets of chainmen is 6 lks.; position of middle point By 1st. set, 80.03 chs.

By 2nd, set, 79.97 chs.; the mean of which is
           Set a mesquite post, 3 ft.long, 4 ins.sq., with marked stone, 24 ins.in the ground, for standard cor.of secs. 33
 80.00
           and 34, marked
                  SC T 5 N R 4 W on N.,
                  S 34 on E.and
                  S 33 on W.face, with 3 grooves on E., and 3 grooves
           W.face; dig pits,24x18x12 ins., cresswise on each line
           E.andw.3 ft., and N.ef post, 7 ft.dist.; and raise a
           mound of earth, 4 ft.base, 2 ft.high, N.of cor.
                  No trace of old cor.
           Land, level and rolling.
           Soil, sandy, gravelly and stony; 3rd and 4th rate.
           Timber, scattering paloverde.
           Underbrush, greasewood, mesquite and cactus.
           Land covered with dense underbrush, 80.00 chs.
                  west on S. bdy. of sec. 33.
                  Over rolling land and thrumgh dense greasewood
                   prush.
            Enter wash, bearing N.W.
   9.10
            Leave wash, 15 lks. wide course SW.
  11.50
                Difference between measurements 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 quartzite stone, 21x6x6 ins., 15 ins.in the ground,

for standard \(\frac{1}{4}\) sec.cor., marked SC\(\frac{1}{4}\) on N.face; dig pits

18x18x12 ins., E. and W. of stone, 3 ft dist.; and raise

a mound of earth, 3,1/2 ft.base, 1,1/2 ft.high, N. of cor.

No trace of old cor.
  40.00
                   No trace of old cor.
            Enter Hassayampa Bettem; bears N. and S.
  42.90
            This point falls en ground subject to everflow, se I
  80.00
            continue W.
               Difference between measurements of 87.00 chs, by two
           sets of chairmen is 10 lks.; position of middle point
                   Ry 1s t set, 87.05 chs.
                   By 2nd set, 86.95 chs.; the mean of which as
            set a mesquite pest, 3 ft. leng, 4 ins. sq., with marked
  97.00
            stone deposit, 24 ins. in the ground, for W.C. to standard
             cer.secs.32 and 33, marked
```

Parallel North through Range 4 West. wirst Standard

WC SC T 5 N R 4 W on N.,

S 33 on E., and

S 32 on W. face, with 4 grooves on E., and 2 grooves en W.face; dig pits, 24x18x12 ins., cresswise en each line, E. and W., 3 ft., and N.ef post, 7 ft.dist.; and raise a mound of earth ,4 ft.base,2 ft. high, N. of cor.
No trace of old cor.
Land, rolling and level.

Soil, sandy and gravelly; 3rd rate. Timber, scattering mesquite and paloverde. Underbrush, greasewood, mesquite and cactus. Land covered with dense underbrush, 80.00 chs.

> West on S. bdy. of sec. 32. from true point for Cor. Over level land and through dense greasewood brush

W.C. of secs. 32 and 33. Left bank of Hassayampa creek, dry, bears S. 7.00 10.50

Right bank of Hassamampa creek, bears S. 28.60

Leave bottom; ascend. 29.60

Top spur mesa; bears S.; descend. 33.15

34.65

Enter draw: bears S. Enter wash, course SE. 37.10 This point falls in wash so I continue W. 40.00

Leave wash, bears N.W. and S.E. 42.70

Difference between measurements of 43.00 chs.by two sets of chainmen is 6 lks.; position of middle point

Ry 1st set, 43.03 chs.

Ry 2nd set, 42.97 chs.; the mean of which is Set a silica stone 21x8x5 ins.,15 ins.in the ground, for WCC. to standard 1 sec.cor., marked WC SC 1 on N.face; dig pits 18x18x12 ins., E. and W. of stone, 3 ft. dist., and raise a mound of earth 3,1/2 ft, base, 1,1/2 ft. high, N. Ne trace of old cor. of cor.

Leave draw; asc.over broken ground. 47.90

Top mesa hears N.and S.; ever mesa, 59.15.

Difference between measurements of 80.00 chs.by two sets of chairmen is 8 lks.; position of middle point

Ry 1st.set, 80.04 chs.

By 2nd. set, 79.96 chs.; the mean of which is set a malpais stone 21x8x6 ins., 16 ins.in the ground, for standard cer.ef secs.31 and 32, marked SC en N.; with 5 grooveson E. and 1 grooves on W.face; and raise mound of stone, 2ft. base, 1,1/2 ft, high, N. of cer. impracticable. Ne trace of old cor.

Land, level and broken.

Soil, sandy and gravelly; 4th rate. Timber, mesquite and paleverde.

Underbrush, greasewood and mesquite.

Land covered with dense underbrush, 80.00 chs. December 9; At thes cer. I set off 22° 50's.en the decl.arc and observe the sun on the meridian at noon; The resulting latitude is 33° 43' 30"N.

west on S.boy .of sec.31. Over level land and through dense greasewood brush. Difference between measurements of 40.00 chs, by two sets of chairmen 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 mesqu ite post 3ft.long, 3 ins.sq., with marked stone 24 ins.in the ground, for standard 4 sec.cor., marked SC 1 S 31 on N.face; dig pits 18x18x12 ins., E. and W. of post, 3 ft.dist.; and raise a mound of earth, 3,1/2 ft.base,1,1/2 ft.high,N.of cer.

4

No trace of old cor.

wash 30 lks.wide, bears S. wash 30 lks.wide; bears S. 75.15

40.00

43.00

80.00

67.50

First Standard Parallel North through Range 4 West

chains Wash 30 lks wide; bears S. 79.50

Difference between measurements of 80.00 chs.by two of chaimmen is 8 lks.; position of middle point

80.00

By 1st. set, 80.04 chs

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

Set a mesquite pest 3 ft.leng, 4 ins.sq., with marked stene 24 ins.in the ground, for standard cor. of Tps:5 N.Rs.5 and 4 W., marked,

· SC T 5 N on W.,

R 4 W S 31 on E., and
R 5 W S 36 on W. face; with 6 grooves on N., E., and
W.faces; dig pits, 30x24x12 ins., crossewise on each line E. and W. 4 ft., and N. of post 8 ft. dist.; and raise a mound of earth, 5 ft. base, 2,1/2 ft. high, N. of cor. Land, level.

Seil, sandy and gravelly; 3rd rate. Timber, scattering mesquite and paloverde. Underbrush, greasewood. Land covered with dense underbrush, 80.00 chs.

Through Rg. 4 this line passes mestly over level land but is broken near the Hassayampa Bettem. There is a small amount of scattering timber but a great deal of greasewood undergrowth. The soil is sandy and gravelly being 3rd and 4th rate. At present there is no water in

the Hassayampa creek.
Diligent search failed to disclose any signs of the old cors.through this Rg.

Tp.5 N. Rg.4 W.is hilly and broken in the N.W., the remainder is mostly level excepting the Hassayampa

There are no settlers along this line.

First Standard Parallel North through Range 5 West.

	,	
T	chains	
	1	west on S. bdy. of sec. 36.
		Over level land and through dense greasewood brush
1	31.00	wash 8 lks.wide; bears S.
	5.85	Old road hears N.N.W. and S.S.E. Difference between measurements of 40.00 chs.by two set
	•	of chairmen is 6 lks.; position of middle point
		By 1st. set, 40.03 chs.
١	·	no and get so 97 chs the mean of which is
	40.00	get a masquite past & ft.leng. Sins. SQ With marked Stene
	40.00	of the in the ground for grandard i sec. cer. Marked 50
١		I a zo an w face did hits 18x18x12 ins .E.and W. Ol Pelot
١		3 ft.dist., and raise a mound of earth, 3,1/2 ft.base, 1,1/2
١		ft.high, N. of cor.
		No trace of old cor.
	49.60	Trail bears N. and S.
	55.40	Old read, bears N. and S.
	56.70.	must happe N and C.
		niceanana hetween measurements of 80.00 cns by two
		sets of chairmen is 4 lks,; position or middles point
	,	pv lst.set. 80.02 chs.
		By 2nd.set, 79.98 chs.; the mean of which is
	80.00	Set a mesquite pest, 3 ft .leng, 4 ins, sq., with marked stene
		24 ins. in the ground, for standard cor. of secs. 35 and 30,
		marked
		SCT5NR5WenN.,
	,	S 36 on E., and S greeves on E., and 5 greeves s
		on w.face; dig pits, 24x18x12 ins., crosswise on each line
		E. and W. 3. ft., and N. of post, 7 ft. dist.; and raise a mound
		ef. earth, 4 ft. base, 2 ft. high, N. of cor.
		No trace of old cor.
,		Land, level. Soil, sandy and gravelly; 3rd rate.
		Timber, scattering mesquite and paleverde.
		True de manage manageman
		Land covered with dense underbrush, 80.00 chs,
		Dentity On A a 1 a a a a a a a a a a a a a a a a a
		west on S.bdy.of sec.35.
•		Over level land and through dense greasewood brush
	0.35	wash 10 lks wide, bears S.
		Difference between measurements of 40.00 chs by two
		sets of chairmen is 6'lks.; pesition of middle point
	İ	By 1st.set, 40.03 chs,
•		By 2nd set, 39.97 chs.: the mean of which is set a mesquite post, 3 ft.long, 3 ins.sq., with marked stone
	40.00	I a see an also amound for grandard is sec. cor Herked SU
		I I Anna. Air nite igyinyiz ins K. Mid wat pydyi
	4	3 ft dist, and raise a maund of earth, 3,1/2 ft. base, 1,1/2
		S It dist, and later a matter.
	1 / /	ft.high, N. of ser.
	-3 0-	l a a a a a a a a a a a a a a a a a a a
	51.25	I was or the wide hears S.
	,62.40	TIRROWAND NATURAL MARCHITEMENTS OF DU.UU CHO.U.
		sets of chairmen is 8 lks. position of middle point
		l py 1st set. 80.04 chs.
		by 2nd set 79.96 chs.: the meanior which is
	80.00	get a masquiteopestax ft. lang. 4 ins. sq., with marked
		stone 24 ins. in the ground, for standard cor. or secs. 54
		and 35, marked
		SC T 5 N R 5 W on W.,
		S 35 on E. and
		S 34 on W.face; with z greeves on E. and 4 grooves
		on W.face; dig pits, 24x18x12 ins cresswise on each line
		E. and W., 3 ft., and N. of post, 7 ft. dist.; and raise a
		mound of earth, 4 ft. base, 2 ft. high, N. of cor.
		No trace of old sor.
	1	Land, level.
		Seil, gravelly; 3rd rate.
	1	Ne timber.
	4	Underbrush, greasewood.

Resurvey of First Standard Parallel North through Range 5 West

	chains	
		Land covered with dense underbrush, 80.00 chs.
	· ·	
		West on S.bdy.of sec.34.
		Over level land through dense greasewood brush.
	16.90	Wash, 20 lks.wide, bears S
	17.80	Wash 40 lks wide; course S.
	24.50	Wash 20 lks wide; bourse S.
	26.45	Old read; bears N. and S.
	34.45	Wash 30 lks wide; coursess.
٠.	04.40	Difference between measurements of 40.00 m
		Difference between measurements of 40.00 chs, by two
	ζ -	sets of chainmen is 6 lks.; position of middle point
		By 1st set, 40.03 chs.
	40.00	By 2nd set, 39.97 chs.; the mean of which is
	40.00	
		Set a mesquite post 3 ft.long, 3 ins.sq., with marked
		stone 24 ins. in the ground, for standard + sec. cor
		marked SC 4 S 34 en N.face; dig pits, 18x18x12 ins., E. and
-		W. of post 3 ft. dist.: and raise a mound of earth g 1/b
	•	base,1,1/2 ft high,N. of cor.
1		No trace of old cor.
-	76.00	Wash 15 lks.wide; course S.
	76.50	Wash 10 1kg mide: 20000000
	78.30	Wash 10 lks wide; course S.
. 1	V6.61	Wash 15 lks wide; course S.
		Difference between measurements of 80.00 chs. by two
		sets of chairmen is 8 lks.; position of middle point
-		By 1st set, 80.04 chs.
		By 2nd set, 79.96 chs.; themean of which is
	80.00	Set a mesquite post, 3ft.leng, 4 ins.sq., with marked stone
ł		24ins in the ground for standard cor of secs. 33 and 34.
1		marked,
-		SC T 5 N R 5 W on N.,
		S 34 on E., and
-		S 33 on W.face, with & greeves on E., and & grooves
1		on W. face; dig pits,24x18x12 ins., cresswise on each
		line F and W Ret andwarf nact wet diet and mater
		line, E. and W., 3ft., and N. of post, 7ft. dist.; and raise a
1		mound of earth, 4ft.base, 2ft.high, N. of cor.
1	*	No trace of old wor.
1		From, this cer.
		The Vulture Dome bears N 6°W. about 10 miles dist.
		The Vulture Mine bears N 26°30'W.about 10 miles.
		Land, level.
		Soil, sandy and gravelly; 3rd rate.
		Timber, scattering mesquite and paloverde.
		Underbrush, greasewood.
		Land covered with dense underbrush, 80.00 chs.
1		December 9,1908.
		December 10; At 8 a.m., 1.m.t., I set off 33°43'30"N.on
		the lat.arc; 22° 51' 30". S'en the decl.arc, and determine
	•	a meridian with the solar at the car. of secs. 33 and 34.
		T 5 N R 5 W.; thence I run
		West on S.hdy.of sec.33.
1	00 10	Over level land, through dense greasewood brush.
	29.10	Wash 10 lks.wid e,course,S.
	31.05	Wash 15 lks.wide,course,S.
'	34.70	Wash 10 lkd.wide, course S.S.E.
		Difference between measurements of 39.00chs.by two
		sets of chainmen is 6 lks.; poseteen of middle point
		By 1st set, 39.03 chs
		By 2nd set, 38.97 chs.; the mean of which is
	39.00 (resset a mesquite post 3ft.long, 3ins.sq., with marked stone
	.	24ins.in the ground, for WCC.to standard 1 sec.cor.
		marked WC SC 4 S 33 on N. face; dig pits 18x18x12 ins.
1		E.and W.of post 3 ft.dist.; and raise a mound of earth
		3,1/2 ft.base,1,1/2 ft.high,N.of cer.
		No trace of old cor.
		TW VA.COU UA UAU. CUI.
1	1	

Resurvey of First Standard Parallel North through Range 5 West.

H.T.	150 Summer of Landson
CHETES	The state of the state of the wide course C F
40.00	This point falls in a wash 30 lks.wide,course S.E.
57.70	wash 10 lks.wide,course,S.
60.00	wach 10 lks wide course.S.
60.00	Difference between measurements of 80.00 chs by two
	militered be dead in the state of middle point
	sets of chaimmen is 8 lks.; position of middle point
	Ry 1st set. 80.04 cns.
	py 2nd set 79.96 chs.; the mean of which is
60 00	Set a mesquite post, 3ft.leng, 4ins.sq., with marked stone
80.00	24ins.in the ground for standard cor.of secs.32 and 33,
·	marked
	SC T 5 N R 5 W.on N.,
	C TT AN H AND
	a go on W face, with 4 gradves on E. and 2 greeves
	on W.face; dig pits, 24x18x12 ins., cresswise en each line
	on W. face; dig pits, 2410418 Ass., order and water
1	E.and W., 3ft., and N.of post, 7 ft. dist.; and raise a
1	maund of earth, 4ft, base, 2ft. high, N. of cor.
	No trace of old cor.
1	
	Land, level.
	soil, sandy and gravelly; 3rd rate.
1	mimber, scattering mesquite and paloverde.
	Indembrush greasewood.
	Land covered with dense underbrush, 80.00 chs.
	PHIC COARLAN MY OIL CANADA' freezant a second a
1	
,	
	west on S.hdy.of sec.32.
	Over level land and through dense greasewood brush
	wash 10 lks.wide, course S.
0.20	Wash 10 1kg. witta, cours
2.70	wash 30 lks wide, course S.
9.00	Old read, bears N. and S.
39.65	week 15 like wide course S.S.E.
69.00	nigenance between measurements of 40.00 cns by two
	sets of chainmen is 6 lkd.; position of middle point
	Sets of Charlinger 13 of Area,
	Ry 1st set, 40.03 chs.
· ·	By 2nd set, 39.97 chs.; the mean of which is
40.00	set a mesquite post, Sft.long, Sins.sq., with marked stone
40.00	I carme in the angued for standard 7 Sec. cor. Harkey SU
	1 S 32 on N. face; dig pits, 18x18x12 ins., E. and W. of post
	3ft.dist.; and raise a mound of earth, 3, 1/2 ft.base,
	Sft.dist.; and raise a mound of the original
	1.1/2 ft.high, N.of cor.
	No trace of old cor.
62.95	wash 10 lks.wide, course S.
	of a mond heave M and C
75.00	1 - Language hat waan measurements of 80.00 cns.01 cwo po
	sets of chairmen is 6 lks.; position of middle point
1	sets of chairmen is o iks., postoton or state
}	by let set 80.03 chs.
	and got 70 07 chs.: the mean of which is
00 00	I amount a near art long 41ns.sq., with marked 50000
80.00	24 ins. in the ground, for standard cor. 46 secs. 31 and 32,
	marked
•	SCT5NR5WonN.,
	a mo an El and
	I we will a standard the property of the control of
,	w face. did hits 24x18y12 lns crosswise on each 12mg
,	on W. IACT, dis prost 7ft dist and raise a
	E.and W., 3ft., and N. of post, 7ft. dist.; and raise a
	mound of earth, 4ft.base, NIT. Algn, N. 61 Ger.
	No trace of old cor.
	Land, level.
2.	soil, sandy and gravelly.
	Soil, Sandy and Bray magnite and paleverde.
	Timber, scattering mesquite and paloverde.
	Tradembuse draggerend and mesulate.
	Land coverde with dense underbrush, 80.00 chs,
	mark on a holy of son \$1
	west on S. bdy.of sec.31.
	Over level land and through dense greasewood brush
6.35	Old road hears N. and S.
23.90	Old read hears N.N.E. and S.S.W.
	1 0 11 ido 10 C
31.25	\$1 \$1.00 P. C

First Standard Parallel North through Range 5 West. Difference between measurements of 40.00 chs.by two sets of chairmen 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 a mesquite post, Sft.leng, 3ins.sq., with marked stone 24ins.in the ground for standard 4 sec.cor., marked SC 4 40.00 S 31 on N. face; dig pits 18x18x12 ins., E. and W. of post, 3ft.dist.; and raise a mound of earth, 3,1/2 ft.base, 1,1/2 ft. high, N. of cor. No trace of old cor. wash 10 lks.wide,course,S. 54.35 71.45 Old road bears N.E. and S.W. 77.20 Wash; 25 lks wide, course S. Difference between measurements of 80.00 chs.by two sets of chairmen is 8 lks.; position of middle point By Isteset, 80.04 chs.
By 2nd set, 79.96 chs.; the mean of which is Set a mesquite post 3ft.long, 4ins.sq., with marked stone 80.00 24 ins.in the ground, for standard cor. of Epsss N., Rs. 5 and 6 We, marked SC T 5 N on N. R. 5 W. S 31 on E., and

R 6 W S 36 on W.face; with 6 grooves on N., E., and W.faces; dig pits, 30x24x12 ins., crosswise on each line, E. and W., 4ft., and N. of post, 8ft. dist.; raise a mound of earth, 5ft. base, 2, 1/2 ft. high, N. of cer.

No trace of old cor.
Land, level.
Soil, sandy and gravelly; 3rd rate.
Timber, scattering mesquite and paloverde.
Underbrush, greasewood and mesquite.
Land coveredwith dense underbrush, 80.00 chs.

Through Rg.5 this line passes over level land, the soil is sandy and gravelly; 3rd rate. There is a growth of scattering timber and dense underbrush. There is no grass or water through this Tp.

Diligent search failed to reveal any signs of the old cors. through this Rg.

Tp.5 N.Rg.5 W is hilly and broken in the N.W. part; the remainder is mostly level.
No settlers along this line.

Resurvey of wirst Standard Panallel North.through Range 6 West.

chains	1
	west on S.bdy.of sec.36.
	Over level land through dense greasewood brush.
6.15	Wash 25 lks.wide,course S.E. Difference between measurements of 40.00 chs.by two
	sets of chairmen is 6 lks.; position of middle point
	By 1st set, 40.03 chs.
	By 2nd set, 39.97 chs.; the mean of which is
40.00	cat a resota nost aft.long 3 ins.sq., with marked stone
40.00	of the in the example for standard & sec.cor. marked SC
	l a ze on M face: dig bits 18x18x12 ins., E. and W. or Post,
	3ft.dist.; and raise a mound of earth, 3,1/2 It.base,
	1.1/2 ft.high, N.of cor.
	No trace of old cor.
49.80	Old read, bears N.E. and S.W.
57.70	Wash 20 lks wide course S.E.
	pifference between measurements of 80.00 chs.by two sets of chainmen is 8 lks.; position of middle point
	my 1st set, 80.04 chs.
	By 2nd set, 79.96 chs.; the mean of which is
20.00	mak = maggarita nagt get lang 41ns.sq., with marked 5tone
80.00	24 ins.in the ground for standard cor.of secs.35 and 36,
	marked
	SC T 5 N R 6 W on N.,
	c 76 an W and
	a ze on w face: with A grooves on E. and b grooves
	l an w frage did nite 24x18x12 ins crosswise on each line,
	r and w get and N.of post. / It. dist., and raise a
	mound of earth 4ft.base,2ft.high,N.of cor.
	No trace of old cor.
	Land, level. Soil, sandy and gravelly; 3rd rate.
	Timber, scattering mesquite and paleverde.
	Underbrush, greasewood,
	Land covered with dense underbrush, 80.00 chs
	west on S.hdy.ef sec.35.
	Over level land, through dense greasewood brush.
13.60	
23.35	I Ala mand happy M W Sild S. H.
33.40	nifference between measurements of 40.00 cns.by (we)
	sets of chainmen is 6 lks.; position of middle point
	1 py 1st set. 40.03 ChS.
	ny ond get 39 97 chs : the mean of which is
40.00	set a mesquite post, 3rt.long, 3 ins.sq., with marked stone
te de la	. 24 ins. in the ground, for standard \(\frac{1}{4}\) sec.cor., marked
	SC 2 S 35 on N. face; dig pits 18x18x12 in s., E. and W. of p
	post, 3ft. dist.; and raise a mound of earth 3,1/2 ft.
	base,1,1/2 ft.high,N.of cer. No trace of old cor.
	to the manage between measurements of 80.00 chs.by two
	sets of chairmen is 10 lks.; position of middle point
	I nulet est 80.05 CDS.
•	ny ond cat 79 95 chs.: the mean of which 15
80.00	and a maggrite nost 3 ft long 41ns.sq. with marked store
	24 ins. in the ground, for stnadard cor of secs 34 and 35,
	marked
	SCT5NR6WenN.,
	S 35 on E., and S 34 on W. face; with 2 grooves on E., and 4 grooves
	E. and W., Sft., and N. of post, 7ft. dist.; and raise a mound
1	of earth 4ft hase, 2ft high, N. of cor.
	No trace of old cor.
	I and level
	coil candy and gravelly: 3rd rate.
	minhan coattering mesquite andpaioverge.
1	I was a house a magazawand and mesculte.
	Land covered with dense underbrush, 80.00 chs.
: - L	

First Standard Parallel North through Range 6 West

chains	At this cor., I set off 22°55'S.on the decl.arc and observe the sun on the meridian at noon; the resulting lat.is 33°43'30"N.
	West on S.bay.af sec.34.
29.65	Over level land, through dense greasewood brush wash 50 lks. wide, course S.E.
c	Difference between measurements of 40.00 chs, by two-sets of chairmen is 4 lks.; position of middle point Ry 1st set, 40.02 chs.
40.00	Ry 2nd set, 39.98 chs.; the mean of which is Set a mesquite post, 3ft.long, 3ins.sq., with marked stone 24 ins.in the ground, for standard 4 sec.cor., marked SC 4 8 34 on N.face; dig pits, 18x18x12 ins., E. and W.
40.70	of post, 3ft.dist.; and raise a mound of earth, 3,1/2 ft. hase, 1,1/2 ft.high, N.of cer. No trace of old cer.
48.30 63.00	Old road hears N.W.and S.E. Old road hears N.W.and S.E. Difference between measurements of 80.00 chs by two
	sets of chairmen 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 mesquite post, 3ft. long, 4ins. sqq, with marked stone 24ins in the ground, for standard cor. of secs. 33 and 34, marked
	SCT 5 N R 6 W on N., S 34 on E., and S 35 on W.face, with 5 grooves on E. and 3 grooves
1	on W.face; dig pits 24x18x12 ins cresswise on each line E.and W., 3ft., and N.of post, 7ft.dist.; and raise a mound of earth, 4ft.base, 2ft.high, N.of cer. No trace of old cer.
	Land, level. Soil, candy, gravelly and stony; 3rd and 4th rate. Timber, scattering mesquite and paleverde.
*	Underbrush, greasewood and mesquite. Land covered with dease underbrush, 80.00 chs,
	West on S.bdy.of sec.33. Over nearly level land, descending through dense greasewood brush.
4.00 15.60	Draw, 100 lks wide, course S.S.E. Old read, bears N.E. and S.W. Difference between measurements 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
40.00	Set a mesquite pest, 3ft.leng, 3ins.sq., with marked stone 24 ins.in the ground, for stnadard \(\frac{1}{4}\) sec.cor., marked SC \(\frac{1}{2}\) S 33 on N.face; dig pits, \(\frac{1}{2}\) S 18x12 ins., E. and w. of
	post 3ft.dist.; and raise a mound of earth, 3,1/2 ft. base, 1,1/2 ft.high, N. of cor. No trace of old cor.
59.1 5 69.40	Draw 60 lks wide, course S.E. Wash 10 lks.wide, course S. Difference between measurements of 80.00 chs.by two
*	sets of chairmen 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 mesquite. pest, 3ft leng, 4ins, sq., with marked stene 24 ins.in thr ground, for standard cor. of secs. 32 and 33 marked
	SC T 5 N R 6 W en N., S 33 en E., and S 32 en W.face, with 4 greeves en E., and 2 greeves
	en w face; dig pits,24x18x12 ins crosswise on each line E.and W.,3ft.,and N.ef pest,7ft.dist.; and raise a mound of earth 4ft base,2ft.high,N.ef cor.

chains	
	No trace of eld cer.
•	Land nearly level.
	Soil, sandy, gravelly and stony; 3rd and 4th rate.
	rimber, scattering mesquite and paleverde.
	Underbrush, greasewood and mesquite.
(•	Land covered with dense underbrush, 80.00 chs.
	Control of the Contro
1	west on S. bdy.ef sec.32.
	Over gently relling land, through scattering paleverde
	and dense greasewood brush.
0.35	wash 10 lks.wide, course, S.E.
2.15	wash 90 lks wide course, S.
27.00	wash 20 lks wide, course S.
33.15	Masu SO IKS Arde Garrie 20 .
40.00	walls in a wash 45 lks.wide,course S. nifference between measurements of 41.00 chs by two
	DITIETERCE DECARET HEADUI SHERE OF TELOO ON NO
•	sets of chainmen is 8 lks.; position of maddle point
	By 1st set, 41.04 chs.
	By 2nd set, 40.96 chs.; the mean of which is
41.00	Set a mesquite pest, 3ft.leng, 3ins.sq., with marked stone
	24 ins. in the ground for W.C. to standard \(\frac{1}{4}\) sec. cor.,
	marked we see 4 s 32 on N.face: dig pits 18x18x12 las.,
	rand w.of post. 3ft. dist.; and raise a mound of earth,
	3.1/2 ft.base,1,1/2 ft.high,N.er cer.
