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No 1.

No. 1456

Field Notes

OF THE SURVEY OF

the Gila & Salt River Meridian
let. the Gila & Salt River Base
line and the 2d Standard
lonth. see Book No 1. and
the 2d Standard South. bet.
the Gila & Salt River Meridian
and Rs No 5 E and Rs
No 10 — 17 East.

Gila and Salt River Base and Meridian

ARIZONA.

By J. B. McLaughlin D. S.

Under contract dated June 18 1873.

Survey commenced August 18 1873.

Survey completed September 4 1873.

Survey co 1456

No. 1456

Survey
of
Gila & Salt River
Meridian
bet.
Gila & Salt River Baseline
and 2d Standard South
Surveyed by
J. B. McLaughlin
U. S. Deputy Sur.
under his contract of
1883

Survey commenced aug 18. 1883

Survey completed. Sept. 4th 1883

Gila & Salt River Meridian

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BOOK 1456

Preliminary Oaths of Assistants.

We, J. W. Canady, Chas Warren, Chas Dorman and and Louis Haab

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; 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 distance to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability and in accordance with the instructions given us

in the survey of the Gila & Salt River Meridian bet. Gila & Salt River Base Line and 2d Standard South. ~~and the 2d Stan~~ ~~and South bet. Range 10 and 10 & 11 East.~~

J. W. Canady

Chas Warren

Chas Dorman

Louis Haab

Sworn to and subscribed before me, this 18th day of August, 1883

Paul Riecker
Notary Public

We, Wm J. Scott, Simon Vivier,
John Gerth & George Claussen
do solemnly swear that we will well and truly perform the
duties of Axman, Monumenter &
Flagman respectively
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 Gila & Salt River Meridian
Lat. Gila & Salt River Base Line, and 2d Stand-
ard South, and 2d Standard South Lat. Roads
and Ro. for 17 E.

Wm J Scott.
Simon Vivier
John P Gerth
Geo. Claussen

Sworn to and subscribed before me this 18th day of
August, 1883
Paul Ricketts
Notary Public

 2D

Preliminary Oaths of Assistants.

~~We~~ I Paul Riecker

~~and~~

do solemnly swear that ~~we~~ I will well and faithfully execute the duties of ~~Chain Carriers~~ Compassman; ~~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~~ my skill and ability and in accordance with instructions given ~~us~~ me in the survey of the Gila and Salt River Meridian Meridian through Tps. 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10 S. The Ind. Standard Parallel N. through Rs. 12, 13, 14, 11, 12, 13, 14, 15, 16 and 17 E. of the principal base and meridian in the Territory of Arizona.

Paul Riecker ~~Chainman~~ Compassman.

Chainman.

Subscribed and sworn before me, this 18th day of August, 188 8

J. B. McLaughlin
Notary Public.

Ge

Gila & Salt River Meridia
T. 1 S.

On the night of August 18. 1883 I took an observation on the Star Polaris in accordance with instructions contained in the Manual of Surveys, and drove Pickets on the line thus established.

Survey commenced Aug. 19. 1883 with a Young & Sons Patent improved Solar Transit, nearly new and which I found in perfect adjustment.

Before commencing the survey I test my Transit on the line established last night and find it correct.

I begin at the Initial Monument of the Gila and

G & S. R. Meridian through

chains

Salt River Base & Meridian which is established upon the Summit of a round rocky Hill just South and West of the confluence of the Gila and Salt River, a monument 8 ft. high by about 8 ft. dia. in good condition.
Thence 2 mm
South bet. Secs. 1 & 6
Va 13° 20' E.

Descend

40.00 Set a post 3 ft long 3 ins. sq. with marked stone 12 ins. in the ground, for 1/4 sec. Cor. marked 1/4 S. on W. face, and raised a mound of stone around post.

" Ascending

S. 1 S.

Chains	
80.00	Set a Granite 28+16 & 12 ins. 21 ins. in the ground for cor. to Secs. 1. 6. 7 + 12. marked with 1 notch on N. and 5 notches on S. edge, and raised a mound of stone alongside Pits impracticable Land mountainous and ascending towards the Estrella Mountains.
	Soil 3d rate
Scrubby	Timber Mesquite + Paloverde.
	South bet. Secs. 7 + 12 Va 13° 20' E.
	Ascending.
1.86	Wash 50 lks wide course N. E.
40.00	Set a Granite stone 10 & 8 & 8 ins. 7 ins. in the ground, for 1/4 sec.

G & S. R. M.

chains	
	Cor. marked 1/4 on W. face, dug pits 18+18+12 ins. N. & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.
	Ascending steep mountain
78.00	Summit of ridge course N. E.
80.00	Set a granite stone 20+18+14 ins. 15 ins. in the ground, for cor. to Secs. 7. 12. 13 & 18 marked with 2 notches on N. & 4 notches on S. edges, and raised a mound of stone alongside, Pits impracticable
	Land rocky & mountainous
	Soil 3d rate
Semi-tropic	Timber Mesquite & Palo verde

through T. 1 S.

chains	
	South bet. Secs. 13 & 18. Va 13° 20' E.
	Descend over ridges.
4.53	Rocky Gulch 5 lks wide course S. E.
8.00	Summit of Ridge bs E & descend
17.73	Bottom & ascend gradually.
40.00	A Boulder 30 x 30 x 30 ins. above ground, which I mark for 1/4 sec. Cor. with a cross (X) at exact Cor point, and raised a mound of stone alongside Pits impracticable.
48.66	Summit rocky ridge bs E.
80.00	Set a Granite stone 18 x 13 x 6 ins. 12 ins. in the ground for cor. to Secs. 13. 18. 19 & 24 marked with 3 notches on N & S. edges, and raised a mound of stone alongside, Pits impracticable.

G & S. R. M.

Chains	
	Land rocky & mountainous
	Soil 3d rate
Scrubby	Timber Mesquite & Paloverde.
	South bet. Secs. 19 & 24
	Va 13° 26' E.
	ascending over the Main Range
	of Estrella Mountains.
40.00	Set a Granite stone 25 x 12 x 10 ins. 18
	ins. in the ground for 1/4 sec.
	Cor. marked 1/4 on W. face,
	and raised a mound of stone
	alongside, Pits impracticable
48.20	Summit of high ridge & descend
	over side of steep Mountain
68.00	Ascend
80.00	Set a Granite stone 19 x 12 x 7 ins.
	15 ins. in the ground for cor.

through T. 1 S.

chains

to Secs 19. 24. 25. 30. marked with 4 notches on N. & 2 notches on S. edges, and raised a mound of stone alongside.
Pits impracticable.
Land rocky & mountainous.
Soil worthless
Scrubby Timber Paloverde & Mesquite.

South bet. Secs. 25 & 30
Va 13° 20' E.

Ascending.

37.50 Summit of High Ridge, bs E. & descend

40.00 Set a Granite stone 15 x 12 x 6 ins. 18 ins. in the ground, for 1/4 sec. Cor. marked 1/4 on W. face, and raised a mound of stone

G & S. R. M.

