

copied  
#

No. 1461

BOOK 1461

Book No. 2.

P. 1

*See Index*

# Field Notes

OF THE SURVEY OF

*The Gila and Salt River  
Meridian through Tps.  
11, 12, 13, 14, 15, 16, 17, 18,  
19 and fractional 20 S.*

No. 1461 BOOK 1461

*Gila and Salt River Base and Meridian*

**ARIZONA.**

By *J. B. McLaughlin* D. S.

Under contract dated *June 1873*.

Survey commenced *Dec. 31st 1873*.

Survey completed *January 1874*.

1461

# Preliminary Oaths of Assistants.

We, James E Pawley John H Cochran  
 and Joe B Liveridge John T Marr jr  
 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 dis-  
 tance 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 accordance with instructions given us in the survey of the  
 G. & S. R. M. through Tps. 11, 12, 13, 14, 15, 16, 17, 18, 19 & 20  
 R. The 3rd Stand & through Rs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 18  
 and 19. The 2nd guide meridian E through Tps. 21, 22, 23  
 and 24. The 4th Stand & through R. 18, 19, 20,  
 21 and 22 E. The 2nd guide meridian E  
 through Tps. 21, 22, 23 and 24 S. and  
 through Tps. 16, 17, 18, 19 & 20 S.

of the <sup>gov. R.</sup> principal base and meridian in the Territory of Arizona.

James E. Pawley John H. Cochran Chainman.

Joe B Liveridge John T. Marr jr Chainman.

Subscribed and sworn before me, this 28<sup>th</sup>

day of December 1883.

J. B. McLaughlin  
 Notary Public.

We Tom Cliphart Frank J Hardy  
 & John C Smith

do solemnly swear that we will well and truly perform the  
 the duties of axemen and flagman

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 G. T. S. R. M. through Tps. 11, 12, 13, 14.

15, 16, 17, 18, 19 & 20 S. The 3rd. Stand. S. through Rb.

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 18 & 19 E. The 2nd. guide Mer-  
 idian E. through Tps. 21, 22, 23 and 24 S. The 4th Stand. S.

through Rb. 18, 19, 20, 21 & 22 E. The 2nd. Guide Mer. E. through  
 Tps. 16, 17, 18, 19, 20, 21, 22, 23, and 24 S.

of the principal base and meridian in the Territory of Arizona.  
 G. S. River

Tom Cliphart axeman  
 Frank J Hardy "  
 John C. Smith flagman

Subscribed and sworn to before me this 28<sup>th</sup>

day of December 1883

J. B. McLaughlin  
 Notary Public.

The instrument used in  
running the Principal  
Meridian through Sp. 11, 12,  
13, 14, 15, 16, 17, 18, 19 and  
a part of 21<sup>st</sup> was a  
Patent Gurley Transit made  
By H. & D. E. Gurley of  
Troy N.Y. It was carefully  
adjusted it before  
commencing work  
and found it to  
agree with the true  
meridian established at  
Tucson.

*Index*

The Principal Meridian through Twp. 11 S. Range. 1 to 12  
 " " " " " 12 S. " 13 to 20  
 " " " " " 13 S. " 21 to 28  
 " " " " " 14 S. " 29 to 37  
 " " " " " 15 S. " 38 to 46  
 " " " " " 16 S. " 47 to 53  
 " " " " " 17 S. " 54 to 63  
 " " " " " 18 S. " 64 to 72  
 " " " " " 19 S. " 73 to 81  
 " " " " " 20 S. " 82 to 85

*1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12.*

1	136	121	61	29	61	38	86	147	61	54	64	75	82
12	12	12	12	12	12	12	12	12	12	12	12	12	12
3	10	22	30	39	48	55	71	26	57	29	47		
7	7	7	7	7	7	7	7	7	7	7	7	7	7
13	13	13	13	13	13	13	13	13	13	13	13	13	13
5	16	23	31	40	49	56	66	75					
18	18	18	18	18	18	18	18	18	18	18	18	18	18
24	24	24	24	24	24	24	24	24	24	24	24	24	24
7	17	24	32	42	49	57	67	76					
19	19	19	19	19	19	19	19	19	19	19	19	19	19
25	25	25	25	25	25	25	25	25	25	25	25	25	25
9	18	25	34	43	50	59	69	78					
30	30	30	30	30	30	30	30	30	30	30	30	30	30
36	36	36	36	36	36	36	36	36	36	36	36	36	36
10	19	27	35	45	51	60	70	79					
31	31	31	31	31	31	31	31	31	31	31	31	31	31

*March*

No. 1461

The Principal Meridian through  
Twp. 16 S. R. 1 E. S. 1 N. J. & S. R. W.

Chains From the Standard Cor.  
to Twp. 16 S. R. 1 E. S. 1 N.  
which is a post properly  
marked and noticed  
recently established by me, <sup>the Indian</sup>  
Name S. lat. Sec. 156  
Va 13° 18' E.

- \$00 Leave indian village
- 12.00 Enter dense catclaw and  
mesquite brush
- 4000 Set a post 3 ft. long 3 ins  
sq. with marked stone  
12 ins. in the ground  
for 14 Sec. Cor. marked  
114.50 on N. face dug pits  
18 x 18 x 12 ins. N. & E.  
of post 5 1/2 ft. dist.  
and raised a  
mound of earth  
1/2 ft. high 8 1/2 ft. base

# The Principal Medicines

Chavis	around post.
45000	Dry wall 10 lbs. wide No. N. 2. begin gradual ascent
5000	Set a malpais rock 12 x 10 x 8 ins. 8 ins. in the ground for test. To Test 1.6. 7 and 8 marked with 1 notch on N. and 5 notches on S edges. and raised a mound of stone alongside. Pit upractic the from which a pale verde 4 ins. in diam. No. N. 3. N. 38 lbs. dia. marked T. 11 S. B. 1 N. S. 1 B. T. No other trees within sight

through Feb. 11 L.S.

Chain surface level  
 Soil ind. rate  
 Some cat's paw, mesquite  
 Palo verde and greasewood  
 Bush.

---

J. Feb. Sec. 7 & 12  
 Var 13° 18' E.

32.71 Round gradually  
 Dry wash 20 to 30 wide  
 to N.E. and ascend  
 abruptly over foot  
 of mountain

40.00 Set a mappin rock  
 15 x 5 x 6 ins 1 2 ins. in  
 the ground for "14  
 Sec. Cor. marked  
 "14 on N. face and  
 raised a mound  
 of stone along side



## The Principal Meridian

Chains	Pts unpractised Altitude 2210 ft.
40.00	Top of point of mt. to E. & W. ascends to the N. and descends to the E. and descend altitude 2020 ft.
54.50	Dry wash 60 links wide to E. Altitude 2175 & ascend
68.00	Dry wash 40 links wide to N.E. and ascend
78.00	Top of mt. ridge to E. & W. and descend Altitude 2400 ft.
80.00	Set a walrus rock 2 x 2 x 10 ins 18 ins. in the ground for Cor. to Sec. 7, 12, 13 & 18 marked with 4 notches on S. and 2 notches on N. edges. and raised a mound of stone along side.

## Savage Is. II S.

Chairs

Pk. impracticable  
 From which a pale verde  
 4 hrs. in diam. to  
 N. 20° E. 70 miles dist.  
 marked S. II S. & 1 E.  
 S. 70° E. No other trees  
 within limits  
 Surface mountainous  
 Soil 3 in. wet  
 Dense cats claw pale verde  
 and grasswood brush

S. lat. Dec. 13 and 15  
 Var. 13°/16° E.

D. is ending

14.00

Foot of mt. enter valley

Altitude 2110 ft.

25.84

Dry wash 80 lbs wide  
S. E.

40.00

Set a malpais rock

## The Principal Mordidae

Chunio

12x10x6 ins. 8 ins. in  
 the ground for "4  
 Sec. loc. marked  
 "4 on N. face and  
 raised a mound  
 of stones alongside  
 pit: impracticable  
 From which a pale rock  
 5 ins. in diam.  $\text{Tr. S. } 87^{\circ} \text{ W.}$   
 78 links dist. marked "4  
 S. B. 5. No other trees  
 within limit around

4900

Top of butte and down  
 Altitude 2815

6700

Foot of butte

8000

Set a malpais rock  
 14x10x6 ins. 9 ins. in  
 the ground for  
 loc. to Sec. 13. 18. 1902 &  
 marked with 3

through T<sub>11</sub> S.

Chairs notches on N. and  
S. edges; and raised  
a mound  
stone along side  
Pebbles impracticable  
Surface rolling  
Soil Ld. red  
Dense greasewood, cats claw  
and Palo verde brush  
Some grass

---

S. lat Sec. 19024  
Va. 130° 15' E.

Along foot of mts

88.00 Dry wash 80 lbs. wide  
Sec. E.

40.00 Malpais rock 14x10x6 ins.

9 ins. in the ground  
for "4 Sec. Sec.  
marked "4 on N. face

## The Principal Meridians

Chains

and raised a mound  
of stone alongside  
Pit impracticable

75.00

Dry wash 80 lbs. with  
Geo. C.

