

Field Notes

of the Survey of the
 N. and E. Bdry of T. 18 S. R. 22 E.
 N. and E. Bdry of T. 17 S. R. 21 E.
 N. and E. Bdry of T. 17 S. R. 22 E.
 E. Bdry T. 16 S. R. 21 E. and
 E. Bdry T. 16 S. R. 22 E. of
 Gila and Salt River, Base and
 Meridian,
 Territory of Arizona

As Surveyed by,

G. H. Wallace,

U. S. Deputy Surveyor

Under his Contract,

No. 3.

Dated, April 26th 1886.

Survey Commenced, Dec. 2nd 1886.

Survey Completed, Dec. 9th 1886.

Names and Duties of Assistants:

Frank Lewis,	Chairman.
Morris Howard,	Chairman.
Henry Timmer,	Apeman.
H. H. Callahan,	Apeman.
Jose Moreno,	Flagman.

Preliminary and Final Raths

See Books Nos. 1, 6, 7, 9, 10 and 11.

Index		Page.
East Bay	T 18 S R 22 E	3
North "	T 18 S R 22 E	15
East Bay	T 17 S R 21 E	27
North "	" 17 S " 21 E	40
East "	" 17 S " 22 E	51
North "	" 17 S " 22 E	63
East "	" 16 S " 21 E	73
East "	" 16 S " 22 E	83
North "	" 16 S " 22 E	95
North "	" 16 S " 21 E	103

2.
Preliminary Oaths of Assistants.

We

and

do solemnly swear that we will well and faithfully execute the
duties of Chain Carriers; that we will level the chain over even
and uneven ground, and plumb the tally pins, either by sticking
or dropping the same; that we will report the true distance to
all notable objects, and the true length of all lines that we assist
in measuring, to the best of our skill and ability and in accord-
ance with instructions given us in the survey of the.....

.....

.....

.....

.....

.....

.....

..... Territory of Arizona.

..... Chainman.

..... Chainman.

Subscribed and sworn to before me, this.....

day of..... 188.....

.....
Notary Public.

We Frank L. Lewis Morris

Howard & Frank L. Lewis

do solemnly swear that we will well and truly perform the duties of surveyor and chairman

in the establishment of corners and other duties according to instructions given us, and to the best of our skill and ability, in the survey of the Exterior and subdivision
lines of Twp 16 S R 21 and 22 E, Twp
17 S, R 21 and 22 E, & Twp. 18 S R 22 E.

Territory of Arizona.

R. M. Miller

Morris Howard Chairman

Frank L. Lewis Chairman

Subscribed and sworn to before me this 29th

day of November 1886

George R. King

Notary Public.

I, Henry Timmuler, do solemnly swear that I will well and truly perform the duties of ~~A...~~ according to instructions given me and to the best of my skill and ability.

Henry Timmuler

Sworn to and subscribed before me this 29 day of November 1886

George R King
Notary Public

I, Jose Moreno, do solemnly swear that I will well and truly perform the duties of Flagman ~~at...~~ according to instructions given me and to the best of my skill and ability.

Jose + Moreno
his mark

Sworn to and subscribed before me this 29 day of November 1886.

George R King
Notary Public

Exteriors T. 18 S. R. 22 E.

East Body T 18 S R 22 E

Gila and Salt-River Base and Meridian

Survey commenced, Dec. 2nd 1886
with a Gurley solar transit

To survey the Exteriors of T. 18 S.
R. 22 E. Gila and Salt-River Base
and Meridian, Arizona Territory.

I begin at the Cor. to T. 18 and
19 S. R. 22 and 23 E. which is a
Mesquite post, 4 ins. square,
standing 4 ft. high and firmly
set in a large mound of stone;
Marked:

T. 18 S. R. 23 E., 31, on N. E.

T. 19 S. R. 23 E., 6, on S. E.

T. 19 S. R. 22 E., 1, on S. W. and

T. 18 S. R. 22 E., 36, on N. W. faces with
6 notches on N. S. E. and N. edges,

4
BOOK 1882
Exteriors F. 18. S. R. 22 E.

Fence I run,

North, bet. sects. 31 and 36.

Val $12^{\circ} 20' E$,

Over-rolling hills.

By observations at this place I find
by the solar apparatus the latitude
to be $31^{\circ} 51' - 41'' N$.

.18 Edge of key wash 20 ft. wide bet. S. N. ascend

7.00 Top of ridge 100 ft. high. bet. S. N. & N. E.

37.40 Road from Foubstone to Wagon

49.00 Set a limestone $16 \times 8 \times 6$ ins. ^{11 1/2 in.} ~~12~~
in the ground for $\frac{1}{4}$ sec. Cor.

Marked $\frac{1}{4}$ on W. face is raised
a mound of stone alongside

80.00 Set a Granite stone $16 \times 10 \times 5$ ins.

Exteriors T. 18 S. R. 22 E.

^{11 1/2}~~13~~ in the ground for ^{1/4} sec. 25,
30, 31 and 36. Marked with 1 notch
on S. and 5 notches on N. edges
and raised a ~~row~~ ^{row} of stones
alongside.

Land, high rolling Mesa.
Soil 4th rate and rocky
No timber. Fair grass.

North, bet. sec. 25 and 30.

Var 12°-22' E

Over rolling Mesa.

- 9.00 Ravine, Course S. W. left, slope
- 15.00 Ravine, Course S. W. 75 ft. deep
- 36.00 Ravine, Course S. W. 50 ft. deep
- 40.00 Set a stone 14x8x7 ins. ^{9 1/2}~~13~~ in the
ground for 1/4 sec. Cor. Marked

Exteriors F 188 R 22 E

- 66.00 '4 on N. face; raised a mound of stone alongside Ravine, Course S.W.
- 79.40 Shallow ravine, Course S.W.
- 80.00 Set a stone $14 \times 12 \times 10$ ins. ^{9 in} $\times 3$ in the ground for cor. to secs. 19, 24, 25, and 30 Marked with 2 notches on S. and 4 notches on N. Edges and raised a mound of stone alongside. To and, rolling Mesa. Soil, worthless. No timber, Good grass.

North, bet. secs. 19 and 24,
 Var. $12^{\circ} 20'$ E.
 Over rolling Mesa.

Exterior F. 18 S. R. 22 E.

- 15.00 Ravine, course S. W.
- 20.45 Ravine, course S. W.
- 40.00 Set a stone $14 \times 11 \times 4$ ins. ^{9 in.} ~~12~~ in the ground for $\frac{1}{4}$ sec. cor. Marked $\frac{1}{4}$ on N. face; raised a mound of stone alongside.
- 80.00 Set a post $4\frac{1}{2}$ long 4 ins. square with a charred stake 12 ins. in the ground for Cor. to sec. 13, 18, 19 and 24. Marked, F. 18 S. S. 18 on N. E., R. 23 E. S. 19 on S. E., R. 22 E. S. 24 on S. W. and S. 13 on N. W. faces with 3 notches on N. and S. edges; dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth

Extensive F. 18 S. R. 23 E.

2 ft. high 4 1/2 ft. base around post.

Open rolling mesa.

Soil 4th rate.

No timber, good grass.

North, bet. sec. 18 and 18.

Var. 12^o 20' E.

Over rolling land

1.80 Old road bet. N.E. and S.W.

13.70 Sandy ravine bet. S.W.

32.60 Road, bet. S.W. and N.E.

40.00 Set a post 3 ft. long 3 ins. square

with a charred stake 12 ins. in

the ground for 1/4 sec. cor. Marked

1/4 S. on N. face. Tree which

is live oak, 36 ins. diam. bet. N. 85° W.

marked 1/4 S. B. P.

9

Exterior F. 18 S. R. 32 E.

20 lks. dist.

A live oak, 16 ins. diam. base, N. 16° E.

no mark

20 lks. dist., marked 1/4 S. B. 71

41.20 Enter flat, from mesa.

46.00 Sand wash 60 lks. wide bro. W. sand

55.00 Leave flat and ascend low ridge.

57.00 Top of low ridge, bro. E & W, 300 yds

80.00 Set a quartz stone 16x12x12 ins. ^{10 ins.} ~~12~~

in the ground for cor. to sec. 7, 12

13 and 18. Marked with 4 notches

on S. and 2 notches on N. edge

and raised a rimmed of
stone alongside.

Band rolling. Mesa

Soil poor.

No timber, some grass.

By observation, ^{at sec. cor. 7, 12, 13 and 18} I find the latitude to be 32° 00' - 20" N.

Extensions F 18 S R 223

North lot, secs. 7 and 12.

Var 12°-20' E.

Over rolling land.

40.00

Set a granite stone 18x6 ins. ^{12 in.} in the ground for 1/4 sec. Cor. Marked 1/4 on N. face, raised a mound of ston. alongside

42.80

Fruitstone and Wagon road brs, N.W. and S.E.

47.30

Fruitstone and Wagon road brs, N.E. and S.W.

57.80

Ravine, brs S.W.

61.50

old wood road, brs S.W.

65.00

Ravine, brs S.W.

80.00

Drive a chored stake 12 ins. in the ground for Cor. to secs 1, 6 7 and 12; dug pits 18x18x12 ins.

