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No. 1337

BOOK 1337

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# FIELD NOTES

<sup>7<sup>th</sup></sup> The *Auxiliary* *Indian* *Meridian* Lines of

*W.B.*

Townships *16-17-18 N* Range *29 E* along  
*15-16 N R 25 E*  
Meridian, *Arizona*

BY

*Henry J. Cook* Deputy Surveyor,

under his contract of *July 20* 188

Survey commenced *Oct 5* 188

Survey completed *Dec 15* 188

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*MB*, T. 17 N. R. 29 E. G. & S. R. M.

No. 1337

BOOK 1337

Before proceeding ~~further~~ with the exteriors of this Tps. I made a change of 5 minutes in the latitude arc of my solar compass by subtracting same from the reading previously given, and at noon verified and corrected same by observation on the sun. I also further tested instrument by reversing.

Standard  
From the Cor. to Tps. 17 N. Rs. 28 & 29<sup>e</sup>.

Which is a

post  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Stand, Cor. to Tps. 17 N., R's 28 and 29<sup>e</sup>, marked S.C.  
T: 17 N. on N. R. 28<sup>e</sup>. S. 36, on N. and R. 29<sup>e</sup>. S. 31 on E. faces with 6 notches on N. E. W. faces, ~~and~~ pits, 24 x 18 x 12 ins, crosswise on each line, N. E. W. of post, 6 ft, dist, and ~~raised~~ a mound of earth  $2\frac{1}{2}$  ft, high, 5 ft, base, around post,

North on a true line between sections 31 - 36,

Va.  $14^{\circ} 30'$  East.

Descend.

21.60 Cross Wash, 15 lks. wide, Course  $S. 75^{\circ} W$  and ascend.

Auxiliary Guide Meridian, *along*

N. B. T. 17 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

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., S. and N. 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.

80.00 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 T. 17 N. S. 30 on N. E., R 29 E., S. 31  
on S. E., S. 36 on S. W and S. 25 on N. W. face  
with  $\swarrow$  notch on S. and  $\searrow$  notches on  $\overline{2}$  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.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, Bunchgrass.

Timber of Cedars.

Auxiliary Guide Meridian, *along*

*NO.* T. 17 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 25-30,  
Va. 14° 15' East.

Ascend.

140.00 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.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 19-24-25-30,  
marked T. 17 N., S. 19, on N. E., R. 29 E., S. 30  
on S. E., S. 25 on S. W. and S. 24 on N. W. face,  
with 2 notch  $\infty$  on S. and 1 notch  $\infty$  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.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, Pynchgrass.

Timber of cedar.



Auxiliary Guide Meridian, *along*

N. B. T. 17 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 19-24  
Va. 14<sup>1</sup>/<sub>5</sub>' East.

Ascend.

18.00 Top of Ridge, bears N. 70° E. 9 S. 70° W. and descend.

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  
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.

80.00 Set a post 4 ft. long, 4 ins. square, 2 $\frac{1}{2}$  ins. in the ground,  
for Cor. to Secs. 13-18-14-24 marked T. 17 N.,  
S. 18 on N. E., R. 29 E., S. 19 on S. E., S. 24 on  
S. W. and S. 13 on N. W. faces, with 3 notches on  
S. and 3 notches on E. edges; from which

A Cedar 6 ins. diam. bears N. 56° W., 142 lks. dist.  
marked T. 17 N., R. 28 E., S., 13 B. T.

A Cedar 4 ins. diam. bears N. 46° E., 96 lks. dist.  
marked T. 17 N., R. 29 E., S., 18 B. T.

A Cedar 7 ins. diam. bears S. 72° W., 228 lks. dist.  
marked T. 17 N., R. 28 E., S., 24 B. T.

A Cedar 3 ins. diam. bears S. 54° E., 140 lks. dist.  
marked T. 17 N., R. 29 E., S., 19 B. T.

Chains.

Land mountainous *and* rolling.

Soil  $2\frac{nd}{7}$  rate.

Timber of Cedar.

Vegetation, *Bunchgrass.*

---

North on a true line between sections 13-18,

Va. 14' 15" East.

Descend.