80.00

Set a malpais rock  
10 x 10 x 6 ins. 7 ins.  
in the ground  
for Cor - to Seco,  
19.24.25800 marked  
with 2 notches on S.  
and 4 notches on N.  
edges and raised  
a mound of  
stone alongside.  
Pit impracticable  
Surface rolling  
Sail 3rd. rate  
Down bank

---

through the 11 S.

Chairs

S. Fat. Sec. 2580

2a 130° 15' E.

970 Dry wash 15 lbs. wide  
Sec. E.

4090 Set a malpais rock  
16 x 12 x 6 ins. 11 ins. in  
the ground for  
114 Sec. cor. marked  
114 on N. face and  
raised a mound  
of stone alongside  
Pit's in practice.

4520 Dry wash 30 units  
with cor. H.

4840 Dry wash 110 lbs. wide  
Sec. E.

8000 Set a malpais  
rock 14 x 10 x 6 ins.  
9 ins. in the ground  
for cor. to Sec. 2580.

## The Principal Meridian

Chains

8 and 36 marked with  
 1 notch on S. and  
 5 notches on N. edges,  
 and varied  
 amount of stone  
 alongside.

*Peb. subquadrata*

Surface rolling

Soil sand. red

Dense grasswood cat claw  
 palo verde and cholla  
 Poor grass

S. lat. Sec. 21 & 26

74. 13° 15' E.

26. 87

Dry wash 25 lbs. with  
 clay E.

40.00

Set a maffais rock  
 16 x 12 x 5 ins. in  
 the ground for

through Feb. 15 S.

Chain

114 Sec. Cor. marked  
 14 on N. face and  
 raised a mound  
 of stone alongside.

*Pib. unpractica* th

8000

Set a malpais rock  
 18 x 14 x 8 ins. 12 ins.

in the ground for  
 Cor. to Feb. 15 12 S.

As. 1 E. & 1 N. marked  
 with catches on  
 each edge and raised  
 a mound of  
 stone alongside.

*Pib. unpractica* th

Surface rising

Soil 2nd. rate

Dune mesquite  
 cat's claw and  
 greewood bush



The Principal Meridian through  
 Feb. 11 S.

Churns

about 1 mile east of  
 Fort.

Altitude 2600 ft.

The first part of this  
 6 miles is mountainous  
 the remainder level  
 and rolling with  
 dense catclaw palo verde  
 and greasewood brush  
 The soil is about 2nd  
 rate.

The Principal Mexican  
Chains Through Tps. 12 S.

From the cor. to Tps.  
11 and 12 S. Rs. 1 E. 5 / 11.

Just established a run  
S. lat. Secs. 1 and 6  
N. 13° 15' E.

Through dense brush along  
foot of mt.

9.50 Dry wash 15 links wide  
lev. H.

14.72 Dry wash 60 links wide  
lev. E.

28.90 Dry wash 40 links wide  
lev. H.

4000 <sup>at Malpais Stone</sup> 12 x 40 x 6 ins. 8 ins.

in the ground for  
114 sec. cor. marked  
114 on N. face and  
raised a mound  
of stone along with  
Pito insensateable

# The Principal Meridian through Chains

- |       |   |
|-------|---|
| 40.77 | Dry wash 60 links wide<br>lev. C.   |
| 59.48 | Dry wash 40 links wide<br>lev. H.   |
| 75.00 | Dry wash 80 links wide<br>lev. C.   |
| 80.00 | Set a malpais rock<br>15x12x7 ins. 12 ins. in the<br>ground for lev. to<br>S. 16.7 and 12 marked<br>with 5 notches on J<br>and 1 notch on K<br>edges and raised<br>a mound of<br>stone alongside.<br>Path impracticable<br>Surface raising<br>Soil rocky 3rd rate<br>Dense greasewood and<br>mesquite brush |

Feb 12 S.

Chains

South Pt. Secs. 7 and 12  
 Twp. 13<sup>s</sup> 15<sup>e</sup> E.

2473

Dry wash 15 links wide  
 Sec. S.E.

4040

Set a Malpais rock  
 15 x 10 x 10 ins. 12 ins. in  
 the ground for "4  
 Sec. loc. marked  
 "4 on N. face, and  
 raised a mound  
 of stone at base  
 Pk. impracticable

4810

Dry wash 15 links wide  
 Sec. S.E.

5000 Set Malpais rock 12 x 10 x 6 ins  
 8 ins. in the ground  
 for loc. to Secs. 7, 12, 13  
 and 15 marked with  
 4 notches on S. and  
 2 notches on N. edge

# The Principal Meridian through Chains

and raised a  
mound of sand alongside  
Pit's impracticable  
Surface rolling  
Toll 2d. rate  
Dunn greenwood and  
mesquite fence

South lat. Sec. 3 and 18  
Va. 13° 15' E.

37.52 Dry wash 16 links wide  
Co. E.

40.00 Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for  $\frac{1}{2}$  Sec. Cor,  
marked  $\frac{1}{2}$  S. on W. face, dug pits 18 x 18 x 12  
ins. N. and S. of post  $5\frac{1}{2}$  ft. dist. and raised  
a mound of earth  $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. around  
post.

90.00 Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins, in the ground for Cor. to Secs,  
13/8, 19 & 24 marked T. 12 S. 18 on  
N. E. R. 16 S. 19 on S. E. R. 14 S, 24 on

Apr. 12 S.

Chains

S, W, and S. 1/3 on N, W, faces with 3 notch on S, and 3 notch on N edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high. 4 1/2 ft. base. around post.

Surface rolling  
Soil 2nd. rate

Dune grass wood and  
Palo Verde brush

South Gate Sec. 19 24  
W. 13° 15' E.

44.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for 1/4 Sec. Cor, marked 1/4 S. on N face, dug pits 18 x 18 x 12 ins. N and 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.

57.35

Road for N. E. & S. W.

80.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor. to Secs, 19 24, 25 & 26 marked T. 125 S. 19 on

# The Principal Meridian

## Chains

N. E. R. / E S. 20 on S. E. R. / W. S. 25 on  
S, W, and S, 24 on N, W, faces with 2 notch  
on S, and 4 notches on N 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.

Surface level

Soil sandy sub. rite

Dwarf greasewood and  
cats claw brush

Altitude 2000

South lat. Dec. 25 50°  
Va. 10° 15' E.

4000

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for ¼ Sec, Cor,  
marked ¼ S. on N. face, dug pits 18 x 18 x 12  
ins. N. and S. of post 5½ ft. dist. and raised  
a mound of earth 1½ ft. high. 3½ ft. base. around  
post.

8000

Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins, in the ground for Cor, to Secs,  
25.30.31 526 marked T. / 10. S. 00 on

Through Twp. 10 S.

Chain

N. E. R. 18 S. 31 on S. E. R. 1 N. S. 26 on  
S. W. and S. 25 on N. W. faces with 1 notch  
on S. and 5 notch on N. 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.

Surface level

Soil 1st rate

Dense grasswood and  
sawtooth brush

About center of valley which  
is about 1/2 mile wide

South 1st. Sec. 21 186

Twp. 10 S. 10 E.

4000

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for ¼ Sec, Cor;  
marked ¼ S. on W. face, dug pits 18 x 18 x 12  
ins. N. and S. of post 5½ ft. dist. and raised  
a mound of earth 1½ ft. high. 3½ ft. base. around  
post.



# The Principal Meridian through Feb. 12 1853 Paris

80.00

Set a post  $2\frac{1}{2}$  ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. to  $5^{\text{th}}$  12 1853  
S. R. 1 E. 1 W. marked T. 1 2 S. S. 31 on  
N. E. R. 1 E. S. 6 on S. E. T. 1 3 S. S. 1 on S. W.  
R. 1 W. S. 36 on N. W. faces with 6 notch  
in on each edge. dug  
pits 24 x 18 x 12 ins. high in on each side  $6^{\text{th}}$  dist.  
and raised a mound of earth  $2\frac{1}{2}$  ft. high. 5 ft.  
base. around post.

## Surface level

Said 1st rate

Dune grasswood and  
eat claw brush

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

December 31st 1853

Through Feb 13 S.

Lines

From the Cor. to Feb 12 513  
 S. R. 1 E. and 1 N. just estab-  
 lished by me. I run  
 South bet. Secs. 1 and 6  
 Va.  $10^{\circ} 15' E$ .

500

Bump 2 chs. N. of line  
 Water about 60 chs. S.E.