Station F, 18 S, R, 22 E.

in each sec. 5 1/2 ft. dist and
raised a mound of earth 2 ft.
high 4 1/2 ft. base over it. In
S. E. pit drove a stake 2 ft. long
2 ins. square 12 ins. in the
ground. Marked.

F, 18 S, 6 on N. E.

R, 23 E, S. 7 on S. E.

R, 22 E, S. 12 on S. E.

and S. 1 on N. W. faces, with 5 notches
on S. and 1 notch on N. edges.

Over rolling mesa.

No timber. Soil poor.

North, bet. secs. 1 and 6

Va 12° 20' E.

Over rolling land.

Exterior of T8 S R 22 E

- 40.00 On S. face of a granite precipice
20 ft. high. Marked ^{on} point of
Measurement with X and 1/4
and raised a mound of stone
abovgside.
- 40.50 Top of precipice, of granite, at its
West Westerly point and descend.
- 41.00 Bottom of hill, across level flat.
- 47.30 Ravine, Course S. W.
- 52.20 Road from Fountaine to Meagons brs N. W. + S. E.
- 80.00 Set a block oak post 5 ft. long
5 ins. square with a charred
stake 18 ins. in the ground for
Cor. to T. 8 S. 17 and 18 S. R. 22
and 23 E. Marked
T. 17 S. S. 31 on N. E.
R 23 E. S. 6 on S. E.

Extensive F, 18 S, R, 22, E.

F, 18 S, S. 1 on S, W, and,
 R, 22 E, S. 36 on N, W, faces, with 6
 notches on N, S, E and W edges,
 dug pits 24x18x12 ins lengthwise
 on each line N, S, E, and W, 6 ft.
 dist and raised a mound of earth
 2 1/2 ft high 5 ft. base around post
 From which,

no marked.

A live oak 10 ins. diam. pros. S. 48 1/2° E.
 136 lks. dist; mcd F, 18 S, R, 23 E. S. 6 B. 1

A live oak 7 ins. diam. pros. N. 68° E.
 251 lks. dist; ^{mcd} F, 17 S, R, 23 E. S. 31 B. 1

A live oak 6 ins. diam. pros. N. 53° W
 303 lks. dist; ^{mcd} F, 17 S, R, 22 E. S. 26 B. 1
 No other trees near.

House and improvements of Kansas
 Cattle Co. pros. S. 52° W

Low rolling mesa, to the east

Exterior of T 18 S R 22 E,

about one half mile is the
 foot of Dragon Mountains,
 which are very precipitous.
 Soil is fine granite gravel
 and worthless except for grass.
 Scattering oak trees along foot of
 Mountains. Fair grass.

By observation I find ^{of this cor-} latitude to be $31^{\circ} 56' 53''$ N.
 T 18 S R 22 E and a portion of T 18 S R 23 E should be subdivided.
 Dec. 2nd 1886

From the cor. to T 18 S. R. 22
 22, and 23 E., I run N. on a
 random line, between the said
 townships, the variation of my
 instrument being $12^{\circ} 20' E$.

I set temporary half mile and
 mile corners at each 40 and 80 chs.
 and find the township line to be.

Extension T 18 S. R 22 E.
North Bedry T 18 S R 22 E.

5 miles 76 chs. and 42 lks. long
and falling at the cor. to Tks. 17
and 18 S. Rs. 21 and 22 E. There
being no correction necessary for
a true line.

From the cor. to Tks. 17 and 18 S. Rs. 21 and 22
E. which is a post in a mound of earth with pits
properly establish

Hence I run

East on a true line bet. sec 6 and 31.

Var. 12° E.

Over nearly level mesa.

34.90 Old road bet. S. W. and N. E.

36.42 Herein a corner stake 12 ins. in the
ground for $\frac{1}{4}$ sec. cor. dug pits $18 \times$
 18×12 ins. E. and ^{of corner} N. $5\frac{1}{2}$ ft. dist. and

Exterior T. 18 S., R. 22 E.

raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. square, 12 ins. in the ground. Marked $\frac{1}{4}$ S. on N. face.

48, 40 Ravine, general, course S. W.

76, 42 Drove a charred stake 12 ins. in the ground for cor. to sec. 5, 6, 31 and 32, dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ft. long 2 ins. square, 12 ins. in the ground, Marked.

T. 17 S., S. 32 on N. E.

R. 22 E. S. 5 on S. E.

Exterior of T. 18 S. R. 22 E.

T. 18 S. S. 6 m S. W. and

S. 31 m. N. W. faces with 1 notch on
N. and 5 notches on E. edges,

Level land, level mesa.

Soil, 4th rate Produces good grass
No timber.

East, on true line bet. sec. 5, and 32.

N. 12° E.

Over level land, good grass,

40.00 drove a charred stake 12 ins. in the
ground for $\frac{1}{4}$ sec. Cor.; dug pits
18x18x14 ins. E. and W. ^{of stake} $5\frac{1}{2}$ ft. dist
and raised a mound of earth $1\frac{1}{2}$
ft. high $3\frac{1}{2}$ ft. base over it. In
E. pit drove a stake 2 ft. long 2 ins.
square 12 ins. in the ground,

Exterior T. 18 S. R. 23 E.

80.00

Marked $\frac{1}{4}$ S. on N. face.

drove a charred stake 12 ins. in the ground for cor. to sec. 4, 5, 32 and 33; dug pits $18 \times 18 \times 1\frac{1}{2}$ ins. in each sec. $5\frac{1}{2}$ ft. dist and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground
Marked.

T. 17 S. S. 33 on N. E.

R. 23 E S. 4 on S. E.

T. 18 S. S. 5 on N. and

S. 32 on N. W. faces with 2 notches on N. and 4 notches on E. edges

Soil and, little rolling
Soil 3d rate.

No timber, good grass

Exterior T. 18 S. R. 22 E.

East on a true line bet. secs. 4 and 33.
Var 12° E.

Sound, level Mesa, with good grass

40.00 Set a chomd stake 12 ins. in the
ground for $\frac{1}{4}$ sec. Cor; dug pits
E. and W. $5\frac{1}{2}$ ft. dist. and raised
a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base over it. In E. pit
drove a stake 12 ins. in the
ground 2 ft. long 2 ins. square
Marked $\frac{1}{4}$ S. on N. face.

80.00 Rove a chomd stake 12 ins. in the
ground for. Cor. to secs. 3, 4, 33 and
34; dug pits $18 \times 18 \times 12$ ins. in
each sec. $5\frac{1}{2}$ ft. dist. and raised
a mound of earth 2 ft. high $4\frac{1}{2}$ ft.
base over it. In S. E. pit drove

Exterioro F. 18 S. R. 22 E.

S. 34 on N.W. faces with 2 notches on
E. and 4 notches on N. Edges,

Land level.

Soil 4th rate.

No timber. Good grass.

East, on a true line bet. sec. 2 and 35
Va. $12^{\circ} 20' E$.

Ascending a gradual slope, grassy.

35.90 Old road bet. S.W. and N.E.

40.00 Near a charred stake 12 ins. in
the ground. for $\frac{1}{4}$ sec. cor; Aug
pits $18 \times 18 \times 12$ ins. E. and W. ^{of Stake} $5\frac{1}{2}$ ft.
dist. and raised, a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over
it. In S. pit drove a stake 2 ft.
long 2 ins. square 12 ins. in the

Exterior T. 18 S. R. 22 E.

- ground. Marked $\frac{1}{4}$ S. on N. face
 58.00 Road to St. David's Pres. S. M. and N. W.
 63.00 Ravine, course S. W.
 80.00 drove a charred stake 12 ins. in the
 ground for conts sect 1, 2, 35 and
 36; dug pits 18x18x12 ins. in each
 sec. 5 $\frac{1}{2}$ ft. dist. and raised a
 mound of earth 2 ft. high 4 $\frac{1}{2}$
 ft. base over it, In S. E. pit
 drove a stake 2 ft. long 2 ins.
 square 12 ins. in the ground
 Marked. —

T. 17 S. S. 36 on N. E.

R. 22 E. S. 1 on S. E.

T. 18 S. S. 2 on S. W. and

S. 35 on N. W. faced. with 1 notch

on E, and 5 notches on W. edges

Extremes T. 18 S. R. 22 E.

Open, rolling, open Mesa.
Soil 4th rate.

No timber, good grass.

East, on a true line bet. sec. 1 and 36.
Var. $12^{\circ} 20' E.$

Ascend a gentle slope

38.50 Ravine, ^{2400 yds} Course N.W. corner as last run

40.00 Set a post 3 ft. long 3 ins. square
with a charred stake 12 ins. in
the ground for $\frac{1}{4}$ sec. cor. Marked
 $\frac{1}{4}$ S. on N. face, raised a mound
of stone around post.

63.50 Old road bet. S.W. and N.E.

65.00 House of Kansas Cattle Co. bet
S. 11. 32 chs. dist. (known as Horse Ranch)

67.80 Road from Touristone to Klugon bet. N. & S. E.

Exteriors T. 18 S., R. 22 E.

80.00 The cor. to Tps. 17 and 18 S., R. 22 and 23
E.

Loam, rolling mesa sloping W.
Soil 4th rate

No timber. Fair grass.

Dec. 3. 1886

At this place I find latitude to be $31^{\circ} 56' 53''$ N.
The lines of this township are all
over high mesa lands.