Chains	
	alongside, Pits impracticable
53.00	Cross Gulch 30 lks wide course S. E. &
	Ascend
80.00	Set a Granite Stone 13 x 10 x 8 ins. 9 ins.
	in the ground, for cor. to Secs.
	25. 30. 31 & 36 marked with
	5 notches on N. and 1 notch
	on S. edges, and raised a
	mound of stone alongside
	Pits impracticable
	Land rocky & mountainous
	Soil worthless
Scrubby	Timber of Mesquite & Paloverde

South bet. Secs. 31 & 36
Va 13°20' E.

Ascending

40.00	Set a Granite stone 12 x 9 x 9

through T. 1 S.

Chains

ino. 8ino. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone alongside, Pits impracticable.

80.00 Set a Granite stone 17 x 10 x 8 ino. 11ino. in the ground for cor to Tps 1 & 2 S. R 1 E. R 1 W. marked with 6 notches on each edge, and raised a mound of stone alongside, Pits impracticable Land very mountainous Soil worthless

Scrubby Timber of Mesquite & Paloverde.

From the Cor. T. 1 S. & 2 S. R. 1 E. & 1 W. just established due South on Tp. 2 S. bet. Secs. 1 & 6

Va 13° 20' E.

25.31 Summit of main Range of Estrella Mts, ~~course~~ bears S. 20° E.

G & S. R. M.

chains

& N. 20° W. and descend.

40.00 Set a Granite stone 14 x 11 x 7 ins. 10 ins. in the ground, for 1/4 sec. Cor. marked 1/4 on W. face and raised a mound of stone alongside, Pits impracticable

80.00 Set a Granite stone 13 x 10 x 8 ins. 9 ins. in the ground, for cor. to Secs. 1. 6. 7 & 12 marked with 1 notch on N. and 5 notches on S. edges, and raised a mound of stone alongside, Pits impracticable

Land mountainous.

Soil rocky & worthless.

Scrubby Timber of Mesquite & Paloverde.

Aug 20. 1883.

through T. 2 S.

chains

South bet. Secs. 7 & 12
Va 13° 20' E.

Descending

40.00 Set a Granitestone 12 x 10 x 8 ins. 8 ins. in the ground, for 1/4 sec cor. marked 1/4 on N. face, and raised a mound of stone alongside, Pits impracticable

80.00 Set a Granitestone 13 x 11 x 9 ins. 9 ins. in the ground, for cor. to Secs. 7. 12. 13. 18. marked with 2 notches on N. & 4 notches on S. edges, and raised a mound of stone alongside, Pits impracticable.

Land mountainous

Soil rocky & worthless.

Scrubby timber of Mesquite & Paloverde.

G & S. R. M.

Chains

South bet. Secs. 13 & 18
Va 13° 20' E.

Descending

40.00 Set a Granite stone 13 x 12 x 8 in.
gno. in the ground, for 1/4 sec
Cor. marked 1/4 on W. face,
and raised a mound of
stone alongside Pits impracticable

80.00 Set a Granite stone 14 x 13 x 9 ins
gno. in the ground, for cor.
to secs. 13. 18. 19 & 24. marked
with 3 notches on N & S. edges,
and raised a mound of stone
alongside, Pits impracticable
Land mountainous
Soil worthless
Brush Mesquite & Paloverde

through T. 2 S.

chains	
	South bet. Secs. 19 & 24 Va 13° 20' E.
13.20	Enter foothills & leave high Mounts.
40.00	Set a post 3 ft. long 3 ins. sq. with marked stone 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, and raised a mound of stone around post
80.00	Set a Granite Stone 20 x 10 x 8 ins. 15 ins. in the ground, for cor. to Secs. 19. 24. 25 & 30. marked with 4 notches on N. & 2 notches on S. edges, and raised a mound of stone alongside, Pits impracticable
	Land rocky & mountainous
	Soil 3d rate
	Mesquite & Ironwood Brush

G. & S. R. M.

chains

South bet. Secs. 25 & 30.
Va 13° 20' E.
over slightly rolling ground.
40.00 Set a Granite stone 12 x 9 x 7 ins.
8 ins. in the ground for 1/4 sec.
cor. marked 1/4 on W. face,
and raised a mound of
stone alongside, Pits impr
acticable.
80.00 Set a Granite Stone 13 x 10 x 7 ins.
9 ins. in the ground, for cor.
to Secs. 25. 30. 31 & 36. marked
with 5 notches on N. & 1 notch
on S. edge, and raised a
mound of stone alongside,
Pits impracticable.
Land rocky
Soil 3rd rate
Mesquit & Ironwood Brush

through T. 2 S.

Chains	
	South bet. Secs. 31 & 36.
	Va 13° 20' E.
40.00	Set a post 3 ft. long, 3 ins. sq. with marked stone 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18 x 18 x 12 ins. N & S. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft base around post.
80.00	Set a post 4½ ft long 4 ins. sq. with marked stone 12 ins. in the ground, for cor. to Tps 2 & 3 S. Rs 1 E & R 1 W. marked T. 2 S. S 31 on N. E. R 1 E. S. 6 on S. E. T. 3 S. S 1. on S. W. and R 1 W. S. 36 on N. W. faces, with 6 notches on each edge

G & S. R. M.

chains.

dug pits 24 + 18 + 12 in. length-
wise on each line N. S. E & W.
of post 6 ft. dist. and raised
a mound of earth 2½ ft.
high 5 ft. base around post.
Land level
Soil 2d rate
Timber dense Ironwood Mesquit
& Catclawborah.

I carefully examined the adjustments of my Solar Transit, To-day
particularly the latitude and reversing apparatus and
found them correct.

From the Cor to T 2 + 3 S. R 1 E + 1 W. just established

3 [illegible] South on T. 3 S. bet. Secs. 1 & 6
Va 13° 20' E.

4000 Set a Post 3 ft. long 3 in. sq.
with marked stone 12 in. in
the ground for 1/4 sec. cor. marked
1/4 S. on W. face, dug pits 18 + 18 + 12
in. N + S. of post 5½ ft. dist. and
raised a mound of earth

through T. 3 S.

chains	
	1½ft high 3½ft base around post.
80.00	Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground for cor. to Secs. 1. 6. 7 + 12 marked T. 3 S. S. 6 on N. E. R. 1 E. S. 7 on S. E. R. 1 W. S. 12 on S. W. and S. 1 on N. W. faces, with 1 notch on N. and 5 notches on S. edges, dug pits 18 + 18 + 12 ins. in each sec. 5½ft dist. and raised a mound of earth 2ft high 4½ft. base around post.
	Land level
	Soil 2d rate
	Dense Ironwood & Mesquite
	Aug 21st 1883.

G & S. R., M.

Chains	
	South bet. Secs. 7 & 12
	Va 13° 20' E.
40.00	Set a post 3ft. long 3ins. sq. with marked stone 12ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on W. face, dug pits 18×18×12 ins. N & S. of Post 5½ft. dist. and raised a mound of earth 1½ft high 3½ft base around post.
80.00	Set a post 4 ft. long 4ins. sq. with marked stone 12ins. in the ground for Cor. to Secs 7.12 13 & 18. marked T. 3 S. S. 7 on N. E. R 1 E. S. 18 on S. E R 1 W S. 13 on S. W. and S. 12 on N. W. faces, with 2 notches on N. and 4 notches on S. edges

through T. 3 S.