4000

Set a post 3 ft. long 3 ins. diam with marked  
 stone, 12 ins, in the ground for 1 Sec. Cor.,  
 marked  $\frac{1}{4}$  S. on W face, dug pile 18 x 18 x 12  
 ins. N, and S of post  $5\frac{1}{2}$  ft. dist. and raised  
 a mound of earth  $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. around  
 post.

8000

Set a post 4 ft. long 4 ins. square, with marked  
 stone, 12 ins, in the ground for Cor. to Secs,  
 $7.67 \pm 12$  marked T. 10 S. 6 on  
 N. E. R. 1 E S. 7 on S. E. R. 1 N. S. 12 on  
 S, W, and S, 1 on N, W, faces with  $\delta$  notch  
 on S, and 1 notch on N edges, dug  
 pits 18 x 18 x 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. around post.

The Principal Men and  
Lands

Surface level  
Soil 1st rate  
Dense grasswood and  
mosquito-bush  
Good valley land the  
last 4 miles  
Grass Land

South 4th Sec. 7 and 12  
T<sub>2</sub> 13<sup>00</sup> 15<sup>00</sup> E.

40.00

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor,  
marked  $\frac{1}{4}$  S. on N. face, dug pits 18 x 18 x 12  
ins. N. and S. of post 5 $\frac{1}{2}$  ft. dist. and raised  
a mound of earth 1 $\frac{1}{2}$  ft. high 3 $\frac{1}{2}$  ft. base. around  
post.

67.93

Indian trail bet. N.E.  
and S.W.

68.60

Dry wash 80 links wide  
bet. S.W.

Throught Tps. 13  
 Chain

9000

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins, in the ground for Cor. to Secs, 7, 12, 18 & 18 marked T. 13 S. on N. E. R. 1 E. S. 15 on S. E. R. 1 W. S. 13 on S. W. and S. 12 on N. W. faces with 4 notch W on S, and 2 notch W on N edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base. around post.

Surface level  
 Soil 1 st. rate  
 Dense mesquite catalpa  
 and greasewood brush  
 Good grass altitude 1750

South Tot. Secs. 13 and 18  
 Tn. 10° 10' E.

630-

Road for N. E. & S. W.

4172

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins, in the ground for 1/4 Sec, Cor, marked 1 S. on W face, dug pits 18 x 18 x 12 ins. N and E 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.

# The Principal Meridian

## Chains

8000

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor. to Secs. 13, 18, 19 and 24 marked T. 13 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. face with 3 notch on S. and 3 notch on N. edges, dug pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high. 1 1/2 ft. base. around post.

Surface level

Soil first rate

Dense mesquite, cat's claw  
and granewood brush

Grass fair

South 1/2 Sec. 19004

T. 13 S. 18 E.

4000

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for 1/2 Sec. Cor. marked 1/2 S. on W. face, dug pits 18 x 18 x 12 ins. N. and 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.

Through Tds. 13 S.

Rain

8000

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor. to Sees, 19.24, 25-30 marked T. 13 S. 19 on N. E. R. 16. S. 30 on S. E. R. 17 S. 25 on S. W. and S. 24 on N. W. faces with 2 notch ~~in~~ S. and 4 notch ~~in~~ on N. edges, dug pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. dist. and raised a mound of earth 2 ft. high. 4 1/2 ft. base. around post.

Surface level

Soil and water

Dune may with ~~at~~ claw  
and grasswood brush  
Altitude 1500

South- West. Sec. 25500

Va. 13° 15' E

4000

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for 1 Sec. Cor. marked 1 S. on N. face, dug pits 18 x 18 x 12 ins. N and 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.

# The Principal Meridian Chains

8000

Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor to Secs,  
25.30.81836 marked T 13 S. 00 on  
N. E. R. 1 E. S. 31 on S. E. R. 1 W. S. 06 on  
S. W. and S. 25 on N. W. faces with 1 notch  
on S, and 5 notch on N edges, dug  
pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.  
and raised a mound of earth 2 ft. high, 4 1/2 ft.  
base. around post. from which a

mesquite tree 4 ins. in diam.  
to. S. 87° E. 25 lbs. dist. marked  
T. 10 S. R. 1 E. S. 31 B. 5

A mesquite tree 8 ins. in  
diam. to. N. 50 W. 85 lbs  
dist. marked T. 10 S. R. 1 W.  
S. 25 B. 5 No other trees  
within limit

Surface level

Soil and rate

Some mesquite catclaw  
and greasewood brush

Through Tps. 13 and 14  
Chains

South lat. Sec. 3 and 26

No. 18015'E

4000 Set a post 3 ft. long 3 ins. diam. with marked  
stone, 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor.  
marked  $\frac{1}{4}$  S. on W face. dug pits 24 x 18 x 12  
ins. N. and S. of post  $\frac{1}{2}$  ft. apart and raised  
a mound of earth  $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base around  
post.

4600 Indian Trail to N.W. S.E.

71.82 Dry mark 15 lbs. wide  
Sec. 4 N.

8000 Set a post  $4\frac{1}{2}$  ft. long  
4 ins. sq. with marked  
stone 12 ins. in the ground  
for cor. to Tps. 18014 S.

R. 10. S. 1 W. marked T. 138.

S. 21 on N.E. R. 1 E. S. 6 on S.E.

T. 14 S. S. 1 on S.W. and R. 1 W.

S. 26 on N.W. face. with  
6 notches on each edge.  
dug pits 24 x 18 x 12 ins.



The Principal Meridian  
 through ~~the~~ 13<sup>th</sup>.  
 Lines

lengthwise on each line  
 N. 1. E. 8 N. of post 6 ft.  
 dist. and found a  
 mound of earth 2 1/2 ft.  
 high 5 ft. base around  
 post. from which  
 a mesquite tree 5 in.  
 in diam. fr. N. 64° W.  
 17' limbs dist. marked.  
 S. 13° E. 1 N. S. 36° E. 1'  
 No other trees within  
 limbs

Surface level  
 Soil 2nd. with  
 Dense mesquite catclaw  
 and gumwood brush  
 Altitude 750

---

Through Sep. 14 S.  
Lains

From the cor. to Sep. 10<sup>th</sup> 1851  
S. Co. 10. 51 N. just established  
by me. I run South  
1/2 Sec. 1 and 6

Ya. 130851 E.

11.00 Indian trail to N. W. cor.

10.01 Indian trail to N. E. cor.

40.00  
Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for 1/4 Sec. Cor,  
marked 1/4 S. on N. face, dug pits 18 x 18 x 12  
ins. N. and 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.

50.00  
Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins, in the ground for Cor. to Secs.  
1, 6, 7, 12 marked T 145. 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 5 notch  
on S, and 1 notch on N edges, dug  
pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.  
and raised a mound of earth 2 ft. high. 4 1/2 ft.  
base. around post.

# The Principal Meridian Chain

Surface level  
Soil and water.  
Dense mesquite,  
cat's claw and grass-  
wood brush

South lat. Sec. 7 5 12  
R. 100 15 E.

40,00

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for  $\frac{1}{2}$  Sec. Cor.  
marked  $\frac{1}{2}$  S. on N. face, dug pits 18 x 18 x 12  
ins. N. and S. of post  $5\frac{1}{2}$  ft. dist. and raised  
a mound of earth  $1\frac{1}{2}$  ft. high.  $8\frac{1}{2}$  ft. base. around  
post.

80,00

Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for  $\frac{1}{2}$  Sec. Cor.  
7.12.18 5 18 marked T. 14 S. S. 7 on  
N. E. R. 1 E. S. 18 on SE. R. 1 X S. 12 on  
S. W. and S. 1 on N. W. face with  $\frac{1}{2}$  notch  
on S. and 2 notch W on N. edges, dug  
pits 18 x 18 x 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. around post.

Through Tr. 14 S  
 Raisin

from which a mesquite  
 3 ins. in diam. to. S. 40 N. 89 links  
 dist. marked T. 14 S. R. 1 N.  
 S. 13. B. 5. No other trees  
 within limits.

Surface level  
 Soil 2nd. rate  
 One mesquite, cat's claw  
 and greenwood brush  
 No grass

South 1st. Sec. 13 & 18  
 Va. 100 10' 0"

81 A mesquite 3 ins. in diam.  
 on line

40.00

Set a post 3 ft. long 3 ins. diam with marked  
 stone, 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor.  
 marked  $\frac{1}{4}$  S. on N. face, dug pits 18 x 18 x 12  
 ins. N. and S. of post  $5\frac{1}{2}$  ft. dist. and raised  
 a mound of earth  $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. around  
 post.