	No trace of old cor.
46.50	
	Ascend.
46.80	Top of rocky knoll, bears, N. and S.; descend,
49.05	woot of descent. ever relling land.
	nifference of measurements of 80.00 chs,by two sets
	of chainmen is 8 lks.; position of middle point
	pw let set. 80.04 chs.
	The and get 79 96 chs.: the mean of which is
80.00	cat amagnita past Sft.long.41ns.sq., with marked Stene
30.00	24 ins. in the ground for stnandard cor of secs. 31 and 32
	marked
· :	SC T 5 N R 6 W on N.,
	e 32 an F. and
	a zi an w face with Maragues on E., and 3 grooves
	on w face: dig bits 24x18x12 ins.crosswise on each line,
	wand waft, and N.of Dest. Vitt. dist.; and raise a
	mound of earth, 4ft.base, 2ft.high, N. of cor.
and the second	No trace of old cor.
	Land, level.
	Soil, sandy, gravelly and stony; 4th rate.
	Timber, scattering mesquite and paleverde.
	Underbrush, greaseweed and mesquite.
	Land covered with dense underbrush, 80,00 chs.
	DERIT COART AT ATT WASTING COLUMN COL
	west en S. bdy. of sec.31.
	l and level land through dense freezeweed Druch
	I was a second to a state of the state of th
	sets of chairmen 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 mesquite pest, 3ft.leng, 3ins.sq., with marked stene
40.00	24 ins. in the ground, for standard 4 sec. cor., marked
•	SC 1 S 31 en N. face; dig pits, 18x18x12 ins., E. and W.
	of post 3ft. dist.; and raise a mound of earth, 3, 1/2 ft.
	of post 3ft. dist., and rath a mount of was on, o, a,
	hase 1,1/2 ft.high, N.ef cer.
- 1	No trace of old cor.
45.70	wash 10 lks.wide, course S.
57.00	Over relling land
74.05	Low ridge extends N. and S.
	Difference between measurements of 80.00 chs by two f
	sets of chaimmen is 8 lks.; position of middle point
	By 1st set, 80.04 chs.
· · ·	By 2nd set, 79.96 chs.; the mean of which is
. 1	

Resurvey of

First Standard Parallel North through Range 6 West.

80.00

Set a mesquite post 3ft.long, 4ins.sq., with marked stone 24 ins. in the ground, for standard cor. of Bpss5 N Rgs. 6 and 7 W., marked SC T 5 N on N.,

R 6 W S 31 on E., and R 7 W S 36 on W .face; with 6 greeves on N.,E!, and W.faces; dig pits, 30x24x12 ins., cresswise on each line, E. and W., 4ft., and N. of post, 8ft. dist.; and raise a mound of earth, 8ft. base, 2, 1/2 ft. high, N. of cor.

Nentrace of old cer. Land, level and relling. Seil, sandy, gravelly and steny; 4th rate. Timber, scattering mesquite and paleverde. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.00 chs.

Through R.6 this line runs ever level and rolling land; soil being sandy, gravelly and stony; 3rd and 4th There is growth of scattering mesquite and pale verde timber with a dense undergrowth of greasewood There is no water along this line. and mesquite.

Diligent search failed to disclose any signs of

old cors. through this Rg.

TP:5N R 6 W.is level in the E. and relling in the

Tp.4N R.6 W is level in the E., relling in the W. and mountains in the S.W.

There are no settlers along this line.

December 10,1908.

First Standard Parallel North through Range 7 West.

	T ant APP REGARING
chain	December 11; At. 8/a.m., 1.m.t., I set off 33° 43'30"N.
	en the lat.arc; 22°57'S.en the decl arc, and determine
	a meridian with the selar at the cer.ef Tps.5 N Rs.6
	and 7 W.; thence F run
	west on S.hdy.of sec.36.
	Over relling land and through dense underbrush.
16.1	Wash 20 lks.wide, course N.
	Difference between measurements of 40.00 chs, by two
	sets of chairmen is 10 kks.; position of middle point
	By 1st set, 40.05 chs.
	By 2nd set, 39.95 chs.; the meah of which is
40.0	set a malpais stene 21x12x8 ins., 16 ins. in the ground,
	for standard & sec.cer., marked SC & on N. face; and
	raise a mound, of atome, 2ft. base, 1, 1/2 ft. high, N. of cor.
1.1	pits impracticable. No trace of old cor.
	Difference between measurements of 80.00 chs.by two
	sets of chairmen is 12 1ks.; position of middle point
	py 1st set. 80.06 chs.
	ny and set 79 94 chs.: the mean of which is
80.	oo get a malnais stane 24x12x10 ins18ins.in the ground, rer
30.	- I standard car of secs 35 and 36! marked SC on N. Will -
	I among on the and E broove on W. Tacoc and Taise a mound
	of stone, 2ft. base, 1,1/2 ft. high, N. of cor. Pits impraticab
	Ne trace of old cer.
	I and relling
	Soil, sandy, gravelly and steny; 4th rate.
	Timber, scattering paleverde.
	. Tindarhruch gressewsod Mesquite and Cactus.
	Land covered with dense underbrush, 80.00 chs.
	PSUG COALECT MICH CHAINS COMP.
	went on a hou of gon SE
• ∳	
'	
	underbrush.
2.	wash 20 lks wide, course, N.E.
	Difference between measurements of 40.00 chs by two
	sets of chairmen is 10 lks.; position of middle point
	Ry 1st set, 40.05 chs.
1	By 2nd set, 39.95 chs.; the mean of which is
40.	oo set a malpais stene 24x8x6 ins., 18 ins.in the ground,
	was atmodered a con car marked SC 5 on N. IRCs. Red Patron
	a mound of stone 2ft.base,1,1/2 ft.high,N.er cor. Pits
	impracticable. No trace of old cor.
58.	20 Old road bears N. E. and S.W.
65.	10 wash 015 clks wide course, N.E.
70.	00 Enter mountainous land; asc.
78	and man as widow hears N. andS.: des.
, ,	nifference between measurements of 80.00 chs.by two
	sets of chainmen is I4 lks.; position of middle point
	by 1st set. 80.07 chs.
	ny and get 79 93 chs.: the mean of which is
600	too gai a malnake stane 21x8x6ing. 16 ins.in the ground, for
80.	I standard can of secs 34 and 35 marked SC on N., William
	I we want on to and alreadyes on W.IRCs. and raiss a
1.	mound of stone, 2ft. haga, 1, 1/2 ft. high, N. of cor. Pits
.	impracticable. Ne trace of old cor.
.	Impractication and maintainals
	Land, relling and mountainous. Seil, sandy, gravelly abnd steny; 4th rate.
	SOIL, SARDY, BLAVELLY STORY DOWN, TON THE PARTY OF THE PA
	Eimber, scattering paleverde.
	Underbrush, greasewood and mesquite. Land mountainous and covered with dense underbrush,80.00
•	chs.
<u>'</u>	
-	west on S. bdy.of sec.34.
4)	Des.ever mountainous land and through dense brush.
10	OC west of des.; ever relling land.
the second second second	AA WALL TE The wide college N.E.
1-0	Till missenance between measurements of 40.00 cns.by we
	sets of chaimmen is 8 lks.; position or middle point
	By 1st set, 40.04 chs.
San F	· · · · · · · · · · · · · · · · · · ·

3/BOOK 2121

Resurvey of wirst. Standard Parallel North through Range 7 West.

elfains	By 2nd set, 39.96 chs.; the mean of which is
10.00	Set a malnate etana lovovotna lo
	Set a malpais stena, 18x8x8ins., 12 ins. in the ground, der standard 2 sec.cer., marked SC 2 en N. face; and raise a
	mound of stone 2ft.base,1,1/2 ft.high N.ef cor. Pits
	impracticable. Ne trace ef eld cer.
49.10	Wash 15 lks.wide bears N.
63.90	Wash 15 lks wide, bears N.
75.70	Wash 15 lks.wide, bears N.
	Difference between measurements of 80.00 chs.by two
	sets of chairmen is 10 lks.; position of middle paint
	By ist set, 80.05 chs.
80.00	By 2nd set, 79.95 chs.; the mean of which is
30.00	Set a malpais stone, 21x10x10 ins., 16ins. in the ground,
	for standard cor. of secs. 33 and 34, marked SC on N.; with
	S greeves en E., and S greeves en W.face; and raise a mound of stene, 2ft. base, 1,1/2 ft. high, N. of cor. Pits
	impracticable. Ne trace of old cor.
	Land, relling and mountainous
	Soil, sandy, gravelly and stony: 4th rate.
	Timber, scattering paloverde
	Underbrush, greasewood and mesquite
	Land, mountainous and covered with dense underbrush 80.00
	chs.
	Went on a ban of an are
	West on S.bdy.of sec.33.
3.25	Over relling land and through dense underbrush. wash 20 lks.wide course, N.E.; asc.
17.00	Ridge, bears N.E. and S.W.; desc.
25.10	Wash 20 lks wide course, N.E.; asc.
36.60	Top of Ridge 300ft.abeve wash, bears N.N.F. and S.S.W. dese.
'	Difference between measurements of 40.00 chs by two
	sets of chairmen is 8 lks.; position of middle point
	By 1st set, 40.04 chs.
	By 2nd set, 39.96 chs.; the mean of which is
40.00	The point for standard & sec.ser.falls on perphyry rock
	in place, 20x18x6 ins above ground, on which
	Cut a fx) at the corner point, for standard \(\frac{1}{2} \) sec.cor. marked SC \(\frac{1}{2} \), on N. side of cross; and raise a mound of
	stone 2ft.base,1,1/2 ft.high,N.ef.cer. Pits impraticable
	No trace of old cor.
45.40	Wash, 200 ft. below ridge, 20 lks. wide, course N.; asc.
54.00	Top spur, extends N.: desc.
71.15	Wash, 25 lks.wide, course, N.; asc.
77.00	Top spur, extends N desc.
	Difference between measurements of 80.00 chs by two
	sets of chairmen is 14 lks.; position of middle point
	Ry 1st set, 80.07 chs.
80.00	By 2nd set, 79.93 chs.; the mean of which is Set a perphyry stems, 21x8x6 ins., 16 ins.in the ground,
00.00	for standard cor. of secs. 32 and 33, marked SC on N:
	with 4 greeves on E., and 2 greeves on the W.face; and
	raise a mound of stone 2ft.base, 1, 1/2 ft.high, N. of cor.
	Pits impraticable. No trace of old cor.
	Land, mountainous.
	Soil, stony, 4th rate.
	Timber, scattering paleverde and mesquite.
	Underbrush, greaseweed and mesquite.
· 1.	Land, mountainous and covered with dense underbrush, 80.00 chs.
•	December 11: At this cer. I sett off 23°00'so" c
	on the decl.arc and observe the sun on the meridian at h
	neen, the resulting lat. is 33° 43' 30" N.
	West on C have a decree
	West on S. bdy.ef sec.32.

West on S. bdy.ef sec.32.

Over mountainous land, descending; and through dense under brush.

First Standard Parallel North through Range 7 West.

Ť	chains	
	6.65	wash 20 lks wide course, N.
	11.65	wash 25 lks wide course, N.N.E.; asc.
	25.40	man of sharp ridge hears N. and S.; desc.
	39.60	week 30 lks wide course N : and over rolling land.
		Difference between measurements of 40.00 chs.by two
-		sets of chainmen is 10 lks.; position of middle point
		tay 1st set. 40.05 chs.
Ì		By 2nd set, 39.95 chs.; the mean of which is
	40.00	Set a quartzite stene 21x8x8 ins.,16ins.in the ground,
		for standard 4 sec. cor., marked SC 4 on N. face; dig pits,
- 1		187 Standard 4 Sand W. of stone, 3ft. dist.; and raise a
.		mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor. Pits im-
		practicable. Ne trace of eld cer.
	42.15	wash 40 lks.wide, ceurse, N.
- 1	56.00	Leave brush; asc. Tep of ridge, 250ft. above wash, bears, N. and S. A high butte
	66.30	stands S. about 60.00 chs.; desc.
-		wash 20 lks.wide, course, S.; asc.
	69.90	Transplanting the turn of
	Ì	sets of chairmen is 16 lks.; position of middle point
ı		nu 1 at cat 80 08 ch5.
ľ		and and 70 GO also the mean of Which 45
	80.00	
ľ	80.00	24insoin the ground for standard cor. of secs. 31 and 32,
		marked
		SC T 5 N R 7 W on N.,
		a mo and to and
		P With E CYROVES ON M. MIN I KIDDYEN
		an W face: and raise a mound of Stone, of the hase, and
İ		high N of cor. Pits impraticants.
	-	No trace of old cor.
		Land, mountainous and relling.
		cail gravelly and stony; 4th rate.
		Timber, scattering paloverde.
		Underbrush, mesquite and paleverde. Land meuntainous and covered with dense underbrush,
		80.00 chs.
		west on S.hdy.of sec.31.
		a service the service of and and through Scallering Pare Sque
	2,00	man af ridge bears, N.E. and S.W., desc. steep steps.
	13.50	wash on the wide course N Asc.
	15.45	
	16.60	
		read from the mine to wickenouse of the control of
	22.90	Ten of ridge, bears N. and S.; desc.
	26.30	Trail, bears N. and S. wash 40 lks.wide, course, N.; onter dense brush.; asc.
	39.15	wash 40 lks.wide, ceurse, N., and the data of 40.00 chs.by two pifference between measurements of 40.00 chs.by two
		pifference between measurements of middle point sets of chairmen is 18 lks.; position of middle point
,		l and and and the mean of white to
		I A SECOND AND A GOD BOY THILLS ON A CHAIL YEARY
	40.00	
		marked SC 4 en N. side el cress. and simpraticable. 2ft.base,1,1/2 ft.high, N. ef cer. Pits impraticable.
		Ne trace of old cor.
	43.00	man of spur bears, N.N.E.; desc.
	48.60	l wash 20 live wide celliss N. P., May .
	61.30	man at ridge bears N. and S.; dwsc.
	71.25	l wash 10 lkg wide course, N., asc.
	75.85	
•	80.00	1
		Difference between measurements of 80.30 chs.by two
	Two seconds	nifference between measurements of middle point sets of chainmen is 16 lks.; position of middle point
		Ry 1st set, 80.38 chs. Ry 2nd set, 80.22 chs.; the mean of which is
		Hy DAG DAY VY

Resurve of

wirst Standard Parallel North through Range 7'West.

chains

Set a malpais stone,24v8v8 ins.,18ins.in the ground, for W.C. to standard cor of Tps.5 N.,Rs.7 and 8 w. marked WC SC on N.; with 6 grooves on N.,E.,and W. taces and raise a mound of stone,2ft.base,1,1/2 ft.high,N.og cor. Pits impraticable.

No trace of old cor.
Land, mountainous.
Soil, gravelly and stony.
Timber, scattering paloverde.
underbrush, greasewood and mesquite.
Land mountainous and covered with denseunderbrush, extremly difficult to survey, 80.00 chs.

Through Range 7 this line runs over rolling and mountainous land, the soil being gravelly and rocky; 4th rate. The land is covered with a growth of scattering paloverde and a thick undergrowth of greasewood, and mesquite. There is no water along this line.

mesquite. There is no water along this line.

Tp.4 N R 7 W is of a mountainous and broken character. Tp.5 N R 7 W is mountainous in the s.w. and rolling in the N. and E. In sec.30 there is a well belong ing to the U.S. Cooper Co., but the supply of water is limited. This well'is about 1 mile W.of the road going from the mine to Wickenburg.

December 11,1908.

chains	
	December 12,; At/8 a.m., 1.m.t., T set off 33°43'30"
	on the lat.arc; 23°04°30"S.on the decl.arc, and determine
	a meridian with the solar at the cor. of Tps.5 N Rs.7
	a meridian with the source to the source to
,	and 8 W.; thence I run West on S. bdy.of sec.36. from true Con point. Over require land transport through dense
	West on S. nay.or sec.on. 7
	Over mountainous land,; dascending through dense
	brush.
0.30	witness cor. to standard cor. of Tps. 5 N Rs. 7 and 8 W.
2.50	manuar riage bears N. and S.: desc.
9.60	wash 15 lks.wide, course, S.W.; and over rolling land.
	Same wash 15 lks wide ,course,N.
14.15	wash 40 lks wide course, N.
20.TO	Wash 40 1kg wide course, w
38.20	wash 20 lks wide, course, N.
	Difference between measurements of 40.00 chs by two
1	sets of chainmen is 10 lks.; position of middle point
	Ry 1st set, 40.05 chs.
	ng and set 39 95 chs.: the mean of which is
40.00	got a malnate stone 21x10x8 ins. 161ns.in the ground
30.00	see standard & see car marked SC 7 ON N. Tace. and
	raise a mound of stone, 2ft. base, 1; 1/2 ft. high, N. of cor.
	Pits impraticable.
_	PIUS IMPIGUIUGUAV.
45.50	wash 40 lks.wide, course N.
46.30	Road, hears N. and S.
65.15	wash 20 lks.wide, course, N.
	Difference bytween measurements of 80.00 chs.by two
	sets of chairmen is 14 lks.; position of middle point
	By 1st set, 80.07 chs.
1	By 2nd set, 79.93 chs.; the mean of which is
80.00	set a quartzite stone 20x10 x5 ins., 15ins.in the
	The same of the and 5 grooves on walking the
	raise a mound of stone, 27t. base, 1,1/2 it; high, w.or co-
	Pits impraticable.
	Land mountainous and rolling.
· ·	soil gravelly and stony; 4th rate.
	wimber scattering paloverde.
	I Indombrich mecallite and Dalovera:
	t and mountainous covered with dense underblush and
	exceptional difficult to survey, 80.00 chs.
	west on S.bdy.of sec.35.
	Over rolling land and through scattering paloverde
	timber and dense underbrush.
	wash 60 lks.wide, course, N.
16.25	Difference between measurements of 40.00 chs.by two
	plirerence between measurement of middle point
	sets of chainmen is 8 lks.; position of middle point
	By 1st 'set, 40.04 chs.
	By 2nd set, 39.96 chs.; the meah of which is
40.00	Set a malpais stone, 24x8x6 ins., l8ins.in the ground
	I a land I am Ann Marken St. 5 Ott Nathative City
	raise a mound of stone 21t base,1,1/2 it.high, will con-
	pits impraticable.
58.60	man le lle wide course N.
	1 - Interior no between measurements of 80.00 cms, by www
	sets of chairmen is 12 lks.; position of middle point
	Dr. let set. 80.06 chs.
	1 ' One cot 70 04 chg the mean of which is
00.00	l a la la chann 91 vava ing 161ns. in the ground
80.00	I a - I - I - I - I - I - I - I - I - I
1	I am and an I and Albronves on Waldur, and Identity
1.	a mound of stone 2ft.hase,1,1/2 ft.high,N.of cor. Pits
	impraticable.
	Impraction.
	Land, rolling. Soil, gravelly and rocky; 4th rate.
	Timber scattering mesquite and paloverde.
	Indombnish greasewood and Mesquitte.
	Land covered with dense underbrush, 80.00 chs.
	PRINT COASTON AFAIT COURSE

wirst Standard Parallel North through Range 8 West.

lenarus	de de la destaction de	
011.11.1	West on S have of see 74	Ī
	West on S.bdy.of sec.34.	
	Over rolling land and through scattering paloverde	
	and dense underbrush.	ı
24.1	5 Wash 90 lks wide, course, N.; over bottom land.	l
	Difference between measurements of 40.00 chs.by two	
1	The state of the s	l
	sets of chairmen is 6 lks.; position of middle point	l
İ	By 1st set, 40.03 chs.	
	By 2nd set, 39.97 chs.; the mean of which is	
40.00	set a mesquite post, 3ft.long, 3ins.sq., with marked stone	ĺ
1	24 ins. in the ground, for standard 2 sec. cor., marked	ĺ
	SC 4 S ZA on N School die nite low Towlo in . marked	į
l	SC 4 S 34 on N. face; dig pits 18x18x12 ins., E. and W. of	l
	post, 3ft.dist.; and raise a mound of earth 3,1/2 ft.base	Į
	1,1/2 ft.high, N. of cor.	
56.35	Wash, 60 lks. wide, course N.	
72.30		
	Difference between measurements of 80.00 chs.by two	•
	sets of chainmen is 8 1ks.; position of middle point	
	sets of charmen is a twa position of middle point	
	By 1st set, 80.04 chs.	
1	By 2nd set, 79.96 chs,; the mean of which is	
80.00	Top of ridge. Set a granite stone 24x10x6 ins. 18ins.	
1,	in the ground for standard con. of, secs. 33 and 34,	
1 .	marked SC on N.; with 3 grooves on E. and 3 grooves on	
1	W.face; and raise a mound of stone 2ft.base,1,1/2 ft.	
-	high, N. of cor. Pits impraticable.	
	Land, rolling and mountainous.	
	Soil, sandy, gravelly and stony; 4th rate.	
į	Timber, scattering paloverde and mesquite.	
	Underbrush, graasewood and mesquite.	
	Land covered with dense underbrush and mountainous.	
	80.00 chs.	
	necember 12; At this cor.I set off 23°05's.on the	
	decl.arc and observe the sun on the meridian at noon,	
	the resulting lat.is 33°43'30"N.	
	West on S.bdy.of sec.33.	
	Over mountainous land, and descending through scatteri-	
-		
~ ~ ~	ing brush.	
7.10	Wash, 10 lks.wide, course, N.; asc.	
25.00	Top of spur, extends, S.E.; desc.	
34.15	wash, 20 lks.wide, course-S.E.; asc.	
	pifference between measurements of 40.00 chs.by two	
	sets of chairmen is 8 lks.; position of middle point	
	Ry 1st set, 40.04 chs.	
	By 2nd set, 39.96 chs.; the mean.of which is	
	By And Sec, 58.89 Girs., the mean. or which is	
40.00	The point for standard 1 sec.cor., talls on a porphyry	
	rock in place, 24x24x20 ins.above the ground, on which	
	I'cut a (x) at the corner point, for standard \frac{1}{2} sec.	
,	cor, marked SC 2 on N. side of cross; and raise a mound	
	of stone 2ft.base, 1,1/2 ft.high, N.of sor. Pits imprat-	
	icable.	
.50.00	Top of S.slope of high peak; desc.	
62.35	wash 20'lks wide, course, S.E.; asc.	
68.20	Top of ridge, bears N.E. and S.W.; desc.	
70.00	Top of a high peak bears N.about 6 chs.dist.;asc.	
74.60	pescend through dense paloverde brush.	
79.90	wash 15 lks.wide, course, N.; and over rolling land.	
	nifference between measurements of 80.00 chs.by two	
×	sets of chairmen is 16 lks.; position of middle point	
	By 1st set, 80.00 chs.	
• •		
	By 2nd set, 89.92 chs.; the mean of which is	
80.00	set a porphyry stone 21x10x6 ins.,16 ins.in the ground	
	for standard cor. of secs. 32 and 33, marked SC on N.;	
	with 4 grooves on the E.and 2 grooves on the W.face;	
	and raise a mound of stone, 2ft.base, 1,1/2 ft.high, N. of c	
	cor. Pits impraticable.	
	Land, mountainous and rolling.	
	Soil, stony; 4th rate.	
•	Timber, scattering paloverde.	
	Underbrush, greasewood and paloverde.	

wirst Standard Parallel North through Range 8 West.

-	charns	
-	0	Land mountainous, and covered with dense underbrush,
		exceptional difficult to survey, 80.00 chs.
		exceptional difficult to salvoy, octobers.
-		
.		
-		west on S.hdy.of sec.32.
١		Over rolling land, through dense underbrush and
		scattering paloverde.
	26.15	Wash 20 lks.wide, course, N.; asc.
-	71 AA	Tan of ridge hears N. and S.: desc.
- 1	51.00	Vash, 15 lks. wide course, N.W.; over nearly level land.
١	34.60	Difference between measurements of 40.00 chs by two
ı	•	Difference Detween measurements of 10.00 of middle noint
		sets of chairmen is 6 lks.; position of middle point
		pv 1st set 40.03 chs.
		By 2nd set, 39.97 chs.; the mean of which is
		Set a malpais stone, 24x8x6 ins., 18 ins. in the ground,
	40.00	Set a maipais stone, 272000 and 1 and 2 and
		for standard 4 sec.cor., marked SC 2 on N. face; and
		raise a mound of stone, 2 ft. base 1,1/2 ft.high, N.of
		cor. PIts impraticable.
		GUI: 11 to midd councy M
	40.50	Wash 20 lks.wide course, N.
	59.75	Wash 20 lks.wide, course, N.; asc.
	66.20	Top of ridge bears N.and S.: desc.
		wash 20 lks.wide, course, N.; leave dense brush.
	73.30	many atom along
	75.80	Ascend steep slope.
		Difference between measurements of 80.00 chs by two
		sets of chairmen is 14 lks.; position of middle point
		by 1st set 80.07 chs.
		ny and set 79 95 chs.: the mean of which is
	•	By And Set, 13.00 Olmi, the inc. 16 inc in the ground
	80.00	Set a porphyry stone, 21x10x5 ins., 16 ins. in the ground
		for standard cor of secs. 31 and 32, marked Sc on N.qn
		mith a groove on F and A grooves on W. Iace: and raise:
		armound of, stone, 2ft, base, 1, 1/2. ft. high, N. of cor.
		M. Mountain of the state of the
		pits impraticable.
		Land, rolling and mountainous.
		soil gravelly and stony; 4th rate.
	l .	Timber, scattering paloverde.
	. •	Underbrush, paloverde and mesquite.
		Under or use, parties and analysis or mountainous.
		Land covered with dense underbrush or mountainous,
		80.00 chs.
	1	
	<u> </u>	west on S,bdy.of sec.31.
		Over mountainous land ascending through a growth
		Over mountainous tand ascending through a grown
		scattering paloverde and Ironwood.
	4.50	Top of ridge, bears N. and S.; desc.
		wash, 20 lks.wide, bourse, S.; asc.
	10.60	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	27.20	rop of sharp ridge, bears Nandus; desc.
		The steen and a hatwaan measurements of to vo cup. V. Troubles
		sets of chairmen id 10 lks.; position of middle point
	1	nw 1a+ ca+ 40 05 chs.
	1	
	1	I THE TAX STAND STRONG TO THE THE THE THE RESULTED TO
	40.00	Set a porphyry stone zixoxo ina., 1
		I ALL ALANDONA & BOA MAY MATKED NO 7 UN BARGUYA CHAC
		raise a mound of stone 2 ft, base, 1, 1/2 ft. high, N. of
		cor. pits impraticable.
	40.80	wash 10 lks.wide, course S.W.; asc.
	45.30	Top of spur, bears S.W.; desc.
	47.90	wash 20 lks.wide course, S.; asc.
1		Top of ridge, bears N. and S.; desc.
	56.60	Wash, 20 lks.wide course, S.W.; asc.
	61.50	The state of the s
	70.00	Top of ridge, bears N. and S.; desc.
		Transport to two on the selection of the
	1	sets of chairmen is 14 lks.; position of middle point
	1	m 1 at act 90 07 chs
	1200	By 2nd set, 78.80 chs., old mount of white
•	80.00	Set a malpais stone, 24x10x8 ins., 18 ins.in the ground
	1	I TO THE TAX THE PARTY OF THE P
		I MALE C AMARICA ON N H MINI WALKED A CHALL A CHANG
		a mound of stone 2ft.base,1,1/2ft.high,N.of. cor.
		a mound of Mound of Company and and and and and and and and and and
	1.	Pits impraticable.
	1.4 P. 1.	

37

First Standard Parallel North through Range 8 West.

Land, mountainous.
Soil, gravelly, and stony: 4th rate
Timber, paloverde and ironwood.
Underbrush, greasewood and mesquite.