Chains

dug pits 18+18+12 ins. in each sec. 5/2ft. dist. and raised a mound of earth 2ft. high 4½ft base around pit from which

an Ironwood 13 ins. dia. bs N.10° W. 2.03 lks dist marked T. 3 S. R. 1 W. S. 12 B. T.

an Ironwood 16 ins. dia. bs N 42° E. 2.46 lks dist. marked T. 3 S. R. 1 E. S. 7 B. T.

do other trees within limits

Land level

Soil 2d rate

Dense Ironwood & Mesquite

South bet. Secs. 13 & 18.

Va 13° 20' E.

37.00 West 1 lks wide course S. 80° W.

40.00 Set a Post 3ft long 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on W.

G & S. R. M.

chains

face, dug pits 18+18+12ins. N&S. of post 5½ft dist. and raised a mound of earth 1½ft high 3½ft base around post from which
a Palverde 18ins dia. bro S.30° W. 176 lks dist.
marked 1/4 S B. T.

80.00 Set a post 4ft. long 4ins. sq. with marked stone 12ins. in the ground for cor. to Secs. 13. 18. 19 & 24.
marked T. 3 S. S 18. on N. E.
R 1 E. S. 19 on S. E
R 1 W. S. 24 on S. W. and
S. 13 on N. W. faces, with 3 notches on N&S. edges, dug pits 18+18+12 ins. in each sec. 5½ft. dist. and raised a mound of earth 2ft high 4½ft base around post.

through T. 3 S.

chains	
	Land level Soil 2d rate Dense Catoclaw & Mesquite Brush Good Grass.
	South bet. Secs. 19 & 24 Va 13° 20' E.
40.00	Set a post 3 ft. long, 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18+18+12 ins. N. & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post from which a Palverde 13 ins. dia. bro. S. 41° E. 231 lks dist. marked 1/4 S. B. T.
80.00	Set a post 4 ft. long, 4 ins. sq. with marked stone 12 ins. in the ground

G & S. R. M.

Chains

for cor. to Secs 19. 24. 25 & 30. marked
T. 3 S. S 19 on N. E.
R 1 E. S. 30 on S. E
R 1 W. S. 25 on S. W. and
S. 24 on N. W. faces, with 4 notches
on N. and 2 notches on S. edges,
dug pits 18+18+12 in. in each
sec 5 ft. dist. and raised a
mound of earth 2 ft. high 4½ ft
base around post.
Land level
Soil 2d rate
Dense Catclaw & Mesquite brush
Good Grass.

South bet. Secs. 25 & 30.
Va 13° 20' E.

40.00 Set a post 2 ft. long, 3 in. sq.

through T. 3 S.

chains

with marked stone 12ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18+18+12 ins. N+S. of post 5½ft. dist. and raised a mound of earth 1½ft. high 3½ft. base around post.

80.00 Set a post 4ft. long 4ins. sq. with marked stone 12ins. in the ground for cor. to Secs. 25. 30. 31 + 36. marked T. 3 S. S. 30 on N. E R 1 E. S. 31 on S. E R 1 W. S. 36 on S. W. and S. 25 on N. W. faces, with 5 notches on N. + 1 notch on S. edges, dug pits 18+18+12ins. in each sec. 5½ft. dist. and raised a mound of earth 2½ft. high 4½ft. base around

G & S. R. M.

Chains

post.
Land level
Soil 2d rate
Dense Mesquit & Ironwood brush

South bet. Secs. 31 & 36
Va 13° 20' E.

40.00 Set a post 3 ft. long 3 ins. sq. with marked stone 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. faces, dug pits 18+18+12 ins. N & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft high 3 1/2 ft base around post.

80.00 Set a post 4 1/2 ft. long 4 ins. sq. with marked stone 12 ins. in the ground, for cor. to Tps. 3 & 4 S. R 1 E. & R 1 W.

through T. 3 S.

chains

marked T. 3 S. S. 31 on N. E.
R. 1 E S. 6 on S. E
T. 4 S. S. 1 on S. W. and
R 1 W. S. 36 on N. W. faces,
with 6 notches on each edge,
dug pits 24 + 18 + 12 ins. lengthwise
on each line N. S. E + W. of
post 6 ft. dist. and raised a
mound of earth 2½ ft. high
5 ft. base around post. from
which a Mesquite 10 in. dia. bears N. 75° E. 83 lks dist.
marked T. 3 S. R 1 E. S. 31 B. T.
Land level
Soil 2d rate
Dense Paloverde Mesquite Brush.

G & S. R. M.

chains	From the Cor to Tps 3 & 4 S R 1 E & 1 W. just established
0	South on T. 4 S. bet. Secs. 1 & 6
	Va 13° 20' E.
40.00	Set a Post 3 ft. long 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on W face, dug pits 18 + 18 + 12 ins. N & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.
80.00	Set a post 4 ft. long, 4 ins. sq. with marked stone 12 ins. in the ground for Cor. to Sec. 1. 6. 7 & 12 marked T. 4 S. S. 6 on N. E. R 1 E. S. 7 on S. E. R 1 W. S. 12 on S. W. and S 1 on N. W. faces, with 1 notch on N. and 5 notches on S. edges, dug pits 18 + 18 + 12 ins. in each sec. 5 1/2 ft. dist. and raised a

through T. 4 S.

chains

mound of earth 2ft high 4½ft base around post.
Land level
Soil 2d rate
Venue Ironwood & Mesquite timber about
Aug 23 1883.

South bet. Secs. 7 & 12
Va 13° 20' E.

40.00 Set a post 3ft. long 3in. sq. with marked stone 12in. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18 x 18 x 12in. N & S. of post 5½ft. dist. and raised a mound of earth 1½ft high 3½ft base around post.

80.00 Set a post 4 ft. long, 4 in. sq.

Gila & S. R. M.

chains

with marked stone 12ins. in
the ground, for cor. to Secs. 7.12
13 & 18 marked
T. 4 S. S. 7 on N. E
R. 1 E. S. 18 on S. E
R 1 W. S. 13 on S. W. and
S. 12 on N. W. faces, with 2 notches
on N. and 4 notches on S. edges,
dug pits 18+18+12 ins. in each sec
5/2ft. dist. and raised a mound
of earth 2ft high 4½ft. base
around post. from which
An Ironwood 12ins. dia. bs N. 1° W. 2.33 lks dist.
marked T. 4 S. R 1 W. S. 12 B. T.
An Ironwood 10ins. dia. bs N. 12° E. 2.16 lks dist
marked T 4 S. R 1 E. S. 7. B. T.
Land level
Soil 2d rate
Dense Ironwood & Mesquite brush.

through T. 4 S.

chains	
	South bet. Secs. 13 & 18
	Va. 13° 20' E.
37.00	Wash 15 lks wide course S. 75° W.
40.00	Set a Post 3 ft. long 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18 + 18 + 12 ins. N & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft high 3 1/2 ft. base around post from which
	a Paloverde 18 ins. dia. bro S. 81° W. 75 lks dist. marked 1/4 S. B. T.
59.00	Road to Gila Bend ~~course~~ tear E & W.
80.00	Set a post 4 ft long 4 ins sq. with marked stone 12 ins. in the ground for cor. to Secs 13. 18. 19 + 24. marked T. 4 S. S. 18 on N. E. R. 1 E. S. 19 on S. E.