# The Principal Meridian Chains

- 7696 Dry wash 20 links wide  
S. N.
- 8000 Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. 14 Secs.  
19, 24, 18 & 18 marked T. 14 S. S. 18 on  
N. E. R. 1 E. - S. 19 on S. E. R. 1 W. S. 24 on  
S. W. and S. 18 on N. W. face with 3 notch  
on S. and 3 notch on N. edges, dug  
pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.  
and raised a mound of earth 2 ft. high 4 1/2 ft.  
base. around post.
- Surface level  
Soil 1st row
- Dune mosquito cat chains and  
grasswood brush
- 
- South lat. Secs. 19 & 24  
Va. 13015' E
- 34.20 Dry wash 10 links wide  
S. N.
- 39.60 Dry wash 12 links wide

Through L Feb. 14 S.

Chains

Co. N.

40.00

Set a post 3 ft. long 4 ins. diam with marked stone, 12 ins. in the ground for 1 Sec. Cor. marked  $\frac{1}{2}$  S. on N. face, dug pits 18 x 18 x 12 ins. N. and S. of post  $5\frac{1}{2}$  ft. dist. and raised a mound of earth  $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. around post.

51.90

Dry wall 12 links wide Co. N.

73.86

Dry wall 15 links wide Co. N.

80.00

Dry wall 12 links wide Co. N.

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor. to Secs. 1, 2, 4. 20-100 marked T. 1 S. 19 on N. E. R. 1 E. S. 30 on S. E. R. 1 Y. S. 25 on S. W. and S. 24 on N. W. face with 2 notch on S. and 4 notch on N. edge, dug pits 18 x 18 x 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. around post.

Synfaa level  
Roll 2nd. rate

Down grasswood and cats claw brush

# The Principal Murrain Chairs

South lat. Sec. 25-30

24. 13015' E.

- |        |  |
|--------|--|
| 2.67   | Dry work 10 links wide Sec. N.   |
| 5.74   | Dry work 16 links wide Sec. N.   |
| 13.76  | Road bet. E. & N.  |
| 22.89  | Dry work 30 links wide Sec. N.   |
| 40.00  | Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the corner of the $\frac{1}{2}$ Sec. Cor. marked $\frac{1}{2}$ S on N. face, diameter 18 x 12 ins. N. and S. of post $\frac{1}{2}$ ft. dist and raised a mound of earth $1\frac{1}{2}$ ft. high, $3\frac{1}{2}$ ft. base, around post. |
| 44.61  | Dry work 10 links wide Sec. S. N.  |
| 57.73  | Dry work 20 links wide Sec. N.   |
| 76.00. | Dry work 40 links wide Sec. N. N.  |
| 80.00  | Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the corner of the Cor. to Secs. 25. 30. 21. 526 marked T. 14 S. S. 20 on  |

Through Top & S  
Lans

N. E. 1/4 E, 21 on P.E. R. 1 W, S. 36 on  
S. W. and S. 25 on N. W. face, with 1 notch  
on S. and 5 notch on W. edge, dug  
pits 18 x 18 x 12 ins. each Sur. 6 1/2 ft. dist.  
and raised a mound of earth 2 ft. high. 4 1/2 ft.  
base. around post.

Surface level

Soil end note

Dune ground in meadow  
and Palo Verde track

Grass foot

South bet Sur. 21006

Va. 13° 15' E.

2342

Road to E. + W

2849

Dry wash 20 links with Co. N.

4000

Set a post 3 ft. long 3 ins. diam 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. and S. of post 2 1/2 ft. dist. and raised  
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around  
post.



## The Principal Meridian

## Lines

64.68 Day work 15 links with  
sq. 7.

5000 Set a post  $4\frac{1}{2}$  ft. long  
4 ins. sq. with marked  
stone 12 ins in the ground  
for Cor. to Ops. 14 & 15  
S. R. 1 E. 5 1 N. marked  
D. 14 S. S. 31 on N. E. R. 1 E.  
S. 6 on S. E. T. 15 S. S. 1  
on S. N. and R. 1 N.  
S. 36 on N. N. face  
with 6 notches on  
each edge. dug  
pit  $24 \times 18 \times 12$  ins.  
lengthwise on west  
side N. S. E. & N. of  
post 6 ft. dist. and  
raised a mound  
of earth  $2\frac{1}{2}$  ft.  
high 5 ft. base

Througk Feb. 14 S.

Haino

around post.  
from which a mesquite  
tree in diam to 42" H.

179 links dist-marked S. 15 S  
R. N. S. 1 a. 5

No other trees within limits

Altitude 1800

Surface level

Soil ind. note

Dense mesquite and  
greasewood brush

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

January 1st 1884

# The Principal Meridian Chains

From the cor. to Twp. 14 R. 15  
S. R. 1 E. 51 7/8. just  
established by me,  
I run South 87. S. 20.  
1 and 6  
Va. 10° 15' E.

30.41

Dry mark 30 links wide  
Sec. 8 W.

40.00

Set a post 3 ft. long 4 in. diam with marked  
stone, 12 ins. in the ground for Cor.  
marked 4 S. on <sup>W</sup> face, due N. 16 x 18 x 12  
ins. or. and 1 of post 3 ft. long and raised  
a mound of earth 1 1/2 ft. high, 3 1/2 ft. base, around  
post.

68.00

Dry mark 76 links wide  
Sec. W.

80.00

Set a post 4 ft. long 4 in. square, with marked  
stone, 12 ins. in the ground for Cor. to Secs.  
1.6.7 5 12 marked T. 10 S. 6 on  
N. E. R. 1 E. S. 7 on S. E. R. 17 1/2 S. 2 on  
S, W, and S, 1 on N, W, faces with 5 notch  
non S, and 1 notch on N edges, dug

Through Feb. 15 S.

Kanso

pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.  
and raised a mound of earth 2 ft. high 4 1/2 ft.  
base around post.

Surface level

Soil 1st rate

Dense greenwood and  
muyile bush

South bet. Sec. 7 & 12  
No. 15° 15' E.

10.55 Dry wash 16 links wide  
E. of N.

19.50 Dry wash 30 links wide  
E. of N.

44.00 Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for 1/4 Sec. Cor.  
marked 4 S. on N. face, and pits 18 x 18 x 12  
ins. N. and 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  
muyile tree 6 ins. in

# The Principal Meridian Lines

Line to S 83° E 44 links  
dist. marked 114 S. 35.  
No other trees within limits

8000

Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. to Secs.  
7.12.13 & 18 marked T 15 S. S 7 on  
N. E. R 1 E. S. 18 on S. E. R. 1 Y 8 13 on  
S. W. and S. 12 on N. W. faces with 4 notch  
on S. and 2 notch on N. edges, dug  
pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.  
and raised a mound of earth 2 ft. high 4 1/2 ft.  
base. around post.

Surface level

Soil sub. rate

Dense greenwood catclaw  
and mosquito brush

South lat. Secs. 13 & 18  
N. 13° 15' E.

4000

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for 1 Sec. Cor.,  
marked 1 S. on N. face. dist. pits 18 x 18 x 12

Through Feb. 15. S.  
Chains

ins.  $4 \frac{1}{2}$  dist. of post  $3 \frac{1}{2}$  ft. dist. and raised  
a mound of earth  $1 \frac{1}{2}$  ft. high.  $3 \frac{1}{2}$  ft. base. around  
post.

40.65 Dry walk 15 links with Co.  
S. H.

49.00 Dry walk 30 links with  
Co. H.

65.00 A Papago Indian village  
E. of hill S. H.

71.70 Dry walk 8 links with Co. H.

80.00 Set a post 4 ft. long 4 ins. square, with marked  
stone, 18 ins. in the ground for Cor. to Secs.,

13, 18, 19 & 24 marked T 15 S. S. 18 on  
N. E. R. 1 E S. 19 on S. E. R. 17 & 24 on

S, W. and S, 13 on N, W. faces with 3 notch  
in S, and 3 notch in on N edges, dug

pits 18 x 18 x 12 ins. in each Sec., 54 ft. dist.  
and raised a mound of earth 2 ft. high.  $4 \frac{1}{2}$  ft.

base. around post.

from which  
a survey 4 ins. in diam.  
to S. S. W. 54 links dist.

# The Principal Meridian Lains

marked T. 15 S. R. 7 N. S.  
24 B. T. No other trees  
within limits

Surface level.

Soil red. note

Dense grasswood and  
mesquite bush

South lat. Dec. 1902  
Va. 13° 15' E.

4000

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in diameter for 1 Sec. Cor.  
marked  $\frac{1}{2}$  S. on N. face. Set the 15 x 18 x 12  
ins. Cr. and S. of post 5  $\frac{1}{2}$  ft. dist. and raised  
a mound of earth 1  $\frac{1}{2}$  ft. high. 3  $\frac{1}{2}$  ft. base. around  
post. from which a

mesquite 7 ins. in diam  
to Cr. 78° N. <sup>39 dles dist</sup> marked

114 S. B. T. no other  
trees within limits

Through Feb. 15 S.