Tps 17 & 18 S., R. 22 E should be subdivided and their
surface composed of high mesa lands.
For General Description see
subdivision Notes, Book No. 11.

East Body

Exterior T. 17 S. R. 21 E.

G. & S. R. B. & M.

Survey commenced here, 3, 1886,
 To survey the Northern and
 eastern Exterior of T. 17 S. R. 21 E.
 I continue with the same
 assistants and instrument
 in all respects as used in
 the preceding township in
 this book of field notes.

I begin at the Cor. to Tps. 17 and 18
 S. Rs. 21 and 22 E. which is a
 post in mound of earth with
 pits properly established.
 Thence I run,
 North. bet. sees. 31 and 36
 1/2, 12° E.
 Over rolling high Mesa.

Exterior F. 17 S. R. 21 E.

10.60	Ravine, ^{29 links wide} Course S. W.
23.50	Ravine, ^{31 links wide} Course S. W.
28.40	Ravine, ^{19 links wide} Course S. W.
37.50	Ravine, ^{32 links wide} Course S. W.
40.00	<p> Drove a charred stake 12 ins. in the ground for 1/4 sec. Cor. dug pits 18x18x12 ins. N. and S., ^{90 ft. or} 5 1/2 ft. dia. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square, 12 ins. in the ground. Marked 1/4 S. on N. face. </p>
43.40	Ravine, ^{30 links wide} Course S. W.
51.30	Ravine, ^{47 links wide} Course S. W.
74.90	Ravine, ^{71 links wide} Course S. W.
76.00	Ravine, ^{35 links wide} Course S. W.
79.35	Sand. Wash. 35 lbs. wide Course S. W.

Exterior T. 17 S. R. 21 E.

80.00

Drove a charred stake 12 ins. in the ground for Cor. to sec. 20, 30, 31 and 36. dug pits 18x18x12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S. E. pit drove a stake 3 ft. long 2 ins. square 12 ins. in the ground
Marked.

T. 17 S. S. 30 on N.E.

R. 22 E. S. 31 on S.E.

R. 21 E. S. 36 on S.W. and

S. 35 on N.W. faces with 1 notch on S. and 5 notches on N. Edges.

Land rolling and broken.

Soil 4th rate.No timber, brushy, good grass.

Exterior, F. 17 S. R. 21 E.

- 40.00 Above a charred stake 12 ins. in the ground for $\frac{1}{4}$ sec. Cor. dug pits 18x18x12 ins. N. and S. ^{of each} $5\frac{1}{2}$ ft. dist.; raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over it. In N. pit drove a stake 3 ft. long 3 ins. square 12 ins. in the ground. Marked $\frac{1}{4}$ S. in N. face.
- 41.30 Old wood road. hrs. E. and N.
- 58.10 Sand Wash, 20 hrs. wide hrs. S. W.
- 67.00 Ravine, ^{9 links wide} course S. W.
- 80.00 Set a limestone 14x8x7 ins. ^{9 in} in the ground for Cor. to sec. 13, 18, 19 and 24. Marked with 3 notches on N. and S. edges and raised a mound of stone covered with earth alongside. with pits ^{in each section} $5\frac{1}{2}$ ft. dist.
 iron corner

Sections. T. 17 S., R. 21 E.

Sand, high rolling mesa.
Soil 4th rate.

No timber, good grass.

Dec. 3 1886.

North, bet. sect. 13 and 18,

T. 12° E.

Over rolling broken land some brush

4.50 Prairie, ^{quite wide} course S. W.

17.95 Old Wood road course S. W. and N. E.

27.30 Sand wash, 40 lbs. wide. course S. W.

30.00 Old road course S. W. and N. E.

40.00 Above a charred stake 12 ins. in the
ground for 1/4 sec. cor. dug pits 18x
18x12 ins. N. and S. ^{of corner} 5 1/2 ft. dist. raised
a mound of earth 1 1/2 ft. high 3 1/2 ft. base
over it. In N. pit drove a stake
2 ft. long 2 ins. square 12 ins. in the

Exterior F. 17 S. R. 21 E.

- 49.50 ground marked $\frac{1}{4}$ S. on N. face.
 Old Sand wash 50 Mts. wide from Kragoon's
 course S. W.
- 57.10 Old Government road from Kragoon
 to Saint David along ravine,
 course S. W. and N. E.
- 73.40 Southern Pacific Railroad with telegraph
 lines on each side hrs. $N 82^{\circ} 12' E$ and
~~the same S. W.~~
- 80.00 Weave a charred stake 12 ins. in the ground
 for cor. to sec. 7, 12, 13 and 18. Dig
 pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$
 ft. dist. and raised a mound of
 earth 2 ft. high $4\frac{1}{2}$ ft. base over it.
 In S. E. pit drove a stake 2 ft.
 long 2 ins. square 12 ins. in the
 ground, marked.

55
54
Extior T. 17 S., R. 21, E.

T. 17 S. S. 7 on N.E.

R. 22, E. S. 18 on S.E.

R. 21 E. S. 13 on S.W. and

S. 12 on N.W. faces with 4 notches
on S. and 2 notches on N. edges)

Ground rolling and broken.

Salt, 4th rate. good grass.

No timber. Some brush.

North, per. sec. 7 and 12,

Va. 12° E.

Over rolling land through low brush.

1.30 Old road course S.W. and N.E.

40.00 Here a chared stake 12 ins. in the
ground for 1/4 sec. on dug pit
18x18x12 ins. N and S, 5 1/2 ft. dist; ^{79 paces}
ruised a mound of earth 1 1/2 ft.

Extensives F 17 S. R. 21 and 22 E.

high $3\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground.

Marked 14 S. on N. face.

6550 Run ^{6 lines under} Course S. W.

8000 Drove a charred stake 12 ins. in the ground for cor. to sec. 1, 6, 7 and 12, dug pits 18x18x12 ins. in each sec. $5\frac{1}{2}$ ft. dist. and raised a mound of earth 2 ft. high $4\frac{1}{2}$ ft. base over it. In S. E. pit drove a stake 3 ft. long 2 ins. square 12 ins. in the ground. Marked, _____

F. 17 S. S. 6 on N. E.

R. 22 E. S. 7 on S. E.

R. 21 E. S. 12 on S. W. and

Extensive F, 178, R, 21 E

S. 1 on N.W. faced with 5 notches
on S. and 1 notch on N. edges.
Clay, high rolling mesa.
Soil, 4th rate.
No timber, good grass.

North, bet. sect. 1. and 6.
Va. 1150' E.

13.00 Over rolling mesa with good grass.
Road from Mrazow to Benson bro. E
and W.

15.50 Very wash 20 lbs. wide, course S, W

40.00 Narrow as charred stake 1 1/2 ins. in
the ground. for. 1/4 sec. cr. clay
pits 18x18x12 ins. N. and S. ^{of corner} 5 1/2 ft.
clit, raised as mound of earth
1 1/2 ft. high. 3 1/2 ft. face over it. In

Exterior, T. 17 S. R. 21 E.

N. pit drove at stake 2 ft. long
2 ins. square 12 ins. in the ground
Marked $\frac{1}{4}$ S. on W. face.

8000 Above a charred stake. 12 ins. in
the ground for Cuts Nos. 16 and 17 S.
R. 21 and 22 E. dug pits 24 x 18 x 12
ins. lengthwise on each line N,
S, E, and W. Off. dist. and raised
a mound of earth $2\frac{1}{2}$ ft. high 5 ft.
base over it. In S. pit drove
a stake 2 ft. long 2 ins. square
12 ins. in the ground Marked.

T. 16 S. S. 31 on N. E.

R. 22 E. S. 6 on S. E.

T. 17 S. S. 1 on S. W. and

R. 21 E. S. 36 on N. W. faces with 6
notches on N. S. E. and W. edges

Extensions T. 17 S. R. 21, E.

From which high point of Rincon Mountains³⁴
 pres. N. $68\frac{1}{2}^{\circ}$ W.

A high point of Anachuca
 Mountains, pres. S. $11^{\circ}50'$ W. and
 a high point of McGrow Mountains
 pres. S. $73^{\circ}50'$ E.

Land, open rolling mesa.

Sail, 4th rate.

No timber, good grass.

I find the latitude to be, $32^{\circ}02'05''$ N.

From the cor. to Tps. 16 and 17 S. R. 3.
 21 and 22 E. I run Westward line
 line between said townships, setting
 half mile and Mill corners, at
 each 40 and 80 chs.

Variation of my instrument - being

Exterior. N. B. by, T 17 S R 21 E

12° E.

I find the township line to be 6 miles and 57 lks. long, and the falling to be 3 cks. South of the cor. to Tps. 16 and 17 S. Rs. 20 and 21 E.

The correction of the true ^{line} will therefore be 50 lks. North per mile and its course to be S. 89° 39' E.

From the cor to Tps. 16 and 17 S. Rs. 20 and 21 E. which is a post in mound of earth ^{properly established} with pits. From which a Mesquite tree S. 82° E. 91 lks. dist.
 A mesquite tree N. 37° W. 64 lks. dist.
 A mesquite tree S. 84° W. 88 lks. dist.
 A mesquite tree S. 41° W. 236 lks. dist.
 Thence I run

Exterior N. Bdry of 17 SR 31 E.