G & S. R. M.

chains

R 1 W. S. 24 on S. W. and S. 13 on N. W. faces, with 3 notches on N & S. edges, dug pits 18+18+12 ins. in each sec. 5½ft. dist. and raised a mound of earth 2ft high 4½ft. base around post.
Land level
Soil 2d rate
Dense Catclaw & Mesquite brush
Good Grass.

South bet. Secs. 19 & 24
Va 13°20' E.

40.00 Set a Post 3ft. long, 3ins. sq. with marked stone 12ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, dug

through T. 4 S.

chains	
	pits 18+18+12 ins. N+S. of post 5½ft. dist. and raised a mound of earth 1½ft. high 3½ft. base around post, from which a Paloverde 13 ins. dia. bears S. 21° E 31 lks dist. marked 1/4 S. B.T.
80.00	Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins in the ground for cor. to Secs. 19. 24. 25 & 30. marked T. 4 S. S. 19 on N. E R. 1 E. S. 30 on S. E R. 1 W. S. 25 on S. W. and S. 24 on N. W. faces, with 4 notches on N. and 2 notches on S. edges, dug pits 18+18+12 ins. in each sec. 5½ft. dist. and raised a mound of earth 2ft high 4½ft. base around post. Land level

G & S. R. M.

Chains

Soil 2d rate
Deuse Cat-claw & Mesquite brush
Good Grass.

South bet. Secs. 25 & 30
Va 13°20' E.

40.00 Set a post 3 ft. long, 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face dug pits 18+18+12 ins. N. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base around post.

80.00 Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground for cor. to Secs. 25. 30. 31 & 36 marked T. 4 S. S. 30 on N. E
R 1 E. S. 31 on S. E.

through T. 4 S.

chains

R 1 W. S. 36 on S. W. and S. 25 on N. W. faces, with 5 notches on N & 1 notch on S. edges, dug pits 18+18+12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft high 4½ ft. base around post
Land level
Soil 2d rate
Venus Mesquit & Greasewood bush.
Aug. 24. 1883

South bet. Secs. 31 & 36
Va B° 20' E

27.90 Road to Gila Bend bro S. 80° E
28.50 Western Union Telegraph S. 80° E
29.05 Southern Pacific R. R.
40.00 Set a post 3 ft. long 3 ins. sq. with marked stone 12 ins. in

G & S. R. M.

chains

the ground, for 1/4 sec. cor. marked 1/4 S. on N. face, dug pits 18+18+12 ins. N & S. of post 5½ft. dist. and raised a mound of earth 1½ft. high 3½ft. base around post.

80.00 Set a post 4½ft. long, 4 ins. sq. with marked stone 12 ins. in the ground for cor. to Tps 4 & 5 S. R 1 E & R 1 W. marked T. 4 S. S 31 on N. E
R 1 E. S. 6 on S. E
~~R 1 W.~~ S. 1 on S. W. and
R 1 W S. 36 on N. W. faces, with 6 notches on each edge, dug pits 24+18+12 ins. lengthwise on each line N. S. E & W. of post 6 ft. dist. and raised a mound of earth 2½ft. high 5 ft. base around post. from which
A Paloverde 12 ins. dia. bs N. 88° E. 145 lks. dist.

through T. 4 S.

Chains

marked T. 4 S. R 1 E. S. 31 B. T.
Land level
Soil 2d rate
Devil. Paloverde, Mesquit & Greasewoodbrush
I carefully examined the adjustment of my Solar Transit to day particularly the latitude and reversing apparatus and found them correct.
From the Cor to Sec 4+5 T. R. E+1 W. just established - 3 miles
South on Tp 5 S. bet. Secs. 1+6
Va 13° 20' E.

40.00 Set a post 3 ft. long, 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on W face, dug pits 18+18+12 ins. N+S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft high 3 1/2 ft. base around post.

80.00 Set a post 4 ft. long, 4 ins. sq. with marked stone 12 ins. in the ground for cor. to Secs. 1.6.7+12 marked T. 5 S. S6. on N. E.

G & S. R. M.

chains

R 1 E. S 7 on S. E.
R 1 W. S 12 on S. W. and
S 1 on N. W. faces, with 1 notch
on N. and 5 notches on S. edges,
dug pits 18 + 18 + 12 ins. in each
sec. 5/2 ft. dist. and raised
a mound of earth 2 ft. high
4/2 ft. base around post.
Land level
Soil 2d rate
Dense Mesquite & Ironwood brush.

South bet. Secs. 7 + 12
Va 13° 20' E.

40.00 Set a post 2 ft. long, 3 ins. sq.
with marked stone 12 ins. in the
ground for 1/4 sec. Cor. marked
1/4 S. on W. face, dug pits

through T. 5 S.

Chains	
	18+18+12 ins. N+S. of post 5½ft. dist. and raised a mound of earth 1½ft. high 3½ft. base around post from which a Mesquite 12ins. dia. bears N. 45° E. 110 lks dist. marked 1/4 S. B. T.
40.40	Wash 3 lks wide course N. E.
80.00	Set a post 4ft. long 4ins. sq. with marked stone 12ins. in the ground for cor. to Secs. 7. 12. 13 + 18. marked T. 5 S. S 7. on N. E. R 1 E. S. 18 on S. E R 1 W. S. 13 on S. W. and S. 12. on N. W. faces, with 2 notches on N. and 4 notches on S. edges, dug pits 18+18+12 ins. in each sec. 5½ft. dist. and raised a mound of earth 2ft. high 4½ft. base around post.

G & S. R. M.

chains

Land level
Soil 2d rate
Dense Mesquite & Ironwood brush.

South bet. Secs. 13 & 18
Va. 13° 20' E.

40.00 Set a post 3 ft. long 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 sec. Cor. marked 1/4 S. on W. face, dug pits 18 & 18 & 12 ins. N & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft high 3 1/2 ft. base around post.

80.00 An edge of Wash which drains N. E. 2 chs wide, a Mesquite tree 6 ins. dia. which I marked
T. 5 S. S. 18 on N. E.
R 1 E. S 19 on S. E

through T. 5 S.

chains

R 1 W. S. 24 on S. W. and
S. 13 on N. W. faces, with 3 notches
on N & S. ~~edges~~ faces, for cor. to Secs. 13. 18. 19 & 24
from which raised a mound of earth around bra
a Mesquite 12in. dia. bears S. 10° W. 88 lks dist.
marked T. 5 S. R 1 W. S. 24 B.T.
Land level
Soil 2d rate
Dense Mesquite & Timbered.

South bet. Secs. 19 & 24
Va 13° 20' E

40.00 Set a post 3ft. long 3ins. sq. with
marked stone 12ins. in the ground
for 1/4 sec. cor. marked 1/4 S. on W.
face, dug pits 18 + 18 + 12ins. North
of post 5 1/2 ft. dist. and raised
a mound of earth 1 1/2 ft. high

G & S. R. M.

chains

3½ ft. base around post.