Chains

50.00

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor. to Seas, 19.24, 25880 marked S. 11 $^{\circ}$  N. S. 19 on N. E. R. 1 E. S. 30 on S. E. R. 1 N. S. 25 on S. W. and S. 24 on N. W. face with  $\angle$  notch      on S. and  $\angle$  notch      on N. edges, dug pits 18 x 18 x 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. around post.

Surface level

Salt sub. rate

Dense greasewood and mesquite brush

South bet Sec. 25880

N. 18 $^{\circ}$  15' E.

40.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor. marked  $\frac{1}{4}$  S. on N. face, dug pits 18 x 18 x 12 ins. N. and S. of post 5 $\frac{1}{2}$  ft. dist. and raised a mound of earth 1 $\frac{1}{2}$  ft. high. 3 $\frac{1}{2}$  ft. base. around post.



# The Principal Meridian Chains

8000

Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. to Secs,  
20:30.31+36 marked T. 15 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 / notch  
on S. and - notch on N edges, dug  
pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.  
and raised a mound of earth 2 ft. high 4 1/2 ft.  
base. around post. from which a  
mesquite tree 7 ins. in  
diam. to. cr. 40° E. 71 links  
dist. marked. T. 15 S. R. 1 E.  
S. 30 B. T. A mesquite  
tree 5 ins. in diam. to.  
S. 46 W. 75 links dist. marked  
T. 15 S. R. 1 W. S. 36 B. T.  
A mesquite tree 6 ins. in  
diam. to. N. 56° W. 38 links  
dist. marked T. 15 S.  
R. 1 W. S. 25 B. T. no other  
trees within limits -

Through Tpo. 15-S  
Hains

Surface level  
Dil. sub. mt  
Dune mossy vine and  
Yucca wood bush

South lat. of low. of 1806  
26. 20' 10" E

4000

Set a post 8 ft. long 2 ins. diam with marked  
stone, 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor.  
marked  $\frac{1}{4}$  S. on  $\frac{1}{4}$  face. Also pits 18 x 18 x 12  
ins. N. and S. of post 54 ft. dial and raised  
a mound of earth 1  $\frac{1}{2}$  ft. high. 3  $\frac{1}{2}$  ft. base around  
post.

8000

Set a post 4  $\frac{1}{2}$  ft. long  
4 ins. sq. with marked  
stone 12 ins. in the ground  
for <sup>Stone</sup> Cor. to Tpo. 15-S S. Sec.  
1 E. or 1 W. marked S. B.  
T. 15 S on N. R. 1 E. S. 21 on E. T. 15 S  
and R. 1 W. S. 26 on N. face  
with 6 notches on N. E. & W.

The Conceptual Meridian  
 through Tps. 15 S.  
 Chain

four. dug pits  $24 \times 18 \times 12$   
 ins. cross wire on each  
 line N. ~~W.~~ E. S. W. of post  
 6 ft. dist. and buried  
 a mound of earth  $2\frac{1}{2}$   
 ft. high 5 ft. base  
 around post  
 surface level  
 Soil 2nd. rate  
 Dense greasewood and  
 mesquite brush

---

The Principal Meridian  
Through Tps. 15 & 16

Kearney

From the Standard Cor. to  
Tps. 15 & 16 N. R. 16 and 17 W. on  
the Meridian just established  
South lat. Sec. 15 6  
Ta. 150 15 E

4000

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for 1 Sec. Cor.  
marked 1 S. on N face, also pins 11 x 12 x 12  
ins. N and 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. from which a  
Palo Verde 8 ins. in diam.  
No. 4708 38 inches dist.  
marked 14 S. B. 5

No other trees within limits

8000

Set a post 4 ft. long 4 ins. square with marked  
stone, 12 ins. in the ground for Cor. to Sec.  
1.6.7 5 12 marked 1 16 S. 6 on  
N. E. R. 16. 7 on S. E. R. 1 W. S. 12 on  
S. W. and S. 1 on N. W. faces with 5 inch  
in 1 on N. 1 on S. N  
dist.

# The Principal Meridian Lines

and raised a mound of earth 2 ft. high 1 1/2 ft. base around post.

Surface level  
Soil ind. note  
Dura grasswood and  
mesquite bush

South lat. Nov. 78/2  
Va. 100/5'E

40.00

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for 1/4 Sec. Cor. marked 1 S. on W. face, dug pits 18 x 18 x 12 ins. dr. and 1/2 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.

74.00

Indian house about  
centre of village

80.00

Set a post 4 ft. long 4 ins. square with marked stone, 12 ins. in the ground for Cor. to Secs. 7.12.13 & 18 marked I 16 S. 57 on N. E. N. 1 E. S 18 on S. E. R. 1 N. S 13 on S. W. and S. 12 on N. W. face with 4 notch

Through Feb. 16

Quail

was 3, and 2 on N. edge, dug  
pits 12 x 12 x 12 ins. in soil 4 ft. dist.  
and raised a mound of earth 2 ft. high 4 ft.  
base, around post, from which

a mosquito took 5 ins.  
in drain to N. 420 W.

189 limbs dist. marked  
T. 16 S. Q. 1 W. S. 12 B. T.

No other trees within limits

Surface level

Soil 2nd. rate

Dwarf grasswood and  
mesquite brush

South lat. Secs. 18518

Ta. 18210-E

30.08

Trail to N.E. & S.W.

40.00

Set a post 3 ft. long 2 ins. diam with marked  
along 12 ins. in the ground for 1 Sec. One

marked 1 S. on W. side, the pits 12 x 12 x  
12 ins. N. and S. of post 2 ft. dist and raised

# The Principal Meridian Lines

80.00

a mound of earth 2 ft. high 2 ft. base around post.

Set a post 4 ft. long 4 ins. square, with marked stone, 12 ins. in the ground for Cor. to Secs. 13, 18, 19 & 24 marked T. 16 S. 15 on N. E. R. 1 E. S. 19. 5000 E. 5 R. 1 W. S. 24 on S. W. and S. 13 on N. W. faces with 3 notches on S. and 3 notches on N. edges, dug pit 18 x 18 x 12 ins. in each sec., 5 1/2 ft. dist. and raised a mound of earth 2 ft. high 4 1/2 ft. base around post.

from which a mesquite tree 4 ins. in diam. br. N. 4000 E. 3 lbs. dist. marked T. 16 S. R. 1 E. S. 18 B. D. a mesquite tree 3 ins. in diam. br. N. 61° W. 4 links dist. marked T. 16 S. R. 1 W. S. 13 B. D. No other trees within limits. Surface level

Through Feb. 16 S

Chavis

Soil 2nd. rate  
Dense mesquite and  
greasewood brush

South 4th. Secs. 19 + 24  
T<sub>4</sub>, 130 15' E.

40.00

Set a post 2 ft. long 4 ins. diam. with marked  
stone, 12 ins. in the ground for 1 Sec. 19,  
marked 1 S. 16 E. from the pits 18 x 12 x 12  
ins. N. and S. of post 24 ft. dist. and raised  
a mound of earth 1 1/2 ft. high 5 1/2 ft. base. around  
post.

70.00

Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. to Secs.  
19.24.25.30 marked T 16 N. S. 19 on  
N. W. 1 E. S. 30 or S. E. R. 1 W. S. 20 - on  
S. W. and S. 24 on N. W. faces with 2 notch  
on S. and 4 notch on N. edges from  
pits 18 x 12 x 12 ins. in each Sec., 5 1/2 ft. dist.  
and raised a mound of earth 2 ft. high 1 1/2 ft.  
base. around post.

Surface level



The Principal Meridian  
Through Sp. 16 d.  
Lans

Soil 2nd. rate  
Dune musquit and  
Greenwood brush

South Lat. Secs. 25500  
Ta. 13° 15' E.

4000

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins, in the ground for 1 Sec. Cor.  
marked 1 S. on W. face, and 18 x 18 x 12  
ins. N. and S of post 25 ft. dist. and raised  
a mound of earth 1½ ft. high. 3½ ft. base. around  
post.

8000

Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins, in the ground for Cor. to Secs.  
25, 30, 31, 36 marked 16 d. 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. face, and 1 notch  
on S. and 5 notch on N. edges, dug  
pits 18 x 18 x 12 ins. in each Sec. 25 ft. dist.  
and raised a mound of earth 2 ft. high. 4½ ft.  
base. around post.

Surface level

The Principal Meridian  
Chains Through Tps. 16 S.

Soil 2nd. rate  
Dense grasswood and  
mesquite brush

30.

South lat. Secs. 31 and 36  
Va. 13° 15' E.

2095  
4000

Fruit to N.E. of N.

Set a post 3 ft. long 2 in. diam with marked  
above 12 in. to the ground for a Sec. Cor.  
marked 3 on N. From the top of the post 12  
in. N. and S. of post 3 ft. out and raised  
a mound of earth 12 ft. high 2 1/2 ft. base around  
post.