S. $89^{\circ}39'$ E. on a true line bet. sec. 6 and 31.
Va. 12° E.

Ascending from valley of San Pedro

40.57

Set a granite stone $20 \times 10 \times 6$ ins. ^{15 ins} ~~3/4~~
in the ground for $1/4$ sec. Cor.

Marked $1/4$ m N face; raised a mound of stone alongside.

41.07

Very wash ^{150 ft wide} course S. N.

50.00

Old road, across S. toward N. E.

Ascend steep hill onto ridge.

80.57

Set a granite stone $15 \times 7 \times 6$ ins.
out top of narrow flat top ridge ^{10 ft} ~~3~~
in the ground for Cor. to sec.
5, 6, 31 and 32. Marked with 1 notch
on N. and 5 notches on E. edge;
raised a mound of stone
alongside 2 ft. high $4\frac{1}{2}$ ft. base

N. Bdy.

Esterion F178 R. 21 E.

- 15.20 Sand wash, ^{10 ft. wide} crossed before, hrs. S.W.
- 21.30 Ascend about 30 ft. on mesa.
- 40.00 Set a granite stone 16x6x6 ins. ^{11 in.} in the ground, Marked $\frac{1}{4}$ on N. face; for $\frac{1}{4}$ sec. cor.; raised a mound of stones alongside.
- 60.80 Ravine, ^{10 ft. wide} course S.W.
- 62.00 Ravine, ^{17 ft. wide} course S.W.
- 71.90 Ravine, ^{5 ft. wide} course S.W.
- 80.00 Set a granite stone 16x6x6 ins. ^{11 in.} in the ground for cor. to sec. 3, 4, 33, and 34. Marked with 3 notches on E. and N. edges and raised a mound of stones alongside. Sand rough and broken. Soil poor. No timber. Some grass.

Exterior T. 17 S. R. 21 E.

S $89^{\circ}39'$ E on true line bet. sec. 3 and 34
Var. 12° E.

Over rolling mesa. some brush

16.30 Ravine, ^{28th} ~~28th~~ ^{width} ~~width~~ Course S. W.

17.90 Old road, from S. W. and N. E.

28.70 Ravine, ^{6th} ~~6th~~ ^{width} ~~width~~ Course S. W.

40.00 Here a charred stake 12 ins. in
the ground. for $\frac{1}{4}$ sec. Cor. dug pit
 $18 \times 18 \times 12$ ins. E. and W. ^{of corner} $5\frac{1}{2}$ ft. dist.
raised a mound of earth $1\frac{1}{2}$ ft. high
 $3\frac{1}{2}$ ft. base over it. In E. pit
drove a stake 2 ft. long 2 ins.
square 12 ins. in the ground
Marked $\frac{1}{4}$ S. on N. face.

80.00 Here a charred stake 12 ins. in
the ground for Cor. to sec. 2, 3,
34, and 35. dug pits $18 \times 18 \times 12$ ins.

Exterior F. 17 S. R 21 E.

in each sec. $5\frac{1}{2}$ ft. dist. and
 raised a mound of earth 2 ft.
 high $4\frac{1}{2}$ ft. base over it. Ind. E.
 pit-drove a stake 12 ft. long 2 ins.
 square, 12 ins. in the ground
 marked.

F. 16 S. S. 35. on N. E.

R. 21 E. S. 2 on S. E.

F. 17 S. S. 3 on S. W.

and S. 34 on N. W. faces with 2
 notches on E. and 4 notches on W.
 edges.

Grand, rolling Mesa.

Sail, 4th rate.

No timber, good grass.

By the solar apparatus I find
 the latitude at this place to be $32^{\circ}-02'-N$.

T. 17 S. R. 21 E. Extensive

S. $89^{\circ} 39' E$, was true line bet. sec. 35 and 36.
Var. $12^{\circ} E$.

Over rolling Mesa, scattering brush,

40.00

Here a charred stake 12 ins. in the ground for $\frac{1}{4}$ sec. Cor. dug pits $18 \times 18 \times 12$ ins. E and W, ^{if corner} $5\frac{1}{2}$ ft. dist. raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. pass over it In E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked $\frac{1}{4}$ S. on N. face.

79.00

Road from Coles Ranch to Benson, course S. W. and N. E.

80.00

Here a charred stake 12 ins. in the ground for Cor. to sec. 1, 2, 35 and 36 dug pits $18 \times 18 \times 12$ ins. in each sec. $5\frac{1}{2}$ ft. dist. and raised a mound of

Exteriors T. 17 S. R. 21 E.

earth 2 ft. high 4 1/2 ft. base over it.
In S. E. pit drove a stake 3 ft.
long 2 ins. square 12 ins. into the
ground Marked.

T. 16 S. S. 36 on N. E.

R. 21 E. S. 1 on S. E.

T. 17 S. S. 2 on S. W. face and
S. 35 on N. W. faces with 1 notch
on E. and 5 notches on W. edges.
Sound, rolling high mesa.
Soil, 4th rate.

No timber, good grass, some brush.

Dec. 4, 1886.

S. 89° 39' N. true line between 11 and 36
Var. 12° E.

Over rolling land.

40.00 Drove a charred stake 12 ins. into the

Exterior, T. 17 S. R. 21 E.

ground for $\frac{1}{4}$ sec. cor. dug pits
 $18 \times 18 \times 12$ ins. Sand ^{at corner} W. $5\frac{1}{2}$ ft. dist. ^{to}
 raised a mound of earth $1\frac{1}{2}$ ft.
 high $3\frac{1}{2}$ ft. base over it. In E.
 pit drove a stake 2 ft. long 2 ins.
 square 12 ins. in the ground
 Marked $\frac{1}{4}$ S. on N. face.

55.20

Very sand Wash ^{with} ~~W.~~

80.00

The Cor. to Tps. 16 and 17 S. R. 21.
 and 22 E.

Sand, high rolling mesa.

Soil, poor. ^{except} ~~only~~ for grass.

No timber. Good grass.

The exterior lines of the North and East
 sides of this township are, all, over high
 Mesa lands and surface of T. 17 S. R. 21 E.

in this case, I should be subdivided into

North and East Extirions T. 17 S. R. 22 E.
 East Body

To survey the Northern and Eastern Extirions of T. 17 S. R. 22 E. I continue with the same Assistants and Instrument as was used in the preceding townships as is given in this book of field notes.

Survey commenced, Dec. 6 1886.

I begin at the Cor. to T. 17 and 18 S., R. 22 and 23 E., which is a post. in mound of earth with bearing trees, properly established.

Then I run,

North, bet. secs. 31 and 36.

Exterior F 17 S. R. 22 E.

Va. 12° 20' E.

Over rolling land.

3.00 Ravine, ^{5 1/2} width Course N. W.

9.20 Ravine, ¹⁵ width Course N. W.

24.75 Ravine, ⁷ width Course N.

28.80 Road from Faustone to Keyson bro.
N. E. and S. W.

40.00 Set a post 3 ft. long 3 ins. square
with a charred stake 12 ins. in
the ground. Marked 1/4 S. on N.
face for 1/4 sec. Cor. dug pit
18 x 18 x 12 ins. N. and S. ^{of corner} 5 1/2 ft. dist.;
raised a mound of earth 1 1/2 ft.
high 3 1/2 ft. base around post.
An oak 20 ins. diam. bro. S. 4° W.
124 lks. dist. Marked 1/4 S. B.T.
An oak 10 ins. diam. bro. S. 70 3/4 W.

E. Belry T. 17 S. R. 22 E.

114 lks. Marked 1/4 S. B. T.

5420 Ravine, ^{170 lks. wide} Course N. W.70.40 Large ravine, ^{100 lks. wide} Course N.79.90 Road, ^{cross} Course N. W.

80.00 Above a charred stake 12 ins. in the ground for. Cor. to sec. 25, 30, 31 and 36. dug pits 18X18X12 ins. in each sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base over it. In S. E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground. Marked—
 T. 17 S. S. 30, on N. E.
 R. 22 E. S. 31, on S. E.
 R. 22 E. S. 36, on S. W. and
 S. 25 on N. W. face with 1 notch

E. Betty F. 17 S. R. 22 E.

ow S. and 5 notches on N. Edges.
 Loamy, rolling.
 Soil, poor.
 Timber, oaks, scattered over S.
 half of sec. Fair grass.

North. bet. secs. 25 and 30.
 Var. 12° E.

Over level ground.

40.00

Here a charred stake 12 ins. in
 the ground for 1/4 sec. Cor. dug
 pits 18x18x12 ins. N. and S. ^{7/8 sec} 5 1/2
 ft. dist. raised a mound of
 earth 1 1/2 ft. high 3 1/2 ft. base
 over it. In N. pit drove a
 stake 2 ft. long 2 ins. square
 12 ins. in the ground marked.

E. Bidley T. 17 S. R. 23 E.

1/4 S. on N. face.

4250 Cross Krayon and Tombstone
road bet. N.W. and S.E.8000 Above a charred stake 12 ins. in
the ground for Cor. to sec. 19, 24, 25,
and 30. dug pits 18x18x12 ins. in
each sec. 5 1/2 ft. dist. and raised
a mound of earth 2 ft. high 4 1/2
ft. base over it. in S.E. pit
drove a stake 2 ft. long, 2 ins.
square 12 ins. in the ground
marked

T. 17 S. S. 19. on N.E.

R. 23 E. S. 30 on S.E.

R. 23 E. S. 25 on S.W. and

S. 24 on N.W. faces. with 2
notches on S. and 4 notches on

E. Bdry T. 17 S. R. 22 E.

North bet. sec. 13 and 18.