80.00 Set a post 4½ ft. long 4 ins. sq.
with marked stone 12 ins. in
the ground for cor. to Secs. 19. 24. 25 & 30
marked T. 5 S. S 19. on N. E.
R 1 E. S. 30 on S. E.
R 1 W. S. 25 on S. W. and
S. 24 on N. W. faces, with 4 notches
on N. and 2 notches on S. edges,
dug pits 18 + 18 + 12 ins. in each
sec. 5½ ft. dist. and raised a
mound of earth 2 ft. high
4½ ft. base around post from which
a Palo verde 12 ins. dia. bears N 40° E. 50 lks ~~dist.~~
marked T. 5 S. R 1 E. S 19 B. T.
Land level
Soil 2d rate
Dense Mesquite & Ironwood.

Aug. 25th 1883

through T. 5 S.

chains

South bet. Secs. 25 & 30.
Va 13° 20' E.

40.00 Set a post 3ft. long 3in. sq. with marked stone 12in. in the ground for 1/4 Sec. Cor. marked 1/4 S. on W. face, dug pits 18 x 18 x 12in. N. & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.

60.00 Ascend a steep Mountain

78.00 Summit of Mountain

80.00 Set a Granite stone 20 x 12 x 10 in. 15 in. in the ground for cor. to Secs. 25. 30. 31 & 36 marked with 5 notches on N. & 1 notch on S. edges and raised a mound of stone alongside, Pits impracticable S. and 1 & 2 chs level & thence rocky and mountainous.

G & S. R. M.

Chains	
	Dense Paloverde & Mesquite brush.
	South bet. Secs. 31 & 36
	Va. 13°20' E.
	Descend
5.00	leave Mountain
15.00	Ascend rocky Mountain
40.00	Set a Granite stone 20 x 18 x 12 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone alongside Pit impracticable thence over rocky Mountain
80.00	on South slope and before entering circular Basin a Granite rock in place 2 x 2 x 1 ft. above ground, which I marked for Standard

through T. 5 S.

chains

Cor. to Tps 5 S. R. 1 E & R 1 W.
with a cross (X) at exact cor. point.
with 6 notches on N. & W. edges,
and raised a mound of rocks
alongside, Pits impracticable,
from which a sharp two pronged
Peak bs N. 86° 10' W. about 6
miles dist.
Summit of High Mtn bs S. 44° 58' E.
about 20 miles dist.
a Palo verde 7 in. dia & Suhara 1 ft. dia. bear
S. 56° W. 62 lks dist. marked
T. 6 S. R 1 W. S. 1 B. T.

Land rolling & Mountainous
Soil 3rd rate
Pals Cover & Mesquite brush.

G & S. R. M.

chains

R 1 W. S. 13 on S. W. and
S. 12 on N. W. faces, with
2 notches on N. and 4 notches
on S. edges, for cor. to Secs. 7, 12,
13 & 18. Wrapped a piece of stone around the
from which
an Ironwood 12 ins. dia. bro N. 50° E. 50 lks dist.
marked S. 6 S. R 1 E. S. 7 B. T.
Land mountainous
Soil worthless
Ironwood & Mesquite. Brush

South bet. Secs. 13 & 18
Va 13° 20' E

35.00 over Rocky Point.
40.00 on E. slope of rocky Hill Set a post
3 ft. long, 3 ins. sq. with marked
stone 12 ins. in the ground, for
1/4 sec. Cor. marked 1/4 S. on

through T. 6 S.

chains

W. face, and raised a mound of stone around post, Pits impracticable.

64.00 Ascend rocky Mountain

80.00 Set a Granite stone 20+16+10 ins. 15 ins. in the ground, for Cor. to Secs. 13. 18. 19 + 24. marked with 3 notches on N+S. edges, and raised a mound of stone alongside, Pits impracticable this is near summit of high ridge

Land mostly mountainous

Soil 3d rate

Mesquite + Paloverde. Brush

South bet. Secs. 19 + 24

Va 13° 20′ E.

G. & S. R. M.

Chains	
	Descend
30.00	Enter flat
40.00	Set a post 3 ft. long, 3 ins. sq. with marked stone 12 ins. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18 + 18 + 12 ins. N. & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft high 3 1/2 ft. base around post.
80.00	Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground, for cor. to Secs. 19, 24 25 + 30. marked T. 6 S. S. 19 on N. E R. 1 E. S. 30 on S. E R. 1 W. S. 25 on S. W. and S. 24 on N. W. faces, with 4 notches on N. and 2 notches

through T. 6 S.

chains

on S. edges, dug pits 18+18+12 ins. in each sec. 5½ft. dist. and raised a mound of earth 2ft. high 4½ft. base around pit. from which

a Palverde 12in dia. bears S. 10° W. 35 lks dist. marked T.6S. R. 1 W. S. 25 B.T.

Land partly mountainous

Soil 2d & 3d rate

Mesquite & Palverde & Ironwood. O. Pruch

Aug 26th 1883

South bet. Secs. 25 & 30

Va 13° 20' E.

30.00 Ascend rocky Mountain

40.00 Set a Granite 21+13+10 ins. 15 ins. in the ground for 1/4 sec cor. marked 1/4 on W. face

G + S. R. M.

chains.	
	and raised a mound of stone alongside, Pits impracticable
80.00	In rocky mountain set a granite stone 22 + 20 + 15 ins. 16 ins. in the ground, for cor. to Secs. 25. 30. 31 + 36. marked with 5 notches on N + 1 notch on S. edges, and raised a mound of stone alongside, Pits impracticable
	Land rocky + mountainous Soil worthless.
	Bush Mesquite + Paloverde.
	South bet. Secs 31 + 36 Va 13° 20' E.
10.65	Enter flat
34.00	Descend, open bo S. E

through T. 6 S.

Chains	
40.00	Rock in place 2 x 1 x 1 ft. above ground, which I marked for 1/4 Sec. cor., with a cross (X) at exact cor. point and raised a mound of stone alongside,
45.10	Summit of ridge bs N. W.
51.05	Wash 30 lks. draining N. W
58.75	Summit of ridge x High Peak bs S. 30° E.
73.50	Enter flat
80.00	Set a Granite stone 15 x 11 x 6 ins. 10 ins. in the ground for cor. to Tps 6 & 7 S. R 1 E. R 1 W. marked with 6 notches on each edge, and raised a mound of stone alongside, Pts impracticable. Land mostly mountainous

G & S. R. M.

Chains

Soil 2d & 3d rate

Mesquite & Paloverde.

I carefully examined the adjustment of my Solar Compass to day for the day by the latitude and observing apparatus and found them correct.

From the Cor. to S 6 & 7 T. R. 1 E & 1 W. just established by me

South on T. 7 S. bet. Secs. 1 & 6.

Va 13°20' E.

across rolling country.

4.00 Set a volcanic rock 12 & 10 & 9 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on W face, and raised a mound of stone alongside, Pits impracticable.

80.00 Set a volcanic rock 17 & 14 & 6 ins. 12 ins. in the ground for cor. to Sec. 1. 6. 7 & 12. marked with 1 notch on N. & 5 notches on S. edge, and raised a mound of stone alongside

through T. 7 S.

chains

Pits impracticable.
Land rocky & rolling
Soil 3d rate
Mesquit & Ironwood brush.

South bet. Secs. 7 & 12
Va 13° 20' E.