Mountainous land, 80.00 chs.

Through Range 8 this line mountainous and rolling land, the soil being gravelly and stony; 4th rate, and covered with a scattering growth of paloverde, and, and an undergrowth of paloverde and mesquite. There is no water along this line.

water along this line.

Tp.4 N R S W is mostly rolling but is broken and mountainous in the S.W.

TP.5 N R 8 W is rolling, broken and mountainous. There are no settlers along this line.

December 12,1908.

-	chains		
	CUMTHR	December 13; At 8/a.m., 1.m.t., 1 set off 33°43'30"N.on	
		the lat.arc; 23°06's.on the decl.arc and determine a	
		the latiation and the hear of magnetic and	
-		meridian with the solar at the cor. of Tps. 5 N, Rs. 8 and	
		9 w., Thence II run	
		west on S. bdy.of sec.36.	
		Over mountainous land; descending.	
	1.35	wash, 60 lks.wide, course, N.W., begin steep ascent.	
	16.50	Top of ridge bears N. and S.: desc., enter dense brush.	
	30.30	wash 60 lks wide, course, S.W.; over rolling and brokenland	1
	00.00	Difference between measurements of 39.00 chs by two	
		sets of chairmen is 12 lks.; position of middle point	
		By 1st set, 39.06 chs.	
		my 2nd set, 38.94.chs.; the mean of which is	
		By 2nd Set, 30.44. cns., one mean or witten to	
	39.00	set a porphyry stone, 21x8x8 ins., 16 ins in the ground,	
		for W.C. to standard & sec.cor., marked WC SC & on N. face	
		and raise a mound of stone, 2ft.base, 1,1/2 ft.high, N.of	
		cor. Pits impraticable.	
	40.00	Point for cor.falls in a wash 60 lks.wide,courseN.W.	
	55.25	wash, 40 lks.wide, course, N.	
	69.90	Wash, 60 lks wide, course S.W.	
	13.2.00	Difference between measurements of 80.00 chs.by two	
		sets of chainmen is 14 lks.; position of middle point	
		By 1st set, 80.07 chs,	
		By 2nd set, 79.93.chs.; the mean of which is	
		Hy 2nd Set, 79.95.6ns., one mount of which is	
	80.00	Set a porphyry stone 18x10x8 ins.,12 ins.in the ground	
		for standard cor. of secs. 35 and 36, marked SC on N., with	
		1 groove on E., and 5 grooves on W.face; and raise a	
		mound of stone, 2ft. base, 1, 1/2ft. high, N. of cor.	
		Pits impraticable.	•
	•	Land rolling broken and mountainous.	
		coil gravelly and stony: 4th rate.	
	_	Timber, scattreing mesquite and paloverde.	
		Underbrush, mesquite and paloverde.	
		Mountainous land or land covered with dense under brush	
		I MANITOT STITION IN INCIDENT TO A COLUMN STATE OF THE ST	
	1		
	_	80.00 chs.	
	-		
	-	80.00 chs.	
	-	west on S.bdv.of sec.35.	
	-	west on S.bdv.of sec.35.	
	_	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde	
		west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush.	
	8.50	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.	
	19.75	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. wash 100 lks.wide, course, S. wash 20 lks.wide, course, S. W.	
	19.75	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. wash 100 lks.wide, course, S. wash 20 lks.wide, course, S. w. wash 10 lks.wide, course, S. w.	
•	19.75	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. wash 100 lks.wide, course, S. wash 20 lks.wide, course, S.W. wash 10 lks.wide, course, S.W. pifference between measurements of 40.00 chs.by two	
	19.75	west on S.bdy.of sec.35. Over rolling land and through scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point	
	19.75	west on S.bdy.of sec.35. Over rolling land and through scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By 1st set. 40.04 chs.	
	19.75	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements 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	
	19.75	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry 1st set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is	
	19.75 38.90	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry 1st set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins. in the ground	
	19.75 38.90	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry 1st set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins. in the ground	
	19.75 38.90	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry 1st set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins.in the ground for standard 1 sec.cor., marked SC 1 on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft. high, N. of cor.	
	19.75 38.90 40.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 20 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry 1st set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins.in the ground for standard 1 sec.cor., marked SC 1 on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft. high, N. of cor- Pits impraticable.	
	19.75 38.90 40.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements 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 malpais stone, 24x10x8 ins., 18 ins.in the ground for standard 2 sec.cor., marked SC 4 on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft. high, N.of cor Pits impraticable. Along the S. side of a deep wash.course, W.	
	19.75 38.90 40.00	west on S.bdy.of sec.35. Over rolling land and through scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements 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 malpais stone, 24x10x8 ins., 18 ins.in the ground for standard 1 sec.cor., marked SC 1 on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N.of cor pits impraticable. Along the S. side of a deep wash, course, W.	
	19.75 38.90 40.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. wash 100 lks.wide, course, S. wash 20 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry 1st set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins.in the ground for standard ½ sec.cor., marked SC ½ on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Price wence between measurements of 81.00 chs.by two	
	19.75 38.90 40.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S. W. Wash 20 lks.wide, course, S. W. Wash 10 lks.wide, course, S. W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry 1st set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins.in the gmound for standard 1 sec.cor., marked SC 1 on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft. high, N. of cor- pits impraticable. Along the S. side of a deep wash, course, W. Difference between measurements of 81.00 chs. by two sets of chairmen is 10 lks.; position of middle point	
	19.75 38.90 40.00	west on S.bdy.of sec.35. Over rolling land and through scattering paloverde Timber, and dense underbrush. wash 100 lks.wide, course, S.W. wash 20 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry lst set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24xl0x8 ins., l8 ins.in the ground for standard \(\frac{1}{2}\) sec.cor., marked SC \(\frac{1}{4}\) on N.face; and raise a mound of stone 2ft, baes, l, l/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point	
	19.75 38.90 40.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. wash 100 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry lst set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins.in the ground for standard \(\frac{1}{2}\) sec.cor., marked SC \(\frac{1}{4}\) on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point By 1st set, 81.05 chs.	
	19.75 38.90 40.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 20 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry 1st set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins.in the ground for standard \(\frac{1}{2}\) sec.cor., marked SC \(\frac{1}{2}\) on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chairmen is 10 lks.; position of middle point Ry 1st set, 81.05 chs. Ry 2nd set, 80.95 chs.; the mean of which is	
	19.75 38.90 40.00 76.10 80.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry lst set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins.in the ground for standard ½ sec.cor., marked SC ½ on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Phoint for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point By 1st set, 81.05 chs. Ry 2nd set, 80.95 chs.; the mean of which is Set a quartzite stone 24x10x8 ins., 18ins.in the ground	
	19.75 38.90 40.00 76.10 80.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 20 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins.in the ground for standard & sec.cor., marked SC & on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft. high, N. of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point By lst set, 81.05 chs. By 2nd set, 80.95 chs.; the mean of which is Set a quartzite stone 24x10x8 ins., 18ins.in the ground for Wic. to standard cor. of secs.34 and 35, marked WC	
	19.75 38.90 40.00 76.10 80.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. wash 100 lks.wide, course, S.W. wash 20 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set malpais stone, 24x10x8 ins., l8 ins.in the gmound for standard lsec.cor., marked SC lon.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point By lst set, 81.05 chs. By 2nd set, 80.95 chs.; the mean of which is Set a quartzite stone 24x10x8 ins., l8ins.in the ground for Wic. to standard cor.of secs.34 and 35, marked WC SC on N., with 2 grooveson E., and 2 grooves on W.face; and raise a mound of stone, 2ft, base, 1, 1/2 ft.high, N.	
	19.75 38.90 40.00 76.10 80.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry lst set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set malpais stone, 24x10x8 ins., l8 ins.in the gwound for standard l sec.cor., marked SC l on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N. of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point Ry lst set, 81.05 chs. Ry 2nd set, 80.95 chs.; the mean of which is Set a quartite stone 24x10x8 ins., l8ins.in the ground for WtC. to standard cor.of secs.34 and 35, marked WC SC on N., with 2 grooveson E., and 4 grooves on W.face; and raise a mound of stone, 2ft, base, 1, 1/2 ft.high, N.	
	19.75 38.90 40.00 76.10 80.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements 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 malpais stone, 24x10x8 ins., l8 ins.in the gwound for standard ½ sec.cor., marked SC ½ on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft. high, N. of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs. by two sets of chainmen is 10 lks.; position of middle point By 1st set, 81.05 chs. By 2nd set, 80.95 chs.; the mean of which is set a quartzite stone 24x10x8 ins., l8ins.in the ground for W.C. to standard cor.of secs.34 and 35, marked WC SC on N., with 2 grooveson E., and 4-grooves on W.face; and raise a mound of stone, 2ft, base, 1, 1/2 ft. high, N. of cor. Pits impraticable.	
	19.75 38.90 40.00 76.10 80.00	West on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chairmen 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 malpais stone, 24x10x8 ins., l8 ins.in the ground for standard 1 sec.cor., marked SC 1/4 on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chairmen is 10 lks.; position of middle point By 1st set, 31.05 chs. By 2nd set, 90.95 chs.; the mean of which is Set a quartzite stone 24x10x8 ins., l8ins.in the ground for WiC. to standard cor.of secs.34 and 35, marked WC SC on N., with 2 grooveson E., and 4-grooves on W.face; and raise a mound of stone, 2ft, base, 1, 1/2 ft.high, N. of cor. Pits impraticable: Land, rolling. School of the course, S.W. Wash 100 lks. with 2 grooves on W.face; and conversely and stony.	
	19.75 38.90 40.00 76.10 80.00	West on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chairmen 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 malpais stone, 24x10x8 ins., l8 ins.in the ground for standard 1 sec.cor., marked SC 1/4 on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chairmen is 10 lks.; position of middle point By 1st set, 31.05 chs. By 2nd set, 90.95 chs.; the mean of which is Set a quartzite stone 24x10x8 ins., l8ins.in the ground for WiC. to standard cor.of secs.34 and 35, marked WC SC on N., with 2 grooveson E., and 4-grooves on W.face; and raise a mound of stone, 2ft, base, 1, 1/2 ft.high, N. of cor. Pits impraticable: Land, rolling. School of the course, S.W. Wash 100 lks. with 2 grooves on W.face; and conversely and stony.	
	19.75 38.90 40.00 76.10 80.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., l8 ins.in the gmound for standard 2 sec.cor.marked SC 2 on N.face; and raise a mound of stone 2ft, baes, l, l/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point By lst set, 91.05 chs. By 2nd set, 90.95 chs.; the mean of which is Set a quartzite stone 24x10x8 ins., l8ins.in the ground for WiC. to standard cor.of secs.34 and 35, marked WC SC on N., with 2 grooveson E., and 4-grooves on W.face; and raise a mound of stone, 2ft, base, l, l/2 ft.high, N. of cor. Pits impraticable. Land, rolling. Soil, gravelly and stony. Thinker scattering baloverde and ironwood.	
	19.75 38.90 40.00 76.10 80.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. wash 100 lks.wide, course, S.W. wash 20 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point Ry lst set, 40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., 18 ins. in the gmound for standard 1 sec.cor., marked SC 1 on N.face; and raise a mound of stone 2ft, baes, 1, 1/2 ft.high, N. of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point Ry 2nd set, 81.05 chs. Ry 2nd set, 80.95 chs.; the mean of which is Set a quartzite stone 24x10x8 ins., 18ins. in the ground for WiC. to standard cor.of secs.34 and 35, marked WC SC on N., with 2 grooveson E., and 4-grooves on W.face; and raise a mound of stone, 2ft, base, 1, 1/2 ft.high, N. of cor. Pits impraticable. Land, rolling. Soil, gravelly and stony. Timber, scattering, paloverde and ironwood. Underbrush grassewood and mesquite.	
	19.75 38.90 40.00 76.10 80.00	west on S.bdy.of sec.35. Over rolling land and thruogh scattering paloverde Timber, and dense underbrush. Wash 100 lks.wide, course, S.W. Wash 10 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a malpais stone, 24x10x8 ins., l8 ins.in the gmound for standard 2 sec.cor.marked SC 2 on N.face; and raise a mound of stone 2ft, baes, l, l/2 ft.high, N.of cor. Pits impraticable. Along the S. side of a deep wash, course, W. Point for cor.falls on steep bank of wash. Difference between measurements of 81.00 chs.by two sets of chainmen is 10 lks.; position of middle point By lst set, 91.05 chs. By 2nd set, 90.95 chs.; the mean of which is Set a quartzite stone 24x10x8 ins., l8ins.in the ground for WiC. to standard cor.of secs.34 and 35, marked WC SC on N., with 2 grooveson E., and 4-grooves on W.face; and raise a mound of stone, 2ft, base, l, l/2 ft.high, N. of cor. Pits impraticable. Land, rolling. Soil, gravelly and stony. Thinker scattering baloverde and ironwood.	

First Standard Parallel North through Range 9 West.

	1.	ist Standard Parallel North through Range 9 West.
	chains	
		Over rolling land through scattering paloverde
	0 770	and dense brush. Along S.side of wash.
	1.00	Leave wash; course, S.W. W.C.for cor.of secs.34 and 35.
	9.50	Wash 80 lks.wide, course, S:
	24.30	
	32.55	wash 30 lks.wide,course,S.
	39.20	Regin steep ascent:
		Difference between measurements 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
	40.00	On E.slope of rocky peak; Set a porphyry stone 18x10x5
	c .	ins., 12ins.in the ground, for standard & sec.cor., marked
	•	SC 2 on-N face; and raise a mound of stone 2ft.base,
	40.00	1,1/2 ft.high,N.of cor. Pits impraticable.
	46.20 47:25	Top of rocky peak, about 170ft. above \(\frac{1}{4} \) cor:
	55.90	Wash 15 lks.wide, course S.E.; asc:
	61.65	wash 30 lks.wide,course,S.E.
	67.20	Ascent becomes steeper.
		nifference between measurements of 80.00 chs.by two
		sets of chainmen is 12 1ks.; position of middle point.
		By 1st set, 80.06 chs.
	80.00	By 2nd set, 79.94 chs.; the mean of which is set a quartzite stone, 18×10×6 ins., 12 ins.in the ground
	30.00	for standard cor.of secs.33 and 34, marked SC on N., ti
		with I groove on the E., and I grooves on the W.face; and
		raise a momid of stone 2ft.base,1,1/2 ft.high,N.of cor.
		Pits impraticable.
		Land, mountainous and rolling.
	·	Soil, gravelly and stony.
		Timber, scattering paloverde and ironwood. Underbrush, greasewood and mesquite.
	r .	Mountainous land covered with dense unberbrush, except-
		ional difficult to survey, 80.00 chs.
		December 13, At this cor. I set off 23°09'30"s.on
	•	the decl.arc, and observe the sun on the meridian at
		noon the resulting lat.is 33°43'30"N.
		west on S.bdy.of sec.33.
		Over mountainous land ascending through dense
		underbrush.
	5.40	Top of high ridge, hears N. and S.
	6.60 26.00	Descend. Wash 30 lks.wide,course,N.;asc.
	20.00	Difference between measurements of 40.00 chs by two
	•	sets of chairmen is 10 lks.; position of middle point
		By 1st set, 40.05 chs.
		By 2nd set, 39.95 chs.; the mean of which is
	40.00	set a porphyry stone 21x10x5 ins., 16 ins. in the ground
	,	for standard 1 sec.cor., marked SC 1 on N.face; and raise mound of stone 2ft.base, 1, 1/2 ft.high, N.of cor.
		Pits impraticable.
	41.90	Top of ridge , bears N. and S.; desc.
		Difference between measurements of 80.00 chs.by two
		sets of chaimmen is 16 lks.; position of middle point
-		By 1st set, 80.08 chs. By 2nd set, 79.92 chs.; the mean of which is
	80.00	set a porphyry stone 18x8x6 ins., leins.in the ground,
	34.00	for standard dor. of secs. 32 and 33, marked SC onn.,
		with 4 groove on E., and 2 grooves on W.face; and raise
		a mound of stone 2tt.base,1,1/2 ft.high,N.of cor.
		Pits impraticable.
	,	Land, mountainous.
		Soil, gravelly and rocky.; 4th rate. Timber, paloverde and ironwood.
		Underbrush, paloverde and mesquite and cactus.
		Land mountainous, covered with dense underbrush, except-
		ionaldifficult to survey so.00 chs.
		The state of the s

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	St Standard Faratton No. on Williams
 chierran	west on S.bdy.of sec.32.
	Over mountainous land descending through scattering
	Over Mountained rang descending authorist notages and
	paloverde and dense underbrush.
1.50	Foot descent, bears, N. and S.; over robling land.
7.60	wash 200 lks.wide, course, S.W. Difference between measurements of 40.00 chs.by two
	sets of chairmen is 8 lks.; position of middle point
	sets of chairmen is a iks., position of middle point
	By 1st set, 40.04 chs.
	By 2nd set, 39.96 chs.; the mean of which is
40.00	set a porphyry stone, 18x12x6 ins., 12ins.in the ground
	for standard aec.cor., marked SC on N. face; and
	raise a mound of stone.2ft.base,1,1/2 ft.high,N.of wor.
	Pits impraticable.
[. ·	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
80.00	set a porphyry stone, 18x8x6 ins., 12 ins. in the ground,
	for standard cor. of secs. 31 and 32, marked SC on N., with
	5 grooves on E., and 1 grooves on W.face; and raise a
	mound of stone, 2ft. hase, 1,1/2 ft. high, N. of cor.
	Pits impraticable.
	Land, mountainous.
	Soil.gravelly and stony; 4th mate.
	mimber, scattering, paloverde and ironwood.
	underbruch mesculite and greasewood.
	Land mountainous and covered with dense underbrush,
	80.00 chs.
	East on S.hdy.of sec.31.
	Over rolling land and through scattering paloverde
1	
	timber and dense brush.
1.50	timber and dense brush. wash 20 lks wied, course, S.W.
1.50	wash 20 lks wied, course, S.W.
9.30	wash 20 lks wied, course, S.W. wash 20 lks.wide, course, S.W.
9.30 15.50	wash 20 lks wied, course, S.W. wash 20 lks.wide, course, N.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E.
9.30	wash 20 lks.wide,course,S.W. wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference between measurements of 40.00 chs.by two
9.30 15.50	wash 20 lks wied, course, S.W. wash 20 lks.wide, course, S.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E. pifference betwen measurements of 40.00 chs.by two sets of chairmen is 8 lks.; position of middle point
9.30 15.50	wash 20 lks.wide,course,S.W. wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. pifference betwen measurements of 40.00 chs.by two sets of chairmen is 8 lks.; position of middle point by 1st set.40.04 chs.
9.30 15.50	wash 20 lks.wide,course,S.W. wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chairmen is 8 lks.; position of middle point By 1st set, 40.04 chs. By 2nd set. 39.96 chs.: the mean of which is
9.30 15.50 38.65	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements 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 18x8x5 ins., 12 ins.in the ground
9.30 15.50	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chairmen 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 18x8x5 ins.,12 ins.in the ground for standard 1 sec.com.:marked SC 1 on N.face; and
9.30 15.50 38.65	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chairmen 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 18x8x5 ins.,12 ins.in the ground for standard 1 sec.com.:marked SC 1 on N.face; and
9.30 15.50 38.65	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chairmen 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 18x8x5 ins.,12 ins.in the ground for standard 4 sec.com.; marked SC 4 on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable.
9.30 15.50 38.65 40.00	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements 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 18x8x5 ins.,12 ins.in the ground for standard 4 sec.com.; marked SC 4 on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W.
9.30 15.50 38.65 40.00	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chairmen 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 18x8x5 ins.,12 ins.in the ground for standard 4 sec.com.; marked SC 4 on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash.course,W.
9.30 15.50 38.65 40.00 62.50 67.30	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements 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 18x8x5 ins.,12 ins.in the ground for standard 4 sec.com.; marked SC 4 on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash, course, W. Leave wash 25 lks.wide.course.N.W.
9.30 15.50 38.65 40.00	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements 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 18x8x5 ins.,12 ins.in the ground for standard \$\frac{1}{2}\$ sec.com.; marked SC \$\frac{1}{2}\$ on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,course,W. Leave wash,25 lks.wide,course.N.W. nifference between measurements of 80.00 chs.by two
9.30 15.50 38.65 40.00 62.50 67.30	wash 20 lks wied, course, S.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chaimmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins., 12 ins.in the ground for standard \$\frac{1}{4}\sec.com.; marked SC \$\frac{1}{4}\sec.in N.face; and raisea mound of stone, 2ft.base, 1, 1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash, course, W. Leave wash, 25 lks.wide, course.N.W. Difference between measurements of 80.00 chs.by two sets of chaimmen is 6 lks. position of middle point
9.30 15.50 38.65 40.00 62.50 67.30	Wash 20 lks.wide,course,S.W. Wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set,40.04 chs. Ry 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins.,12 ins.in the ground for standard desc.com; marked SC don N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,course,W. Leave wash,25 lks.wide,course.N.W. nifference between measurements of 80.00 chs.by two sets of chainmen is 6 lks. position of middle point By 1st set.80.03 chs.
9.30 15.50 38.65 40.00 62.50 67.30	wash 20 lks wied, course, S.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is set a porphyry stone 18x8x5 ins., 12 ins.in the ground for standard 4 sec.com; marked SC 4 on N.face; and raisea mound of stone, 2ft.base, 1, 1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash, course, W. Leave wash, 25 lks.wide, course. N.W. Difference between measurements of 80.00 chs.by two sets of chainmen is 6 lks. position of middle point Ry 1st set.80.03 chs. Py 2nd set. 79.97 chs.; the mean of which is
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks wied, course, S.W. wash 20 lks.wide, course, S.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E. Difference betwen measurements 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 18x8x5 ins., 12 ins.in the ground for standard 4 sec.com.; marked SC 4 on N.face; and raisea mound of stone, 2ft.base, 1, 1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash, course, W. Leave wash, 25 lks.wide, course. N.W. nifference between measurements of 80.00 chs.by two sets of chainmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is set a porphyry stone. 21x10x6 ins., 16 ins. in the ground
9.30 15.50 38.65 40.00 62.50 67.30	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set,40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins.,12 ins.in the ground for standard sec.com; marked SC on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bease N.E. and S.W. Enter wash,course,W. Leave wash,25 lks.wide,course.N.W. nifference between measurements of 80.00 chs.by two sets of chainmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,21x10x6 ins.,16 ins.intthe ground for standard cor.of BDSS.5 N.Rs. 10 and 9 W.,marked
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set,40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins.,12 ins.in the ground for standard \$\frac{1}{4}\$ sec.com.; marked SC \$\frac{1}{4}\$ on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,course,W. Leave wash,25 lks.wide,course.N.W. nifference between measurements of 80.00 chs.by two sets of chainmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,2lxl0x6 ins.,16 ins.intthe ground for standard cor.of Epss.5 N Rs. 10 and 9 W.,marked
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide.course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chaimmen 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 18x8v5 ins.,12 ins.in the ground for standard 4 sec.com.;marked SC 4 on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,course,W. Leave wash,25 lks.wide,course.N.W. Difference between measurements of 80.00 chs.by two sets of chaimmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,2lxl0x6 ins.,16 ins.intthe ground for standard cor.of Epss.5 N Rs. 10 and 9 W.,marked SC on N.,with 6 grooves on N., E., and W.faces; and raise a mound of stone 2ft.base,1,1/2ft.high,N.of cor.
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide.course.S.W. wash 20 lks.wide.course.S.W. wash 20 lks.wide course.N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chairmen 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 18x8x5 ins.,12 ins.in the ground for standard \$\frac{1}{2}\sec.cov.;\text{marked SC }\frac{1}{4}\text{ on N.face; and} raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,course,W. Leave wash,25 lks.wide,course.N.W. Difference between measurements of 80.00 chs.by two sets of chairmen is 6 lks. position of middle point By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,2lxl0x6 ins.,16 ins.intthe ground for standard cor.of Bps:.5 N Rs. 10 and 9 W.,marked SC on N.,with 6 grooves on N., E.,and W.faces; and raise a mound of stone 2ft.base,1,1/2ft.high,N.of cor. Pits impraticable.
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks wied, course, S.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chaimmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins., 12 ins.in the ground for standard \$\frac{1}{2}\text{ sec.com.}; marked SC \$\frac{1}{2}\text{ on N.face; and}\$ raisea mound of stone, 2ft.base, 1, 1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash, course, W. Leave wash, 25 lks.wide, course. N.W. Difference between measurements of 80.00 chs.by two sets of chaimmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone, 21x10x6 ins., 16 ins.intthe ground for standard cor. of Bps:. 5 N Rs. 10 and 9 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone 2ft.base, 1, 1/2ft.high, N.of cor. Pits impraticable. Land. nearly level.
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide,course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chaimmen is 8 lks.; position of middle point By lst set,40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins.,12 ins.in the ground for standard \$\frac{1}{2}\] sec.com.; marked SC \$\frac{1}{2}\] on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,course,W. Leave wash,25 lks.wide,course.N.W. Difference between measurements of 80.00 chs.by two sets of chaimmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,2lx10x6 ins.,16 ins.intthe ground for standard cor.of Epss.5 N Rs. 10 and 9 W.,marked SC on N.,with 6 grooves on N., E., and W.faces; and raise a mound of stone 2ft.base,1,1/2ft.high,N.of cor. Pits impraticable. Land, nearly level. Soil grayelly and stiny: 4th.rate.
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide.course.S.W. wash 20 lks.wide course.S.W. wash 20 lks.wide course.N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chairmen is 8 lks.; position of middle point By lst set.40.04 chs. By 2nd set. 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins.,12 ins.in the ground for standard \$ sec.com.; marked SC \$ 1 on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,course.W. Leave wash,25 lks.wide,course.N.W. Difference between measurements of 80.00 chs.by two sets of chairmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,2lxl0x6 ins.,16 ins.inithe ground for standard cor.of Eps.5 N Rs. 10 and 9 W.,marked SC on N.,with 6 grooves on N., E.,and W.faces; and raise a mound of stone 2ft.base,1,1/2ft.high,N.of cor. Pits impraticable. Land, nearly level. Soil,gravelly and stiny; 4th.rate. Timber. Scattering paloverde and ironwood.
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide.course,S.W. wash 20 lks.wide.course,S.W. wash 20 lks.wide course,N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chairmen 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 18x8x5 ins.,12 ins.in the ground for standard 4 sec.com; marked SC 2 on N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,course,W. Leave wash,25 lks.wide,course.N.W. Difference between measurements of 80.00 chs.by two sets of chairmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,2lxlox6 ins.,16 ins.intthe ground for standard cor.of Eps.5 N Rs. 10 and 9 w.,marked SC on N.,with 6 grooves on N., E., and W.faces; and raise a mound of stone 2ft.base,1,1/2ft.high,N.of cor. Pits impraticable. Land, nearly level. Soil,gravelly and stiny; 4th.rate. Timber, scattering paloverde and ironwood. Underbrush mesquite and greasewood
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide.course, S.W. wash 20 lks.wide.course, S.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins., 12 ins.in the ground for standard \$\frac{1}{2}\sec.com.; marked SC \$\frac{1}{2}\sin N. face; and raisea mound of stone, 2ft.base, 1, 1/2 ft.high N. of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash, course, W. Leave wash, 25 lks.wide, course. N.W. Difference between measurements of 80.00 chs.by two sets of chainmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone, 21x10x6 ins., 16 ins.inithe ground for standard cor.of Eps. 5 N Rs. 10 and 9 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone 2ft.base, 1, 1/2ft.high, N. of cor. Pits impraticable. Land, nearly level. Soil, gravelly and stiny; 4th.rate. Timber, scattering paloverde and ironwood. Underbrush, mesquite and greasewood Land covered with dense underbrush, 80.00 chs.