Var. 12° E.

Over rolling ground, ascending

35.00 Top of spur from Kragoon Mountains
400 ft. high. ~~Course~~ ^{bran E and W.}

40.00 Set a granite stone, 16x7x5 ins. ^{11 ins} ~~3~~
in the ground for 1/4 sec. Cor.

Marked 4 on N. face, raised a
mound of stone alongside

44.00 Bottom of hill.

62.00 Road from Kragoon to Foustine
^{brans} ~~Course~~, S.W. and N.E.

67.00 Enter ravine, ^{60 ft. wide} ~~Course~~ W.

71.00 Leave ^{same} ravine.

72.00 Wm Funn, house for W. 41 1/2. dist.
^{Point} ~~Point~~ and ^{Dragon} ~~Dragon~~ road bet. W. and S.E.

75.00
80.00 Set a granite stone, 17x8x6 ins.

^{11 ins} ~~3~~ in the ground for Cor. to sec.

E. Biley T. 17 S. R. 22 E.

7, 12, 13 and 18. Marked with 2
notches on N. and 4 notches on
S. Edges. Raised a mound of stone
alongside.

Sand, rolling, and hilly.

Soil, 3rd rate.

No timber. Some grass.

North. bet. secs. 7 and 12.

Var. 13° E.

Along West-foot of Klugson Mountains

30 Ravine, ^{10 ft. wide} course N. 1/4,

33, 60 Ravine, ^{32 ft. wide} course, N.

34, 50 Ravine, ^{4 ft. wide} course, N.

40, 00 Set a granite stone 16 x 9 x 6 in. ~~1/4~~

^{11 in.} in the ground, for 1/4 sec. Cor.

Marked 1/4 on N. face; raised

E. R. Dry F. 17 S. R. 22 E.

- a mound of stone alongside
 47.90 Ravine, ^{47th mile} Course N.
 55.50 Ravine, ^{7th mile} Course N. W.
 68.91 Ravine, ^{19th mile} Course N. W.
 80.00 Set a stone 15 x 8 x 7 ins. ¹⁰ ~~1/2~~ in
 the ground for Cor. to sec. 1, 6,
 7 and 12. Marked with 5 notches
 on S. and 1 notch on N. edges.
 and raised a mound of stone
 alongside 2 ft. high 4 1/2 ft. base
 Ground, rough and broken.
 Soil, very rocky and poor.
 No timber, good grass.

North, bet. sec. 1, 6, 12.
 Var 12th E.

Wescend slope. along Dragon mts

E. Bedry F. 17 S. R. 22 E.

- 7.90 Ravine, ^{10 lbs wide} Course W.
- 16.49 Ravine, ^{44 lbs wide} Course W.
- 36.38 Ravine, ^{17 lbs wide} Course W.
- 40.00 Set a granite stone 16x7x6 ins. ^{11 ins} in the ground for $\frac{1}{4}$ sec. cor.
Marked $\frac{1}{4}$ on N. face. raised a mound of stone alongside.
- 56.85 Ravine, ^{36 lbs wide} Course W.
- 78.60 Ravine 20 lbs wide Course W.
- 79.50 ^{Dragon and Tomatoes Road Tr. N. 8, and S. 8}
- 80.00 Set a granite stone 2,4x11x11 ins.
18 ins ~~3/4~~ in the ground for cor. with Tps. 16 and 17 S. R. 22 and 23 E. Marked with 6 notches on N. S. E and W. Edges and raised a mound of stone 4 ft. high 6 ft. base alongside, from which a Juniper 2 ft. diam. bore S. 39° W.

N. Bdry T. 17 S. R. 22 E.

Mound of earth, with pits
and stake properly established
I run,

East, on a true line bet. sec. 6 and 31.

Var. 12° E.

Over rolling Mesa land.

36.12 Drive a charred stake 12 ins. in
the ground for $\frac{1}{4}$ sec. Cor. dug pits
18x18x12 ins. E. and W. ^{of corner} $5\frac{1}{2}$ ft. dist,
ruised as mound of earth $1\frac{1}{2}$
ft. high $3\frac{1}{2}$ ft. base over it. In
E. pit drive a stake 2 ft. long 2
ins. square, 12 ins. in the
ground. Marked $\frac{1}{4}$ S. on N. face.

46.10 Run ^{17-26 in wide} Course S. W.

73.12 Run ^{43-61 in wide} Course S. W.

76.12 Set a granite stone 14x17x6 ins. ^{9 ins}

N. Bidway T. 17 S. R. 23 E.

in the ground for Cor. to sees, 5, 6, 31 and 32. Marked with 1 notch on N. and 5 notches on E. Edges. Raised a mound of stone alongside.

Soil, rolling.

Soil, 3rd rate.

No timber good grass

East, on a true line bet. sees 5 and 32, Var. 12° E.

Over rolling land.

11.00 Top of low ridge bet. N. and S.

16.00 Ravine, ^{25 links wide} Course S.

25.00 Ravine, ^{32 links wide} Course S.

40.00 Set a stone 14x6x6 ins. ^{quartz} in

the ground for 1/4 sec. Cor.

N. Bily F. 17 S. R. 22 E.

Marked H on N. face; raised
a mound of stone alongside.

63.15 Ravine, ²⁴ Course S.

80.00 Set a granite stone 16x6x6 in.
^{10 in} in the ground for Cor. to sec. 4,
4, 5, 32, and 33. Marked with
2 notches on N. and 4 notches
E. edges, and raised a
mound of stone alongside.
Sand, rolling.
Soil, 4th rate.
No timber. Good grass.

East, on a true line bet. sec. 4 and 33.

Var. 12° E.

Over rolling land.

15.50 Ravine, ⁶⁰ Course S.

N. Bely J. 17 S. R. 22 E.

- 27.15 Ravine, ^{42 links with} Course S.
- 34.00 Ravine, ^{17 links with} Course S.
- 40.00 Drove a charred stake 12 ins. in the ground for $\frac{1}{4}$ sec. cor. dug pits 18x18x12 ins. E. and ^{off corner} W. $5\frac{1}{2}$ ft. dist; raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over it. In E. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground. Marked, $\frac{1}{4}$ S. on W. face
- 62.46 Ravine, ^{33 links with} ~~Course~~, Course S.
- 80.00 Set a granite stone 14x11x6 ins. ^{9 ins.} $\frac{2}{3}$ in the ground for. Cor. to sec. 3, 4, 33, and 34. Marked with 3 notches on E. and W. edges. Raised a mound of stone

N. Bivig T. 17 S. R. 22 E.

alongside.

Land, rolling mesa.

Soil, 4th rate.

No timber, good grass.

East, on a true line bet. sec. 3 and 34,
T. 12° E.

Over rolling land,

10.00 Ravine, ^{16 cuts wide} Course S.

20.50 Ravine, ^{45 cuts wide} Course S. W.

40.00 On N. Margin of Magoon wash
Marked a mesquite tree 6 ins.
diam. 1/4 S. on N. face and
raised a mound of stone
2 ft high 4 ft base around tree.

40.50 Ravine, 20 ft wide Course S. W.

50.00 Ravine, ^{32 cuts wide} Course S. W.

N. B'dry F. 17 S, R, 22 E.

- 52.40 Telegraph line bet N.E. and S.W.
- 52.95 Southern Pacific Railroad bet N.E. & S.W.
- 53.60 Telegraph line bet N.E. and S.W.
Course N.E. and S.W.
- 53.96 Wagon road from Oregon to Benson
Course N.E. and S.W.
- 80.00 Set a granite stone 19x6x5 ins.
12 ins ~~in~~ in the ground for Cor. to sec
2, 3, 34, and 35. Marked with 2.
Notches on E. and 4 notches on
W. edges. dug pits 18x18x12
ins. in each sec. 5 1/2 ft. dist.
and raised a mound of
earth 2 ft. high 4 1/2 ft. base
alongside.
Land, rolling.
Soil, 4th rate.
No timber, good grass.

N. B'dry F. 17 S. R. 22, E.

East, on a true line bet. seeds. 2 and 35
 Val. $12^{\circ} 8'$.

Over rolling mesa. ascending slope

4,00 Ravine, ^{22 links wide} Course N.

40,00 Set a granite stone $16 \times 7 \times 5$ ins.

^{11 ins} $\frac{3}{4}$ in the ground for $\frac{1}{4}$ sec. Cor.

Marked $\frac{1}{4}$ on N. face, raised
 a mound of stone alongside.

73,00 Ravine, ^{30 links wide} Course N.W.

80,00 Set a granite stone $18 \times 12 \times 8$ ins.

^{12 ins} $\frac{3}{4}$ in the ground for Cor. to sec.

1, 2, 35, and 36. Marked with
 1 notch on E. and 5 notches
 on W. edges. Raised a mound
 of stone alongside.

By observation with the solar
 apparatus I find the latitude at the
 cor. to be $32^{\circ} 02' 06''$ N.