40.00 Set a Granite stone 14 x 10 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W face, and raised a mound of stone alongside
Pits impracticable.

45.80 a Wash 55 lks wide drains E.

80.00 Set a Volcanic rock 16 x 8 x 8 ins. 11 ins. in the ground for cor. to Secs. 7, 12, 13 & 18. marked with 2 notches on No 4 notches

G & S. R. M.

chain

on S. edges, and raised a mound of stone alongside
Pits impracticable
Land rocky & rolling
Soil 3d rate
Mesquite & Paloverde, Brush

South bet. Secs. 13 & 18
Va 13° 20' E.

40.00 Set a Volcanic rock 12 x 10 x 8 ins. 8 ins. in the ground for 1/4 sec. cor. marked 1/4 on W face, and raised a mound of stone alongside
Pits impracticable

80.00 Set a Granite stone 10 x 10 x 8 ins. 7 ins. in the ground for cor. to Secs. 13. 18. 19 & 24. marked

through S. 7 S.

chains

with 3 notches on No. S. edges,
and raised a mound of
stone alongside Pits impr-
acticable.
Land rocky & rolling
Soil 3d rate
Mesquit & Ironwood (Brush

South bet. Secs. 19 & 24
Va 13°20' E.
Ascending along round Mtn
40.00 Set a Granite stone 15 x 12 x 10
in. 18 in. in the ground for 1/4
sec. cor. marked 1/4 on W. face
and raised a mound of
stone alongside Pits impracticable
70.50 Summit of ridge bro E. & descend
80.00 Set a Granite stone 13 x 10 x 8

G & S. R. M.

chains

ins. 9 ins. in the ground, for
cor. to Secs. 19. 24. 25. & 30.
marked with 4 notches on N.
and 2 notches on S. edges,
and raised a mound of
stone alongside, Pits impracticable.
Land mountainous
Soil 3d rate

Mesquite & Ironwood.

Aug. 28. 1883

South bet. Secs. 25 & 30
Va 13° 20' E.

40.00 Set a Granite stone 12 x 10 x 8
ins. 8 ins. in the ground for
1/4 sec. Cor. marked 1/4
on W face, and raised
a mound of stone along-
side, Pits impracticable

through T. 7 S.

chains	
73.00	West 53 lks. to the corner E.
80.00	Set a Volcanic rock 13x10x8 ins. 9 ins. in the ground for cor. to Secs. 25. 30. 31 & 36. marked with 5 notches on N. and 1 notch on S. edges, and raised a mound of stone along side, Pits inaccessible.
	Land mountainous
	Soil 3d rate
	Mesquite & Innowoodbrush.

South bet. Secs. 31 & 36

Va 13° 20' E.

Ascending rocky Ridges.

5.00 Set a Granite stone 11x10x8 ins. 7 ins. in the ground

G. & S. R. M. through T. 7 S.

chains	
	for 1/4 sec. Cor. marked 1/4 on W. face and raised a mound of stone alongside. Pits impracticable.
80.00	Set a Granite stone 12 x 12 x 10 ins. 8 ins. in the ground, for Cor. to Tps 7 & 8 S. R. 1 E. & R. 1 W. marked with 6 notches on each edge, and raised a mound of stone alongside, Pits impracticable. from which a Palo verde 6 ins. dia. bears S 15° E. 20 lks. dist. marked T. 8 S. R. 1 E. S. 6 B. T.
	Land mountainous
	Soil 3d rate
	Timber Mesquite & Paloverde.
	Brush

G. & S. R. M. through T. 8 S.

Chains

From the cor to T 7 & 8 S. R 1 E & 1 W. just established - 9 years

South on Tp 8 S. bet. Secs. 1 & 6

Va 13° 20' E.

N 00 Summit of Mountain Range

60 E & W & Descend

40.00 Set a Granite stone 20 + 10 + 8 ins. 15 ins. in the ground, for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone alongside, Pits impracticable.

80.00 Set a Granite stone 12 + 9 + 7 ins. 8 ins. in the ground, for cor. to Secs. 1. 6. 7 & 12. marked with 1 notch on N & 5 notches on S. edges, and raised a mound of stone alongside. Pits impracticable

Land mountainous

Soil 3d rate

Undergrowth of Mesquite & Paloverde

Aug. 31st 1883

G & S. R. M.

chains	
	South bet. Secs. 7 & 12
	Va 13° 20' E.
	Descent
40.00	Set a Granite stone 14 x 10 x 8 ins. 10 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone alongside Pits impracticable.
43.50	A Wash 50 lks wide drains S. E.
80.00	Set a Volcanic rock 13 x 12 x 10 ins. 9 ins. in the ground, for cor. to Secs. 7. 12. 13 & 18. marked with 2 notches on N. & 4 notches on S. edges and raised a mound of stone alongside, Pits impracticable. Land rocky & mountainous Soil 3d rate

through T. 8 S.

chains	
	Mesquite & Paloverde. Cont
	South bet. Secs. 13 & 18.
	Va 13°20' E.
40.00	Set a volcanic rock 15 x 10 x 8
	ins. 10 ins. in the ground for
	1/4 sec. Cor. marked 1/4 on W.
	face, and raised a mound
	of stone alongside, Pits
	impracticable.
69.50	Enter rolling ground
80.00	Set a Granite stone 10 x 10 x 7 ins.
	7 ins. in the ground for cor.
	to Secs. 13. 18. 19 & 24. marked
	with 3 notches on W & S edges,
	and raised a mound of
	stone alongside, Pits impra-
	cticable.
	Land mountainous & rolling.

G & S. R M.

Chains

Soil 3d rate
Mesquit & Ironwood. Brush

S.

South bet. Secs. 19 & 24
Va 13° 20' E

over rolling Ground

40.00 Set a Granite stone 12 x 10 x 10 ins.
8 ins. in the ground for 1/4
sec. cor. marked 1/4 on
W. face, and raised a
mound of stone alongside
Pits impracticable.
ascending steep mountain

80.00 Set a Granite stone 20 x 14 x 9 ins.
15 ins in the ground for cor.
to Secs 19. 24. 25 & 30. marked
with 4 notches on N. and
2 notches on S. edge, and

through T. 8 S.

chains

raised a mound of stone alongside Pits impracticable
Land mountainous
Soil 3d rate
Some Mesquite & Paloverde.

South bet. Secs. 25 & 30
Va 13° 20' E.

20.30 Summit of east end of Mountain. & descent

40.00 Set a Granite stone 12 x 12 x 10 ins. 8 ins. in the ground for 1/4 Sec. cor. marked 1/4 on W. face, and raised a mound of stone alongside, Pits impracticable.

71.50 Enter rolling ground,

80.00 Set a Granite stone 13 x 10 x 10

G & S. R. M.

Chains	
	ins. 9 ins. in the ground for cor. to Secs. 25. 30. 31 & 36. marked with 5 notches on N. & 1 notch on S. edge, and raised a mound of stone alongside. Pits impracticable. Land mostly mountainous Soil 3d. rate Timber Magnolia & Ironwood brush
	South bet. Secs. 31 & 36 Va 13° 20' E.
40.00	Set a Granite stone 11 x 10 x 9 ins. 7 ins. in the ground for 1/4 sec. cor. marked 1/4 on W. face, and raised a mound of stone along-

through T. 8 S.

chains

side Pits impracticable

80.00 Set a Granite stone 14×10×8 ins. 10 ins. in the ground for Cor. to Tps. 8 & 9 S. R 1 E & R 1 W. marked with 6 notches on each edge, and raised a mound of stone alongside Pits impracticable.