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide.course.S.W. wash 20 lks.wide.course.S.W. wash 20 lks.wide.course.N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set.40.04 chs. By 2nd set.39.96 chs.; the mean of which is Set a porphyry stone 18x8v5 ins.,12 ins.in the ground for standard dec.com.; marked SC don N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,25 lks.wide.course.N.W. Infference between measurements of 80.00 chs.by two sets of chainmen is 6 lks. position of middle point Ry 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,2lxl0x6 ins.,16 ins.intthe ground for standard cor.of Eps.5 N Rs. 10 and 9 W.,marked SC on N.,with 6 grooves on N., E.,and W.faces; and raise a mound of stone 2ft.base,1,1/2ft.high,N.of cor. Pits impraticable. Land, nearly level. Soil,gravelly and stiny; 4th.rate. Timber, scattering paloverde and ironwood. Underbrush, mesquite and greasewood Land covered with dense underbrush, 80.00 chs.
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks wied, course, S.W. wash 20 lks.wide, course, S.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chaimmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins., 12 ins.in the ground for standard \$\frac{1}{2}\ \text{sec.cop.}; \text{marked SC} \frac{1}{2}\ \text{on N.face}; \text{ and} raisea mound of stone, 2ft.base, 1, 1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash, 25 lks.wide, course. N.W. uifference between measurements of 80.00 chs.by two sets of chaimmen is 6 lks. position of middle point Ry lst set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone, 2lxlox6 ins., 16 ins.intthe ground for standard cor.of Bps. 5 N Rs. 10 and 9 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone 2ft.base, 1, 1/2ft.high, N.of cor. Pits impraticable. Land, nearly level. Soil, gravelly and stiny; 4th.rate. Timber, scattering paloverde and ironwood. Underbrush, mesquite and greasewood Land covered with dense underbrush, 80.00 chs. Through Range 9 this line runs over mountainous
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks wied, course, S.W. wash 20 lks.wide course, S.W. wash 20 lks.wide course, N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chaimmen is 8 lks.; position of middle point By lst set, 40.04 chs. By 2nd set, 39.96 chs.; the mean of which is Set a porphyry stone 18x8x5 ins., 12 ins.in the ground for standard 4 sec.com.; marked SC 4 on N.face; and raisea mound of stone, 2ft.base, 1, 1/2 ft.high N.of cor. Pits impraticable. Enter wash, course, W. Leave wash, 25 lks.wide, course. N.W. Difference between measurements of 80.00 chs.by two sets of chaimmen is 6 lks. position of middle point By 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone, 21x10x6 ins., 16 ins.intthe ground for standard cor. of Eps. 5 N Rs. 10 and 9 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone 2ft.base, 1, 1/2ft.high, N.of cor. Pits impraticable. Land, nearly level. Soil, gravelly and stiny; 4th.rate. Timber, scattering paloverde and ironwood. Underbrush, mesquite and greasewood Land covered with dense underbrush, 80.00 chs. Through Range 9 this line runs over mountainous breken and nearly level land.soil being gravelly and
9.30 15.50 38.65 40.00 62.50 67.30 74.40	wash 20 lks.wide.course.S.W. wash 20 lks.wide.course.S.W. wash 20 lks.wide.course.N.W. Trail bears N.W. and S.E. Difference betwen measurements of 40.00 chs.by two sets of chainmen is 8 lks.; position of middle point By lst set.40.04 chs. By 2nd set.39.96 chs.; the mean of which is Set a porphyry stone 18x8v5 ins.,12 ins.in the ground for standard dec.com.; marked SC don N.face; and raisea mound of stone,2ft.base,1,1/2 ft.high N.of cor. Pits impraticable. Enter basin bears N.E. and S.W. Enter wash,25 lks.wide.course.N.W. Infference between measurements of 80.00 chs.by two sets of chainmen is 6 lks. position of middle point Ry 1st set.80.03 chs. By 2nd set, 79.97chs.; the mean of which is Set a porphyry stone,2lxl0x6 ins.,16 ins.intthe ground for standard cor.of Eps.5 N Rs. 10 and 9 W.,marked SC on N.,with 6 grooves on N., E.,and W.faces; and raise a mound of stone 2ft.base,1,1/2ft.high,N.of cor. Pits impraticable. Land, nearly level. Soil,gravelly and stiny; 4th.rate. Timber, scattering paloverde and ironwood. Underbrush, mesquite and greasewood Land covered with dense underbrush, 80.00 chs.

ironwood and paloverde timber and an undergrowth of of dense greasewood and mesquite brush. there is no water along this line.

First Standard Parallel North through Range 9 West.

Through E.5 N R 9 W the land is rolling in the N. and broken and mountainous in the S.

T & N R 9 W is rolling and mountainous and broken There is no settlers along this line.

First Standard Parallel North through Range 10 West,

		irst Standard Parallel North through Range 10 West.
	cnains	December 14; At 8 a.m./1.m.t., I set off 33°43'30"N.
		on the lat.arc; 23° 09'30"S. on the decl.arc and detet-
	1	mine a meridian with the solar as the cor. of Tps. 5 N
	e ·	Rs. 9 and 10 W.; thence I run
	•	West on S.bdy.of sec.36.
		Over nearly levelland and through scattering timber and dense greasewood brush.
	5.90	Wash 60 lks.wide, course, S.W.
	17.90	Wash 30 lks.wide course, S.W.
	22.40	wash, 20 lks.wide, course, S.W.
	36.90	Enter deep wash, course.S.
-	39.60	Leave wash, course S.
		Difference between measure ments of 40.00 chs.by two
• .		sets of chainmen is 10 lks.; position of middle point
		By 1st set, 40.05 chs.
		By 2nd set, 39.95 chs.; the mean of which is
	40.00	Set a perphyry stone 21x10x6 ins.,16 ins.,in the ground
		for standard 4 sec.cor., marked SC 4 on.N .face; and rai
		raise a mound of stone 2ft.base, 1,1/2 ft.high, N. of cor.
	Λ	Patseimpraticablestone
	47.20	Leave basin, bears N. and S.; asc.
,		Toplof ridge hears N. and S.S. desc. over rolling land.
		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
•	80.00	Set a porphyry stone 18x8x8ins., l2ins.in the ground
		for standard cor.of secs. 35 and 36 marked SC on N., wor
		with 1 groove on E., and 5 grooves on W.face; and raise
		a mound of stone 2ft.base, 1,1/2 ft.high, N.of cor.
		Pits impraticable.
	•	Land, level, and rolling.
		Soil, gravelly and stony; 4th rate
		Timber, scattering paloverde and ironwood.
	9,3	Underbrush, greasewood and mesquite,
		Land covered with dense underbrush,80.00 chs.
-		
-		west on S.bdy.of sec.35.
1		Descending over rolling land and through scattering
		timber and dense brush.
	14.50	Wash 20 lks.wide, course, S.W.; over nearly level land.
ł	27.40	Wash, 30 lks.wide, course, S.
1		Difference between measurements of 40.00 chs.by two
		sets of chainmen is 8 lks.; position of middle point.
		Ry 1st set, 40.04 chs.
	40.00	By 2nd set, 39.96 chs.; the mean of which is set a malpais stone 24x10x8ins., 18ins.in the ground a
	40.00	for standard desector marked SOED on N. face; and raise
		a mound of stone 2ft.base 1,1/2 ft.high, N. of cor.
	· .	Pits impraticable.
ľ	47 OF	wash, 30 lks.wide, course S.
1	43.25	wash, 20 lks.wide, course, S.
-	62.20	wash, 20 lks.wide, course, S.
1	68. 25	Wash, 40 lks. wide course, S.
1	72.80	Ascend steeply.
١	79.00	pifference butween measurements.of 80.00 chs.by two
		sets of chainmen is 10 lks.; position of middle point
		By 1st set. 80.05 chs.
		Ry 2nd set, 79.95 chs.; the meanmof which is
	80.00	set a porphyry stone 18x10x6 ins., 12 ins. in the ground.
	30.40	for standard cor of secs. 34 and 35, marked SC on N., with
l	_	Z groove on E and 4 grooves on W.face; and raiese
		a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.
1		Pits impratible.
		Land, rolling, revel and mouhtainous.
		soil, gravely and stony; 4th rate.
	. [Timber, scattering paloverde and ironwood.
1		Indahhmah mhaagawaad and meganite
		Landmountain us and covered with donse underbrush, 80.000
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1		

Fitst Standard Parallel North through Range 10 West.

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chains.
                  west on S.bdy. of sec.34.
                  Ascending over mountainous land through dense brush
           bopshf escarpement,65 ft.high, bears N. and S.; asc. has
 6.40
            Top of rocky ridgebears N.E. and S.W.; desc. rough slope.
14.00
            Descend abruptly about 80ft.
 34.75
              Difference between measurements of 40.00 chs.by two
            sets of chairmen is 8 lks.; position of middle point
                  By 1st set, 40:048chs.
By 2nd set, 339.96 chs.; the mean of which is
            Set a malpais stone.18x12x10, ins.,12 ins.im the ground for standard \( \frac{1}{4} \) sec cor., marked SC \( \frac{1}{4} \) on N.face; and raise a mound of stone 2ft.base,1,1/2ft.high,N.of cor.
 40.00
            pits impraticable.
                       lks.wide course,S.; and over nearly levelland.
            Wash 60
 44.70
 47.50
            wash 40 lks.wide,course,S.E.
            w ash, 40 lks.wide; course, S.E.
 58.30
           Roadbears N.N.E. and S.S.W.
 62.70
            wash 30 lks.wide,course,S.
 76.15
            wash 20 lks.wide, course S.
 78.75
              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 man of which is
            Set a quartzite stone 21x10x6 ins.,16ins.in the rgound
 80.00
            for standard cop. of secs. 33 and 34, marked SC on N,
            with B grooves on E., and 3 grooves on W.face; and raise a mound of stone, 2ft.base 1,1/2 ft.high, N.of cor.
            pats impraticable.
            Land, mountainous and level.
            Sal, sandy and gravelly and stony; 4th rate.
            Timber, acattering paloverde and ironwood.
            Underbrush, greasewood and mesquite.
            Land mountainous and covered with dense underbrush,
            80.00 chs.
                   west on S.bdy.of sec.33.
                   Over nearly level land a nd through scattering
             timber and dense brush.
             wash,20 lks.wide,course,S.
   5.15
             wash,20
                       lks.wide.course,S.
 12.50
             wash,20 lks.wide,course,S.E.
 16.20
             wash 40 lks.wide, course, S.
  20.60
               Difference between measurements of 40.00 chs.by two
             sets of chainmen is 10 lks.; position of middle point
                   By 1st set, 40.05 chs.

By 2nd set, 39.95 chs.; the mean of which is
           Set a quartzite stone.18x12x10 ins.,12ins.in the ground for standard 1 sec.cor.,marked SC 1 on N.face; and raise a mound of stone,2ft.base,1,1/2 ft.high,N.of cor.
  40.00
             pits impraticable.
             Wash, 20 lks. wide, course S.
  42.40
             wash 20 lks.wide course,S.W.
  54.50
             wash 30 lks.wide course, S.
  58.10
             wash 20 lks.wide,course,S.
  77.15
             Wash 40
                        lks.wide,course,S.
  79.10
                Difference between measurements of 80.00 chs.by two
             sets of chairmen is 8 lks.; position of middle point
                   By 1st set, 80.04 chs.
             By 1st set, 79.96 chs.; the mean of which is set a quartzite stone 18x8x6 ins., 12ins.in the ground,
  90:00
             for standard cor of secs 32 and 35, marked SC on N., with Agrooves on E., and 2 grooves on W.face; and raise a
             mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.
             pits impraticable.
             Land, level and gently rolling.
             Soil, sandy, grave lly and stony.; 4th rate.
             Timber, scattering paloverde and mesquite.
             Underbrush, greasewood and mesquite Land movered with dense underbrush, 80.00 chs.
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First Standard Parallel North through Range 10 West.

- Olymania	
	December 14; At this cor.I set off 23°13'S.on the decl
	arc. and observe the sun on the meridian at noon; the
	resulting lat.is 33°43'30"N.
	resulting rations so so by N.
	west on S.bdy.of sec.32.
	Over rolling land aand through scattering timber
× .	
1 . 2	and dense brush.
0.40	Wash 30 lks.wide course, S.
13.50	Wash 30 lks_wide_course_s
16.10	Wash 30 lks.wide, course, S.S.E.
21.40	Wash 40 lks.wide, course, S.E.
27.30	Wash 30 lks.wide,course,S.E.
39.45	wash 20 lks.wide,course,S.
	Difference between measurements of 40.00 chs.by two
	sets of chainmen is 6 lks.; position of middle point
. • .	By 1st set, 40.05 chs.
	By 2nd set, 39.97 chs.; the mean of which is
40.00	Set a syenite stone, 24x12x10 ins., 18ins.in the ground,
	for standard $\frac{1}{2}$ sec, cor., marked SC $\frac{1}{4}$ on N. face; and
	raise a mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cor.
	Pits impraticable.
48.30	Wash 30 lks.wide, course S.W.
55.70	Wash 20 1ks.wide, course S.
68.45	wash 2001ks.wide course St
78.60	wash 20 lks.wide course S.
	Difference between measurements of 80.00 chs by two
	sets of chainmen is 8 lks.; position of middle point
	By 1st set, 80.04 chs.
ì	
	By 2nd set, 79.96 chs.; the mean of which is.
80.00	set a quartzite stone, 18x10x6 ins., 12 ins.in the ground,
	for standard sec.cor.of secs.31 and 32, marked SC on N.,
	with 5 grooves on E., and 1 grooves on W.face; and
	raise a mound of stone, 2ft. base, 1,1/2 ft. high, N. of cor.
1	Pits impraticable.
	Land, rolling and level.
	Soil, gravelly and stony; 4th rate.
	Timber, scattering paloverde and ironwood.
	Underbrush greasewood, mesquite and paloverde.
	Land covered with dense underbrush, 80.00 chs.
ŀ	
	west on S.bdy.of sec.31.
,	Over nearly level land through scattering timber
100	
v.	and dense brush.
13.30	wash 20 lks.wide course, S.; asc.
17.50	Top of hill.; desc.
21.30	Foot of hill, wash 40 lks.wide course,S.
36.20	wash 15 lks.wide course, S.
	Difference between measurements of 40.00 che.by two
	sets of chainmen is 4 lks.; position of middle point
ľ	Ry 1st set, 40.02 chs.
	By 2nd set, 39.98 chs.; the mean of which is
1 40 00	Set a porphyry stone, 18x8x6 ins., 12ins.in the ground,
40.00	Set a porphyry stone, loxoxo ins., 12113.11 one ground,
	for standard 4 sec.cor., marked SC 4 on N. face; and raise
	a mound of stone 2ft.base,1,1/2 ft.high,N.of cor.
	Pits impraticable.
40 00	wash 40 lks.wide course,S.
48.90	
54.20	wash 30 lks.wide course S.
62.00	Regin steep asc. of E. slope of Yuma mountains.
69.50	Top of spur extends S.; desc.
74.00	Foot of spur hears N. and S.
7.3.00	Difference between measurement's of 80.00 chs.by two
	sets of chainmen is 6 lks.; position of middle point
	Sers of Custimian 12 o 182. hosteron or middle horne
	By 1st set, 80.03 chs.
	By 2nd set 79.97 chs.: the mean of which is
80.00	set a sycnite stone 21x12x10 ins.,16ins.in the ground
1,50.00	for standard cor. of Tps. 5 N Rs. 10 and 11 W., marked SC
	on N.; with 6 grooves on N., E., and W. faces.; and raise
100	OH M. ATOH O BLODADO ON H. 120 120 1 40 1 40 1 40 1 40 1 40 1

BOOK 2121

First Standard Parallel North through Range 10 West.

chains

a mound of stone 2ft.hase,1,1/2 ft.high,N.of cor. pits impraticable. Land, nearly level and mountainous. soil gravelly and stony; 4th rate. Timber, scattering paloverde and ironwood. Underbrush, greasewood paloverde and cactus. Land, mountainous and covered with dense underbrush, 80.00 chs.

----000

Through Range 10 this line passes over level rolling and mountainous land, the soil being gravelly and stony; 4th rate, and covered with a scattering growth of timber and an undangerwth of dense brush. There is no water along this line.

T 4 N R 10 W is mostly level, being broken and

mountainous in the S.E. part. T 5 N R 10 W is rolling and mountainous. There is a spring located in approximately sec.15.

There are no settlers along this line.

December 14,1908.

chains	
Chains	
	December 15; At/8 a.m., 1.m.t., I set off 33° 43' 30"N
	on the lat.arc; 23 19'S.on the decl arc and determine
	a meridian with the solar at the cop. of TDS 5 N R s . 10
	and II. w.; thence I run
	West on S.bdy.of sec.36.
	Over gently bolling land and through scattering
	timber and dense brush.
7.30	Wash 30 lks.wide course S.S.E.
16.50	work 70 1kg wide course 5.5.E.
10.50	Wash 30 lks.wide course, S.S.E.; leave brush; asc.steep
	slope.
. 36.50	Top of spur extends S.; desc. steep slope.
	Difference between measurements 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
40.00	Cet a nombing stand Olygon in a lotum to the
40.00	Set a porphyry stone, 21x8x6 ins., 16ins. in the ground,
	for standard 4 sec.cor., marked SC 2 on N. face; and raise
	a mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.
	Pits impraticable.
48.85	Wash 30 lks.wide, course S.; asc.
	nifference between measurements of 80.00 chs.by two
	sets of chainmen is 10 lks.; position of middle point
	By 1st set,80.05 chs.
•	
100 00	By 2nd set, 79.95 chs.; the mean of which is
80.00	Set a schist stone, 18x10x8 ins., 12ins.in the ground,
	for standard cor. of secs. 35 and 36, marked SC on N
	with 1 groove on E and 5 grooves on W. face: and
,	raise a mound of stone; 2ft.base, 1,1/2 ft.high, N. of cor.
	Pits impraticable.
. .	Land, mountainous and rooling.
	Soil, stony and rocky; 4th rate.
	Soli, stony and rocky, 4th rate.
	Timber, scattering paloverde and mesquite.
	Underbrush, greasewood and mesquite.
	Land mountainous and covered with dense underbrush,
	80.00 chs.
1	The state of the s
,	
	West on S.bdy.of sec.35.
4 00	Ascending over mountainous land.
4.00	Top of high spur.extends S.; desc.
1	Difference, between measurements of 40.00chs.by two
1 . 1	sets of chainmen is 8 lks.; position of middle point
• •	By 1st set,40.04 chs.
	By 2nd set, 39.96 chs.; ythe mean of which is
40.00	Set a porphyry stone 13x12x8 ins., 12 ins. in the ground,
	for standard 3 sec.cor., marked SC 4 on N. face; and
1 .	raise a mound of stone 2ft.base, 1,1/2 ft.high, N.of
	toom Dita improvionals
1	cor. Pits impraticable.
43.50	
	dense greasewood brush.
45.90	Wash 601ks.wide, course, S.
158.55	Left bank of wash, course S.
65.20	Right bank of wash, course S.
1	Difference between measurements of 80.00 chs.by two
	sets of chairmen is 16 lks.; position of middle point
	By 1st set,80.08 chs.
0000	By 2nd set, 79.92 chs.; the mean of which is
80.00	set a malpais stone 21x10x8 ins.,16 ins.in the ground,
	for standard cor. of secs. 34 and 35, marked SC on N., with
	2 grooves on E., and 4 grooves on W.face; and raise a
	mound of stone 2ft.base,1,1/2 ft.high,N.or cor.
-	Pits impraticable.
	Land, mountainous and rolling
1, 4 . 1	Soil, sandy gravelly and stony; 4th rate.
1	
	Timber, scattering paloverde and ironwood.
1 : 1	Underbrush, greasewood and cactus.
	Land mountainous and covered with dense underbrush,
	80.00 chs.
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ធារក	st Standard Parallel North through Range 11 West.
chains	
	west on S.hdy,of sec.34. Over nearly level land through dense brush.
74.00	wash 40 lks.wide course S.W.
34.00	nifference between measurements of 40.00 chs.by two
	sets of chainmen is 6 lks.; position of middle point
	nv 1stset.40.03 chs.
	By 2nd set, 39.97 chs.; the mean of which is
40.00	Set a sycnite stone 21x10x10 ins., i6ins. in the ground,
-	for standard 4 sec, cor., marked SC 4 on N. face; and
	raise a mound of stoen, 2ft. base, 1, 1/2 ft. hggh, N. of cor.
	Dite imposticable From COr.
F0.10	An Ironwood 6ins, in diam., bears N 85°E., 45 lks.dist.
	marked
	SC 1 S 34 BT An ironwood 6 ins. in diam., hears N 65°W., 20 lks.
,	dist., marked
·	SC 4 S. 34 BT
79:48	Wash 60 lks.wide.course.S.S.W. wash 10 lks.wide.course.S.
	Difference between measurements of \$9000 chs.by two sets of chairmen is 10 lks.: position of middle point
4	sets of chairmen is 10 lks postulou of middle points
	my one got 70 Os che the mean of which is
80.00	and a granite stone 24x10x6ins, 181ns, in the ground,
1,0,00	ear atandard car of secs. 33 and 34 marked SU on New York
. 1	and a grooves on W. Iace. Bill raise
	a mound of stone, 2ft. hase, 1,1/2 ft. high, N. of cor.
	Pits impraticable. From cor. LEA paloverde 8 ins. in diam., bears N 50° E., 109 lks.
	dist, marked
	T 5 N R T1 W S 34 BT
	Land, nearlt level.
	soil, sandy and gravelly and stony; 4th ma te.
	Timber, scattering paloverde and ironwood. Underbrush, greasewood and cactus.
÷. •	rand carened with dense underbrush.80.00Cns.
·	noomhan 15. 4t this core i set oil 20 10 S. UII uip
	deal are and observe the sun on the meridian at hook
	the resulting lat. is 33° 43'30" Ny
	west on S.bdy.of sec.33.
	Over nearly level land through dense brush.
13.10	wash 20 lks.wide, course S.
16.00	Wash 20 1ks.wide course S.
22.00	Road hears N.E. and S.W. Wash 40 lks.wide course S.
36.50	nifference hetween measurements of 40.W cns.oy two
	sets of chainmen is 8 lks.; position or middle with
	l py 1st set.40.04 chs.
	By 2nd set, 39.96 chs.; the mean of which is set a quartzite stone 21x8x8ins., 16 ins. in the ground,
40.00	l an atondonal desc cor marked SC 7 on N. Tace, and
	raise a mound of stone 2ft, base, 1, 1/2 ft. high, N. of cor.
	pits imptaticable.
48.60	wash 20 lks.wide course S.
58.15	wash 60 lks.wide course S.
.58.20	I wash MO IVe wide course S.
62.20	negativements of 80.W Chsty wo
	sets of chainmen is 12 lks.; position of modifie point
	ny let set 90.06 cns.
	By 2nd set, 79.94 chs,; the mean of which is
80.00	I was a subject of cong 32 and 33 marked Sc 04 N
	with 4 groove on E., and 2 grooves on W.face; and raise
	a mound of stone aft.base,1,1/2 ft.high,N.of cor.

First Standard ParallelNorth through Range 11 West.

	abatra	2150 Standard Paracter Worth Chronigh Range II West.
		Pits impraticable.
		Land, nearly level land.
		Soil, gravelly and stony,; 4th rate.
		Timber, scattering paloverde and ironwood.
٠.		Underbrush, greasewood and cactus.
		Land covered with dense underbrush, 80.00 shs.
		West on S.bdy of sec 32.
		Oversternisland, through scattering time and the prime b
		dense brish.
	24.30	
	27.90	wash 15 lks.wide course S.
	38.10	Wash 20 lks.wide course S.
		Difference between measurements of 40.00 chs.hy two
١		sets of chainmen is 8 lks.; position of middle point
		By 1st set, 40.04 chs.
-	40.00	By 2nd set, 39.96 chs.; the mean of whitch is
	40.00	Set a limestone 18x10x6 ins.12 ins.in the gound, for
1		Standard & sec, cor., marked SC & on N. face; and r aise
l		a mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cor.
	53.30	Pits impraticable.
1	50.5∪	Wash 40 lks.wide course S.
	4	Difference between measurements of 80.0 chs. two
1		sets of chainmen is 10 lks.; position of middle point
1		By 1st set,80.05 chs.
1	80.00	By 2nd set, 79.95 chs.; the mean of which is
l	70.00	Set a lime stone 21x10 x6ins., 16 ins. in the ground, for
		standard cor of secs.31 and 32, marked SC n N., with 5 grooves on E., and 1 grooves on W.face; and raise a
1		mound of stone 2ft.base, 1,1/2 ft.high, N. of cor. Pits
1		impraticable. From cor.
l	•	Lead paloverde 6 ins. in diam., bears N60°W.,331ks dist.,
1		marked
l		T 5 N R 11 W S 31 BT
1	•	Land, level
1		Soil, gravelly and stony. 4th rate.
		Timber, scattering paloverde and ironwood.
		Underbrush, greasewood paloverde and cactus.
İ		Land covered with dense underbrush, 80.00 chs.
l		West.on S.hdy.of sec.31.
l		Over level land through scattering timber and
l	07 0-	dense brush.
l	27.65	Wash 20 lks.wide, course S.
l		Difference between measurements of 40.00 chs.hy two
1		Sets of chairmen is 6 lks.; position of middle point
		By 1st set, 40.03 chs. By 2nd set, 39.97 chs.; the mean of which is
	40.00	Set a sychite stone21X10X10 ins., leins.in the ground,
١	40.00	for standard \(\frac{1}{2}\) sec.cor., marked SC \(\frac{1}{4}\) on N. face; and
İ		raise a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.
		Pits impraticable.
	62.45	Wash 10 lks.wide, course S.
	68.15	Wash 20 lks.wide course,S.
	69.10	Road bears N.ahd S.
		Difference between measurements of 80.00 chs.by two
l	.	sets of chainmen is 8 lks.; position of middle point
	ľ	By 1st set,80.04 chs.
	1	By 2nd set, 79.96 chs.; the mean of which is
	80.00	set a lime stone, 18x8x6 ins., 12 ins. in the ground, for
		standard cor. of Tps. 5N Rs. 11 and 12 W., marked SC on N.
	-	with 6 grooves on N., E., and W. faces; and raise a mound
		of stone, 2ft.base, 1,1/2 ft.high, N.of cor. Pits impratic-
		able.
1		Land, level.
		Soil, gravelly and stony.; 4th rate.

Soil, gravelly and stony.; 4th rate.
Timber, scattering paloverde and ironwood.
Underbrush, greasewood and cactus.
Land covered with dense underbrush, 80.00 chs.

BOOV 2121

wirst Standard Parallel North through Range 11 West.

Through Range II this line runs over 2 miless of mountainous land in the Ea, crossing spurs of the Yuma m mountains, the rest of the line is level.; The Soil being sandy, gravelly and rocky; 4th rate and covered with a scattering growth of paloverde and irow ood Timber and a dense growth of greasewood, mesquite and cactus underbrush. There is no water along this line.

T 4 N R 11 W is a level desert and covered with a h

dense growth of underbrush.

T 5 N R 11 W is gently rolling and level in the S.part and broken and mountainousin the N., containing the Harqua Hala omountains.

There are no settlers along this line.

necember 15,1908.

First Standard Parallel North through Range 12 West.

		so Standard Faratter Not on our origin Range 15 West.
CITA	THE	
		December 16; At/8 a.m., l.m.t., I set off 33°43'30"N
		on the lat.arc; 23°15'30"S.on the decl.arc and deter-
١.		mine a meridian with the solar at the cor. of Tps.5 N
		Rs.11 and 12 W.; thence I run
•	1	work an o han as no go
ı		west on S.hdy.of sec.36.
•	Ì	Over level land through dense brush.