N. B'dy T. 17 S. R. 22 E.

1 1/2 ft. high 3 1/2 ft. base dayside.
 8006 The Cor to Tps. 16 and 17 S, R. 22
 and 23 E.

Grand, rolling mesa.
 Soil, rocky and worthless.
 A few scattering oaks along
 ravines. Good grass.

Dec. 7, 1886.

All the lines of this township
 run over high mesa lands.
 The eastern boundary is along
 the foot of the Wragoon Mountains.
~~Part thereof is subdivided~~

* For General Description
 see Subdivision Field Notes.

* Book No. 12.

E. Bdry T. 16 S. R. 21 E.

To survey the E. boundary of Tps. 16 S. R. 21 E. I continue with the same instrument and assistants as was used in the preceding townships and ~~is~~^{as} given in this book of field notes.

Survey commenced. Dec. 8, 1886

I begin at the cor. to Tps. 16 and 17 S. Rs. 21 and 22 E. which a mound of earth, with pits and stake property established. Thence I run, North, bet. secs. 31 and 36. Va. 12° E.

E. Bidry T. 16 S. R. 21 E.

Over rolling mesa.

38.00 Ravine, 100 Ws. with, course S W.

40.00 Lava stone $18 \times 8 \times 4$ ins. ¹²~~14~~ in
the ground for $\frac{1}{4}$ sec. Cor. Marked,
 $\frac{1}{4}$ m N. face; raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base along side. Dug pits
 $18 \times 18 \times 12$ ins. N. and ^{of corner} S $5\frac{1}{2}$ ft.
distant.

58.08 Road from Cole's ranch to Benson,
course S W. and N. E.

80.00 Lava granite stone $16 \times 6 \times 6$ ins. ¹⁰~~12~~
in the ground. for Cor. to secs.
25, 30, 31, and 36. Marked with
1 notch on S. and 5 notches on
N. edges; dug pits $18 \times 18 \times 12$ ins.
in each sec. $5\frac{1}{2}$ ft. dist. and

E. B'dry T. 16 S. R. 21 E.

raised a mound of earth 2 ft.
high 4 1/2 ft. base alongside
Liquor, ralling.
Soil, 4th rate,
No timber, Good grass.

North, bet. sec. 25 and 30.

Pa. 12° E.

Cour ralling Mesa.

18.00 Ravine, ^{70 lines wide} Course S.W.

40.00 Set a granite stone 18x6x5 ins. ~~1/2~~

12 ins in the ground for 1/4 sec. Cor

Marked 1/4 on N. face. dug
pile 18x18x12 ins. N. and S. ^{70 lines} 5 1/2 ft.
dist; raised a mound of earth.
1 1/2 ft. high 3 1/2 base alongside.

57.00 Ravine, ^{70 lines wide} Course S.W.

E. Boby Feb. 16 S. R. 21 E.

- 74.50 Rains, ^{37 link wide} Course N.
- 80.00 Six granite stone 20x6x6 ins. ^{15 link} in the ground for Cor. & sec. 19, 24, 25 and 30. Marked with 2 notches on S. and 4 notches on N. edges, and raised a mound of stone alongside.
- Land, rolling mesa.
Soil, worthless.
No timber. Good grass.

North, bet. sec. 19 and 24.

Var. 12 1/4 E.

Over rolling land, very rocky.

6.50 Road from Wagon to Gregory's ranch ^{trace} Course N.W. and S.E.

37.00 Top of round rocky knott 170 ft high.

E. B. B. S. R. 21 E.

40,00 On N. face of knoll set a limestone
 $20 \times 8 \times 6$ ins. ^{15 cubes} ~~3/4~~ in the ground for
 $1/4$ sec. Cor. Marked $7/4$ on N. face;
 raised a mound of stone alongside.
 Over low rolling hills.

80,00 Set a limestone $24 \times 12 \times 3$ ins. ^{15 cubes} ~~3/4~~
 in the ground for cor. 5 sec.
 13, 18, 19, and 24. Marked with
 3 notches on S. and N. edges.
 and raised a mound of stone
 alongside.

Ground, rolling and some hills.
 Soil, rocky and worthless
 No timber, good grass.

North, lit. sec. 13 and 18.

Var. $12 \frac{1}{4}$ E.

E. Bibby T. 15 S. R. 21 E.

- Ascending over rough hills.
- 26.50 ^{21 links wide} Round Course S. W.
- 34.70 Way Creek, 50 yds wide, in Canon, course S. W.
- 40.00 Set a stone 18x10x8 ins. ^{12 ins} ~~7/8~~ in the ground for 1/4 sec. Cor. Marked 1/4 on W. face; raised a mound of stones alongside
- 65.00 Top of Knoll 300 ft. high and descend
- 70.00 Bottom of hill.
- 80.00 Set a granite stone 24x12x4 ins. 18 ins. in the ground for Cor. to sec. 7, 12, 13, and 18. Marked with 4 notches on S. and 2 notches on N. edges. and raised a mound of stones alongside. Land, rough and hilly

E. Bidry F. 16 S. R. 21 E.

Soil, rocky. and poor.

No timber, Good grass.

By observation with the solar apparatus I find the latitude to be. $32^{\circ}-05'-33''$ N. at this point

North, bet. sec. 7 and 12,

Ta. $12\frac{1}{2}^{\circ}$ E.

Over rough hills. ascending

9.00 Top of ridge 400ft. high ^{trail} ~~course~~
E. and W. very rocky.

18.00 Foot of hill and ascend along
W. side of mountain

40.00 Set a granite stone $18 \times 10 \times 6$ ins. ^{12 ins.}
in the ground for $\frac{1}{4}$ sec. Co.
marked $\frac{1}{4}$ on N. face; raised
a mound of stone alongside.

80
E. Bidry T. 16 S. R. 21 E.

Ascending steep hills
80.00 Set a slate rock $42 \times 7 \times 3$ ins.
24 in. in the ground for cor. to
secs. 1, 6, 7, and 12. Marked
with 5 notches on S. and 1
notch on N. Edges. and
surrounded it with a mound
stone.

Land, rough and mountainous.
Soil, rocky and poor.
No timber, Fair grass.

North, bet. secs. 1 and 6.
Var. $12\frac{1}{2}^{\circ}$ E.

Ascending over high hills.
23.00 Top of ridge bet. E and W.
400 ft high.

1002
87

E. Bidry T, 16 S. R. 21 E.

- 40.00 Set a stone $28 \times 8 \times 4$ ins. ^{21 ins.} ~~34~~ in the ground for $\frac{1}{4}$ sec. Cor. Marked $\frac{1}{4}$ m. N. base; raised a mound of stone abnyside.
- 41.73 Bottom of Canon 400 ft. deep
Course, ~~Grand~~ N.
Ascend a steep Mountain.
- 79.20 Intersect the third standard parallel south, at a point 6.78 chs. N. of standard Cor. to Tps. 15 S. R. 21 and 22 E. at which point. I set a slate stone $38 \times 8 \times 2$ ins. ²⁹ ~~34~~ in the ground for closing Cor. ^{to} Tps. 16 S. R. 21 and 22 E. Marked C.C. with 6 notches on S. E. and N. edges

E. Bidy F. 16 S R 21, E.

and raised a mound of
stone alongside. pits
impracticable.

This Cor. is on the N. face near
the top of a Mountain 800 ft
high. of the ^{or little Dreyer} Limestone Range.
(Lo and, Mountainous).

Soil, rocky and worthless
No timber, some grass.

Hees 8, 1886.

The last 3 miles of this line
extends over rough hills and the surface

of the top is rolling mesa land.

Sh 16 S. R. 21 E should be subdivided but T 15 S R 21

and 22 E any range and mostly worthless. + should not be subdivided

* For General Description see
Satdwin's field notes.

* Book No. 14.

E. Bdry T. 16 S. R. 22, E.

To survey the E. boundary of T. 16 S. R. 22 E. I continue with the same assistants and instrument as was used in the exterior of the preceding township surveys as given in this book of field notes.

Survey commenced Dec. 9, 1886.

I begin at the cor. to T. 16 and 17 S. R. 22 and 23 E. which is a stone marked with 6 scratches on N. S. E. and W. edges, with a mound of stone alongside.
 A Juniper tree bore S. 39° W.

E. B'dry F. 16 S. R228

495 lbs. dist. Marked. F 17 S.
R228. S. 1 BT.

Iron,

North, bet. sec. 31 and 36

Var $12\frac{1}{4}^{\circ}$ E.

Over rolling Mesa land.

40.00 Set a granite stone $16 \times 9 \times 5$ ins.

$11\frac{1}{2}$ in ~~in~~ in the ground for $\frac{1}{4}$ sec.

Cor. Marked $\frac{1}{4}$ on N. face; raised
a mound of earth alongside
dug pits $18 \times 18 \times 12$ ins. N. and S.
 $5\frac{1}{2}$ ft. dist.

80.00 Set a granite stone $24 \times 9 \times 3$ ins.

$15\frac{1}{2}$ in ~~in~~ in the ground for Cor. to

sec. 25, 30, 31, and 36. Marked
with 1 notch on S. and 5 notches
on N. Edges and raised a

Exterior F16 S R 22 E.

Mound of stone alongside.

Loam, rolling mesa.

Soil, 3d rate

No timber, good grass.

North, bet. sec's, 25 and 30

Var. 12 1/4 E.