25.00 Cross Gulch, 5<sup>lks.</sup> wide, Course  $S60^{\circ}E$ , and ascend.

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.

53.00 Top of Spur, bears  $N60^{\circ}E$  &  $S60^{\circ}W$  and descend.

73.70 Cross Wash, 8<sup>lks.</sup> wide, Course  $S70^{\circ}E$  and ascend.

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 T. 17 N. S. 7, on N. E., R 29 E., S. 18  
on S. E.  $S. 28^{\circ}E$  / 13 on S. W. and S. 12 on N. W. face  
with 4 notches on S. and 2 notches on E. 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.



*N.P.* T. 17 N. R. 29 E. G. & S. R. M.

BOOK 1337  
Chains.

Land mountainous *and* rolling.  
Soil *2<sup>nd</sup>* rate.  
Timber of *cedars*,  
Vegetation, *Bunchgrass*.

---

North on a true line between sections *7-12*,  
Va. *14° 15'* East.

Ascend.

*29.00* Top of Spur, bears *E. & W.*, and descend.

*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  
*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.

*43.40* Cross Wash, *5* lks. wide, Course *S. 15° W.* and ascend.

*80.00* 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. 17 N., S. 6*, on *N. E.*, *R. 29 E., S. 7*  
on *S. E.*, *S. 12* on *S. W.* and *S. 1* on *N. W.* face,  
with *5* notches on *S.* and *1* notch on *W.* 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.

N. B. T. 17 N. R. 29 E. G. &amp; S. R. M.

BOOK 1337

Chains.

Land mountainous and rolling.

Soil 2<sup>nd</sup> rate.

Timber of Cedar.

Vegetation, Punchgrass.

North on a true line between sections 1-6.

Va. 14° 15' East.

Ascend.

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.

80.00 Set a post, 4 $\frac{1}{2}$  ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Cor: to Tps. 17 and 18 N, R's 28 and 29 E, marked T, 18 N, S. 31 on N. E. R 29 E, S: 6 on S. E. T. 17 N, S. 1 on S, W, and R 28 E, S, 36 on N. W, faces, with 6 notches on each edge, dug, pits 24 x 18 x 12 ins., lengthwise on each line, N, S, E, and W, of post, 6 ft, dist, and raised a mound of earth 2 $\frac{1}{2}$  ft. high, 5 ft, base around post,

Auxiliary Guide Meridian, *along*.

*W.B.* T. 17 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

Land rolling.

Soil 2<sup>nd</sup> " rate.

Timber of *legan*.

Vegetation, *Bunchgrass.*

*Oct. 5, 1882,*



T. 18 N. R. 29 E. G. &amp; S. R. M.

BOOK 1337

Chains.

From the Cor. to Tps. 17 & 18 N. Rs. 28 & 29 E.  
 I run, *just established* -

North on a true line between sections 31-36.

Va.  $14^{\circ} 07'$  East.

Ascend.

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  
 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.

80.00 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  $\frac{1}{4}$  S. 30 on N. E., R 29 E., S. 31  
 on S. E., S. 36 on S. W and S. 25 on N. W. face, 0  
 with  $\uparrow$  notch on S. and 5 notches on E. 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.

Land rolling.

Soil *57d* rate

Vegetation, *Bunchgrass.*

Timber of *Cedar.*

N. B. T. 18 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 25-30,  
Va. 14' 15" East.

Ascend.

40.00

Set a *Sama* stone  $14 \times 10 \times 5$  ins., 9  
ins. in the ground, for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  on W.  
face, dug pits, 18 x 18 x 12 ins., N. and V. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. alongside

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 19-24-25-30,  
marked *B. 18 N. S. 19*, on N. E., R. 29 E., S. 30  
*N. 28 E.*  
on S. E., S. 25 on S. W. and S. 24 on N. W. face,  
with 2 notches on S. and 4 notches on E. 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.

Land rolling.

Soil *3<sup>rd</sup>* rate.

Timber of *hard*.

Vegetation, *Bunchgrass.*

*N.B.* T. 18 N R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 19-24,  
 Va.  $14^{\circ}15'$  East.

Ascend.