20	.15	- wash 30 lks, wide, course S.; over gently rolling land.
28	.90	wash 30 lks.wide, course S.
	•	Difference between measurements of 40.00 chs.by two
	l	sets of chainmen is 4 lks.: position of middle point
	. 1	
1		By 1st set, 40.02 chs.
		By 2nd set, 39.98 chs.; the mean of which is
40	.00	Set a limestone 18x8x6 ins., 12ins. in the ground, form
		standard 2 sec.cor., marked SC 2 on N.face; and raise a
		mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cor.
	l	Pits impraticable.
	3 -	
	.15	Wash 30 lks.wide, course S.
	.70	Wash 30 lks.wide, course S.
67	.55	Road, bears N.W. and S.E.
68.		Wash 35 lks.wide bears S.
	.05	Road, bears N.W. and S.E.
	.50	Wash 60 lks.wide course,S.
1 (3)	.09	
	l	Difference between measurements of 80.00 chs.by two
		sets of chainmen is 8 lks.; position or middle point
	ł	By 1st set,80.04'chs.
1		By 2nd set,79.96 chs.; the mean of which is
80	.00	Set a limestone, 21X8X6 ins., 16ins.in the ground, for
	• • •	standard cor of secs.35 and 36, marked SC on N., with
		1 groove on E., and 5 grooves on W.face; and raise a
	1	
-	- [mound of stone 2ft.base,1,1/2 ft.high,N.of cor.
• •		Pits impraticable.
1		Land; level and robling.
.		Soil, gravelly, 4th rate
	1	Timber, scattering paloverde and ironwood.
.		Undmerbrush, greasewood.
	-	Land covered with dense underbrush, 80.00 chs.
		00
	1	
		west on S.hdy.of sec.35.
		Over gently relling land through dense underbrush.
25.	25	wash 30 lks.wide, course S.
33.		Wash 50 lks.wide, course, S.
00.	70	pifference between measurements of 40.00 chs.by two
ı		setsoof chainmen is 8 lks.; position of middle point
	1	By 1st set,40.04 chs.
1	1	By 2nd set, 39.96 chs.; the mean of which is
40.	o o	Set a sycnite stone, 21x8x8 ins., 16ins.in the ground,
4		for standard 1 sec.cor., marked SC 1 on N. face,; and
		raise a mound of stone ,2ft.base,1,1/2 ft.high,N.of
		cor. Pits impraticable.
43.	an	Wash 30 lks.wide course S.
1		
52.		/ Wash 30 lks.wide,course S.
66.		Wash 30 lks.wide, course S.
70.	10	Wash 20 lks.wide, course. S.
78.	45	wash 20 lks.wide course S.
		Difference between measurements of 80.00 chs.by two
	.	
		sets of chairmen is 10 lks.; position of middle point
1.	1	By 1st set.80.05 chs.
	a a	By 2nd set,79.95 chs.; the mean of which is
80.	00	Set a malpais stone, 21x12x10 ins., 16ins.in the ground
1		for standard cor.of secs. 34 and 35, marked SC on N.,
		with 2 grooves on E., and 4 grooves on W.face; and raise
		a mound of stone, 2ft.base, 1,1/2 ft.hggh, N.of cor.
		Pits impraticable.
		Land, rolling and nearly level.
		mail annually and stance Ath mata
		Soil, gravelly and stony; 4th rate.
Ai.	, t. , l.	Timber, scattering paleverde and ironwood.
T		Underbrush, greasewood and cactus.
1		Land covered with dense underbrush, 80.00 chs.
6.0	- 1	· · · · · · · · · · · · · · · · · · ·

wirst Standard Parallel North through Range 12 West.

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chains
                    west on S.bdy.of sec.34.
                    Over nearly level land through dense underbrush.
             Road bears, N.E. and S.W.
 9.70
13.10
             wash 30 lks.wide, course S.
             wash 30.1ks.wide,course S.
30.50
             wash 30 lks.wide,course,S.
38.40
                Difference between measurements of 40.00 chs.by two
             sets of chainmen is 6 lks.; position of middle point
                    nylst set, 40.03 chs.
             Ry 2nd set, 39.97 chs.; the mean of which is Set a malpais stone 21x10x6 ins.,16 ins.in the ground, for standard 1 sec.cor., marked SC 1 on N. face; and raise a muund of stone 2ft.base,1,1/2 ft.high.N.of cor
40.00
             Pits impraticable
             wash 25 lks.wideconurse S.
52.10
55.80
             Road hears N.E. and S.W.
             wash 30 lks.wide,course S.
73.35
74.90
             Road bears, N. and S.
             Left bank of wash course S.
76.95
             Point for cor.falls in wash.
80.00
                nifference between measurements of 80.85 chs.by two
              sets of chainmen is 6 lks.; position of middle point
                    Ry 1st set,80.88 chs.
             By 2nd set,80.32 chs.; the mean of which is Set a quartzite stone,21x10x10 ins.,16 ins.in the ground
80.85
              for W.C.to standard cor of secs.33 and 34., marked WC SC
              on N., with S. grooves on E., and S. grooves on W.face; and
             raise a mound of atone, 2ft.base, 1,1/2 tt.high, N.of cor.
             Pits impraticable.
             Land level.
              Soil, gravelly; 4th rate.
              Timber scattering paleverde and ironwood.
             Underbrush, greasewood.
             Land covered with dense underbrush, 80.00 chs. /
December 16; At this cor.I set off 23°19's on the decl.arc and observe the sun on the meridian at noon
              the resulting lat. is 33° 43'30"N.
                     West on S.bdy.of sec.33 from frue cor. point.
Over level land through dense underbrush.
 0.70
              Leave wash, course S.
              W.C. to secs.38 and 34.
  0.85
              wash, 10 lks. wide, course S.
  6.00
              wash, 15 lks.wide, course, S.
10.00
              wash 20 lks.wide, course S.
14.50
              wash 10.1ks.wide,course S,
18.70
21.00
             main, 10 lks.wide, course S.
              Drain, 10 lks. wide, course S.; asc. Top of ridge, bears N. and S.; desc. Trop this: peans.
 27.70
 30.00
                     Smokestack on pumping plant bears $ 57° 40'
                     Reed's windmill bears, N58°27'W Reed's house, bears N 63°20' W.
                     Chinaman's house bears N 46° W.
              Foot of hill; over level land.; E.side of blacksmithshop
 32.20
              W.side of blacksmith shop.
 32.25
              Excavation for bed rock dam, bears S.100 lks.dist.
 32.50
              Drain 10 lks.wide, course S.
 34.40
              Road, bears N. and S ..
 38.40
              Difference between measurements 40,00 chs.by two sets of chairmen is 8 lks.; position of middle point
                     By 1st set, 40.04 chs.
                     By 1st set, 40.04 ons.

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

sendstone 18x8x6 ins., 12ind the ground, for
              Set. a sandstone 18x8x6 ins., 12in the ground, for standard \( \frac{1}{4} \) sec.cor., marked SC 1 \( \frac{1}{4} \) N. race.; from which A mesquite, 5ins. in diam., bears 3 15 E., 182 lks. dist
 40.00
              marked
                    . SC 🛂 S 33 BT
                   A paloverde, 6ins. in diam, bears N 81° W., 67 lks.dist
               marked.
                              S 55 BT
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		F.	rst Standard Parallel North through Range 12 West.	!
	40	. 40	Drain, 5 lks.wide, course S.	=
•		.75	Drain, 10 lks, wide, course S.	
	52	.00	A point from which .	
			Smokestack on pumping plant bears N 2°15'E.	
	١.		Reed's windmill nears N 29°54'W	
		*	Reeds house bears, N 37°45'W	
			Chinaman's house bears N 9°20' W.	
٠		.40	Drain 10 lks.wide, course S.W.	
	68.	.00	Centenial Wash, 75 lks. wide, course S.E.	
			Difference between measurements of 80.00 chs.by two	
			sets of chainmen is 8 lks.; position of middle point: By 1st set.80.04 chs.	
		•	Ry 2nd set,79.96 chs.; the mean of which is	
	an.	.00	Set a granite stone, 18X8X6 ins., 12 ins.in the ground,	
	OU.	.00	for standard cor of secs. 32 and 33 marked SC on N.	
			with 4 groove on E., and 2 grooves on W.face; and raise	
	,		a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.	
		•	Pits impraticable.	
		•	mend level and rolling.	
		i,	Soil, sandy and gravelly; 4th rate.	
		-	Timber, scattering paloverde and mesquite.	
			Underbrush, greasewood and cactus.	
			Land covered with dense underbrush, 80.00 chs.	
•				
			west on S, bdy.of sec.32.	
	1.	. Tale	Over gradual rising ground through dense brush.	
	1.	.50	Ascent gets steeper	
	10,	.00	Top'of ridge, bears N. and S.; desc.	
	16.	25.	Foot of ridge, bears N. and S.; ascend.	
			: Difference between measurements of 39.65 chs.by two	
			sets of chainmen is 12 lks.; position of middle point	
•			Ry 1st set,39.71 chs.	
			Ry 2nd set,39.59 chs.; the meab of which is	
	39	.65	Set a schist stone, 21X6X6ins., 16 ins.in the ground, for	
	4		w.C.to standard & sec cor., marked WC SC & on N.face;	
			and raise a mound of stone, 2ft.base, 1,1/2 ft.hegh, N.of	
•			cor. PPits impraticable.	
		.00	Point falls in wash, 10 lks.wide, course N.	
		90	Wash 30 lks.wide, course N.E.; asc.	
		65	Top'of ridge, bears N. and S.; desc.	
		15	Wash 30 lks.wide, course N.E.; asc.	
		.70	Left bank of wash, course N.R.	
		65	Right bank of wash, course N.E.	
	78	55	Top of spur, extends N.; desc.	
			Difference between measurements of 79.75 chs.by two	
	,		sets of chairmen is 14 lks.; position of middle point	
	í		Ry 1st set, 79.82 chs.	
	70	M e	By 2nd set, 79.68 chs.; the mean of which is	
	79	.75	Set a quartzite stone, 19X8X6 ins.12ins.in the ground,	
			for W.C. te standard cor. of secs. 31 and 32, marked WC SC	
		•	on N., with 1 groove on W., and 5 grooves on W. face; and raise a mound of stone 2ft.base, 1, 1/2 ft.high, N. of cer.	
			Pits impraticable.	
٠	οΛ'	00	Point for cor.falls in wash, 40 lks.wide, course N.E.	
	90,	.00	Land, mountainous and rolling.	
		•	Soil, sandy, gravelly and stony; 4th rate.	
			Timber scattering paloverde and ironwood.	
			Underbrush, greasewood.	
			Land covered with dense underbrush, or mountainous,	
ı	1	• .	80.00 chs.	ż
	•			
		•		
			weston S.bdy, of sec.31 from true point for cer.	
			Over mountainous land ascending thrugh dense	
			underbrüsh.	
-	6.	25	Top of ridge, course N. and S.; desc.	
l			Harrisburg schoolhouse bears N. 30.00 chs.	
	89	30	Pumping plant for Harqua Hara mine , hears N. 35.Qochs.	
	1.4 %		[마리	

wirst Standard Parallel North through Range 12 West.

9.90	Wash, 15 lks, wide, course N.; asc
12.60	Top of ridge, bears N, and S.; desc.
T4.80	wash 10 lks.wide, course N.
26.60	Ascend.
32.50	Top of ridge, bears N. and S.; desc.
35.40	Wash, 15 lks.wide, course, N.; asc.
	Difference between measurements of 40.00 chs.by two
	sets of chairmen is 16'lks.; position of middle point.
	Ry 1st set,40.08 chs.
	my 2nd set,39.92 chs.; the mean of which is
40.00	Set a quartzite stone 18X10X6 ins., 12ins.in the ground,
ŀ	for standard 2 sec.cor., marked SC 2 on N. face; and
	raise a mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.
	Pits Impraticable.
40.25.	wash, 15 lks.wide, course N.
50.25	Top of ridge, bears N. and S.: desc.
56.10	wash 20 lks, wide, course, N.; and over level land.
59.96	Pipe line from pumping station to Harqua Hara mine.bears
	N.E.and'S.W.
61.10	Road from Harrisburg to Harqua Hala mine, bears N.E. and
	Old word horney T and C W
66.30	Old road, bearsN.E.and S.W.
74.80	wash, 15 lks.wide, course N.
	Wash, 15 lks.wide, course N. wash, 15 lks.wide, course N.
74.80	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. Difference between measurements of 80.00 chs.by two
74.80	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. Difference between measurements of 80.00 chs.by two sets of chainmen is 12 lks.; position of middle point
74.80	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. 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.
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. Difference between measurements of 80.00 chs.by two sets of chairmen is 12 lks.; position of middle point By 1st set, 80.06 chs. By 2nd set, 79.94 chs.; the mean of which is
74.80	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. 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 quartzite stone, 18X10X8ins., 12 ins.in the ground,
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. 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 quartzite stone, 18X10X8 ins., 12 ins. in the ground, for standard cor. of Epss. 5 N Rs. 12 and 13 W., marked
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. 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 quartzite stone, 18XLOX8 ins., 12 ins. in the ground, for standard cor. of Epss. 5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W. faces; and raise
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. 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 quartzite stone, 18X10X8ins., 12 ins.in the ground, for standard cor.of Epss.5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft.base, 1, 1/2ft.high, N. of cor.
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. Difference between measurements of 80.00 chs.by two sets of chairmen 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 quartzite stone, 18X10X8ins., 12 ins.in the ground, for standard cor.of Epss.5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft.base, 1, 1/2ft.high, N. of cor. Pits impraticable.
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. Difference between measurements of 80.00 chs.by two sets of chairmen 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 quartzite stone, 18X10X8ins., 12 ins.in the ground, for standard cor.of Bpss.5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft.base, 1, 1/2ft.high, N. of cor. Pits impraticable. Land, mountainous and rolling. Soil, gravelly and stony. 4th rate.
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. Difference between measurements of 80.00 chs.by two sets of chairmen 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 quartzite stone, 18X10X8ins., 12 ins.in the ground, for standard cor.of Bpss.5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft.base, 1, 1/2ft.high, N. of cor. Pits impraticable. Land, mountainous and rolling. Soil, gravelly and stony. 4th rate.
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. 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 quartzite stone, 18X10X8ins., 12 ins.in the ground, for standard cor.of Epss.5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft.base, 1, 1/2ft.high, N. of cor. Pits impraticable. Land, mountainous and rolling. Soil, gravelly and stony. 4th rate. Timber, scattering paleverde and ironwood Underbrush, greasewood, paleverde and cactus.
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. Difference between measurements of 80.00 chs.by two sets of chairmen 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 quartzite stone, 18X10X8ins., 12 ins.in the ground, for standard cor.of Epss.5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft.base, 1, 1/2ft.high, N. of cor. Pits impraticable. Land, mountainous and rolling. Soil, gravelly and stony. 4th rate. Timber, scattering paleverde and ironwood
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. 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 quartzite stone, 18X10X8ins., 12 ins.in the ground, for standard cor.of Epss.5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft.base, 1, 1/2ft.high, N. of cor. Pits impraticable. Land, mountainous and rolling. Soil, gravelly and stony. 4th rate. Timber, scattering paleverde and ironwood Underbrush, greasewood, paleverde and cactus.
74.80 77.15	Wash, 15 lks.wide, course N. Wash, 15 lks.wide, course N. Difference between measurements of 80.00 chs.by two sets of chainmen is 12 lks.; position of middle point my 1st set, 80.06 chs. Ry 2nd set, 79.94 chs.; the mean of which is set a quartzite stone, 18X10X8ins., 12 ins.in the ground, for standard cor.of %pss.5 N Rs. 12 and 13 W., marked SC on N., with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft.base, 1, 1/2ft.high, N. of cor. Pits impraticable. Land, mountainous and rolling. Soil, gravelly and stony. 4th rate. Timber, scattering paloverde and ironwood Underbrush, greasewood, paloverde and cactus. Land mountainous or covered with dense underbrush,

Through Range 12 this line runs over rolling, level and mountainous land, the soil being sandy, gravelly and rocky; 4th rate, and covered with a scattering growth of paloverde and ironwood and a few mwsquite. with a dens undergrowth of greasewood, mesquite and cactus. There is no water along this line.

Tp 5 N R 12 W is nearly level in the N.W., W., and S., but is mountainous in the N.E.

Tp 4 N R 12 W is mountainous in the N.W. and level desert in the rest; covered with a dense growth of underbrush.

	chains	
	Citating	f
		December 17; At/8 a.m., l.m.t., T set off 33° 43'30"
		on the lat.arc; 23°18's.on the decl.arc and determine a
		meridian with the solar at the cor. of Tps.5 N Rs.12 and
		13 W.; thence I run
	A TOTAL	West on S.hdy.of sec.36.
	7715	Over rolling land through dense brush.
	7.15	Wash 15 lks.wide course N.
	25.00	. Wask 50 lks.wide course N.E.
	38.30	wash I5 lks.wide course N.E.
		Difference between measurements of 40.00 chs.by ywo
		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
	40.00	Set a porphyry stone 18X6X6 ins., 12ins. in the ground.
		for standard 2 sec.cor., marked SC 2 on N.face: a nd
	•	raise a mound of stone 2ft.base, 1,1/2 ft.high, N.of cor.
		Pits impraticable.
	52.00	Road bears N.N.E. and S.S.W.
•	69.80	wash 50 lks.wide course N.E.
	70.70	Old road bears N. and S.
	,	Difference between measurements of 80.00 chs.by two
	A	sets of chainmen is 10 lks.; position of middle point
1		By 1st set,80.05 chs.
		By 2nd set, 79.95 chs.; the mean of which is
	80.00	Set a porphyry 21x8x6 ins., leins. in the ground for
	00.00	standard cor.of secs.35 and 36, marked SC on N. with
		l groove on E., and 5 grooves on W.face; and raise a.
		mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.
		Pits impraticable.
		Land, gently rolling.
	•	Soil, gravelly; 4th rate.
		Timber, scattering paloverde and ironwood.
١		Underbrush, greasewood and cactus.
١	12	Land covered with dense underbrush, 80.00 chs.
1		
		work and a half of any fig.
		West on S.hdy.of sec.35.
		Over gently rolling land through dense brush.
	9.65	Wash 30 lks.wide course N.
	21.00	Over level land.
	33.40	Wash 30 lks.wide course N.
	34.90	Old road bears N. and S.
		Difference between measurements of 37.70 chs.by two
	•	sets of chairmen is 6 lks.; position of middle point
		By 1st set,37.73 chs.
1	1 1 4 1 N	By 2nd set, 37.67 chs.; the mean of which is
	37.70	Set a malpais stone 18X6X6 ins.,12 ins.im the ground,
	The same of the same	for w.c.to standard 1 sec cor., marked wc sc 1 on w.face
-		and raise a mound of stone 2ft.base, 1,1/2 ft.high, N.of
		cor. Pits impraticable.
	38.05	Enter wash course N.R.
	40.00	point for cor.falls in wash.
1	41.75	Teave wash, course N.E.
1	46,40	Road brais N.E. and S.W.
1	52.50	Acsend.
1	61.50	Top of ridge hears N. and S.; desc.
1	66.60	wash 50 lks.wide, course N.; asc.
١	78.20	Top of ridge, bears N.E. and S.W.; desc.
		Difference betweeh measurements of 80.00 chs.by two
1		sets of chairmen is 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 porphyry stone 18X6X6 ins., l2ins.in the ground,
1	•	for standard cor.of secs.34 and 35, marked SC on N.,
		with 2 grooves on E., and 4 grooves on W.face; and raise
		a mound of stone 2ft.hask, 1,1/2 ft.high, N.of cor.
1	J. HIS.	Pits impraticable.
1	4.1	Land level, rolling and mountainous.
1		Soil, gravelly and stony; 4th rate.
I		Timber scattering paloverde and ironwood.
1		Underbrush, greasewood and cactus.
·L	35.C.	

55 BOOK 2121

wirst Standard Parallel North through Range 13 West.

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chains
            Land covered with dense underbrush and mountainous,
            80.00 chs.
                  West on S.bdy.of sec.34.
Over mountainous land descending through dense brush
            Wanhil5 lks.wide course N.; asc.
  4.75
            Ridge, bears N. and S.; desc.
  7.30
            Foot of ridge bears N. and S.;
 10.80
 16.50
            wash 12 lks.wide course N.N.E.; asc.
            Ridge hears N.and S.; desc.
 22.30
            woot of ridge.
 31.40
            wash 80 lks.wide course N.
 34.60
            Road, bears N. and S.

Difference between measurements of 40.00 chs.by two
 38.35
            sets of chainmen is 10'lks.; position of middle point.
                  By 1st set,40.05 chs.
            By 2nd set, 39.95 chs.; the mean of which is Set a diorite stone, 21x10x6 ins., 16ins.in the ground, for standrad 2 sec cor., marked SC 2 on N. face; and raise a mound of stone 2ft, base, 1, 1/2 ft. high, N. of cor.
 40.00
            pits impraticable.
            Begin gradual ascent.
 44.50
            Leave dense underbrish and ascend steeply.
 44.50
            Ridge, bears N. and S.; desc.
 52.80
            wash 20 lks.wide course N.; asc.
 60.10
 65.50
            Ridge bears N and S.; desc.
            Wash 20 lks.wide course N.; over rolling land through
 70.30
            dense underbrush.
            wash 70 lks.wide course N.N.E.
 79.45
            point for cor.falls in wash.
 80.00
               Difference between measurements of 80.50 chs.by two
            sets of chainmen is 14 lks.; position of middle point
                  Ry 1st set,80.57 chs.
                   By 2nd set,80.43 chs.; the mean of which is
            Set a porphyry stone 21x8x6 ins., 16ins.in the ground,
 80.50
            for W.C.to standard cor.of secs:33 and 34, marked WC SC
            on N., with Agroove on E., and Agrooves on W.face; and raise a mound of stone, 2ft.base, 1,1/2 ft.hggh, N. of cor.
            Pits impraticable.
            Land, mountainous.
             soil, gravelly and stony; 4th rate.
            Timber, a few ironwood.
             Underbrush, greasewood, mesquite and cactus
             Land mountainous or covered with dense underbrush,
            80.00 chs. At this cor.I set off 25°20's on the decl.arc and observe the sun on the meridian at noon the resulting lat.is 35°43'30" N. V

West on S.bdy.of sec.33. from true cor, point.
                   ascending over mountainous land.
             w.c.to cor.of secs.33 and 34.
   0.50
             Ridge hears N.and S.; desc.
   4.50
             wash 20 lks wide coursen; enter dense greasewood brish
   8.10
             wash 30 lks.wide, course, N.; asc.
  11.20
             Ridge, bears N. and S.; desc.
  33.50
             Point for cor.falls in wash 60 lks.wide,course,N.
  40.00
               Difference between measurements of 41.50 chs.by two
             sets of chairmen is 12 lks.; position of middle point
                   Ry 1st set, 41.56 chs.
                   By 2nd set, 41.44 chs.; the mean of which is
             Set a porphyry stone 18x10x6 ins., 12ins.in the ground for w.c. tostandard # sec.cor., marked wc Sc # on N. face and raise a mound of stone 2ft.base, 1,1/2 ft.high, N. of c
  41.50
                    Pits impraticable.
             cor.
             Wash 15 lks.wide course N.; over level land.
  66.15
             wash 60 lks.wide,course,N.
  74.90.
                Difference between measurements of 80.00 chs.by two
             sets of chainmen is 10 lks.; position of middle point
                   Ry 1st set,80.05 chs.
                   By 2nd sets. 79.95 chs.; the mean of which is
             Set a malpais stone 21X8X8ins., 16ins.in the ground, for
  80,00
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wirst Standard Parallel North through Range 13 West.

	irst Standard Parallel Worth through Range 15 West.
CHRITIE	
	standard corof secs. 32 and 33, marked SC on N., with 28
	grooves on W., and 4 grooves on M. face; and raise a
7	mound of stone, 2ft.base, 1,1/2 high, N.of cor. Pits
	impraticable
	Land, mountainous, rolling and level.
	Soil, gravelly and stony.
	Timber, scattering paloverde and ironwood.
	Underbrush, greasewood, mesquite and captus.
	Land mountainous or covered with dense underbrush.
_	80.00 chs.
	West on S.bdy.of sec.32
	Over gently rolling land through dense underbrush.
0.55	
2.55	
37.10	
38.25	
	Difference between measurements 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
40.00	
	for standard 2 sec.cor., marked SC 2 on N.face; and
	raise a mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.
	Pits impraticable.
53.55	
	Difference between measurements of 80.00 chs.by two
	sets of chainmen is 8 lks.; position of middle point
1.	Ry 1st set,80.04 chs.
	Ey 2nd set,79.96 chs.; the mean of which is
80.00	Set a porphyry stone 21x8x6 ins., 16 ins. in the ground,
.]	for standard cor.of secs.31 and 32, marked SC on N., with
	5 grooves on E., and 1 grooves on W. face; and raise a
	mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.
	Pits impraticable.
	Land, gently rolling and broken.
	Soil, sandy, gravelly and stony; 4th rate.
***	Timber, scattering paloverde and ironwood.
	Underbrush, greasewood and cactus.
	Land covered with dense underbrush, 80.00 chs.
	west on S.bdy.of sec.31.
	Over gently rolling land through dense underbrush.
2.65	Wash 40 lks.wide course, N.E.
22.80	
38.30	
	slope.
-	Difference between measurements of 40.00 chs.by two
	sets of chairmen is 8 lks.; position of middle point
	By 1st set, 40.04 chs.
	By 2nd set, 39.96 chs.; the mean of which is
40 00	
	for standard & sec.cor., marked SC & on N.face; and
	raise a mound of stone 2ft.base,1,1/2 ft.high,N.of cor.
	Pits impraticable.
44.70	Top of N.of sharp rocky radge, hears N, and S.; desc over
	steep rocky slope.
64.20	
1,77,20	Difference between measurements of 80.00 chs.by two
	sets of chairmen is 12 lks.; position of middle point
	Ry 1st set,80.06 chs.
	By 2nd set,79.94 chs.; the mean of which is
80.00	
	for standard cor, of Eps. 5 N Rs. 13 and 14 W., marked SC on
	N., with 6 grooves on N., E., and W.faces; and raise a
	mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cor.
	Pits impraticable.
	Land.rolling.broken and mountainous.
	Soil, gravelly, stony and rocky. Timber, scattering paloverde and ironwood.
	Timber, scattering paloverde and ironwood.

BOOK 2121

First Standard Parallel North through Range 13 West.

chains

Underbrush, greasewood, mesquite and cactus. Land covered with dense underbrush, 67. mountainous, 80.00 chs. or wassilaneous,

Through Range 13 this line passes over gently rolling, broken and mountainous land; the soil being sandy, gravelly and rocky; 4th rate, and covered with a scattering growth of paloverde and ironwood timber, and a dense growth of greasewood, mesquite and cactus underbrush. There is no water along this line.

T 4 N R 13 W., is mountainous and broken. The Harqua Hala mine is located in this Tp.

wor Tp 5 N R 13 W see notes of subdivision.
There are no settlers along this line. December 17,1908.

First Standard Parallel North through Range 14 West. chains Fanuary 5; At 8a.m., 1.m.t., I set off 33°43'30 m. on the lat.arc; 22°36'30" S.on the decl.arc and determine mined a meridian with the solar at the cor of Tps.5.N Rs 13 and 44 w.; thence I run awast on S.bdy.of sec.36 Over mountainous land through dense brush. 16.90 wash, 50 lks.wide, course N.W. 17.75 Ascend high ridge, bears N.W. and S.E. Top of high ridge, bears N.W. and S.E.; desc. 30.00 Difference between measurements of 40.00 chs.by two sets of chainmen is 10 lks.; position of middle point By 1st set, 40.05 chs.