8000

Set a post 4 1/2 ft. long  
4 in. dia. with marked  
stone 12 in. in the  
ground for Cor. to  
Tps. 16 S. 17 S. R. 1 E. or N.  
marked T. 16 S. S. 31 on  
N.E. R. 1 E. S. 6 on S.E.  
T. 17 S. S. 1 on S.N. and  
R. 1 N. S. 36 on N.N.

Principal Meridian  
Through Sta. 160.  
Chains

fence with 6 notches  
on each edge.  
dig pits  $24 \times 18 \times 12$  ins.  
lengthwise on  
each line N. S. E.  
and N. of post.  
6 ft. dist. and  
around a mound  
of earth 24 ft. high  
5 ft. diam. around  
post.

Altitude 1700  
Surface level  
Soil 2nd rate  
Dense grasswood and  
mesquite brush

I carefully  
examined the  
adjustments of

Principal Meridian  
Through No. 16 S.  
China

my Solar Transit-  
to-day particularly  
the latitude and  
reversing apparatus  
and found them  
correct.

January 2nd 1854

# The Principal Meridian Lines

From the Gov. to Secs.  
 16 and 17 S. R. 1 E  
 and 1 W. just established  
 by me. I run  
 South 84° 15' E. 1 and 6  
 Va. 1005' E.

40.00

Set a post 2 ft. long 3 ins. diam with marked  
 stone, 18 ins. in the ground for 4 Secs. Cor.  
 marked 1/4 in N. corner, the pits 18 x 18 x 12  
 ins. N. and 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.

75.63

Tank of water 16 lbs. by  
 2 5 blinks.

80.00

Set a post 4 ft. long 4 ins. square, with marked  
 stone, 12 ins. in the ground for Cor. to Secs,  
 16.7 or 12 marked 1/4 S. 8.6 on  
 N. E. R. 1 E S. 7 on S. E. R. 17 N. S. 12 on  
 S. W. and 1 on S. W. line with 5" notch  
 on S. and 1 notch on N. edges, dug  
 pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.  
 and raised a mound of earth 2 ft. high. 4 1/2 ft.  
 base. around post.

Through Sta. 17 S.  
Lains

Surface level  
Soil succ. rate  
Dense green oak and  
mesquite brush

South tet. Sec. 7 S. 12  
Ta. 130 15' E.

4000

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for V. Sec. 7  
marked 4 S. on N. W. 1/4, 1/4 pits 12 x 12 x 12  
ins. N. and S. of post 2 ft. dist. and raised  
a mound of earth 1 1/2 ft. high 3 1/2 ft. base. around  
post. Altitude 1675 ft

8000

Set a post 3 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. to Sec.  
7. 12. 13 S. 18 marked 7 17 S. 7  
N. E. R. 1 E. 18 on S. E. R. 1 W. S. 13  
S. W. and S. 12 on N. W. 1/4 with 4 notch  
on S. and 2 notch on N. edges, dug  
pits 12 x 12 x 12 ins. in each Sec. 5 1/2 ft. dia  
and raised a mound of earth 2 ft. high 4 1/2 ft.  
base. around post.

Surface level

# The Principal Meridian Lines

Soil sub. rate  
Some grasswood and  
mesquite trunk

South Tet. Sec. 10518  
Va. 10°15' E.

- 3.00 Ascend mesa
- 12.00 Top of mesa to E. & N.  
altitude 150 ft. thence  
across top of same
- 40.00 Set a post 6 ft. long 3 for. diam with marked  
stone, 12 ins. in the ground for 4 Sec. Cor.  
marked 4 S. on N. face, dug pits 18 x 12 x 12  
ins. N. and S. of post 5 1/2 ft. dist. and raised  
a mound of earth 1 1/2 ft. high, 2 1/2 ft. base around  
post.
- 80.00 Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. to Secs.  
13. 18. 19 & 24 marked T. 17 S. 15 on  
N. E. E. 1 E. S. 19 on SE R 1 W S 24 on  
S. W. and S. 13 on N. W. face with 3 notch  
in S. and 3 notch in on N edges, dug  
pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.

Through Sp. 17 S.  
Harris

and raised a mound of earth 3 ft. high. 4 ft.  
base. around post from which a  
mesquite tree 6 ins. in  
diam. no. S. 4107. 78 links  
dist. marked S. 17 S.  
R. 17. S. 24 O. V.

A mesquite tree 4 ins.  
in diam. no. N. 4507.  
22 links dist. marked  
S. 17 S. R. 17. S. 18 O. V.

Another tree within 100 links  
Surface rising  
Soil sub. rate  
Dense mesquite and  
greenwood brush

South pt. Sec. 19824  
Va. 13015E.

87.15- Dry wash 10 links  
wide W. N. N.



# The Principal Meridian Lines

40.00

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for Cor.  
marked T. 8 on N. face. Dig pits 18 x 18 x 12  
ins. N and S of post 5 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. square, with marked  
stone, 12 ins. in the ground for Cor. to Secs.  
19, 24, 25, 300 marked T. 17 S. S. 19 on  
N. E. R. 1 E S. 300 on S. E. R. 1 W. S. 20 on  
S, W. and S, 24 on N, W. faces with 2 notch  
on S, and 4 notch on N edges, dug  
pits 18 x 18 x 12 ins. in each Sec., 5 1/2 ft. dist.  
and raised a mound of earth 2 ft. high. 4 1/2 ft.  
base. around post.

From which  
a meridian line 12 ins  
in diam. from S. 45° E  
80 links dist. marked  
T. 17 S. R. 1 E. S. 20. R. 1 W.  
No other trees within limits  
Surface level  
Soil 2nd. rate  
Dense greenwood

Through Feb. 17 S.  
Lains

and mangrove-trunk

South lat. Dec. 25 30  
Va. 13° 15' E.

4.000

Set a post 3 ft. long 4 in. diam with marked  
stone. 12 in. in the ground for a cor. to Secs.  
marked 7 S. on N. and 1 of post 1 ft. 11 in. diameter forming  
a mound of earth 1 1/2 ft. high 3 3/4 ft. base around  
post. from which a

mangrove tree 4 in  
in diam. to S. 46° W.  
75 links dist. marked  
"4 S. B. T. No other  
trees within limits

47.80

Dry wash 15 links wide  
to N.

80.00

Set a post 4 ft. long 4 in. square, with marked  
stone. 12 in. in the ground for Cor. to Secs.

25.30.31/806 marked 17 S. 30 on  
N. E. N. / E. S 31 on S. E. R. 1 W 5.36 on  
S, W, and S. 25 on N, W, and S with 1 notch  
on S, and 5 notch on N edge, dug

The Principal Mounds  
 Cairns

pits 18 x 11 x 12 in. in diam. 5 ft. dish  
 and raised a mound of earth 27 ft. high at ft  
 base. around post.

from which  
 a mesquite tree  
 8 ins. in diam.

from S. 80° E. 70 links  
 dish marked T. 17 S.  
 R. 18. S. 31 Q. T. N. other  
 trees within limits

Surface level  
 Soil sub. mt  
 Dense grass wood and  
 mesquite brush

South pt. Sec. 31 1536  
 Va. 10° 15' E.

39.09 Dry wash 10 links wide  
 Sec. N.

40.00

See a post 2 ft. long 1 in. diam with marked  
 cone. 12 in. in the ground for 1 Sec. Cor.  
 marked T. S. on N. side. The post is 18 x 12  
 ins. N. and S. of post 1 ft. dish and raised

Through Feb. 17 18  
 Rain

a method of setting 1 1/2 ft. high, 3/4 ft. base, around  
 post

from which a mesquite  
 tree 6 ins. in diam.

to. N. 97° E. marked 114 S.  
<sup>5-4</sup> 114 S. O. dist

B. T. a Saguarro to.

N. 51° W. 64 links marked

114 S. B. O.

80.00

Set a post 4 1/2 ft.  
 long 4 ins. sq.  
 with marked stone 12  
 ins. in the ground

for cor. to Feb. 17 18

S. R. 1 E. 51 W. marked

17 S. S. 31 on N. E. R. 1 E.

S. 6 on S. E. S. 18 S. S. 10 on

S. W. and R. 1 W. S. 36 on

S. W. face, with 6 notches

on each edge, dug

pits 24 x 18 x 12 ins.

lengthwise on each

line N. S. E. 5 ft. of

## The Principal Mounds

post 6 ft. dist.  
 and raised a  
 mound of earth  
 2 1/2 ft. high 5 ft. in  
 around post  
 From which a  
 mesquite tree  
 6 in. in diam. fr.  
 S. 81° E. 71 links  
 dist. marked  
 T. 18 S. R. 1 E. S. 6 C. T.  
 A mesquite tree 6 in.  
 in diam. fr.  
 N. 67° W. 59 links  
 dist. marked T. 17 S.  
 R. 1 W. S. 36 C. T.  
 No other trees within  
 limits.  
 Altitude 1800 ft.