30.00 Top of Ridge, bears  $N. 30^{\circ} E.$  &  $S. 30^{\circ} W.$  and descend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
 for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  S. on *W.* face; from which

A Pine 14 ins. diam. bears  $N. E.$  24 lks. dist.  
 marked  $\frac{1}{4}$  S. B. T.

A Pine 9 ins. diam. bears  $S. 85^{\circ} W.$ , 15 lks. dist.  
 marked  $\frac{1}{4}$  S. B. T.

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  $T. 18 N. S. 18$  on N. E., R 29 E., S. 19  
 on S. E., S. 24 on S. W and S. 13 on N. W. faces  
 with 3 notches on S. and 3 notches on ~~2~~ 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.

Land rolling.

Soil  $3^{rd}$  rate.

Timber of Cedar.

Vegetation, Bunchgrass.



Auxiliary Guide Meridian, *along*

*W.B.* T. 18 N. R. 29 E. G. & S. R. M.

BOOK 1337

ains.

North on a true line between sections *13-18,*  
Va. *14°15'* East.

Descend.

*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  
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.

*64.10*

Cross Gulch, 5 lks. wide, Course *West* and ascend.

*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 *B. 18 N. S. 7*, on N. E., R. 29 E., S. 18  
*R. 28 E.*  
on S. E., S. 13 on S. W. and S. 12 on N. W. face,  
with *1* notch *eo* on S. and *2* notches on *W.* 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.

Land rolling.

Soil *3<sup>rd</sup>* rate.

Timber of *Pine & Cedar.*

Vegetation *Bunchgrass.*

Auxiliary Guide Meridian,

N. R. 18 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 7-12,  
Va.  $14^{\circ} 15'$  East.

Ascend.

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.

74.00 Top of Ridge, bears  $N. 50^{\circ} E.$  &  $S. 50^{\circ} W.$  and descend.

80.00 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  $N. 11^{\circ} W.$ , S. 6 on N. E., R 29 E., S. 7  
on S. E., S. 12 on S. W. and S. 1 on N. W. face,  
with 3 notches 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.

Land rolling.

Soil 3<sup>rd</sup> rate.

Timber of Pine & cedar.

Vegetation, Bunchgrass.

Chains.

North on a true line between sections 1-6,  
Va. 1415' East.

Descend.

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,  $3\frac{1}{2}$  ft. base around post.

44.70 Cross low Sag and ascend.

71.50 Top of Ridge, bears N.  $70^{\circ}$  E. 7 S.  $70^{\circ}$  W. and descend.

80.00 Set a post,  $4\frac{1}{2}$  ft. long, 4 ins. square, with marked  
stone 12 ins. in the ground, for Cor: to Tps. 18  
and 19N, R's 28 and 29E, marked T, 19N, S. 31  
on N. E. R. 29E S: 6 on S. E. T. 18N, S. 1 on S,  
W, and R. 28E, S. 36. on W, faces with 6 notches  
on each edge. dug, pit. 24 x 18 x 12 ins., lengthwise on  
each line, N, S, E, and W, of post, 6 ft, dist, and  
raised a mound of earth  $2\frac{1}{2}$  ft. high, 5 ft, base  
around post, in low Sag and ascend.

Land marking.

Soil 3<sup>rd</sup> rate.

Timber of Pine and Cedar.

Vegetation, Bunchgrass. Oct. 6, 1882.



Chains.

From the Cor. to Tps. 15 & 16 N. Rs. 28 & 29 E.

which the Prof. <sup>measured</sup> ~~measured~~ <sup>8-16 N. S. 21 m. E. 29 E. 6 m. E. 7-15 N. S. 27 E. and 28 E. 53 m. N. 27 E.</sup>  
 Run, <sup>with benches on each side, and pit ~~in~~ <sup>lengthwise on each line</sup>  
 of dist. and <sup>in</sup> ~~in~~ <sup>middle of</sup> ~~center~~ <sup>of</sup> ~~the~~ <sup>earth</sup> ~~around~~ <sup>post</sup></sup>

North on a true line between sections 31-36.

Va.  $17^{\circ}30'$  East.

Ascend.

11.50 Enter Timber, <sup>to</sup>  $E. \& N.$

140.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  S. on N. face; from which

A Cedar 14 ins. diam. bears  $N. 58^{\circ} W.$ , 32 lks. dist. marked  $\frac{1}{4}$  S. B. T.