By 2nd set, 39.95 chs.; the mean of which is Set a granite stone 24x16%6 ins.,18ins.in the ground, 40.00 for standard 1 sec.cor., marked SC 1 on N.face; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cer. Pits impraticable, woot of high ridge, bears N.W. and S.E.; thence over 42.20 level land. Wash 15 lks, wide, course S. 68.15 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 ix Set a silicate stone, 21x8x6 ins. 16 ins. in the ground for standard cor. of secs. 35 and 36, marked SC on N., with 1 groove on E., and 5 grooves on W.facep and raise a 80.00 mound of stone, 2ft.base, 1,1/2 ft.high, N.ef cor. Pits impraticable. Land, mountainous and recky.. Soil, stony; 4th rate. Timber scattering paleverde and ironwood. Underrbush, greasewood Land mountainous and covered with dense nunderbrush, 80.00 chs. Best on S.bdy.of sec.35. Over level land through dense brush. 24.65 Wash, 60 lks. wide, course S. Difference between measurements of 40.00 chs.by two sets of chaimmen is 8 lks.; position of middle point By 1st set, 40.04 chs.
By 2nd set, 39.96 chs.; the mean of which is 40.00 Set a silica stone, 22X8X6 ins., 16 ins. in the ground, for standard 1 sec, cor., marked SC 1 on N.face; and raise a mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor. Pits impraticable. 45.10 Road from Ehrenburg to Prescott, bears NE and SW. 75.15 Wash, 15 lks.wide, course W.S.W. Point for cor.falls in Mash 15 lks.wide,course W.W.W. 80.00 Difference between measurements of 80.35 chs.by two A. sets of chairmen is 10 lks.; position of middle point my 1st set, 80.40 chs. By 2nd set, 80.30 chs.; the mean of which is Set a granite stone, 21X8X6 ins., 16ins. in the ground, 80.35 for W.C.to standard cor.of secs.34 and 35, marked WC SC on N., woth 2 grooves on E., and 4 grooves on w.face: dig pits 24X18X12 ins., cresswise on each line, E., and W., 3ft., and N., of stene, 7ft. dist.; and raise a mound of earth, 4ft.base, 2ft.high, N.of cor.; from cor.
An ironwood 6ins.in diam., bears N89° 50'w., 165 lks.dist marked WC SC T 5 N R 14 W S 34 BT Land, nearly level. Soil, sandy and gravelly; 3rd rate. Timber, scattering paloverde and ironwood. Underbrush, greasewood.

Land covered with dense underbrush, 80.00 chs.

wirst Standard	Parallel	L North	through	Range J	4 West.

	vir	st Standard Parallel North through Range 14 west.
7	chains	
-	Citeration	west on S. hdy of sec. 34 from true point for cor.
4		Over nearly level hand through dense brush.
-		Over nearly level mand through dense, brush.
	0.35	W.C.to cor.of secs.34 and 35.
		wash, 15 lks.wide, course N.W.
	7.50	Wasii, 15 Tab, waday oo M. W.
	16.00	wash, 10 lks.wide, course N.W.
1	40.00	Point for cor falls in wash, 10 lks. wide, course N.W.
	40.00	nigenance between measurements of 40.70 cms.by owe
		sets of chairmen is 6 lks.; position of middle point
		sets of chairmen is o iks., position of middle position
		ny let set 40.78 chs.
		Dy and set no 67 chs.: the mean of which is
	1	Set a granite stone, 18x8x6 ins., 12 ins. in the grand,
	40.70	Set a granite stone, loaded this, the trade of the stone
		for w.C. to standard & sec.cor., marked wc SC & on N. face
		we will approve the Total War Stone ollegious
		and raise a mound of earth, 3,1/2 ft.base, 1,1/2 ft.high.
		and raise a middle of darming the
		N.of.cor.; from cor.
	1	An ironwood, 10 ins. in diam., bears N66°30'w., 191 lks.
	1.	A Laboratory
		dist., marked
	45	WC SC . 2 S 34 BT
	50.10	washing like wide course N.W.
		and from Draggatt to Threnburg Deals N.W. and D.D.
	65.10	Difference between measurements of 80.00 chs.by two
	1	Difference Detween measurements of overes and
		sets of chainmen is 8 lks.; position of middle pount
	1	ny lat set 80 04 chs.
•		By 2nd set, 79.96 chs.; the mean of which is
		By Zha Bet, 77.20 the, of the annual
	80.00	Set a granite stone, 18X6X5 ins., 12ins. in the ground,
,	30.00	an at and and car of secs. 33 and 34 marked SU on N. W. Coll
		3 grooves on E., and 3 grooves on W.face; dig pits, 24X
		3 grooves on he, and a state ond w set and w of
		18x12in.s crosswide on each line, E., and W., 3ft., and N. of
		stone,7ft.dist.; and raise a mound of earth,4ft.base,
		2ft.high, N.of cor.
		Land, level.
		Soil, sandy and gravelly; 3rd rate.
		Timber, scattering paleverde and ironwood.
		Tantou in the consequence
		Underbrush, greasewood.
		Land covered with dense underbrush, 80.00 chs.
		west on S.bdy.of sec.33.
		Over level land through dense brush.
		I would be a second to the second bear of the W. W. 1977 C. R. 1977
	7.25	Boad the Winksburg, bears N.W. and S.E.
	27.10	wash 10 lks.wide, course, S.W.
	29.05	wash 10 lks.wide.course S.W.
		I I I I I I I I I I I I I I I I I I
	35.15	Difference between measurements of 40.00 chs.by
		Difference between measurement on of middle point
		sets of chairmen is 6 lks.; pesition of middle point
	1	ny let get 40 03 chs.
		the mean of which so
		Ry sud Bed, or loveye ing 19 ing in the ground
	40.00	Set a granite stone, 18x6x6 ins., 12ins.in the ground,
	,,,,,,,	I A THE TANKS AND THE PARTY OF
	1	I TOWARD TO AND TO AND W OF STONE WILL TO ADD I
		a mound of earth, 3, 1/2 ft. base, 1/1/2 ft. high, N. of cor.
		a mound of earth, 5,1/2 10. Dans, 1,4,4,5
	40135	wash, 20 lks.wide, courseS.W.; over land subject to
	70 \$246)	in the reiny season.
		Difference between measurements of 80.00 chs.by two
		Difference Defamilia Hagour allegand of middle noint
		sets of chainmen is 8 lks.; position of middle point
		nu 1st set 90 04 chs.
		One got 70 Of the the mean of which to
		I TOWN TOWN THE TAX TOWN TOWN THE TAX TOWN TOWN THE TAX T
	80.00	Set a granite stone, indicate into the granical con M
		I SEE THE ASSOCIATION OF GOOD SEE SEE SEE SEE SEE SEE SEE SEE SEE SE
		I SALL O WYGOTAG AN W ANN 4 STOOVES ON D. LOUV. WAS PAUL
		24X18X12 IIIS., CEBDONIAN DATA AND MAIRA O MAINN AT ARTH
		and N. of stone, 7ft. dist.; and raise a mound of earth
		4ft.base,2ft.high,N.ef cor.
	•	Land, level.
٠		unite, tover.
		Soil, sandy and gravelly; 3rd rate.
		rimber scattering paleverde and irenwood.
	1	Indenhaseh grasswadd.
	[observe the sun on the meridian at noon, the resulting
		. observe the sun our cite mor account
		lat.is 35° 45' 30" N.
	1	
	t .	A_{ab}

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	The state of the s
chains	West on S.bdy.of sec.32. Over level land through dense brush.
36.80	Wash, 15 lks.wide, course S.W.
38.00	Wash, 15 lks.wide, course S.W.
	Difference between measurements of 40.00 chs.by two
a ·	sets of chairmen is 4 lks.; position of middle point By 1st set, 40.02 chs.
	By 2nd set, 39.98 chs.: the mean of which is
40.00	Set a granite stone 18x6x6 ins., 12ins.in the ground
•	for standard 1 sec.cor., marked SC 1 on N. face; dig
	pits 18x18x12 ins., E., and. W. of stone, 3ft.dist; and raise a mound of earth, 3,1/2 ft.base, 1,1/2 ft.high. N.
	of cor.
:	Difference between measurements of 80.00 chs.by two
	sets of chainmen is 6 lks.; position of middle point By 1st set,80.03 chs.
*	Ry 2nd set, 79.97 chs.; the mean of which is
80.00	Set a guartzite stone, 18x10x5 ins. 12 ins. in the ground
	ter standard cor.of secs.31 and 32 marked SC on N. with
	5 grooves on E. and 1 groove on the W.face: dig nite
	24X18X12 ins., cresswise on each line, E., and W., 3ft., and N. of stone, 7ft. dist.; and raise a mound of earth, 4ft.
	base, 2ft. high, N. of cor.
	Land, level.
· **	Soil, sandy and gravelly; 3rd rate; subject to everflow No timber.
	Underbrush, greasewood.
	Land covered with dense underbrush, 80.00 chs.
<u> </u>	
	west on S.bdy.of sec.31.
	Over level land through dense brush.
1.00	Road, Prescott to Ehrenburg, bears N.E. and S.W.
4.30	Wash 25 lks.wide, course S.W.
5.30 25.00	Wash 25 lks.wide,course S.W. Road,bears N.E.and S.W.
20.00	Difference between measurements of 40.00 chs.by two
	sets of chairmen is 6 lks.; position of middle point
	By 1stset, 40.03 chs.
40.00	By 2nd set, 39.97 chs.; the mean of which is Set a granite stone, 18X6X6 ins., 12 ins.in the ground,
	for standard ; sec.cor., marked SC ; on N. face; dig pits
	18X18X12ins., E., and W.of stone, 3ft.dist; and raise, a
n a s	mound of earth, 3,1/2 ft.base, 1,1/2 ft.high, N.of cor.
	N 13 E.
	Difference between measurements 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 granite stone, 20X6X6ins., 15 ins. in the ground. for
	standard cor.of Tps.5 N Rs.14 and 15 W., marked 5 N SCY.
	on N., 14 W on E., and 15 W on W.face, with 6 grooves on
	N., E., and W. faces; dig pits, 30x24x12ins., cresswise on each line, E. and W. 4ft., and N. of stone, 8ft. dist.; and
	raise a mound of earth, 5ft. base, 2,1/2 ft. high, N. of cor.
	From cor. the railroad building in Vicksburg, bears
	Waso, 20 E. A. A. A. A. A. A. A. A. A. A. A. A. A.
	Sailigravelly and stony; 3rd rate.
	No timber.
	Underbrush, greasewood and cactus.
	Land covered with dense underbrush,80.00 chs.
	Through range 14 this line runs ever mountainous
	land for the 1st mile then over level land and nearly
	level land for the rest of the Tp. There is a scattery ing growth of paleverde and ironwood for the first 4 miles

ing growth of paleverde and ironwood for the first 4 m is miles then there is no timber, but there is a dense growt of underbrush through the entire Tp.

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48 First Standard Parallel North through Range 14 West. The Soil is sandy, gravelly and steny, mestly 3rd rate; and covered with agreese growth of greasewood and at cactus underbrush. There is no water along this line.

T 5 N R 14 W is mountainous in the S.E. part and level in the rest of the Tp.

There are no settlers along this line.

First Standard Parallel North through Range 15 West.

		the Postured Laterier Motor cutangle Mande To Mest.
	chains	West on C howing and EC
	CHAINS	
		Over level land through dense greasewood.brush.
		Difference between measurements of 40.00 chs.By two se
		sets of chairmen is 4 lks.; position of mildle point
		By 1st set,40.02 chs.
		By 2nd set, 39.98 chs.; the mean of which is
	40.00	Set a granite stone 16x12x6ins., llins.in the ground, for
	,	Standard 4 sec.cer., marked SC 4 en N. face; dig pits 18x1
		18X18X12 ins., E., andw. of stone 3ft. dist; and raise a
		mound of stone, 3,1/2 ft.base,1,1/2 ft.high, N.of cor.
	66.15	Bond home C m and M m
		Read, bears S.W. and N.E.
	79.60	Read bears S.W.and N.E.
	` (.Difference between measurements of 80.00 chs.by two
		sets of chairmen 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	get a granite stone, 18x7x5 ins., 12 ins. in the ground.
	>	for standard cor.of secs.35 and 36, marked Schon N., with
		lgroove on E., and 5grooves on W.face; dig pits 24x18x12
1	•	ins.crosswise on each line, E., and W., 3ft., and N. of stone
		7 ft diet and raice a mannel of shall H. O. Stone
		7 ft.dist; and raise a mound of earth, 4tf. hase, 2ft.high.
	. ~	N.of cor.
-		Land, level.
		Soil, sandy and gravelly; 3rd rate.
	•	Ne timber.
1		Underbrush, greasewood and cactus.
1	,	Land covered with dense nuderbrush, 80.00 chs.
		MATERIAL PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY ADDRESS
ļ		
		west on S.bdy.of sec.35.
- 1		Over level land through dense brush.
- 1	16.15	Read, bears SW and N.E.
	- 1	
	20.50	Telephone line, bears S.W. and N.E.
		Difference between measurements of 40.00 chs.by two
		sets of chairmen is 6 lks.; position of middle point
- 1		By 1st set,40.03 chs.
.	•	By 2nd set, 39.97 chs.; the mean of which is
İ	40.00	Set a granite stone, 18X6X5 ins., 12ins.in the ground,
		for standard & sec.cor., marked SC & on N. face; dig pits
.		18x18x12 ins., E., and W.of stone, 3ft.dist; and raise a
		mound of earth, 3,1/2 ft.base, 1,1/2 ft.high, N.of cor.
	ione d	Difference between measurements of 80.00 chs.by two
	**	sees of chairmen 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 granite stone, 18x10x4 ins., 12ins.in the ground,
	30.00	for standard on of succ 24 and 25 manha as a second
	1	for standard cor.of secs.34 and 35, marked SC on N., with
1	1	4 grooves on W., and 2 grooves on E.face; dig pits,
	l	24X18X12 ins., cresswise on eachline, E., and W., 3ft., and
		N.of stone, 7ft. dist.; and raise a mound of earth, 4ft.
	1	base,2ft.high,N.ef cer.
		Land, level
		Seil, sandy and gravelly; 3rd rate.
	,	No timber.
		Underrhush, greasewood and cactus.
		Land covered with dense underrbush, 80.00 chs.
- -		Hand out a state desired and the state of th
1	•	West on S.bdy.of sec.34.
		Over level land through dense brush.
1	4	
		Difference between measurements of 40.00 chs.by two
	· ·	sets of chainmen is 4 lks.; position of middle point
	1	By 1st set, 40.02 chs.
		By 2nd set, 39.98 chs.; the mean of which is
	40.00	Set a granite stonm, 18X7X6ins., 12ins.in the ground, for
		standard 4 sec.cor., marked SC 4 on N.face; dig pits,
		18x18x12ins., E., andw., of stone, 3ft.dist.; and raise a
	·	mound of earth, 3,1/2 ft.base, 1,1/2 ft.high, N.of cor.
		Difference between measurements of 80.00 chs.by two
	.	sets of chairmen is 6 lks.; position of middle point

wirst Standard Parallel North through Range 15 West.

	vi	rst Standard Parallel North through Range 15 West.
	chains	
١		By 1st set,80.03 chs.
	•	By 2nd set, 79.97 chs.; the mean of which is
	80.00	cheSet a granite stone, 18X7X4ins., 12ins.in the ground, for
	•	standard cor.of secs.34 and 33, marked SC on N., with 3
١		grooves on E., and 3 grooves on W.face; dig pits, 24X18X12
	•	ins.crosswise on each line, E., and W., 3ft., and N. of
	r	stone, 7ft. dist; and raise a mound of sarth, 4ft. base,
-		2ft.high, N.of cer.
		Land.level.
	•	Soil, sandy and gravelly; 3rd rate.
		No timber.
		Underbrush, greasewood.
		Land covered with dense underbrush, 80.00 chs. January 5, 1909.
		manufacture and a second secon
	•	
	,	January 6; At 8 a.m., 1 m.t., I set off 33° 43' 30"N.
	•	on the lat.arc; 22°23'30"S.on the decl.arc, and deter-
	•	mine a meridian with the solar at the cor. of secs. 33
		and 34.; thence I run
		west on S.bdy.of sec.33
		Over level land through dense brush.
		Difference betweenmeasurements of 40.00 chs.by two
		sets of chairmen is 6:1ks.; position of middle point
		ny 1st set, 40.03 chs.
		py 2nd set 39.97 chs.: the mean of which is
	40.00	get a granite stone 188884 ins. 12 ins.in the ground.
	40.00	for standard 4 sec. cor. marked SC 7 On N. Tace: QIR Pits
		I lowlovioing to and W of stone Stt. dist: and raise a mou
		mound of stone 3.1/2 ft.base.1.1/2 ft.hlgh, N. Of Cor.
		hifference between.measurements of 80.00 cns,by two
		sets of chainmen is 81ks.; position of middle point
		By 1st set,80.04 chs.
		ny 2nd set 79.96 chs.: the mean of which is
	80.00	cet a granite stone.16x12x5insll ins.im the ground,
		for standard car of secs. 32 and 33 marked SC on N with
		A greaves on E. and 2 grooves on W.face; and dig pits,
		24Y18Y12ins crosswise on each, line, Kitand W., Srt. qand.
		N.of stone,7ft.dist.; and raise a mound of earth,4ft.
	***	base, 2dt.high, N. of cor.
		Land, level.
	•	Soil, sandy and gravelly; 3rd rate.
٠	1.4	Ne timber.
		Underbrush, greasewood.
	ľ	Land covered with dense underbrush,80.00 chs.
	· · · · ·	west on S.bdy.ef sec.32.
	, ,	Over level land through dense brush.
	1	Difference between measurements of 40.00 chs.by two
	1	sets of chairmen is 4 lks.; position of middle point
		nv 1st set.40.02 chs.
		Ry 2nd set 39.98 chs.; the mean of which is
	40.00	get a granite stane 18x6x5ins, 12inslin the ground, for
	40.00	standard I see car marked SC ton N. Face; dig pits,
		1 10 10 10 2 1 ns R and W.or Stone. Sit. dist., and raise a
		maind of earth 3.1/2 ft.base 1.1/2 ft.high, N. of Cor.
	40.40	pand from Desert Wells to Rouse: N.W. and S.E.
	10.10	nifference between measurements of 80.00 cns.by two se
		sets of chainmen is 8 lks.; position or middle point
		nv 1st set 80.04 chs.
		By 2nd set 79.96 chs.: the mean of which is
	80.00	cet a granite stane 16x8x5ins. Lins. In the ground, ler
		standard car of sacs 31 and 32 marked SC on N., With
		Figure on W and I groove on W. Iaco: dig pits, 24A18A
		12ins., cresswise on each line, E., and W., 3ft., and N. of
	• •	stene, 7ft. dist.; and raise a mound of earth, 4ft. base,
		2st.high, N. of cor.
		Land, level,
		Seil, sandy and gravelly; 3rd rate.

BOOK 2121

No timber. Underbrush, greasewood. Land covered with dense underbrush, 80.00 chs.

West on S.bdy.of sec.31.

Over level land through dense brush.

Difference between measurements 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 granite stone,18X6X6ins.,12 ins.in the ground, for standard 1 sec.cor., marked SC 1 on N. face; dig pits 18X18X12ins.,E., and W. of stone, 3ft.dist.; and raise a mound of earth, 3,1/2 ft.base, 1,1/2 ft.high, N.of cor.

Difference between measurements of 80.00 chs.by two sets of chairmen is 8 lks.; position of middle point

By 1st set,80.04 chs.
By 2nd set,79.96 chs.; the mean of which is Set a lava stone, 24X14X12ihs., 18ins.in the ground, for standard cor. of Eps. 5 N Rs. 15 and 16 W., marked SC on N. with 6 grooves on N., E., and W.faces; and raise a mound of stone, 2ft. base, 1,1/2 ft. high, N. of cor. Pits impraticable.

Land, level.

Soil sandy and gravelly; 3rd rate

No timber.

40.00

80.00

Underbrush, greasewood.

Land covered wiht dense underbrush,80.00 chs.

Through Range 15 this line runs over mostly level land; the seil being sandy, gravelly and steny; 3rd rate and covered with a dense undergrowth of greasewood and cactus. There is no water along this line.

TP 5 N R 15 W is mostly level land.

wirst Standard Parallel through Range 16 West.

	WIT	st Standard Taranta
	chaina	west, on S.bdy.of sec.36.
	chains	Over level land through dense greasewood brush.
		nifference between measure ments of 40.00 chs by two
		sets of chairmen is 4'lks.; position of middle point
		By 1st set, 40.02chs.
		by 2nd set 39 98 chs.: the mean of which is
	40.00	got s lave stone 22x10x10ins. 16 ins.in the ground, for
	40.00	standard & sec cor marked SC 7 on N. Iace, and raise a
		mound of stone, 2ft.base, 1, 1/2 ft.high, N. of cor.
	* * * * * * * * * * * * * * * * * * * *	nite impreticable
)	nifference between measurements of 80.00 cns.0y two
		sets of chairmen is 6 lks.; position of middle point
		By 1st set, \$0.03 chs.
		By 2nd set, 79.97 chs.; the mean of which is
		Set a granite stone, 20x8x6ins., 15 ins. in the ground,
	80.00	for standard cor. of secs. 35 and 36, marked SC on N., with
		1 groove on E., and 5 groove on W.face; dig pits, 24x18x
		To the emographica on each line H. and W. Dit. and N. O.
	۱. ا	soone,7ft.dist.; and raide a mound of santh,3,1/29ft,1,1
		base,1,1/2 ft.high,N.of cor.
		base, 1, 1/2, 10, 11 gir, n. o. r.
		Land, level. Soil, sandy and gravelly; 3rd rate.
		Soll, Sandy and Blavelly, of a love
	-	No timber. Underbrush, greasewood and cactus.
		Land covered with dense underbrush, 80.00 chs.
		hand covered with dense and stamped and
		make an a holy of ago 35
		West on S.bdy.of sec.35. Over level land through dense brush.
		Difference between measurements of 40.00 chs.by two se
		sets of chairmen is 6 lks.; position of middle point
		sets of chaliment is 6 iks., postation of madden p
		By 1st set, 40.03 chs. By 2nd set, 39.97 chs.; the mean of which is
٠.	*.	Set a lava stone, 20x6x6ins., 15 ins.in the ground, for
1	40.00	standard 4 sec.cor., marked SC 4 on N. face; and dig pits
***	1	standard 4 sec. cor., marked 50 4 on vitato, tand raise a mount
		18x18x12ins., E., and W. of cor. 3ft.dist.,; and raise a mound
		18X18X121ns., H., and W. of Cor PROM COR. earth 3.1/2.ft base 1.1/2.ft high N of Cor PROM COR. AN IRON WOOD 4 IN THE WELL WILL WILL WILL WILL WILL WILL WIL
		minimum Trifference Deween measurements of 80.00 chs.by one
		sets of chairmen 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 perphyry stone, 24x12x10ins., 18ins.in the ground,
		for standard cor. of secs. 35 and 34, marked SC on N., with
		2 grooves on E., and 4 grooves on W. face; and raise a mound
	-	of stone, 2ft.base, 1,1/2 ft.high, N.of cor. Pits impratic-
		able.
		Land, level.
	SA AR	Soil, sandy and gravelly; 3rd and 4th rate.
		No timber.
	***	Underbrush, greasewood.
	٠	Land covered with dense underbrush, 80:00 chs.
		At this cor. I set off 22°29'S'on the decl. arc, and
		observe the sun on the meridian at noon; the resulting
	1	lat.is 33° 43'30" N.
		west on S.bdy.of sec.34.
		Over level land through dense brush.
		Difference between measurements of 40.00 chs. by two
		sets of chairmen is 8 lks.; position of middle point
		1 my 1 at set 40 04 chs.
		- L PO OC AND THERE OF WOLKE AD
	40.00	The state of the s
		raise a mound of stone, 21t. hase, 1,1/2 it. high, 4.51
		net - demonstrachia
		TARREST NOTWOOD WASSITEMENTS OF BU.W. CHO.U.
		sets of chairmen is 6 lks.; position of middle point,
		1 A OO OZ ANG
		By 1st set.80.05 chs.; the mean of which is

80.00

Set a lava stone, 24x16x12ins., 18ins.in the ground, standard cor. of secs. 33 and 34, marked SC on N., with 5 grooves on E., and 3 grooves ...
mound of stone, 2ft. hase, 1, 1/2 ft. high, N. of cor. Pits imp.
Land, level FROM COR. AN IKONWOOD 4 INS. DIAM. BRS. NIEW. 382 LKS. DIST, M. aticable
and gravelly and rocky; 3rd and 4th rate. Underbrush, greasewood. Land covered with dense underbrush, 80.00 chs.

West on S.bdy.of sec.33.

Over level land through dense brush.

Difference between measurements of 40.00 chs.by two sets of chainmen is 6 lks.; position of middle point

By 1st set,40.03 chs.

40.00

80.00

Ry 2nd set, 39.97 chs.; the mean of which is Set a granite stone, 16X10X5ins., 11 ins. in the ground, for standard ½ sec. cor., marked SC ½ on N. face; and raise a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor. pits impraticable.

nifference between measurements of 80.00 chs.by two sets of chainmen is 8 lks.; position of middle point

By 1st set,80.04 chs.

Ry 2nd set, 79.96 chs.; the mean of which is Set a lava stone, 22x12x12ins., 16ins. in the ground, for standard sor.of secs.32 and 33, marked SC on N., with #grooves on E., and #grooves on W.face; and raise a mound of stone, 2ft.base, 1,1/2 ft.high, N.of cer. Pits impraticable . EROM GOR. A PALOVERDE 10 INS. DIAM. BRS. N 80°E. 126 LKS. DIST. MED. SCT5N.RIGWS338T

soil, sandy, gravelly and stony; 3rd and 4th rate. No timber.

Underbrush, greas wood and mesquite.

Land covered with dense underbrush, 80.00 chs.

11.65

40.00 c

west on S.bdy.of sec.32. Over level land through dense brush. Wash, 15 lks.wide, course., N.

Difference between measurements of 40.00 chs.by two sets of chainmen is 8 lks.; positionof middle point Ry 1st set,40.04 chs.
Ry 2nd set,39.96 chs.; the mean of which is

Set a porphyry stone, 22x8x8ins., 16ins.in the ground, for standard 1 sec.cor., marked SC 1 on N. face; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, N. of cor Pits impraticable, from cor.

An ironwood, 12 ins. in diam., bears N 27° W., 123 lks.

SC 4 S 32 BT AM IRONWOOD SINSDIA BRS. N45 W. III LKS. DIST. MKD/5.C4 S. 52 BT. No others available.

wash, 30 lks.wide, course N.

Difference between measurements of 80.00 chs.by two sets of chainmen is 10 lks.; position of middle point

By 1st set,80.05 chs.

80.00

48.75

4

By 2nd set, 79.95 chs.; the mean of which is Set a silica stone, 22X8X6ins., 16ins. in the ground, for standard cor.of secs.31 and 32, marked SC on N., with 5 grooves on E., and 8 grooves on W.face; and raise a mound of stone, 2ft. base, 1,1/2 ft. high, N. of cor. From GR. Pits impraticable ATALOVERDE 6 RS. DIAM . DRS. N30°E. 386 LKS. DIST. MKD. SGTSN RIGWS 32 BT.
AN IRONWOOD 4 INS. DIAM . BRS. N75°W. 188 LKS. DIST. MKD. SGT5N RIGWS 31 BT. Land.level. Soil, sandy, gravelly and rocky; 3rd and 4th rate. No timber, Underbrush, greasewood.

Land covered with dense underbrush, 80.00 chs.

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wirst Standard Parallel through Range 16 West.

abadesa		
	west on S.bdy.of sec.31.	