Land rolling

Soil 3d. rate

Mesquite & Ironwood brush

I carefully examined the adjustment of my Solar transit today particularly the level and verifying the adjustment of the vernier and find it correct.

From the Cor. to Tps. 8 & 9 S. R 1 E & 1 W just established - Drum -

South on Tp. 9 S. bet. Secs. 1 & 6

Va 13° 20' E.

over level ground

40.00 Set a Post 3 ft. long 3 ins. sq. with marked stone 12 ins. in the ground, for 1/4 sec. cor.

G & S. R. M.

Chains	
	marked 1/4 S. on W. face, dug pits 18+18+12 ins. N & S. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base around post.
80.00	Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground for cor. to Secs. 1. 6. 7 & 12. marked T. 9 S. S. 6 on N. E. R. 1 E. S. 7 on S. E. R. 1 W. S. 12 on S. W. and S. 1 on N. W faces, with 1 notch on N & 5 notches on S edges, dug pits 18+18+12 ins. in each sec. 5½ ft. dist. and raised a mound of earth 2 ft. high 4½ ft. base

through T. 9 S.

chains

around post.
Land level
Soil 2d rate
Dense Musgrove & Catclaw brush.
Sept. 1st 1883

South bet. Secs. 7 & 12
Va 13° 20' E.

40.00 Set a post 2ft. long 3ins. sq. with marked stone 12ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W face, dug pits 18 + 18 + 12ins. W & S. of post 5½ft. dist. and raised a mound of earth 1½ft high 3½ft. base around post.

80.00 Set a post. 4 ft. long 4ins. sq. with marked stone 12ins in the ground, for cor. to Secs.

G & S. R. M.

Chains

7.12.13 & 18 marked
T. 9 S. S. 7 on N. E.
R 1 E. S. 18 on S. E.
R 1 W. S. 13 on S. W. and
S. 12 on N. W. faces, with 2
notches on N. & 4 notches on
S. edges, dug pits 18 & 18 & 12
ins. in each sec. 5½ ft. dist.
and raised a mound
of earth 2 ft. high 4½ ft.
base around post.
Land level
Soil 2d rate
Dense Mesquit & Ironwood brush.

South bet. Secs. 13 & 18.
Va 13° 20' E.

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

through T. 9 S.

chains

with marked stone 12ins. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18+18+12 ins. N. & S. of post 5½ft. dist. and raised a mound of earth 1½ft. high 3½ft. base around post.

80.00 Set a post 4 ft. long 4 ins. sq. with marked stone 12ins. in the ground for cor. to Secs. 13. 18. 19 & 24. marked T. 9 S. S. 18 on N. E.
R 1 E. S. 19 on S. E.
R 1 W. S. 24 on S. W. and S. 13 on N. W. faces, with 3 notches on N. & S. edges, dug pits 18+18+12 ins. in each sec. 5½ft. dist. and raised a mound of earth 2ft. high 4½ft. base around post, from which

G & S. R. M.

Chains	
	A Mesquite 10in. dia. bears S.20° E. 239 lks dist. marked T. 9 S. R. 1 E. S. 19 B. T.
	Land level
	Soil 2d rate
	Dense Mesquite & Catclaw brush
	South bet. Secs. 19 & 24.
	Va 13° 20' E.
40.00	Set a post 3 ft. long, 3in. sq. with marked stone 12in. in the ground for 1/4 sec. Cor. marked 1/4 S. on W. face, dug pits 18 & 18 & 12in. N. & S. of post 5½ ft. dist. and raised a mound of earth 1½ ft. high 3½ ft. base around post.
80.00	Set a Post 4 ft. long, 4 in. sq. with marked stone 12

through T. 9 S.

chains

ins. in the ground, for cor. to
Secs. 19. 24. 25 & 30. marked
T. 9 S. S. 19 on N. E.
R. 1 E. S. 30 on S. E.
R 1 W. S. 25 on S. W. and
S. 24 on N. W. faces, with 4
notches on N & 2 notches on S.
edges, dug pits 18 x 18 x 12 ins.
in each sec. 5½ ft. dist. and
raised a mound of earth
2 ft. high 4½ ft. base around post.
Land level
Soil 2d rate
dense Mesquite & Catsclaw brush.

South bet Sec. 25 & 30.
Va 13° 20' E.

40.00 Set a post 3 ft. long 3 ins. sq. with

G & S. R. M.

Chains	
	marked stone 12in. in the ground for 1/4 sec. cor. marked 1/4 S. on W. face, dug pits 18+18+12 in. N. & S. of post. 5½ft. dist. and raised a mound of earth 1½ft. high 3½ft. base around post
80.00	Set a post 4 ft. long 4 in. sq. with marked stone 12 in. in the ground for cor. to Secs. 25. 30. 31 & 36 marked T. 9 S. S. 30 on N. E. R 1 E. S. 31 on S. E. R 1 W. S. 36 on S. W. and S. 25 on N. W. faces, with 5 notches on N. & 1 notch on S. edges, dug pits 18+18+12 in. in each sec. 5½ft. dist. and raised a mound of earth 2ft high 4½ft. base around

through T. 9 S.

chains

post.
Land level
Soil 2d rate
dense Catclaw & Mesquite brush.

South bet. Secs. 31 & 36
Va 13°20' E.

40.00 Set a post 3 ft long, 3 in. sq. with marked stone 12 in. in the ground for 1/4 sec. cor. marked 1/4 S. on W face, dug pits 18 x 18 x 12 in. N & S. of post 3 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.

80.00 Set a post 4 1/2 ft. long 4 in. sq. with marked stone 12 in. in the ground, for ——

G & S. R. M.

Chains.

Cor. to Tps. 9 & 10 S. R 1 E.
R 1 W. marked
T. 9 S. S. 31 on N. E.
R 1 E. S. 6 on S. E.
T. 10 S. S. 1 on S. W. and
R 1 W. S. 36 on N. W. faces,
with 6 notches on each edge,
dug pits 24 + 18 + 12 ins. length-
wise on each line N. S. E & W.
of post 6 ft. dist. and raised
a mound of earth 2½ ft. high
5 ft. base around post.
Land level
Soil 2d rate
Dense Mesquite & Catclaw brush.

Sept. 2d 1883

From the Cor to T 9 + 10 S. R 1 E + 1 W
post established 3 mon.
South on Tp 10 S. bet. Secs 1 + 6
Va 13° 20' E.

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

through T. 10 S.

chains

with marked stone 12ins. in the ground, for 1/4 sec. Cor. marked 1/4 S. on W face, dug pits 18 x 18 x 12ins. N & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.