Over rolling mesa.

40.00 Set a granite stone 18 X 10 X 7 ins. ^{12 in} ~~12~~
 in the ground for 1/4 sec. cor.
 Marked 1/4 on N. face, and
 raised a mound of stone
 alongside, which is on S. side
 of a ravine course W. 20 k. miles.

80.00 set a granite stone 13, 9 X 7 ins. ^{8 in} ~~7~~
 in the ground for cor. to sec's,
 19, 24, 25 and 30. Marked with

E. Bidy, F. 1 to S. R. 228.

2 notches on S, and 4 notches
on N. edges; dug pits 18x
18x12 ins. in each sec. 5 1/2 ft.
dist; and raised a mound
of earth 2 ft. high 4 1/2 ft. base
alongside.

So and, rolling. Mesa.

Soil, 4th rate.

No timber, good grass.

North, bet. secs. 19 and 24
Va. 12 1/4 E.

Over rolling mesa.

1190

Telegraph line and wagon road
from Hrazoon to Benson, Ar. S. W. and N. E.

12,87

Southern Pacific Railroad trs. N. 45° E.
and S. 45° W.

E. Bidy F. H. S. R. 22 E.

- 14.00 Telegraph line along railroad.
- 25.00 Old road, course S. E. and N. W.
- 40.00 Drove a charred stake 2 ins. in the ground, for $\frac{1}{4}$ sec. cor. dug pits 18x18x12 ins. N and S ^{of corner} $5\frac{1}{2}$ ft. dist.; raised a mound of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base over it. In N. pit drove a stake 2 ft. long 2 ins. square 12 ins. in the ground marked $\frac{1}{4}$ S. on $\frac{1}{4}$ face. Kragoon Station brs. S. 86° E. about one half mile distant.
- 50.10 Road to Kragoon brs. E. and N.
- 63.07 Road to Kragoon station brs. S. E. and N. W.
- 70.00 Drove a charred stake 12 ins. in the ground for cor. to sec.

Q. B. Dry T. 16 S. R. 22 E.

13, 18, 19 and 24. Dug pits 18x
18x 12 ins. in each sec. 5 1/2 ft.
dist. and raised a mound of
earth 2 ft. high 4 1/2 ft. base over
it. In S. E. pit drove a stake
2 ft. long 2 ins. square 12 ins.
in the ground Marked.

T. 16 S. S. 18 m N.E.

R. 23 E. S. 19 m S.E.

R. 22 E. S. 24 m S.W. and

S. 13 m N.W. fences with 3 notches
on N and S. edges.

Ground, rolling.

Soil, 4th rate.

No timber, good grass.

By the solar apparatus I find the
latitude to be at this place 32° 04' 46" N.

E. B'dry 7, 16 S., R. 22 E.

North, bet. sec. 13 and 18.

Va $12\frac{1}{4}^{\circ}$ E

Over rolling mesa.

40.00 Drove a charred stake 12 ins.
in the ground for $\frac{1}{4}$ sec. cor.
Dug pits $18 \times 18 \times 12$ ins. N. and S.
of corner $5\frac{1}{2}$ ft. dist. and raised a mound
of earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft.
base over it. In N. pit
drove a stake 2 ft. long 2 ins.
square 12 ins. in the ground
Marked $\frac{1}{4}$ S. on N. face.

79.00 Road from Dragon to Russellville
Course N.W. and S.E.

80.00 Drove a charred stake 12 ins. in
the ground for cor. to sec. 7,
12, 13 and 18. dug pits $18 \times 18 \times 12$

E. Bidry T. 16 S. R. 22 E.

ins. in each sec, $5\frac{1}{2}$ ft. dist, and
 raised a mound of earth 2 ft.
 high $4\frac{1}{2}$ ft. base over it. In
 S. E. pit drove a stake 2 ft. long
 2 ins. square 12 ins. in the ground
 marked. —

T. 16 S. S. 7 on N. E.

R. 23 E. S. 18 on S. E.

R. 22 E. S. 13 on S. N. and

S. 12 on N. N. faces with 4 notches
 on S. and 2 notches on N. edges.

Good, rolling mesa.

No timber, good grass.

Soil, 3rd rate.

E. B'lay T. 16 S. R. 22 E.

North. bet. sec. 7 and 12.

Val. $12\frac{1}{4}$ ° E.

Over rolling mesu.

40,000 Above a charred stake 12 ins. in
the ground for $\frac{1}{4}$ sec. Cor. dug
pits 18X18X12 ins. N. and S ^{70 of cor. only} $5\frac{1}{2}$ ft.
dist. and raised a mound of
earth $1\frac{1}{2}$ ft. high $3\frac{1}{2}$ ft. base
over it. In N. pit drove a
stake 3 ft. long 2 ins. square
12 ins. in the ground. Marked,
 $\frac{1}{4}$ S. on N. face.

76,000 Road, Course S. N. and N. E.

80,000 Above a charred stake 12 ins. in
the ground for. Cor. to sec.
1, 6, 7 and 12. Dug pits 18X18
X12 ins. in each sec. $5\frac{1}{4}$ ft. dist.

E. Bidy T. 16 S. R. 22 E.

and raised a mound of earth
2 ft. high $4\frac{1}{2}$ ft. base over it. In
S. E. pit drove a stake 2 ft.
long 2 ins. square 12 ins. in the
ground marked.

F. 16 S. S. 6 on N. E.

R. 23. E. S. 7 on S. E.

R. 23 E. S. 12 on S. W. and

S. 1 on N. W. faces with 1 notch
on North and 5 notches on Sides
Go and, ralling.

Salt, 3 d site.

No timber, good grass.

North, bet. sees. 1 and 6.

Va. $12\frac{1}{4}$ E.

Over ralling land.

E. Bley Fr. 16 S. R. 23 E.

40.00 drove a charred stake 12 ins.
in the ground for $\frac{1}{4}$ sec. cor.
dug pits 18x18x12 ins. N and
S ^{5 1/2 ft.} dist. and raised a
mound of earth 1 1/2 ft. high
3 1/2 ft. base over it In N. pit
drove a stake 2 ft. long 2 ins.
square 12 ins. in the ground
Marked $\frac{1}{4}$ on N. face,

79.50 Intersect the third standard
Parallel South at a point 11.24 chs.
E. of standard ^{cor.} to Tps. 15 S. R. 23 and
23 E. at which point I set a granite
stone 19x12x7 ins. ^{13 ins.} ~~2 1/2~~ in the ground
for closing Cor. to Tps. 16 S. R. 22
and 23 E. Marked C.C. on N.
with 6 notches on S. E. and N.

E. Bdry T. 16 S. R. 22 E.

edges. raised a mound of
stone along side.

Sand, rolling.

Soil, worthless except for grass.

No timber. Good grass.

Dec. 9, 1886.

This line runs over high rolling
open Mesa lands, and a large part of
T. 16 S. R. 22 E. is rough hills but as there are several
ranches in it it should be substituted or
portions only of T. 16 S. R. 22 E. should be substituted.

* Book No. 13.

C. H. Wallace,

U. S. Dep. Surveyor.

Retacement

North Body T 16 S R 22 E

chains The E. boundary of T 16 S R 22 E closing as it does 11.24 chs E of the S.C. to T 15 S R 22 and 23 E. In mass on the Third Standard parallel south through Rs 22 and 21 E. as follows: -
 From the closing corner to T 16 S R's 22 and 23 E just established by me I run 13° E

Var. 13° E

11.24 Standard corner to T 15 S R's 22 & 23 E which is a white quartz rock 9 x 4 x 6 in, marked with 6 notches on the E. and 6 on the N. edge firmly set in mound of earth with pits.

57.00 A granite rock 9 x 5 x 3 in set in the ground and marked 1/4 for S.C. mound of stone alongside.

90.68 A post in monument of stone property
 marked with one bearing true for S.C.
 to sections 35 and 36
 Land slightly rolling.
 Soil rocky, some grass.
 No timber

Thence N. on south boundary of sec. 35-
 Var. $13^{\circ}E$.

39.76 S.C. $\frac{1}{4}$ sec. cor. which is a post marked
 $\frac{1}{4}$ S and properly set in mound of earth

79.82 In the town of Russellville where I find
 the old mound of earth and bearing
 true as described, in original notes.
 but the post is wanting.

I set a stone $20 \times 8 \times 7$ ins marked with 2
 notches on each of our wedges and
 the letter S.C., 15 ins in the ground

for S.C. to see 34 and 35 are exact points
occupied by the old post

A Hackberry tree 8 in diameter properly
measured from bearing tree is N. 34 1/2° W. 1.65 chains
land rolling.

Soil, 2nd rate

No timber

West along S boundary of see 34
Var - 120° E -

4.44 Fence of Asa Walker for U.S.

6.86 " " A. Jones " " " enters
cultivated ground.

16.40 Cross fence ^{then} for 480 and then cultivated
land of A. Jones

22.50 Ravine, course N.E. and ascend along
bed of ravine

23.50 Leave ravine and ascend along N. bank of same.

40.00 The S.C. $\frac{1}{4}$ sec. cor a post with monuments
of a town properly established.

The stump only of the bearing tree
remains.