	Over level land through dense brush.	
9.10	wash 15 lks.wide, course S.E.	
13.50	Foot of hill; asc.	
34.25	Top of hill; desc.	
37.50	wash, 40 lks.wide, course S. R. J. foot of hill; over level	
	land.	
40.00	Point for cor.falls in wash.	
	Difference between measurements of 41.00 chs.by two	
	sets of chainmen is 6 lks.; position of middle point	
	By 1st set,41.03 chs.	
	By 2nd set, 40.97 chs.; the mean of which is	
41.00	Set a silica stone, 22X8X5 ins.16 ins.in the ground, for	
	witness cor. to standard a sec. cor., marked WC SC a on N.	
	face; and raise a mound of stone, 2ft, hase, 1, 1/2 ft. high,	
	N.of cor. Pits impraticable. A MESSONTE 14 INST DIA BRS. N 38 E .77 LKS. DIST. NKD. NG. 162531 Wash 40 lks.wide, course E.S. E. A PALOVERDE 12 INS. DIA BRS. N 70 W. 107 LKS. DIST	18
42.20	Wash 40 1ks. wide, course E.S. M. A PALOYERUE IZINS. DIA. DIO. UNIO (LKS. UI)	
80.00	Point for cor. falls in wash, 100 lks. wide, course E.S.E.	
	Difference between measurements of 80.80 chs.by two sets of chainmen is 10 lks.; position of middle point	
	sets of chairmen is to iks., postuton of middle point	
	By 1st set,80.05 chs.	
	By 2nd set 79.95 chs.: the mean of which, is set a silica stone ,24x18x12ins., 18ins.in the ground,	
13.0 · 47 /	for witness cor. to cor. of Tps. 5 N Rs. 16 and 17 W.,	
	marked we so on N with 6 grooves on N. E. and W. faces	
	marked WC SC on N. with 6 grooves on N. E. and W.faces and raise a mound of stone 21t, base 1,1/2 ft.high, N. of c	
-	Dite impreticable from Cor. An ironwood imposition John John John John John John John Jo	
	Land, level.	
	Soil, gravelly and rocky; 3rd and 4th rate.	
	No timber.	
	Underbrush, greasewood.	
	Land covered with dense underbrush, 80.00 chs.	
1		

Through Range 16 this line passes over level land the soil being snady, gravelly and rocky; 3rd and 4th ran rate, and covered with an undergrowth of dense greasewood mesquite and cactus.; there is no timber. There is no water along this line.

T 5 N 16 W is mostly level. The soil is sandy and gravelly

and gravelly.

January 6 1909.

wirst Standard Parallel North through Range 17 west.

CHRIBS	st Standard Parallel North through Range 17 West.
1	T got off 339 AZ I SONN
, 1, 1	January 18; At 8/a.m., l.m.t., I set off 33°43'30"N
Year I e	on the lat.arc; 20°32's.on the decl.arc; and determine
	a meridian with the solar at the cornor Tps.5N R 16 and
. [17 w.: thence T run
e .	west on S.bdy.of sec 36, from true point for cor,
	Over nearly level land through dense brush.
14.60	Wash, 40 lks.wide, course N.
14.00	nifference between measurements of 40.00 chs.by two
	sets of chainmen is 6 lks.; position of middle point
<u> </u>	ny 1st set, 40.03 chs.
	ny 2nd set, 39.97 chs.; the mema of wich is
	By Shi Set, 59.97 this, the mount of atom to
40.00	set a porphyry stone, 21x8x6ins., 16ins. in the ground, for
•	standard 4 sec.cor., marked SC 4 on N. face; and rai se
	a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.
	pits impraticable.
41.70	Ascend hill
44.20	Top of hill, bears N.W. and S.E.
48.25	Foot of hill.; over rolling land.
48.80	Wash, 15 lks, wide, course S.
	Enter mountainous land.
57.50	Difference between measurements of 80.00 chs.by two
. • ••	sets of chainmen is 10 lks.; position of middle point
	Sets of Charment is to the post of the pos
	Ry 1st set,80.05 ths.
	Ry 2nd set, 79.95 chs.; the mean of which is
80.00	set a porphyry stone, 22x8x6ins., 16ins.in the ground, for
	standard cor. of secs. 35 and 36, marked SC on N., with
•	1 groove on E., and 5 grooves on W.face; and raise a
	mound of stone, 2ft.base, 1,1/2 ft.high, N. of cor.
	Pits impraticable.
	Land mountainous, rolling and level.
	soil, gravelly and rocky; 3rd and 4th rate.
	No timber
	inderbrush ironwood paloverde greasewood and cactus.
	Land mountainous or covered with dense underbrush,
	80.00 chs.
	30.00 01.01
	west on S.bdy.of sec.35.
	Web of the second
	Owen the Blomosa mountains.
	Over the Plomosa mountains.
9.15	wash, 30 lks.wide, course E.S.E.
9.15 10.30	Wash, 30 lks.wide, course E.S.E.
T 1	wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two
T 1	wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chainman is 10 lks. ; position of middle point
T 1	wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chainman is 10 lks. ;position of middle point By 1st set. 40.05 chs.
T 1	wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chainman is 10 lks. ; position of middle point By 1st set, 40.05 chs. By 2nd set 39.95 chs.: the mean of which is
10.30	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chainman is 10 lks. ; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone 21x8x8ins. 16ins.in the ground, for
T 1	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks.; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard 1 sec.cor., marked SC. 2 on N. face; and raise a
10.30	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks.; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard 1 sec.cor., marked SC. 2 on N. face; and raise a
10.30	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks.; position of middle point my lst set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard 1 sec.cor.; marked SC. 1 on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor.
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks.; position of middle point my lst set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \(\frac{1}{2}\) sec.cor.; marked SC. \(\frac{1}{2}\) on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin: asc.hill
10.30	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks. ; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \$\frac{1}{2}\sec.cor., \text{marked SC.}\frac{1}{2}\sec. \text{n N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor.} Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks. ; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \$\frac{1}{2}\sec.cor., \text{marked SC.}\frac{1}{2}\sec. \text{n N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor.} Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chainman is 10 lks. ; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \(\frac{1}{2}\) sec.cor.; marked SC. \(\frac{1}{2}\) on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chainman is 12 lks.; position of middle point
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks.; position of middle point my lst set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \(\frac{1}{2}\) sec.cor.; marked SC. \(\frac{1}{2}\) on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman is 12 lks.; position of middle point Ry 1st set. 80.06 chs.
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks.; position of middle point By 1st set, 40.05 chs. By 2nd set, 39:95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard 1 sec.cor.; marked SC. 1 on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman is 12 lks.; position of middle point By 1st set, 80.06 chs. By 2nd set. 79.94 chs.; the mean of which is
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chainman is 10 lks.; position of middle point my lst set, 40.05 chs. Ry 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard ½ sec.cor.; marked SC.½ on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chainman is 12 lks.; position of middle point Ry 1st set, 80.06 chs. Ry 2nd set, 79.94 chs.; the mean of which is set a granite stone, 22x8x8ins., 16ins.in the ground, for
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks.; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard ½ sec.cor.; marked SC.½ on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman 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, 22x8x8ins., 16ins.in the ground, for standard cor. of secs. 34 and 35.marked SC on N., with
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chainman is 10 lks.; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \$\frac{1}{2}\text{ sec.cor.}, \text{marked SC.}\frac{1}{2}\text{ on N.face}; \text{ and raise a mound of stone; 2ft. hase, 1, 1/2 ft. high, N. of cor.} Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chainman 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, 22x8x8ins., 16ins.in the ground, for standard cor. of secs. 34 and 35, marked SC on N., with
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks. ; position of middle point my lst set, 40.05 chs. Ry 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \(\frac{1}{2}\) sec.cor., marked SC.\(\frac{1}{2}\) on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman is 12 lks.; position of middle point my lst set, 80.06 chs. Ry 2nd set, 79.94 chs.; the mean of which is set a granite stone, 22x8x8ins., 16ins.in the ground, for standard cor.of secs.34 and 35, marked SC on N., with 2 grooves on E., and A grooves on W. face; and raise a monud of stone, 2ft.base, 1, 1/2 ft.high, N.of cor.
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chaimman is 10 lks.; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \$\frac{1}{2}\text{ sec.cor.}; marked \$\text{SC}.\frac{1}{2}\text{ on N.face}; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chaimmen 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, 22x8x8ins., 16ins.in the ground, for standard cor.of secs.34 and 35, marked \$\text{SC}\$ on N., with \$\text{2}\$ grooves on E., and \$\text{4}\$ grooves on W. face; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable.
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks. ; position of middle point my lst set, 40.05 chs. Ry 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., l6ins.in the ground, for standard 1/2 sec.cor.; marked SC. 1/2 on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N. of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman is 12 lks.; position of middle point my lst set, 80.06 chs. Ry 2nd set, 79.94 chs.; the mean of which is set a granite stone, 22x8x8ins., l6ins.in the ground, for standard cor.of secs.34 and 35, marked SC on N., with 2 grooveson E., and 4 grooves on W.face; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, N. of cor. Pits impraticable. Land mountainous.
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chaimman is 10 lks.; position of middle point my lst set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., l6ins.in the ground, for standard deccor, marked SC don N. face; and raise a mound of stone; 2ft.base, l, l/2 ft.high, N. of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chaimmen is 12 lks.; position of middle point my lst set, 80.06 chs. By 2nd set, 79.94 chs.; the mean of which is set a granite stone, 22x8x8ins., l6ins.in the ground, for standard cor. of secs. 34 and 35, marked SC on N., with 2 grooves on E., and A grooves on W. face; and raise a mound of stone, 2ft.base, l, l/2 ft.high, N. of cor. Pits impraticable. Land, mountainous. Soil, gravelly and rocky.; 4th rate.
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chaimman is 10 lks.; position of middle point By lst set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., l6ins.in the ground, for standard \$\frac{1}{2}\text{ sec.cor.}; marked \$\text{SC}\$. \$\frac{1}{2}\text{ on N.face}; and raise a mound of stone; 2ft.base, l, l/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chaimmen 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, 22x8x8ins., l6ins.in the ground, for standard cor.of secs.34 and 35, marked \$\text{SC}\$ on N., with 2 grooves on E., and 4 grooves on W.face; and raise a mound of stone, 2ft.base, l, l/2 ft.high, N.of cor. Pits impraticable. Land, mountainous. Soil, gravelly and rocky.; 4th rate.
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks. ; position of middle point my lst set, 40.05 chs. Ry 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \(\frac{1}{2}\) sec.cor.; marked SC.\(\frac{1}{2}\) on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman is 12 lks.; position of middle point my lst set, 80.06 chs. Ry 2nd set, 79.94 chs.; the mean of which is set a granite stone, 22x8x8ins., 16ins.in the ground, for standard cor.of secs.34 and 35, marked SC on N., with 2 grooves on E., and 4 grooves on W.face; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Land, mountainous. Soil, gravelly and rocky.; 4th rate. No timber
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks. ; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \$\frac{1}{2}\text{ sec.cor.}, \text{marked SC.}\frac{1}{2}\text{ on N.face}; \text{ and raise a mound of stone; 2ft. hase, 1, 1/2 ft. high, N. of cor.} Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman 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, 22x8x8ins., 16ins.in the ground, for standard cor.of secs.34 and 35, marked SC on N., with 2 grooves on E., and 4 grooves on W.face; and raise a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor. Pits impraticable. Land, mountainous. Soil, gravelly and rocky.; 4th rate. No timber Underbrush, greasewood, ironwood, paloverde and cactus. Land mountainous and covered with dense underbrush,
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks. ; position of middle point By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \$\frac{1}{2}\text{ sec.cor.}, \text{marked SC.}\frac{1}{2}\text{ on N.face}; \text{ and raise a mound of stone; 2ft. hase, 1, 1/2 ft. high, N. of cor.} Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman 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, 22x8x8ins., 16ins.in the ground, for standard cor.of secs.34 and 35, marked SC on N., with 2 grooves on E., and 4 grooves on W.face; and raise a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor. Pits impraticable. Land, mountainous. Soil, gravelly and rocky.; 4th rate. No timber Underbrush, greasewood, ironwood, paloverde and cactus. Land mountainous and covered with dense underbrush,
40.00	Wash, 30 lks.wide, course E.S.E. Enter basin. Difference between measurements of 40.00 chs.by two sets of chairman is 10 lks. ; position of middle point my lst set, 40.05 chs. Ry 2nd set, 39.95 chs.; the mean of which is set a porphyry stone, 21x8x8ins., 16ins.in the ground, for standard \(\frac{1}{2}\) sec.cor.; marked SC.\(\frac{1}{2}\) on N.face; and raise a mound of stone; 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Leave basin; asc.hill Difference between measurements of 80.00 chs.by two sets of chairman is 12 lks.; position of middle point my lst set, 80.06 chs. Ry 2nd set, 79.94 chs.; the mean of which is set a granite stone, 22x8x8ins., 16ins.in the ground, for standard cor.of secs.34 and 35, marked SC on N., with 2 grooves on E., and 4 grooves on W.face; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cor. Pits impraticable. Land, mountainous. Soil, gravelly and rocky.; 4th rate. No timber

wirst Standard Parallel North through Range 17 West.

		West on S.bdy.of sec.34.
		Over mountainous land, through dense brush.
	20.10	Wash, 10 1ks. wide, course S.E.
		Difference between measurements of 40.00 chs.by two
		sets of chairmen is 14 lks.; position of middle point
		By 1st set, 40.07 chs. By 2nd set, 39.93 chs.; the mean of which is
	40.00	Set a porphyry stone, 22x8x8ins., leins.in the ground, for
٠	30.00	standard 4 sec.cor., marked SC 4 on N. race; and raise a
		mound of stone 2ft.base, 1,1/2 ft.high, N. of cor.
		Pits impraticable.
		Difference between measurements of 80.00 chs.by two
	·	sets of chaimmen is 16 lks.; position of middle point.
		Hy 1st set,80.08 ths.
		By 2nd set, 39.92 chs.; the mean of which is
	80.00	Set a silica stone, 22x8x6ins., 16ins.in the ground, for
		standard cor.of secs.33 and 34, marked SC on N., with
		B grooves on E., and B grooves on W.face; and raise moun
		of stone, 2ft.base, 1,1/2 ft.high, N.of cor. Pits imprat- icable.
		Land, mountainous.
		Soil, gravelly and rocky; 3rd and 4th rate.
		No timber,
		Underbrush, greasewood, paloverde and ironwood.
		Mountainous land.80.00 chs. ✓
		At this cor. L set off 20°32'S on the decl arc, and
		observe the sun on the meridian at noon the resulting
		lat.\$s 33°43°30" N. √
		wash an o but all and market
		West on S.bdy.of sec.33. Over mountainous land.
	0.25	Wash, 20 lks. wide, course S.
	38.90	Wash, 20 lks.wide.course S.
	00.00	nifference between measurements of 40.00 chs.by two se
	*	sets of chainmen is 16 lks.; position of middle point
		By. 1st set, 40.08 chs.
		Ry 2nd set, 39.92 chs.; the mean of which is
	40.00	set a porphyry stone, 22X8X6ins, , 16ins, in the ground, for
		standard 4 sec.cor., marked SC 4 on N. face; and rause a
		mound of stone, 2ft. hase, 1,1/2 ft. high, N. of cor.
	49.10	Pits impraticable.
	60.15	Wash, 30 lks; wide, course, S.E. Wash, 40 lks; wide; course : E.S.E. Wash, 40 lks; wide; course : E.S.E.
	60.20	McDifference between measurements of 80.00 chs.by two
		sets of chairmen is 18 1ks; position of middle point
		werant By lat set 389009 chs.
		By 2nd set, 79.91 chs.; the mean of which is
	80.00	. Set a porphyry stone, 24X8X6ins., 18ins.in the ground, for
		standard cor. of secs. 32 and 33, marked SC on N., wiht 4
		grooves on E., and E grooves on W. face; and raise a mound
		of stone, 2ft. base, 1,1/2 ft. high, N. of cor. Pits impraticab
		able.
		Land, mountainous.
		Soil, gravelly and rocky, 3rd and 4th rate.
	명* -	Underbrush, paloverde, ironwood and greasewood.
		Mountainous Land ,80.00 chs.
		West on S.bay.of sec.32.
		Over mountainous land.
	25.50	Wash, 10 lks.wide, course N.
	•	Difference between measurements of 40.00 chs.by two
į		sets of chainmen is 12 lks.; position of middleepoint Ry 1st set.40.06 chs.
	. "	By 2nd set 39.94 chs.; the mean of which is
	40.00	Set a porphyry stone, 21X8X8Ins., 16ins.in the grand.for
		standard & sec.cor., marked &C & on N.face, and faise
		a mound of stone, 2fg. base, 1, 1/2 ft. high, N. of cor.
		Pits impraticable.
- 11	1	. The second of the second of

T3 5	rst Standard Parallel North through Range 17 West
chains	
76.10	
75.10	Difference between measurements of 80.00 chs.by two
	sets of chainmen is 16 lks.; position of middle point
	By 1stsset,80.08 Ms.
ľ	By 2nd set, 79.92 chs.; the mean of which is
80:00	Set a porphyry stone, 24X8X6ins., 18ins.in the ground,
.80.00	for standard cor. of secs. 31 and 32, marked SC on N., with
	F groove on E., and 1 grooves on W.face; and raise a
	mound of stone, 2ft. base, 1,1/2 ft. high, N. of cor.
	Pits imprativable.
	Land, mountainous.
	Soil, gravelly and rocky; 3rd and 4th rate.
The second	No timber.
	Underbrush, greasewood, paloverde and ironwood and cactus
	Mountainous land, 80.00 chs.
James Pet	
5.5	
	west on S.bdy.of sec.31.
	Over very mountainous and rugged land, almost
	in accessable, ascending.
8.25	wash, 30 lks.wide, course N.
	pifference between measurements of 40.00 chs.by two
	sets of chairmen is 20 lks.; position of middle point
	Ry 1st set,40.10 chs.
	By 2nd set, 39.90 chs.; the mean of which is
40.00	Set a lava rock, 24X8X8ins., 18ins. in the ground, for
	standard 4 sec.cor., marked SC 4 on N. face; and radse a
1 📆	mound of stone, 2ft.base, 1, 1/2 ft.high, N.of cor.
	Pits impraticable.
155.60	This cor. is on the N.slope of a very rough and rocky hil
49.50	Foot of Haystack Butte.
79.60	Top of Haystack Butte.
	Difference between measurements of 80.00 chs.by two
1	sets of chainmen is 18 lks.; position of middle point
	By 1st set,80.09 chs., By 2nd set,79.92 chs.; the mean of which is
00 00	set a porphyry stone, 40x14x14 ins., 30ins.in the ground,
80.00	for standard cor. of Epss5 N Rs.17 and 18 W., marked
ľ	SC on N., with 6 grooves on N., E., and W. faces; and raise
	a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.
1	Pits impraticable.
	Land, mountainous.
	Soil, stony and rocky. 4th rate.
	No timber.
	Underbrush, greasewood, paloverde, ironwood and cactus.
	Mountainous land, 80.00 chs.
	Through Range 17 this line runs over nearly level
0, 1	land for the 1st mile then it passes over mountainous
1 .	land There is no timber but there is an undergrowth
	of greasewood ironwood paloverde and cactus. The soil
	is sandy gravelly and stony and rocky, being 3rd and 4th
1/45	rate. There is no water along this line.
	TENR 17 W is mountainous and broken in the
	s.w.and w. and is nearly level in the N. and E.
	There are no settlers along this line:

Transcry Assis, I below.

wirst Standard Parallel through Range 18 West.

chains

January 19th,; At 8 a.m., l.m.t/., I set off 33° 43'30"N. on the lat.arc; 20°19'30" S.on the decl arc; and determine a meridian with the solar at the cor. of Tps. 5 N Rs.17 and 18 W.; thence T run

west on S.bdy.of sec.36.

Over extremely rugged and precipitous mountainsus. On account of the extreme rugged and precipitous c character of the mountains it is impossible to continue chaining, with any accuracy along this line; there fore I proceed as follows;-

Set a flag (A) on lineon top of a high ridge.W.

Set a flag (B) S 62°47' W.from cor.on top of the same high ridge that flag A is on.

T then go to flag A and from flag A, flag R, bears \$15°29'E.,8.56 chs.dist.; then using this as my base to line ,I cumpute the distance from the cor. to flag A as follows;

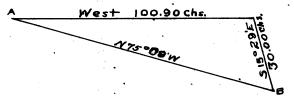
 $\frac{\sin 78^{\circ}16'}{\sin 27^{\circ}13'}$ hase, or $\frac{0.979105 \times 8.56}{0.457357} =$

18.325 1

362° 47'W Top of high ridge.

On account of the extreme rugged and precipitous character of the mountains it is impossible to continue chaining, with any accuracy, along this line; therefore I proceed as follows:-

Set a flag (A). W. on line on top of high ridge. Set. a flag (B) S15°29'E., 30.00 distant and use this for my base line; From flag B, flag A, bears N75°68'W. I then compute the distance to flag A as follows:



Sin 59°39' Sin 14°52'X hase,or 0.86295 X 30.00 100.90chs.; 0.25657

119.225 120.000

18.325 plus 100.90 makes Top of high ridge.

The point for standard & sec.cor., fall's on a solid face of granite, on which

T cut a XX) at the cor.point, for standard $\frac{1}{4}$ sec. cor., marked SC $\frac{1}{4}$ on N.side of cross; and raise a mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor. Pits impraticable.

On account of the extreme rugged and precipitous character of the mountains it is impossible to chain back to the standard cor.of secs.35 and 36, or to the standard 4 sec.cor.on the S.bdy.of sec.36,: therefore I continue West on the S.bdy.of sec.35.

Difference between measurements of 160.00 chs.by two sets of chainmen is 18 lks.; position of middle point

Ry 1st set,160.09 chs.

Ry 2nd set,159.91 chs.; the mean of which is The point for standard sec.cor Falls on a grahite rock in place, 36x36x2 ins. above the ground, on which

T cut a (X) at the cor Apoint, for standard cor. of secs.34 and 35, marked SC on N.of cross, with 2 grooves and 4 grooves whof choss; and raise a mound of stone, 2ft.base,1,1/2 ft.high,N.of cor. Pits impraticable. Land mountainous.

Soil, rocky; 4th rate.

No timber.

No underbrush.

Mountainous land, 160.00 chs.

160000

First Standard Parallel North through Range 18 West.

	chains	January 19; At this cor. I set off 20°19'30"S.on the decl.arc and observe the sun on the meridian at
		noon; the resulting lat.is 33°43'30" N.
		West on S.bdy of sec.34.
	3.30	Descending through dense brush.
	15.10	West, of slope; loyer lebel land. Wash, 30 lks.wide.course N.W.
	18.90	Wash, 15 lks.wide, course N.W.
		Difference between measurements of 40.00 chs.by two se
		sets of chairmen is 8 lks.; position of middle point
•		Ry 1st set,40.04 chs.
		By 2nd set, 39.96 chs.; the mean of which is
	40.00	set a porphyry stone, 22x10x8ins., 16ins.in the ground.
	•	for standard 4 sec.cor., marked SC on N.face; and raise
	,	a mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.
	44 00	Pits impraticable.
	44.80 50.45	Wash, 20 lks.wide, course N.W. Wash, 60 lks.wide, course N.W.
	69.30	Wash, 10 lks, wide, course N.W.
	70.05	Wash, 30 lks.wide, course N.W.
		Difference between measuremenst of 80.00 chs.by two
		sets of chainmen is 10 lks.; position of middle point
		Ry 1st set,80.05 chs.
		By 2nd set, 79.95 chs.; the mean of which is
	80.00	Set a porphyry stone, 22X10X8ins., 16ins.in the ground,
	<u> </u>	for standard cor.of sess.33 and 34.marked SC on N., with
		3 grooves on E., and 3 grooves on W.face; and raise a mmund of stone, 2ft. base, 1,1/2 ft. high, N. of cor.
İ		Pits impraticable.
		Land , level
		Soil, sandy and gravelly :3rd rate.
		mimber, scattering ironwood and paloverde.
		Underbrush, greasewood, ironwood, paloverde and cactus.
		Land covered with dense unterphash, 80.00 chs.
	•	
	,	west on S.bdy.of sec.33.
ł		Over nearly level land, through dense brush.
	0.20	Wash 15 lks.wide.course N.W.
		nifference between measurements of 40.00 chs.by two
	4.	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
.	40.00	Set a silicate stone, 22X8X8ins., i6ins.in the ground,
		for standard 4 sec.cor., warked SC 4 on N. face; and rais a mound of stone, 2ft. hase, 1, 1/2 ft. high, N. of cor.
		pits impraticable.
	45.10	Wash, 40 lks.wide, course N.W.
-	49.60	wash, 10 lks.wide, course N.W.
	62.65	Wash, 20 lks.wide, cowrse N.W.
		Difference between measurements of 80.00 chs.by two
		sets of chairmen 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, 22X8X8ins., 16ins.in the ground, for
	30.00	standard cor.of secs.32 and 33 marked SC on N., with 4 gr
		grooves on E., and 2 grooves on W.face; and raise a
		mound of stone, 2ft. hase, 1,1/2 ft. high, N. of cor.
		Pits impraticable.
-		Land, nearly level.
1		Soil, sandy and gravelly; 3rd rate.
		Timber, scattering paloverde and ironwood. Underbrush, paloverde, greasewood, ironwood and cactus.
		Land covered with dense underbrush, 80.00 chs.

January 19:1909.

rirst	standard	Parallel	North	through	Range	18	West.

-1		
	and approximately the second of the second o	
chains	January 20th, 1909; At 8 a.m., 1.m.t., T set oft	
D1146-4-1	33°43'30"N.on the lat.arc; 20°06'S.on the decl.arc and	
	33°43'30"N on the lat.arc; 20°00"S.qu one dect.arc and	
1	determine a meridian with the solar at the cor.of secs	
	defermine a meridian with one sories as we see the	
	32 and 33; thence I run	
	25 414 00, 0110100	
	west on S.hdy.of sec.32.	
	1 1 and Almonda dance hands	
	Over nearly level land through dense brush.	
9.20	wash, 10 lks. wide, course N.W.	
14.35	wash, 30 lks.wide, course N.W.	
3.		
23,10	wash 30 lks.wide,course N.W.	
37.35	Road, bears N.E. and S.W.	
	To the state of th	
38.80	. Wash, 20 lks. wide, course N.E.	
00.00	Difference between measurements of 40.00 chs.by two	
	1)11.16.16.166 Defmeen measurements or actor of the page 1	
	the statement are like tragition of middle roint	
	sets of chaimmen is 6 lks.; position of middle point	
	my 1 at ant 40 03 ohe	
.	Ry 1st set, 40.03 chs.	
1	By 2nd set, 39.97 chs.; the mean of which is	
1	y zind iso , or one	
40.00	Set a granite stone, 22X8X8ins., 16ins. in the ground, for	
40.00	standard sec.cor., marked SC on N.face; and raise a	
	standard sec.cor. marked SC 1 on N. race; and raise a	
	3 to the same of t	
i	mound of stone, 2ft. hase, 1, 1/2 ft. high, N. of cor. Pits.	
	de la la la company on the	
	impraticable.; from cor,	
	land the distribute heave MIX F 125 lks dist.	
ì	A paloverde, 5ins.in diam., bears N13°E., 125 lks.dist.	
1		
1	marked	
1	CQ 3 C Z2 DT	
1	1 50 \$ 0 00 0 b	
Į.	A paloverde, 5ins.in diam., bears N10°30'w.,170 lks.dist	
1	W Berring of tend there are margin and the same and the s	
1	marked	
1		
1	SC 1 S 32 BT .	
47.50	Wash, 15 lks.wide, course N.W.	
1 4/000	Trouble 9 and 1 an	
62.55	Wash, 15 lks.wide, course, N.W.	
	1	
+69.50	wash, 10 lks.wide, course N.W.	