A Cedar 12 ins. diam. bears  $S. 77^{\circ} E.$ , 91 lks. dist. marked  $\frac{1}{4}$  S. B. T.

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground, for Cor. to Secs. 25-30-31-36 marked T. 16 N., S. 30 on N. E., R. 29 E., S. 31 on S. E., <sup>R. 28 E.</sup> S. 36 on S. W. and S. 25 on N. W. faces, with  $\swarrow$  notch on S. and  $\searrow$  notch ~~on~~ <sup>on</sup> E. edges; from which

A Cedar 16 ins. diam. bears  $N. 85^{\circ} E.$ , 19 lks. dist. marked T. 16 N., R. 29 E., S. 30 B. T.

A Cedar 14 ins. diam. bears  $N. 78^{\circ} W.$ , 116 lks. dist. marked T. 16 N., R. 28 E., S. 25 B. T.

*MB* T. 16 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

A Cedar 18 ins. diam. bears S. 11° E., 12 Uks. dist.  
marked T. 16 N., R. 29 E., S., 31 B. T.

A Cedar 14 ins. diam. bears S. 41° W., 74 Uks. dist.  
marked T. 16 N., R. 28 E., S., 36 B. T.

Land rolling.

Soil 2<sup>nd</sup> rate.

Timber of cedar.

Vegetation, Bunchgrass.

Auxiliary Guide Meridian, *along*

N. B. T. 16 N. R. 29 E. G. & S. R. M.

No. 1337 BOOK 1337

Chains.

North on a true line between sections 25-30.  
Va. 14° 30 East.

Ascend.

40.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on *W.* face; from which  
A Cedar 18 ins. diam. bears N. 72° E., 51 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

A Cedar 14 ins. diam. bears N. 22° W., 92 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

57.20 Top of Ridge, bears N. W. & S. E., and descend.

80.00 Set a post 4 ft. long, 4 ins. square, 24 ins. in the ground,  
for Cor. to Secs. 19-24-25-30 marked T. 16 N.,  
S. 19 on N. E., R. 29 E., S. 30 on S. E., S. 25 on  
S. W. and S. 24 on N. W. faces, with 2 notches on  
S. and 4 notches on *W.* edges; from which  
A Cedar 10 ins. diam. bears N. 51° W., 15 lks. dist.  
marked T. 16 N., R. 29 E., S. 24 B. T.

A Cedar 12 ins. diam. bears N. 67° E., 22 lks. dist.  
marked T. 16 N., R. 29 E., S. 19 B. T.

A Cedar 14 ins. diam. bears S. 49° W., 32 lks. dist.  
marked T. 16 N., R. 29 E., S. 25 B. T.

Auxiliary Guide Meridian, *along*

*W* T. 16 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

A Cedar 18 ins. diam. bears S. 66° E., 82<sup>nd</sup> dist.  
marked T. 16 N. R. 29 E. S. 30 B. T.

Land mountainous

Soil 2<sup>nd</sup> rate.

Timber of Cedar.

Vegetation, Bunchgrass.



Chains.

North on a true line between sections 19-24,  
Va.  $14^{\circ}30'$  East.

Descend.

- 46.00 Set a post 3 ft. long, 3 ins. diam. 24 ins. in the ground,  
for  $\frac{1}{2}$  Sec. Cor., marked  $\frac{1}{2}$  S. on *W.* face; from which
- A Cedar 14 ins. diam. bears  $N. 20^{\circ} E.$ , 27 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.
- A Cedar 12 ins. diam. bears  $N. 32^{\circ} W.$ , 45 lks. dist.  
marked  $\frac{1}{2}$  S. B. T.

52.25 Leave Timber, <sup>W</sup>  $N. E.$  &  $S. W.$

- 80.00 Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 13-18-19-24,  
marked  $T. \frac{1}{2} N. S. 18$ , on N. E.,  $R. 29 E.$ ,  $S. 19$   
on S. E.,  $S. 24$  on S. W. and  $S. 13$  on N. W. face,  
with 3 notches on S. and 3 notches on *E.* 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.

Land rolling.