80.00 Set a post 4 ft. long 4 ins. sq. with marked stone 12ins. in the ground for cor. to Secs. 1. 6. 7 & 12. marked T. 10 S. S. 6 on N. E. R 1 E. S. 7 on S. E. R 1 W. S. 12 on S. W. and S. 1 on N. W. faces, with 1 notch on N. and 5 notches on S. edges dug pits 18 x 18 x 12ins. N & S. of post 5 1/2 ft. dist. and raised a mound of earth 2 ft. high

G & S. R. M.

chains	
	4½ft. base around post.
	Land level
	Soil 2d rate
	Venue Mesquite & Catclawbrush
	———
	South bet. Secs. 7 & 12.
	Va 13° 20' E.
40.00	Set a post 3ft. long 3in. sq. with marked stone 12in. in the ground for 1/4 Sec. cor. marked 1/4 S. on W. face, dug pits 18 x 18 x 12in. W & S. of post 5½ft. dist. and raised a mound of earth 1½ft. high 3½ft. base around post.
80.00	Set a post 4ft. long 4in. sq. with marked stone 12in. in the ground for cor. to Secs.

through T. 10 S.

Chains

7. 12. 13 & 18. marked
T. 10 S. S. 7 on N. E.
R 1 E. S. 18 on S. E.
R 1 W. S. 13 on S. W. and
S. 12 on N. W. faces, with 2
notches on N. and 4 notches
on S. edges, dug pits 18 + 18 + 12 ins.
in each sec. 5½ ft. dist. and
raised a mound of earth
2 ft. high 4½ ft. base around
pit.
Land level
Soil 2d rate
Verse Mesquite + Catclawbrush.

South bet. Secs. 13 & 18.
Va 13° 20' E.
4000 Set a post 3 ft. long 3 ins. sq

G + S. R. M.

Chains

with marked stone 12in. in the ground, for 1/4 sec. cor. marked 1/4 S. on W. face, dug pit 18+18+12ins. N. of post 5½ft. dist. and raised a mound of earth 1½ft. high 3½ft. base around post.

80.00 Set a post 4ft. long 4ins. sq. with marked stone 12ins. in the ground, for cor. to Seco. 13. 18. 19 + 24. marked T. 10 S. 18 on N. E. R. 1 E. S. 19 on S. E R 1 W. S. 24 on S. W. and S. 13 on N. W. faces, with 3 notches on N. & S. edges, dug pits 18+18+12ins. in each sec. 5½ft. dist. and raised a mound of earth 2ft. high

through T. 10 S.

chains

4½ft. base around post.
Land level
Soil 2d rate
Dense Mesquite & Paloverde &
Cat claw brush.

South bet. Secs. 19 & 24
Va 13° 20' E.

40.00 Set a post 3ft. long 3ins. sq.
with marked stone 12ins. in
the ground for 1/4 sec. cor.
marked 1/4 S. on W face,
dug pits 18+18+12ins. N & S.
of post 5½ft. dist. and
raised a mound of earth
1½ft. high 3½ft. base around
post.

80.00 Set a post 4 ft. long 4 ins.

G & S. R. M.

chains

eg. with marked stone 12 ins. in the ground for cor. to Secs 19. 24. 25 & 30. marked T. 10 S. S. 19 on N. E. R 1 E. S. 30 on S. E R 1 W. S. 25 on S. W. and S. 24 on N. W. faces, with 4 notches on N. & 2 notches on S. edges, dug pits 18 & 18 & 12 ins. in each sec. 3/2 ft. dist. and raised a mound of earth 2 ft high 4 1/2 ft. base around post.

Land level

Soil 2d rate

Dense Mesquite & Catclaw brush.

South bet. Secs. 25 & 30.

through T 10 S.

Chains	
	Va 13° 20' E.
40.00	Set a post 2 ft. long, 3 ins. sq. with marked stone 12 ins. in the ground for 1/4 sec. cor.: marked 1/4 S. on W. face, dug pits 18 + 18 + 12 ins. N. & S. of post 5 1/2 ft. dist. and raised a mound of earth 1 1/2 ft. high 3 1/2 ft. base around post.
80.00	Set a post 4 ft. long 4 ins. sq. with marked stone 12 ins. in the ground for cor. to Secs. 25. 30. 31 + 36. marked T. 10 S. S. 30 on N. E. R 1 E. S. 31 on S. E. R 1 W. S. 36 on S. W. and S. 25 on N. W. faces, with 5 notches on N. & 1 notch on S. edges, dug pits 18 + 18 + 12

G & S. R. M.

chains

ino. in each sec. 5½ ft. dist.
and raised a mound of
earth 2ft. high 4½ft. base
around post.
Land level
Soil 1st rate
Dense Mesquite & Catclaw brush.

South bet. Secs. 31 & 36.
Va 13° 20' E.

40.00 Set a post 3 ft. long 3ins.
sq. with marked stone 12ins.
in the ground for 1/4 sec. cor.
marked 1/4 S. on W. face,
dug pits 18 + 18 + 12ins. N. of
of post 5½ft. dist. and
raised a mound of earth
1½ft. high 3½ft. base

through T. 10 S.

chains

around post.

80.00 Set a post 4½ft. long 4 ins. sq. with marked stone 12 ins. in the ground, for Standard Cor. to Sps. 10 S. R 1 E. & R 1 W. marked S. C. T. 10 S. on N. R. 1 E. S. 31 on E. and R 1 W. S. 36 on W. faces, with 6 notches on N. E & W. faces, dug pits 24 x 18 & 12 ins. crosswise on each line N. E. & W. of post 6 ft. dist. and raised a mound of earth 2½ft. high 5 ft. base around post. from which

an Indian Cabin bs S. 80° W. 34 lks dist.

" " " " S. 60° W. 2 37 " "

This point is in the Indian Village of Santa Rosa.

G & S. R. M.

chains

there are a few mudd cabins scattered about. the village is inhabited by the Papago Indians, who are peacable and cultivate some small tracts of land, near this place, which might be called a valley, or a plain. surrounded by Mountains.
Land level
Soil 1st rate
Bush Mesquit & Cats claw brush.

Sept. 4th 1883.

I carefully examined the adjustments of my Solar Transit to-day particularly the Latitude and reversing apparatus and found them correct.

through T. 10 S.

General Description

The Gila & Salt River Meridian bet. the Gila & Salt River Base and the second Standard Parallel South, lays in an extremely dry country and no water is attainable along its entire length except near where it crosses the Southern Pacific R. R. where water can be purchased from the R. R. the crossing of the Estrella Mts is extremely difficult, the soil is mostly 2d rate along the level grounds and a dense growth of

Mesquite, Ironwood, Paloverde, & Greasewood — brushes. covers the entire surface, the survey of the line was accompanied with extreme hardship, owing to the heat and want of water, all men engaged, were nearly prostrated, and completely worn out.

N. S. Dep. Surveyor.

For field notes see Book No 25.

U. S. Surveyor General's Office,

Tucson, Arizona, July 21, 1884

The foregoing Field Notes of the Survey of the

Gila & Salt River Meridian bet. the Gila and Salt River Base Line and the 2d Std. South.
Run book No. 1.

Of the Gila and Salt River Base and Meridian, Arizona, executed by J. B. McLaughlin Deputy Surveyor, under his contract of the 18th day of June, 1884, having been critically examined and the necessary corrections and explanations made, the said Field Notes and the surveys they describe are hereby approve.d

Royal A Johnson
Surveyor General.