79.50	Wash 10 lks.wide, course N.W.	
	nifference between measurements of 80.00 chs.by two	
	Willelenge becaedi menograman	
	sets of chairmen is 10 lks.; position of middle point	
1	Secs of Grantinon to as any pro-	
	Ry 1st set,80.05 chs.	
	By 2nd set, 79.95 chs.; the mean of which is	
	by 2nd set 79.95 chs.; the mean of which is	
ł	set a malpais stone, 22x8x6ins., 16ins.in the ground, for	
80.00	cet a malbaid stone 22X8X6INS., Louis In the ground, for	
80.00	set a marpara stone, and 32, marked SC on N.; with	
	Seaturdand corrections secsion and bacquary and on No. 1	
	Stranger and raise a	
İ	5 grooves on R., and 1 groove on W.face; and raise a	
i	of the opt hand 1 1/2 ft high N of cor.	
Į	mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.	
1	the state of the s	
	Pits.impraticable. from cor.	
1	A paloverde, 5ins. in diam., bears N 48° 45'E.,83 lks.	
	A Daloverde, Stills. III dram. , wet in the still and the	
	A see montes of	
İ	dist, marked	
	T 5 N R 18 W S 32 BT	
1	A ironwood, 6ins.in diam., bears N14°W., 174 lks.dist.	
	inonwood fins in diam. Dears N.4 W., 1/4 IKS. CLISC.	
1	W IIOMWOOG, Oznas and A	
i	marked	
	mar ked	
	T 5 N R 18 W S 31 BT	
	Land, nearly level.	
ł	Transport of the state of the s	
į.	Soil, sandy and gravelly; 3rd rate.	
l l	Title and management and ironwood.	
1	Timber, scattering paloverde and ironwood.	
l	Underbrush, greasewood and cactus.	
	Inderprise Risaseanne and Alegania	
1	Land covered with dense underbrush, 80.00 chs.	
	PRUG COASIECT MIGHT COUNTY CONTROL	
1		
1		
Ī	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
1	west on S.bdy.of sec.31.	
1	l land through dense diusu	
7.1	Over nearly, level land through dense brush	
	1	
7.1	5 Wash, 10 lks.wide, course N.W.	
	- 1 - 11- midd AANMER N. W.	
19.0	U Wash to tke study white west and an an are her here !	
	The second of th	
	sets of chainmen is 8 lks.; position of maddle point	
1 ,	gets of chainmen is 8 lks.: position of maddle point	
	Sens of Attended	
1	$\mathbf{r}_{\mathbf{n}} = \mathbf{r}_{\mathbf{n}} + $	
I	The state of the mean on which to	
ŀ	By 2nd set, 39.96 shs,; the mean of which is	
1		
40.0	The point for standard 4 sec. cor. falls on malpais rock	
30.0	- 1 AV 1 OV 1 / 1 M & QUOV (4 1.71H M 1 (1.111) (4 . W) 4 W 4 W 4 W 4 W 4 W 4 W 4 W 4 W 4 W	
1	in place, 14x12x10ins. above the ground, on which	
1		
I	cor., makked SC 4 on N. side of cross; and raise a mound	
1	The series of a colon side of cross; and raise a mountain	
	of stone, 2rt, base, 1, 1/2 ft. high, N. of cor.	
J	of stone 2rt hase 1.1/2 rt. nign, N.O. Cor.	
	Or Show the Aller of the	
	1 A A A A A A A A A A A A A A A A A A A	
1	Pits impraticable. Tiom cor. A paloverde, 4ins. in diam., bears N40°W., 6 lks.dist.,	
1	A Daloverde, 41115, in diam., Doars day here	
1	222 20 2 2 20	
1	marked SC 4 S 31 BT	
1	a so the mide course N.W.	
43.0	wash, 50 .1ks.wide, course N.W.	
52.	wash, 40 lks.wide, course N.W.	
	1	
63.7	75 WASH, 40 IND. WILLY JOURS TO THE TOTAL	
1 6,6,0	γ_1 . The second of γ_2 . The second of γ_2	
1	" I	

First Standard Parallel North through Range 18 West.

Chains

Difference between measurements of 80.00 chs.by two sets of chainmen is 6 lks.; position of middle point

By 1st set,80.03 chs.

80.00

Ry 2nd set, 79,97 chs.; the m an of which is set a malpais stone, 22X8X6ins.16 ins.in the ground, for standard cor, of Tps.5 N Rs.18, and 19 W., marked 5 N on N 18W on E., and 19 W on W.face; with 6 grooves on N., E., ad W.faces; and raise a mound of stone, 2ft. base, 1,1/2 ft. high N.of cor. Pits impraticable. wrom cor.

A paloverde, 4ins.in diam., bears N41°15'E., 129 1ks.

dist., marked

T 5 N R 18 W S 31 BT

A paloverde, 6ins.in diam., bears N7°30'w., 290 lks. dist, marked

T 5 N R 19 W S 36 BT

Land, level

Soil, sandy and gravelly; '3rd rate. Timber, saattering paloverde and ironwood.

Underbrush, greasewood and cactus.

Land covered with dense underbrush, 80.00 chs.

Through Range 18 this line passes over mountainous level and nearly level land; the soil being sandy, gravelly, stony and rocky; 3rd and 4th rate, and covered wit a scattering growth of paloverde and ironwood timber, with a dense undergrowth of greasewood, ironwood, paloverde and cactus. There is no water along this line.

Tp 5 N R 18 W is mountainous in the E., and level

in the W.,

There are no settlers along this line.

First Standard Parallel North through Range 19 West.

			نحصن
٦	GIRLING		1
1		West on S.hdy.of sec.36.	:
		Over nearly level land through dense brush.	
	13.20	wash, 15 lks.wide, course N.W.	ý.
-	14.80	wash, 15 lks.wide, course N.W.	
1		Difference between measurements of 40.00 chs.by two	
		sets of chairmen is 6 lks.; position of middle point	
-		Ry 1st set.40.03 chs.	
		By 2nd set, 39.97 chs.; the mean of which is	
	40.00	Set a malpais stone, 21 x8 x6 ins. 16 ins. in the ground, for	
1	40.00	standard 7 sec.cor., marked SC 7 on N. face; and raise	
١	•	Standard 7 sec. cor., marked 50 4 on what was a care of	
		mound of stone, 2ft. hase, 1,1/2 ft. high, N. of cor.	
		pits impraticable. From cor.	
		A paloverde, 6ins.in diam., bears N29°30'W., 305 lks.	
		dist., marked	
		SC 🕏 S 36 BT	
	54.00	wash, 20 lks. wide, courseN.W.	
		wash, 20 lks. wide, course N.W.	
	63.85	wash, 20 lks.wide, course N.W.	
	68.40	Difference between measurements of 80.00 chs.by two	İ
		militaring between measurements of octoo offices the	
		sets of chairmen is 8 lks.; position of middle point	İ
		By 1st set,80.04 chs.	
		By 2nd set, 79.96 chs.; the mean of which is	l
	80.00	Set a malpais stone, 21x10x6ins., 16ins.in the ground, for	r
	J - • 7 "	etandard cor of secs. 35 and 36 marked SC on N., with	1
	- ,.	1 groove on F and 5 grooves on W.face: and raise a	
		mound of stone, 2ft. base, 1,1/2 ft. high, N. of cor.	ĺ
•		Pits impraticable.	
	_		
		Land, level.	
	4	Soil, sandy and gravelly; 3rd rate.	
		Timber, scattering paloverde and ironwood.	
		Underbrush, greasewwod, cactus and paloverde.	
		Land covered with dense underbrush, 80.00 chs.	
		West on S.bdy.of sec.35.	
•		Over nearly level land through dense brush.	
	13.15	wach 20 lkg.wide.course N.	
	1	l a manual a sur a contam manula and alland in manula	
	21.36	1 10 10 10 10 10 10 10 10 10 10 10 10 10	
	24.00	1	
	29.00	1	
	31.00		
	39.45	wash, 20 lks.wide, course N.	ĺ
		Difference between measurements of 40.00 chs.by two	
		sets of chainmen is 6 lks.; position of middle point	
		Ry 1st set 40.03 chs.	
		by 2nd set 39.97 chs.: the mean of which is	
	40.00	cet a malnais stone 24x10x8ins18ins.in the ground, I	or
	40.00	standard descreenarked SC don N.face; and raise	a
		mound of stone, 2ft.base, 1,1/2 ft.N. of cor.	
•	1 - 7 A 1	pits impraticable. From cor.	
	l	A paloverde, 8ins.in diam., bears N62°E.,83 lks.dist.	
			1
		marked	
		SC 4 S 35 BT	
	1.5	A catclaw, 4ins.in diam., bears N40°30'W.,141 lks.dis	,
		marked	
		SC $\frac{1}{4}$ S 35 BT	
	45.10	wash, 20 lks.wide, course N.	_
	76.35	wash so like wide course W.N.W.	1
		niceanne hetween measurements of 80.00 cns.by two	
		sets of chairmen is 8 lks.; position of middle point	•
		py let. set. 80.04 chs.	
		ny 2nd get 79.96 chs.: the mean of which ws	
		I LANG CONTOVO ING INTERNATIONAL PRODUCT	
	80.00	for standard cor. of secs. 34 and 35, marked SC on N., W.	ilth
		for Standard Cor.ol auto.or and police of the interior	4
	1.	grooves on E. and 4 grooves on W.face; and raise a mound	7 -
		of stone 2ft.base,1,1/2 ft.nigh, N. of cor.	1
		nite impostingable From COr.	ا _ ا
		An iron wood, 14 ins. in diam. bears N49° 45'E., 197 1	KS.
		dist.,marked	
		T 5 N R 19 W S 35 BT	1
			1
	1 .		1

wirst Standard Parallel North through Range 19 West.

	chains	A paloverde, 16 ins. in diam., bears N 33°W., 113 lks. dist., marked
	4	T 5 N R 19 W S 34 BT
	· v	Land, nearly level. Soil, sandy and gmavelly; 3rd rate.
	ser!	Timber, scatter ing paloverde and ironwood.
		Underbrush, greasewood, paloverde and cactus.
		Land covered with dense underbrush, 80.00 chs. At this cor. I set off 20°06'30"S on the decl.arc.
		and observed the sun on the meridian at noon. the result
		ing lat.is 35°43'30" N
	,	
		West on S.bdy.of sec.34
	2.45	Over nearly level land through dense brush. Wash, 30 lks.wide, course W.N.W.
		Difference between measurements of 40.00 chs. by two
		sets of chairmen is 6 lks.; position of middle point Ry lst set,40.03 chs.
		By 2nd set,39.97 chs.; the mean of which is
	40.00	Set a malpais stone, 22X8X6ins., 16 ins. in the ground, for
		standard 1 sec.cor., marked SC 1 on N. face; and raies a mound of stone, 2ft.base, 1, 1/2 ft, hggh, N. of cor.
		Pits impraticable. From cor.
		An ironwood, l2ins.in diam., bears North., 131 lks.dist
		SC 4 S 34 BT
	•	An ironwood, 7ins.in diam., bears N41°15'W., 250 lks. dist., marked
		SC 4 S 34 BT
	68.15	Wash, 15 lks. wide, course W.N.W.
		nifference between measurements of 80.00 chs.by two sets of chainmen is 8 lks.; position of middle point
		Ry 1st set,80.04 chs.
	80.00	By 2nd set, 79.96 chs; the mean of which is Set a malpais stone, 22X8X8ins., 16ins.in the ground, for
	00,00	standard cor.of secs.33 and 34, marked SC on N., with 3
	, .	grooves on E., and 3 grooves on W.face; and raise a mound of steme, 2ft. base, 1,1/2 ft. high, N. of cor.
		Pits impraticable.
		Land, nearly level.
	·	Soil, sandy and gravelly; 3rd rate. Timber, scattering paloverde and ironwood.
		Underbrush, greasewood and cactus.
		Land covered with dense underbrush,80.00 chs.
.	•	West on S.bdy.of sec.33. Over nearly level land through dense brush.
	4.30	Road, bears W. and S.
	14.85	Road, bears N. and S,
	28.20	Enter basin. Difference between measurements of 40.00 chs. by two
		sets of chairmen is 8 lks.; position of middle point,
		By 1st set,40.04 chs. By 2nd set,39.96 chs.; the mean of which is
	40.00	Set a malpais stone, 22x10x10ins., 16insin the ground, for
		standard 1 sec.cor., marked SC 1 on N.face; and raise a mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.
		Pits impraticable. From cor.
-		A paloverde, 18ins.in diam., bears N33°45'W., 13 lks.
		dist.,marked SC 1/2 S 33 BT
	42.10	Wash, 60 lka.wide, course N.W.
	53.45 65.25	Wash, 60 lks.wide, course N.W. Tyson wash, 300 lks.wide, course N.W.
	70.80	Leave basin; enter rolling land.
	76.50	Wash.20 lks.wide,course N.E. Difference between measurements of 80.00 chs.by two
1		sets of chairmen is 6 lks.; position of middle point

च	irst Standard Parallel North through Range 19 West.
chains	
3	By 1st set,80.03 chs.
	By 2nd set, 79.97 chs.; the mean of which is
80.00	Set a malpais stone, 22 X8X6ins., 16ins. in the ground, for
	standard cor.of secs.32 and 33, marked SCon N., with 4
	grooves on E., and 2 grooves on W.face; and dig pits,
	24X18X12ins.crosswise on each line, E., and W., 3ft., and N.
·	of stone,7ft.dist.; and raise a mound of earth,4ft.base
	2ft.high, N.of cor.
•	Land, level and rolling.
	Soil, sandy and gravelly: 3rd rate.
	Timber scattering paloverde and ironwood.
	Underbrush, greasewood, mesquite and paloverde.
	Land covered with dense underbrush, 80.00 shs.
	west on S.bdy.of sec.32.
	Over rolling land through dense brush.
10.10	wash, 10 lks.wide, course N.W.
15.30	Road from Quartzite to Valenzuela mine, bears N.W. and S.E
18.70	wash.20 lks.wide,course N.E.
33.10	wash, 20 lks.wide, course N.E.
35.15	wash, 40 lks.wode, course N.E.
	Difference Between measurements of 40.00 chs.by two
	sets of chainmen is 4 lks.; position of middle point
	By let set, 40.02 chs.
	By 2nd set, 39.98 chs.; the mean of which is
40.00	set a malpais stone, 22X8X6ins., 16ins.in the ground, for standard 4 sec.cor., marked SC 4 on N.face; and raise a
•	standard 1 sec.cor., marked SC 1 on N. race; and raise a
	mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.
	Pits impraticable.
69.90	Wash, 15 lks. wide, course N.
78.20	Wash, 15 lks. wide, course N.
	• nifference between measurements of 80.00 chs.by two
	sets of chainmen is 6 lks.; position of middle point
	Ry 1st set,80:03 chs.
	By 2nd set, 79.97 chs.; the mean of which is
80.00	set a granite stone, 22x8x6ins., 16ins. in the ground, for
	standard cor. of secs. 31 and 32, marked SC on N., with 5
,	grooves on E., and I groove on W.face; and raise a mound
	of stone, 2ft. base, 1,1/2 ft. high, N. of cor. Pits impratic-
	able.
	Land, rolling and nearly level.
	Soil, sandy and gravelly: 3rd and 4th rate. Timber, scattering paloverde and mesquite.
	Underbrush, greasewood, mesquite and acactus.
	Land covered with dense underbrush, 80.00 chs.
	Land covered with dense underpression. Oc. on ons.
1	January 20th, 1909.
·	January Boom, Ecoo.
	January 21st,1909; At 8 a.m., l.m.t., I set off
	33°43'30"N.on the lat.arc, and 19°53'30"Son the decl.
	arc: and determine a meridian with the soalr at the cor
	of secs. 31 and 32; thence I run
	west on S.hdy.of sec.31.
	Over rolling land through dense brush.
8.30	Wash, 20 lks.wide, course N.
19.10	Wash, 20 lks.wide, course N:E.
13.10	Difference between measurements of 40.00 chs, by two
	sets of chainmen is 6 lks.; position of middle point
	By 1st set.40.05 chs.
	By 2nd set, 39.97 chs.; the mean of which is
40 00	set a granite stone, 21x10x8ins., 16ins.in the ground, for
30.00	standard 1 sec, cor., marked SC 1 on N. face; and raise a
	mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.
	Pits impraticable.
48.90	Wash, 20 lks. wide, course N.
69.15	wash, 40 lks, wide; course N.
700.70	Difference between measurements of 80.00 chs.by two
	sets of chairmen is 8 lks. position of middle point
1	Made of Commence and Commence a
	,

BOOK 2121

First Standard Paralle North through Range 19 West.

80.00

By 1st set,80.04 chs.

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

Set a granite stone,22X8X8ins.16ins.in the ground,for

standard cor,of Tps.5 N Rs.19 and 20 West,marked 5 N on

N.,19W on E.,and 20 W on W.,with 6 grooves on N.,E.,and

W.,faces; and raise a mound of stone,2ft.base,1,1/2 ft.

high,N.of cor. Pits impraticable.

Land,rolling.

Soil,gravelly; 4th rate.

Timber, scattering paloverde and ironwood.

Underbrush,greasewood and cactus.

Land covered with dense underbrush, 80.00 chs.

Through Range 19 West this line passes over level and rolling land, the soil being sandy and gravelly; 3rd and 4th rate; and covered with a scattering growth of paloverde and ironwood timber and a dense undergrowt of greasewood, mesquite, paloverde and cactus. There is no water along this line.

TP 5 N R 19 W is level, the soilbeing snady; '3rd rate

C	hains	West on S.hdy.of sec.36.	
		Over level land through dense brush.	
	9.15	wash, 10 lks. wide, course N. Difference between measurements of 40.00 chs. by two	
		sets of chairmen is 6 lks.; position of middle point	
		By 1st set, 40.03 whs.	
		By 2nd set, 39.97 chs. the meah of which, is	
	40.00	Set a granite stone, 21X8X8ins, 16ins.in the ground, for	
•	40.00	standard 4 sec.cor., marked SC 4 on N. face; and raise a	
		mound of stone, 2ft.base, 1, 1/2 ft.high, N. of cor.	
		Pits impraticable. From cor.	
		A paloverde, 7ins.in diam., bears N 8 W., 24 lks., dist.	
		marked	
		SC 2 S-36 BT	
	49.10	wash, 35 lks.wide, course N.W.; Enter mountainous land;	
	30,20	leave dense brush.	
		pifference between measurements of 80.00 chs.by two	
		sets of chainmen is 8 lks.; position of middle point	
		Ry 1st set,80.04 chs.	
	·	By 2nd set 79.96 chs.; the mean of which is	
	80.00	Set a granite stone 22 X10X8ins., 16ins.in the ground,	
		for standard cor. of secs. 35 and 36, marked SC on N., with	
		1 grodue on E. and 5 grooves on W., face; and raise a mo	
		mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.	
		pits impraticable.	
		Land, lavel and mountainous.	
		Soil, rocky; 4th rate.	
		rimber scattering paloverde.	
		Underbrush, greasewood and cactus.	ĺ
	1	Land mountainous or covered with dense underbrush,	
		80.00 chs.	
		West on S.bdy.of sec.35.	ĺ
	1	Over mountainous land.	
	36.45	Wash, 25 lks. wide, course N.	1
		Difference between measurements of 40.00 chs.by two	
		sets of chairmen 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 granite stone, 22x8 46ins., 16 ins. in the ground, for	
	40.00	standard 4 sec.cor., marked SC 4 on N. face; and raies	
		a mound of stone, 2ft. base, 1, 1/2 ft. high, N. of cor.	
		pits impraticable.	
	-0.00	wash, 20 lks. aide, course N.	
	58.20	Difference between measurements of 80.00 chs.by two	
		sets of chairmien is 10 lks.; position of maddle point	
		By 1st set,80.05 chs.	
	r	by 2nd set 79.95 chs.: the mean of which is	
	80.00	ceta granite stone 26x12x12ins19ins.in the ground, for	
	30.00	standard cor of secs. 34 and 35 marked SC on Walth	
		2 grooves on E. and 4 grooves on W. face; and maise a	-
	,	mound of stone, 2ft.base, 1,1/2 ft.high, N.of cor.	
		Pits impraticable.	
		Land mountainous.	
		soil.rocky; 4th rate.	
		No timber or underbrush.	
		Wountaining land 80.00 chs.	
		At this cor T set off 19"53'30"S.on the deci.arc	
	,	and observe the sun on the meridian at moon; the r	
		resulting lat.is 35° 43'30"N.	.
		west on S.bdy.of sec.34.	
	1	Over mountainous land.	
		Difference between measurements of 40.00 chs.by two	
		sets of chainmen is 10 lks.; position of middle point	
	1	By 1st set, 40.05 chs.	1

By 1st set, 40.05 chs.; the mean of which is

	r chains	rirst Standard Parallel North through Range 20 West.
	40.00	
•		Set a granite stone, 26x14x12 ins., 19ins.in the ground, for standard 7 sec.cor., marked SC 1 on N. face; and
-		addise a mound of stone 2ft base 1 1/2 ft bigh where
		Lice Tubiscidable
		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
	80.00	EQUAL FOR Standard Sec. cor. falls on a granite stone
		In place, 32x26x12ins. above the ground on which
		T cut a (X) at the corpoint for cor. of secs. 33 and 34, marked SC on N. side of cross, with 3 grooves of
		on E., and 3 grooves on W. side on cross: and raise a
		mound of stone, 2ft. base, 1,1/2 ft. high. N. of cor
		Pits impraticable. Land, mountainous.
•		Soil, rocky; 4th rate.
		No timber or underbrush.
•	-	Mountainous land, 80.00 chs.
		West on S, bdy.of sec.33.
		Over mountainous land.
	35.30	Wash, 15 1ks.wide, course N.W.
		Difference betweenmeasurements of 40.00 chs.by two
		sets of chainmen is 10 lks.: position of middle point By 1st set, 40.05 chs.
		By 2nd set, 39.95 chs.: the mean of which is
- -	40.00	Set a granite stone 22x12x10ins lains in the ground
		Tor standard 2 sec.cor. marked SC + on N face, and walks
•		a mound of stone, 2ft.base, 1, 1/2 ft.high, N. of cor. Pits impraticable.
-	49.00	Leave mountainous land, enter rolling hills covered with
	64.15	dense brush.
	04.10	Wash,600 lks.wide,course N.W. Difference betweeh measurements of 80.00 chs.by two
		sets of chainmen is 8 lks.; position of middle point
		By 1st set,80.04 chs.
	80.00	Ry 2nd set,79.96 chs.; the mean of which is Set 4 granite stone,24x14x12ins.,18ins.in the ground,
•	30.00	for standard cor. of secs. 32 and 33, marked SC on V.
		With 4 grooves on E. and 2 grooves on W face and
		raise a mound of stone, 2ft. base, 1,1/2 ft. high. N. of cor
		Pits impraticable. Land, mountainous and rolling.
	,	soil, rocky; 4th rute.
		No timber.
		Underbrush, greasewood and cactus.
		Land mountainous or covered with dense underbrush, 80.00 chs.
- `€ •		
		west on S.bdy.of sec.32.
		Over rolling land through dense brush.
	24.20	Wash, 15 lks. wide, course NW.
•		Difference betweenmeasurements 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
	40.00	'Set a granite stone, 24x10x12ins, 18ins in the ground for
		standard 4 sec.cor., marked SC 4 on N. face; and raise a
		mound of stone, 2ft.base, 1,1/2 ft.high, N. of cor. Pits impraticable.
		As this point is very close to the East bdy.of the
		Colorado Indian Reservation will come I stop my line
•		here and proceed to run the E.bdy.of the C.R.I.R. January 21st, 1909.
		January 27th; At 9 a.m., 1.m.t., I set off 35 45-1/2
		N.on the lat.arc, 18°29'S.on the decl.arc and determine
		a true meridian with the solar at the standrad decree
Act - committee and	and the same of the same	

First Standard Parallel North through Range 20 West

chains

S.bdy.of sec.32 at which point I quit on January 21st.
Thence continuing the line run to this decor.on
January 21st,1909

run

44.27

West on S.bdy.of secs. 32.
Intersect the E.bdy.of the Colorado River Indian Res., at a point, N 3°00'E.and 2.06 chs.dist., of the 9th.mile cor. and Set a granite stome, 22x10x8ins., Fins. in the ground for closing cor., marked CC 20 W on E.ASC 5 N on N.face, with 6 grooves on N.face; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, E of cor.

Land, mountainous and molling.
Soil, rocky: 4th rate.
No timber.
Underbrush, greasewood and cacti.
Land mountainous and covered with dense underbrush,
44.27 chs.

January 27th, 1909.

Through this Tp., the line runs over and mostly mountainous, and covered with a growth of greasewood and cacti underbrush.

Tp.4 N R 20 W., is mostly rugged and mountainous. Tp.5 N., R 20 W., is mostly rugged and mountainous.

In surveying this Standard through from Range 3 W., to Range 20 W., inclusive, I destroy all cors. establishe by Deputy Santee under Contract No 146.

John H. Hesse U.S. Deputy Surveyor.

For authority for sed ink corrections and 7/1/0

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

82

4	LIST OF NAMES.	4
,	A list of the names of the individuals employed by John H.	lesse
	, United States Deputy Surveyor, to assist in running	
ma	rking the lines and corners described in the foregoing field notes of the survey of the	,
de	rallel North through ago 3 to 200 incl.	* Quinung
	owing the respective capacities in which they acted:	
<u>) </u>	Name of Daniel	01 :
	Wilfred B. Helm	, Chainman.
	Homan Oliver	, Chainman.
		, Moundman
	Gred W. Rodolf	, Moundman.
		, Axman.
		, Axman.
	a. Q. Saunders	, Flagman.
	FINAL OATH OF ASSISTANTS.	in it is a second of the secon
	We hereby certify that we assisted John D Kesse	
	United States Deputy Surveyor, i	n surveying all
tnos	e parts or portions of the At Standard Parallel Worth to	irough
ve	go. 3 to 20 W. Que'l.	
	of the	Gilaand
Va	alt ainer meridian, Peritory of aryona, which	
$\mathbf{in} \mathbf{th}$	the foregoing field notes as having been surveyed by him and under his direction; and the	are represented
ias i	been in all respects, to the best of our knowledge and belief, well and faithfully sur	veved, and the
orne	er monuments established, according to the instructions furnished by the United S	tates Surveyor
Jene	oral for Chizona	
	Harry & Ingall	Chainman
	Harry I Ingall Wilfred B. Helin	
	The state of the s	., Unainman.
	(IF 171) (D) 1 01	, Moundman.
		., Moundman.
	Moman! Plins	Chamman , Axman.
		, Axman.
	a R Saunders	Flaaman
		, I wyman.
u bec	ribed and sworn to before me this 27th	
dı	()_	
	1807)	•
	soccord four T' Hess	
g 1e-	SEAL OF SEAL SE	erveras-
616	U. S. Deputy Se	inveyor
616	istary available without great expense and los	erveyor of time

FINAL OATH OF UNITED STATES DEPUTY SURVEYOR. John H. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from "Hauk S. Sugalls Chiyona , bearing date of the United States Surveyor General for 10th day of October , 1908, 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 Hirst Standard Parallel North through Ranges 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, and 20 West A River meridian, in the Merritory of Arrona, which are represented in the 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 Chinoca and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey. John I Nesse United States Deputy Surveyor John J. / Lesse, and sworn to before me) APPROVAL. OFFICE OF THE UNITED STATES SURVEYOR GENERAL, The foregoing field notes of the survey of Standard &

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