Through Sp. 17 S.

Surface level  
Soil Ind. rate  
Dune magnite  
and greenwood track  
A cut. Sp. N.E. about  
80 Chain, another Sp.  
W. about 10 miles

# The Principal Meridian Lines

- From the cor. to  
Tps. 17 & 18 S. Co. 18. 5 / 17  
just established & run  
South bet. Secs. 1 & 6  
Va. 13° 15' E.
- 25.25 Dry wash 10 links wide  
Co. 17.
- 32.00 Indian Trail bet. NE. & 1 W.  
40.00 Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for a Sec. Cor.  
marked 18 on W. face, also 17 & 18 & 19  
ins. N. and S. of post 2 1/2 ft. dist. and raised  
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around  
post.
- 61.30 Dry wash 15 links wide  
Sec. 17.
- 80.00 Set a post 4 ft. long 4 ins. square, with marked  
stone, 12 ins. in the ground for Cor. to Secs.  
16, 7 & 12 marked 18 on S. 6 on  
N. E. R. 1 E. S. 7 on S. E. R. 1 Y. S. 12 on  
S, W; and S. 1 on W. W. face with notch  
on S, and 1 notch on N edges, dug  
pits 18 x 18 x 12 ins. in each Sec. 5 1/2 ft. disj.

Through Sec. 18 S.  
Raines

and raised a mound of earth 3 ft. high, 3 ft. base around post.

Surface level

Soil 2nd. rate

Dense Sage, greasewood  
and mesquite brush

South pt. Sec. 7 S. 12

N. 130° 15' E.

15.95 Dry wash 20 lbs. with  
lev. N.

40.00

Set a post 3 ft. long 3 ins. diam. with marked  
stone, 12 ins. in the ground for  $\frac{1}{4}$  Sec. Cor.,  
marked  $\frac{1}{4}$  S. on N.  $\frac{1}{4}$  sec. pits 18 x 18 x 12  
ins. N. and S. of post  $\frac{1}{4}$  in. dist and raised  
a mound of earth 1 1/2 ft. high 3 1/2 ft. base around  
post.

43.93

Indian Trail Co. N. 4. S. 12 N.

80.00

Set a post 4 ft. long 3 ins. diam. with marked  
stone, 12 ins. in the ground for Cor. to Secs.  
7, 12, 13 S. 18 marked 1 1/2 S. 7 on  
N. E. R. 1 E. 18 on S. E. R. 1 W. S. 12 on  
S. W. and S. 12 on N. W.  $\frac{1}{4}$  sec. with 4 catch



# The Principal Meridian Lines

on Sept 2 ... N ... pits 18 x 18 ... 3 ft. dist. and raised a mound of earth 2 ft. high 4 ft. base around post.

Surface level  
Soil 2nd. rate  
Some greenwood and  
mesquite brush

South Feb. Dec. 1888  
Va. 1850-6

2371  
4000

Indian trail to N.W. & S.E.

Set a post 3 ft. long 3 ins. diam with marked stone, 12 ins. in the ground for A. See, 200 marked V.S. on N. face, and pits 18 x 18 x 12 ins. N. and 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.

49.65

Dry wash to the  
with ... N. W.

65.00

Around mt

78.00

Dry wash 15-20 with

Through Sep. 18. 1901

Chains

Les. N. W.

80.00

Set a limestone  $24 \times 6 \times 6$   
 ins. 18 ins. in the ground  
 for cor. to Sec. 13, 18, 19 &  
 24 marked with 3 notches  
 on N. and 3 notches on  
 S. edge. and raised a  
 mound of stone alongside  
 City impracticable  
 Surface level and uncertainties  
 Soil end. and 4th rate  
 Dense sage, greasewood and  
 mesquite and Palo Verde brush

South Feb. Sec. 19 & 24  
 Va.  $130^{\circ} 15' E.$

Ascending

7.25

Top of mt. 180.  
 N. W. altitude 1950 ft  
 and down

27.00

Foot of mt. enter valley

# The Principal Meridian Chains

38.35

4000

Day wash 15<sup>th</sup> <sup>mile</sup> Sec. 4 N.  
Set a post 2 ft. long 2 in. diam with marked  
stone, 12 ins. in dia. in the ground for 1 Sec. Cor.  
marked 4<sup>th</sup> on W. 18 on N. 24 on E. 24 on S.  
ins. N. and S. of post - 4 ft. dist. and raised  
a mound of earth 1 1/2 ft. high. 3 1/2 ft. base around  
post. Altitude 1800 ft.

8000

Set a post 4 ft. long 4 in. square, with marked  
stone, 12 ins. in dia. in the ground for Cor. to Secs.  
19.24.25.26 marked 18 S. 19 on  
N. E. R. 1 E 24 on S. E. R. 1 W. S. 25 - on  
S. W. and S. 24 on N. W. face with 2 notch  
on S. and 4 notch on N. sides, dug  
pits 18 x 18 x 12 ins. at each Sec. 24 ft. dist.  
and raised a mound of earth 2 ft. high. 4 1/2 ft.  
base. around post.

Surface mountainous  
and level  
Soil sub. & 4<sup>th</sup> rate  
Dune mesquite and  
greasewood brush.

---

Through Apr. 1881  
 Cairns

South Mt. Sec. 25 5 30

26. 150 15° E

3000

Ascend over E. end. of mt.

3500

Top of mt. frs. E. & W. and  
 extends E. about 5 chs. and  
 W. 15 chs. Altitude 1900 ft.  
 Descend.

4000

Set a limestone 20x14x6  
 ins. 15 ins. in the ground  
 for "4 Sec. Cor. marked  
 "4 on W. face. and raised  
 a mound of stone  
 alongside. Pit unfractured  
 Foot of mt. Enter Valley

5400

5700

Set a post 4 ft. long 4 in. square, with marked  
 stones 12 ins. in the ground for Sec. to Secs.

25. 30. 31 5 30

18 S 30 on  
 N. E. 1 E 31 on S. E. R. 1 W. S 56 on

S. W. 25 on N. W. frs. with 1 notch  
 on S. side 5 notch on N. side; dug

pits 18 x 16 x 12 ins. in each Sec. 25, 30, 31. ditto  
 and raised a mound of earth 2 ft. high 12 ft.  
 base. around post.

The Principal Meridian  
Chains

altitude 1750

Surface mountain  
and level

Soil sandy 2nd. & 4th  
rate.

Dense Palo Verde and  
greenwood bush

South Pt. Secs. 31 and 36

Va. 18010-18

4000

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for 4 Sec. Cor.  
marked 4 5 on N. face. Also set 18 x 18 x 12  
ins N. and S. of post  $5\frac{1}{2}$  ft. dist. and raised  
a mound of earth  $1\frac{1}{2}$  ft. high.  $3\frac{1}{2}$  ft. base. around  
post.

8000

Set a post  $4\frac{1}{2}$   
ft. long 4 ins. sq.  
with marked  
stone 12 ins. in  
the ground for

Through Tps 18 S.

Chavis

Loc. to Tps. 18 & 19 S.  
 R. 1 E. - N. marked  
 T. 18 S. S. 3. on N.E. R. 1 E.  
 S. on S.E. T. 19 S. S. 1  
 on S.W. and R. 1 W. S.  
 26 on N.W. face. with  
 6 notches on each  
 edge. deep pits 24 x 18 x  
 12 ins. lengthwise  
 on each side N. S.  
 E. & W. of spot. 6 ft.  
 dist. and raised  
 a mound of earth  
 2 1/2 ft. high 5 ft. base  
 around foot.  
 Altitude 1800 ft.  
 Surface level  
 Soil sandy 2nd rate  
 Some mesquite greasewood  
 and cactus brush

The Principal meridian through  
the 18<sup>th</sup> S.  
Chambers

I carefully examined  
the adjustments of  
my Solar Transit  
today particular by  
the latitude and  
reversing apparatus  
and found them  
correct.

January 3rd 1854

The Principal Meridian  
Through Tps. 49 & 50

From the cor. to Tps. 18 & 19  
S. R. 16. 8 & N. just  
established by me  
I run

South 40° 15' 6"  
Var. 10° 10' - E.

Dry wash 15 links wide  
Cor. S. & N.

7.79

40.00

Set a post 2 ft. long 2 in. diam with marked  
stone. 12 in. in diameter for S. Cor.  
marked 4 ft. on N. side. dig pits 18 x 18 x 12  
ins. N. and S. of post 5 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 in. diam with marked  
stone. 12 in. in diameter for Cor. to South,  
1.6.7.8.12 on N. 19. 6 on  
N. 1 E. 7 on S.E. R. 1 W. 5.12 on  
S. W. and 3. 1 on S. W. side with 5 notch  
on S. side 1 notch on N. side. dig  
pits 18 x 18 x 12 ins. in each corner of post  
and raised a mound of earth 2 ft. high 3 1/2 ft.  
base. around post.