Soil *2 na* rate.Timber of *cedar*,Vegetation, *Bunchgrass.*

Auxiliary Guide Meridian, *along*

*N.B.* T. 16 N. R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 13-18,  
Val. 14° 30' East.

Ascend.

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.

53.20

Top of mesa, bears N.E. & S.W. & descend.

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 T/6 N. S. 7, on N. E., R 29 E., S. 18  
*R. 28 E.*  
on S. E., S. 13 on S. W. and S. 12 on N. W. face  
with 4 notches on S. and 2 notches on E 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.  
Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, Bunchgrass.

Chains.

North on a true line between sections

7-12,

Va. 14° 30 East.

Ascend.

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,  $3\frac{1}{2}$  ft. base around post.

80.00

Set a post 4 ft. long, 4 ins. square, with marked stone.  
12 ins. in the ground, for Cor. to Secs. 1-6-7-12,  
marked T. 16 N. S. 6, on N. E., R. 29 E., S. 7  
on S. E. <sup>R. 28 E.</sup> S. 12 on S. W. and S. 1 on N. W. face,  $\rho$   
with 5 notches on S. and 1 notch on E. 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.

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, Bromegrass,

T. 16 N R. 29 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 1-6,  
Va. 140 30' East.

Descend.

4.31 Intersect the <sup>4th</sup> Standard Parallel <sup>North</sup> at a point 2,83 chs. <sup>West</sup> of the Standard Cor. to Sees. and T. 17 N. R. 28-29 <sup>at which</sup>

a post 4½ ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Standard Cor. to Tps. 17 N., R's 28 and 29 E., marked S. C. T: 17 N., on N. R. 28 E. S. 36, on N. and R. 29 E. S. 31 on E., faces with 6 notches on N. E. & W. faces, dug pits, 24 x 18 x 12 ins, crosswise on each line, N. E. & W. of post, 6 ft. dist, and raised a mound of earth 2½ ft. high, 5 ft. base, around post, *and*

Set a post 4½ ft. long, 4 ins. square, with marked stone 12 ins. in the ground, for Closing Cor. to Tps. 16 N., R's 28 and 29 E., marked C. C. T: 16 N., on S, R. 28 E. S. 1, on N. and R. 29 E. S. 6 on E. faces with 6 notches on S. E. & W. faces, dug pits, 24 x 18 x



Auxiliary Guide Meridian,

T. 16 N. R. 29 E. G. & S. R. M.

BOOK 1887

12 ins, crosswise on each line, *N. E. W.* of post, 6  
ft, dist, and raised a mound of earth  $2\frac{1}{2}$  ft, high, 5  
ft, base, around post,

Land rolling.

Soil 2<sup>nd</sup> rate

Vegetation, *Bunchgrass,*

*Oct. 10, 1882,*

BOOK 1337

Chains.

Before proceeding further with the exteriors of this Twp.,  
I made a change of 6 minutes in the latitude arc  
of my solar compass by subtracting same from  
the reading previously given, and at noon verified and  
corrected same by observation on the sun. I also fur-  
ther tested instrument by reversing.

From the Cor. to Tps. 14 & 15 N. Rs. 24 & 25<sup>0</sup>,  
Which is a Post properly marked  
& notched with pits in  
each sec, and mound  
of earth around post  
established as per inst-  
ructions of the old  
Manual

Run  
North on a true line between sections 31-36.  
Va.  $13^{\circ}45'$  East

2.00 Over River Bottom,  
across Colorado River, 50 lks. wide,  
course West

## Chains.

- 34.00 Cross tributary of same, 15 lks. wide, runs  
These streams spread about 10 chs. West  
of this point, causing the Swampy  
land in the Southern part of the Sp.
- 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  
W. face, dug pits, 18 x 18 x 12 ins., S. and N. 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.
- 51.00 Lower River Bottom, Vasena,
- 53.00 Top of Bluff, 40 ft. high & descend.
- 58.00 From this point, House bears  
West, 175 lks. dist.
- 59.75 A Stable bears West from this  
point about 250 lks. dist.
- 74.00 Store house bears West about 250 lks. dist.
- 80.00 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  $\frac{1}{4}$  S. 30, on N. E., R 25 E., S. 31  
on S. E., S. 36 on S. W. and S. 25 on N. W. face D  
with  $\nearrow$  notch on S. and 5 notches on  $\nwarrow$  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.