54.00 Dry wash 50 lbs wide to N.E.
ascend gentle slope

79.71 S.C. to sec. - 33, 34 which is a post
in monument of a town properly
established.

From which the only sound bearing
tree was remaining bears N73°W
175 lbs which I remark and cut
away the wood so as to leave traces
of old marks.

The other bearing trees have been partially
destroyed but the marks still
remain but are very indistinct.

land covered with granite boulders -
 Soil 2nd rate -
 Scattered oak trees.

W. along S boundary of sec 23.
 Mar 130 E.

6.00 Ascend slope of steep mountain.

29.41 The S.E. $\frac{1}{4}$ sec. cor. a post in large
 monument of stone properly estab-
 lished and marked

An oak 8 in in diameter br 40° 42' E
 marked $\frac{1}{4}$ S.B. $\frac{1}{4}$

An oak 8 in in diameter marked $\frac{1}{4}$ S.B. $\frac{1}{4}$
 br 85 $\frac{1}{2}$ ° 45' E.

Continue to ascend very steep mountain

52.00 Top rugged ridge br S.W. and N.E.

Descend over precipices into a very
 rough cañon, course S.W.

70.03 S.C. to sec. 32 & 33 which is a post properly marked in a large mound of stone.

From which an oak 20 ins in diameter properly marked as bearing for the S.C. to sec. 32 & 33 bears $N 82^{\circ} E 337$ ft.

Note This bearing tree is reported wrong in the original notes and a discrepancy of 10 chains exists with the measurement on the S. boundary of Sec. 33 in the $\frac{1}{2}$ mile caused by the extremely rough ridge and cañon crossed by this tree. This error in the standard accounts for a portion of the casting found and noted at N.E. Cor. of T. 16 S. R. 22 E.

Very rough mountains.
Soil rocky & the rate.
Sawyer scrub oak.

Went along S. boundary of Sec. 32.

Variation $13\frac{1}{4}^{\circ}$ E.

Around steep rough mountain side.

36.30 S. $\frac{1}{4}$ sec. corner which is a post
marked $\frac{1}{4}$ S. S.E. firmly set in a
monument of stones.

An oak tree 12 in in diameter marks
 $\frac{1}{4}$ S. S.E. B.M. for $88\frac{1}{2}^{\circ}$ E. 316 links.

46.00 Top of high rocky ridge bears S.W.
and N.E. then descend.

72.00 S.C. to sec. 31 and 32 which is
a post properly marked and
firmly set in a monument of stones.
Sand Rough mountains.

Soil worthless and very rocky
Scrub oak trees.

Went along south boundary of sec.
21 -

Var $13\frac{1}{4}^{\circ}$ E.

ascend

29.97 Standard $\frac{1}{4}$ sec. corner which is
a post marked $\frac{1}{4}$ & firmly set in a
monument of stone.

An oak 6 in in diameter ^{marked $\frac{1}{4}$ 2139} bears 84° N
60 links.

An oak 8 in in diam marked $\frac{1}{4}$ E
B. 1. bears $44\frac{3}{4}^{\circ}$ W 20 links.

5-7.00 Top of mountain about 800 ft
high and follow along same.

75.50 Descend from mountain

77.43 Standard corner to Twp. 15 S R 8
W and 22 E. which is a post properly
marked and firmly set in monument

North Body T/65-21 E

of stones -
Land mountainous
Soil worthless -
No timber.

XXX

From Standard corner to Nps 15 S R 21
and 22 E. which is a post in mound of stone.
From West along the S. edge of Sec 36.
Variation 13° E

6.78 The closing corner to Nps 15 and S R 21
and 22 E which is a stone, in monument
of stone, marked with 6 notches on the
S. E. and W. edges and the letters C. C.
Continue to descend very steep slope

38.16 The S. 1/4 sec. corner a post marked
1/4 S. W. monument of stone.

60.00 Leave steep slope of mountain.

7751 S.C. to recce. 35 and 36, which is
a post marked $\uparrow 15 \text{ S } \text{S } 36 \text{ on } 4 \text{ E}$
R. 21 E. S. 35 on W. N. and
S.E. S.W. face with 5 notches on
the N and 1 on E edge.

From which

A mesquite 24 in. in diam. bare
 $\uparrow 78^\circ \text{ E}$ 4 links marked $\uparrow 15 \text{ S } \text{S } 36 \text{ S.E. B. 1}$

A mesquite 2 ft in diam. bare $\uparrow 61^\circ \text{ E}$ ^{50 links} marked
 $\uparrow 15 \text{ S } \text{S } 36 \text{ S.E. B. 1}$

A mesquite 6 in in diam. bare $\uparrow 3^\circ \text{ W}$ ^{60 links} marked
 $\uparrow 15 \text{ S } \text{R } 21 \text{ E } \text{S } 35 \text{ S.E. B. 1}$

A mesquite 8 in in diameter marked $\uparrow 16 \text{ S}$
R. 21 E. S. 2 S.E. B. 1 bare $\text{S } 39 \text{ W } 75 \text{ on}$

Land rough mountain side.

Smaller mesquite at N. end of line

Soil 4th rate.

West along S. boundary of sec 35.
Var. 13° E

9.90 wagon road to mine from San Pedro
now bears N.E. and S.W.

39.47 S. 1/4 sec. corner which is a post marked
1/4 S. firmly set in monument of stone.

79.07 S.C. to sec 34 and 35 which is a post
properly marked and firmly set in a
monument of stone.

Hilly land.

Soil composed of gravel and rock, & the
mesquite at end of line some grass.

West on S boundary of sec 34
Variation 13 E.

39.70 S. 1/4 sec. corner which is a post
marked 1/4 S firmly set in mound of
stone.

- 48.00 Ravine, course S.W.
 58.00 Ravine, course S.W. and around
 65.00 Top of ridge 400 ft high tra S.W. & N.E.
 78.10 The S.C. to sec 33 and 34 which
 is a post properly marked and
 set in mound of earth.

Rolling hills -

Soil stony -

No timber -

Narrow south boundary of sec 33 -
 var. $13\frac{1}{4}^{\circ}$ E -

- 24.85 Ravine 51 links wide course S.W.
 40.50 S. $\frac{1}{4}$ sec corner which is a post in
 monument of stone properly established
 50.50 Ravine 50 links wide N.W.
 60.00 Top of ridge bears N. and S.

73.35- Old Emigrant road from N.E. and S.W.
 78.85- ^{rough 40 links wide course S.W.}
 79.70 The Standard corner to sec. 32, and 33
 which is a post in mound of earth
 with pits and bearing trees properly
 marked and established
 land broken hills.
 Soil & its rate -
 No timber.

The road boundary of sec. 32.
 var. $13\frac{1}{2}^{\circ}$ E.

19.24 Ravine 39 links wide, course S.W.

21.24 Ravine 27 links wide, course S.W.

39.44 Standard $\frac{1}{4}$ sec. cor. which is a post
 marked $\frac{1}{4}$ S. properly retained mon-
 ument of stone.

Armesquin tree 7 in. in dia. from N 35 $^{\circ}$ E 97 links
 marked $\frac{1}{4}$ S. S.C. B.T.

Amesquit 8 in diam. marked $\frac{1}{2}$ S.E. S.P. bears S 25° W 125 links.

5040 Ramin 20 links wide course S.W.

6300 Ramin 17 links wide course S 37° W.

7840 S.C. to recs 31 and 32 which is a post in monument of stone, properly marked and established.

Amesquit 7 in diam. to 257° 2/4 links.

Land lilly -

Soil & that.

Some amesquit trees and grass.

West on south boundary of 31.

Var. $123\frac{1}{4}^{\circ}$ E -

2434 Ramin 29 links wide course S.W.

3964 S. 1/4 sec. corner which is a post

in mound of earth and pit properly established.

7936 Standard Corner to Tps 15 S R 8 20 and 21 E. which is a post in monument of stone properly established
Land hills, and broken
Soil poor and rocky
No timber

Weston N boundary of sec. 6 T. 16 S R. 21 E.
1775 Closing corner to Tps 16 S R. 20 and 21 E.
which is a post, in mound of earth,
properly established
Land hilly.
No timber. Soil worthless.

Note By adding the distances as found

By measurement given in the foregoing notes I find the total length between the S. Corner to \hat{N} per 15 S R. 20 and 21 E and the Standard corner to \hat{N} 15 S. R. 22 and 23 E along the 3rd Standard parallel south to be 927.19 chains instead of 960 chains as it should be. In all cases, except the one noted in preceding pages, the discrepancy arises in the allowance for slopes in chaining, there having been none made in the original work.

Clarence K. Wallace,
U.S. Deputy Surveyor.

BOOK 1562

U. S. Surveyor-General's Office,

TUCSON, A. T., June 13, 1888

The foregoing Field Notes of the Surveys of
 the N. & E. Bdy of T. 18 S. R. 22 E.
 N. & E. Bdy of T. 17 S. R. 21 E.
 N. & E. Bdy of T. 17 S. R. 22 E.
 East Bdy T. 16 S. R. 21 E.
 " " T. 16 S. R. 22 E.
 Gila and Salt River Meridian

in Arizona, executed by
 Clarence H. Wallace,

U. S. Deputy Surveyor, under his contract dated

April 26th 1886

having been critically examined, the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approved.

John Hise
 U. S. Surveyor-General
 for the Territory of Arizona.