The Principal Mountain  
 Cairns

Surface level  
 Soil above sub. with  
 Dune sage, grasswood  
 and mesquite brush

South lat. Sec. 7 & 12  
 Val. 12° 15' E

40.00

Set a post 3 ft. long 4 in. diam. with marked  
 stone. 12 ft. in the ground for 6 Secs. 7 &  
 marked 12 ft. in the ground for 6 Secs. 7 &  
 ins. nr. and S. of post to be set up raised  
 a mound of earth 12 ft. high 3 ft. diam. around  
 post.

from which a  
 mesquite tree 2 ins. in  
 diam. br. S. 45° E. 43  
 inch dist. marked "4  
 S. B. T. No. other trees  
 within limits

64.00

Trail br. N. E. & S. W.

8.00

Set a post 3 ft. long 4 in. diam. with marked  
 stone. 12 ft. in the ground for 6 Secs. 7 &

7.12.13518

19d. 7

on

Through Apr. 19<sup>th</sup>  
Davis

11 E 18 m S.E., R. 1 W. S. 13  
12 m S.E., face S 4 m  
2 m S.E. on N does, dug  
1 1/2 ft. dist  
mound of 1 1/2 ft. high 4 1/2 ft.  
base around post.

Surface level  
Soil full, not sandy  
Dune sage, with  
greasewood brush  
Grass fair

South lat. Sec 12518  
Va. 18° 15' E.

4000

Set a post 2 ft. long 3 in. diam with marked  
stone, 12 in. in the ground for S. Sec. Cor.,  
marked N. face. Two pits 18 x 18 x 12  
ins. N. and S of post 4 1/2 ft. dist. and raised  
a mound of earth 1 1/2 ft. high, 3 1/2 ft. base around  
post.

8000

Set a post 4 ft. long 4 in. square, with marked  
stone, 12 in. in the ground for S. Sec. Cor.,

# The Principal Meridian Chain

12.15.1904 morning 1905 18  
 N. 1 E. S. 19 on S.E. R. 1 X 5 24  
 S. Ward 13 on N. W. 5 3 notch  
 8, and 3 notch on N edges, dug  
 pits 10 x 12 x 12 (each set, 54 ft, dist.  
 and raised a mound of earth 2 ft high on  
 base, around post.

from which  
 a mesquite tree 4  
 ins. in diam. to  
 S. 640 ft. 52 lbs. dist.  
 marked. S. 19 S. R. 1 ft.  
 S. 24 B. 5. No other  
 trees within limits  
 surface level

Soil sandy Ind. soil  
 Dense sage, greasewood  
 and mesquite brush

South pt. Dec. 1912 4  
 Va. 13015 E.

31.93 Indian trail to  
 N. H. & E.

Through Apr. 19 A.  
 Davis

H 000

Set a post 3 ft. long 3 ins. diam. with marked  
 stone. 12 ins. in the ground for Cor. to Sect.  
 marked 1 S on <sup>N.</sup> face, 18 x 18 x 12  
 ins. N. and S. of post 4 1/2 ft. dist and raised  
 a mound of earth 1 1/2 ft. high. 3 1/2 ft. base. around  
 post.

8,000

Set a post 4 ft. long 4 ins. square, with marked  
 stone. 12 ins. in the ground for Cor. to Sect.  
 19. 24. 25. 30 marked 19 A. 19 on  
 N. N. E. 1 E. 30 on S. E. R. 1 W. S. 25 on  
 S. W. and S. 24 on N. W. faces with 2 notch  
 on S. and 4 notch on N edges, dug  
 pits 18 x 18 x 12 ins. in each Sec., 3 1/2 ft. dist  
 and raised a mound of earth 2 ft. high. 4 1/2 ft.  
 base. around post.

Surface level  
 Set sandy 2nd. rate  
 Dune sage, and mesquite  
 brush.

---

The Principal Meridian  
Lines

South lat. Dec. 25 30  
W. 30 5 E

40.00

Set a post 3 ft. long 3 ins. diam with marked  
stone, 12 ins. in the ground for 1 Sec. Cor,  
marked 2 1 5 W. face. dug pits 18 x 18 x 12  
ins. N. & S. of post 54 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. diam. with marked  
stone, 12 ins. in the ground for 2d Sec. Cor. to S. 20s,  
20:30. 3/1836 marked T. 19 S. 30 on  
N. R. R. 1 E. 3 3/4 on S. E. R. 1 V. 5. 36 on  
S. W. side S. 25 on N. W. face with 1 notch  
25 on E. and 5 notch on N. edges. dug  
pits 18 x 18 x 12 ins. in each Sec. 54 ft. dist.  
and raised a mound of earth 2 ft. high 4 1/2 ft.  
base. around post. altitude 1775 ft.

Surface level

Soil sub. note

Dense. sugar, greenwood  
and many other kinds

through Apr. 198.

Chairs

South lat. Sud. 21006  
Va. 130 15' E

40,000

Set a post 3 ft. long 3 ins  
sq. with marked stone  
4 1/2 ins. in the ground for  
115 S. W. cor. marked "45"  
on N face. from  
which a mesquite  
tree 6 ins in diam. brs.  
N. 40° W. 150 lbs. dist. marked  
114 S. O. S.

a mesquite tree 6 ins  
in diam. brs. N. 43° E.  
200 lbs dist. marked  
114 S. O. S.

80,000

Set a post 4 1/2 ft.  
long 4 ins. sq.  
with marked  
stone 12 ins. in  
the ground.

# Principal Mendocino Chains

for Nov. to 3<sup>rd</sup> 19020 S.  
 No. 1 E. 81 N. marked  
 S. 19 S. S. 31 on N.E., R. 1 E.,  
 S. 6 on S.E., T. 20 S. S. 1  
 on S.W. and R. 1 N. S.  
 36 on N.W. face with  
 6 notches on N. S. E.  
 and N. edge. dug pits  
 24 x 8 x 12 ins. N. S. of S.W.  
 of post. 6 ft. dist. and  
 raised a mound  
 of earth 2 1/2 ft. high  
 15 ft. from around post  
 from which a magnetic  
 7 ins. in diam. for  
 N. 400 N. 82 lbs. dist.  
 marked S. 19 S. R. 1 N.  
 S. 26 O. S. No other  
 trees within limits  
 surface level  
 Soil end. water

Through Feb. 19 S

Cherry

Some magnolia and  
cat's claw bush

Grass fair



Principal meridian  
Linn

From the loc. to Tps. 19  
20 S. Rs. 1 E. & 1 W. just  
established by me,  
I run  
South Nat. Sec, 1 and 6  
Va. 12° 15' E.

40.00

from which a  
mosquito trap 4 ins. in  
diam. by S. 30° E. 15 lbs.  
dist. marked "4 S. 30° E."

No other traps within limits

61.86

Intersect International  
Boundary 8 miles and  
28 lbs. E. of the C/O.

12 monument which is a  
mosquito trap 4 lbs. high not marked  
When I set a  
mosquito post.

Through Apr. 20<sup>th</sup>.

Chavis

6 ft. long 4 ins sq. with  
marked stone 12 ins.  
in the ground.

for closing corner on  
the International

Boundary marked C.C.  
U. S. on N. face and Mexico  
on the S. Dig pits 4 x 2

x 1 1/2 ft. lengthwise on  
line N. E. or N. of Post  
6 ft. dist. and raised

a mound of earth 3 1/2  
ft. high 6 ft. tall

around post. surface level

Attitude 17 5/8 ft. Soil 2 <sup>in</sup> <sup>trails</sup>

I carefully examined  
the adjustments <sup>brush</sup>

of my Solar Transit

to-day particularly

the latitude and

reversing apparatus

Principal meridian through  
Laino - Tps. 205.

and found them  
correct  
January 5th 1884

# General Description

The Principal meridian  
for the most part  
flows through a  
valley country, on which  
is found greasewood,  
sagebrush, mesquite, Palo  
Verde, and various kinds  
of cacti, but grass is  
very scattering.

After rain water  
is found in tanks  
some of which are  
natural and some  
are made by the  
Papago Indians who  
inhabit this country,  
and have some large  
towns. It would probably  
take deep wells to  
get water  
For final notes see Book No 8

## U. S. Surveyor General's Office,

Tucson, Arizona, July 21, 1884

The foregoing Field Notes of the Survey of the

Gila and Salt River Meridian  
 through Townships 11, 12, 13, 14,  
 15, 16, 17, 18, 19 and fractional  
 20 South -

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
 ted by L. B. McLaughlin

Deputy Surveyor, under his contract of the 18<sup>th</sup>  
 day of June, 1884, having been

critically examined and the necessary corrections and explana-  
 tions made, the said Field Notes and the surveys they describe  
 are hereby approved.

Royal A. Johnson  
 Surveyor General.