Auxiliary Guide Meridian, *along*  
 N. B. T. 15 N. R. 25 E. G. & S. R. M.

BOOK 1337

Chains.

Land rolling.

Soil *3<sup>rd</sup>* rate

Vegetation, *Bunchgrass.*

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North on a true line between sections 25-30.

Va. *13°45'* East.

Ascend. *gradually.*

10.50 Over rolling land.

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 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.

80.00 Set a post 4 ft. long, 4 ins. square, with marked stone. 12 ins. in the ground, for Cor. to Secs. 19-24-25-30, marked *R. 15<sup>th</sup> S. 19*, on N. E., *R. 25<sup>th</sup> S. 30* on S. E., *S. 25* on S. W. and *S. 24* on N. W. face, with *2* notch *eo* on S. and *4* notches 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.

Land rolling.

Soil *3<sup>rd</sup>* rate

Vegetation, *Bunchgrass.*



Auxiliary Guide Meridian, *along*  
 N.P.T. 15 N. R. 25 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 19-24,  
 Va. 73°45' East.

Over rolling land.

27.00 Foot of Bluff, bear E. & W.  
 31.00 Top of same, bears N. 50° E. & S. 50° W. & des.

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  
 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.

60.00 Descend gradually,

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. 15 N. S. 18, on N. E., R 25 E., S. 19  
 on S. E., S. 24 E. For S. W and S. 13 on N. W. face  
 with 3 notches on S. and 3 notches 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.  
 Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, Bunchgrass.

20  
 Auxiliary Guide Meridian, *Along*  
 N.B.T. 15 N. R. 25 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 13-18,  
 Va. 13° 45' East.

Ascend.  
 Over rolling land.

17.00 Top of Spur, bears N. 50° E. & S. 50° W. and descend.

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.

47.80 Cross low Sag and ascend.

80.00 Set a *Sana* stone  $1\frac{1}{8}$  x  $1\frac{1}{6}$  x 5 ins. 2 ins. in  
 the ground for Cor. to Secs. 7-12-13-18 marked  
 with 4 notches on S. and 2 notches on E. 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. alongside  
 Land rolling.

Soil *3rd* rate

Vegetation, *Bunchgrass.*

28A

BOOK 1337

North on a true line between sections 7-12,

Auxiliary Guide Meridian, along

N. P. T. 15 N. R. 25 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 1-6.  
 Va. 73° 45' East.

Over rolling land.

40.00 Set a Sand stone 2 x 2 x 5 ins., 8  
 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
 face, dug pits, 18 x 18 x 12 ins., N and S. of stone  
 5  $\frac{1}{2}$  ft. dist., and raised a mound of earth 1  $\frac{1}{2}$  ft. high,  
 3  $\frac{1}{2}$  ft. base. alongside

144.00 Descend. gradually.

50.65 Cross Wash, 15 lks. wide, Course N 85° and ascend.

80.00 Set a Granite stone 20 x 12 x 6 ins. 5 ins. in  
 the ground, for Cor. to Tps. 15 and 16 N. R's 24 and  
 25 E., marked with 6 notches on each edge, dug pits, 24  
 x 18 x 12 ins. lengthwise on each line, N. S. E. and W.  
 of stone, 6 ft. dist., and raised a mound of earth 2  $\frac{1}{2}$  ft.  
 high, 5 ft. base. alongside

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, Bunchgrass.

Oct. 18, 1882.

Vegetation, *Bunchgrass.*

28A

BOOK 1837

North on a true line between sections

1-12,

Pa. 13° 15' East.

Ascend. gradually.

34.00

Top of

Mesa and along same.

40.00

Set a

Same stone 12x12x 5 ins., 5

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

80.00

Set a

Same stone 15x13x 5 ins. 6 ins. in

the ground for Cor. to Secs. 1-6-7-12 marked with Notch on S. and 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. alongside

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation

*Bunchgrass.*

BOOK 1837

BOOK 1837



Chains.

BOOK 1337

From the Cor. to Tps. 15 & 16 N. Rs. 24 & 25 E.,  
I run,

North on a true line between sections 31-36  
Va. 13<sup>1</sup>/<sub>4</sub> East.

Ascend.

5.00 Top of Ridge, bears N. E. & S. W. and descend.

36.00 Enter Flat bears N. E. & S. W.

40.00 Set a *Sana* stone 14 x 13 x 4 ins., 14  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on N.  
face, dug pits, 18 x 18 x 12 ins., N and V. of stone  
5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
3 $\frac{1}{2}$  ft. base. alongside

80.00 Set a *Sana* stone 18 x 12 x 3 ins. 12 ins. in  
the ground for Cor. to Secs. 25-30-31-36 marked  
with 1 notch on S. and 5 notches 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. alongside

Land rolling.

Soil 3<sup>rd</sup> rateVegetation *Bunchgrass.*

Auxiliary Guide Meridian,

N.B. T. 16 N R. 25 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 25-30,  
Va. 23'48' East.

Over level land

40.00 Set a Sand stone 19 x 8 x 4 ins., 14  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{2}$  on N.  
face, dug pits, 18 x 18 x 12 ins., N and S. of stone  
 $5\frac{1}{2}$  ft. dist., and raised a mound of earth  $1\frac{1}{2}$  ft. high,  
 $3\frac{1}{2}$  ft. base. along side

80.00 Set a Sand stone 18 x 5 x 4 ins. 12 ins. in  
the ground for Cor. to Secs. 19-24-25-30 marked  
with 2 notch on S. and 4 notches on E. 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. along side

Land level.

Soil 3<sup>rd</sup> rate

Vegetation, Bunchgrass.

*H.P.* T. 16 N. R. 25 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections *19-24*,  
Va. *13°48'* East.

Over level land

*22.00* Cross Wash, 120 lks. wide, Course *S.W.*  
*40.00* Set a *Sama* stone *15x10x4* ins., *10*  
ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on *W.*  
face, dug pits, *18x18x12* ins., *1* and *S.* of stone  
*5½* ft. dist., and raised a mound of earth *1½* ft. high,  
*3½* ft. base. alongside

*80.00* Set a *Sama* stone *6x4x4* ins. *11* ins. in  
the ground for Cor. to Secs. *13-18-19-24* marked  
with *Notch* on *S.* and *Notches* on *W.* edges, dug pits  
*18x18x12* ins. in each Sec., *5½* ft. dist., and raised a  
mound of earth *2* ft. high *4½* ft. base. alongside

Land level.

Soil *3<sup>rd</sup>* rate  
Vegetation, *Bunchgrass.*

50

Auxiliary Guide Meridian, *along*  
 N. B. T. 16 N. R. 25 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 13-18,  
 Va. 13° 48' East.

Over level land

40.00 Set a *Sand* stone 20 x 10 x 6 ins., 15  
 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W.  
 face, dug pits, 18 x 18 x 12 ins., N and S. of stone  
 5 $\frac{1}{2}$  ft. dist., and raised a mound of earth 1 $\frac{1}{2}$  ft. high,  
 3 $\frac{1}{2}$  ft. base. alongside

43.10 Leave Flat bears N. E. & S. W., and ascend:

80.00 Set a *Sand* stone 16 x 12 x 5 ins. 1 ins. in  
 the ground for Cor. to Secs. 7-12-13-18 marked  
 with 4 notches on S. and 2 notches on W. 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. alongside

Land level. *and* rolling.

Soil 3<sup>rd</sup>  
 " rate

Vegetation, *Bunchgrass.*



Auxiliary Guide Meridian, *along*

T. 16 N. R. 25 E. G. & S. R. M.

Chains. BOOK 1337

North on a true line between sections 7-12,  
Va. 13° 48' East.

Ascend.

40.00

Set a Sand stone 15 x 12 x 8 ins., 10 ins. in the ground, for  $\frac{1}{4}$  Sec. Cor., marked  $\frac{1}{4}$  on W. face, dug pits, 18 x 18 x 12 ins., N and S. of stone 5  $\frac{1}{2}$  ft. dist., and raised a mound of earth 1  $\frac{1}{2}$  ft. high, 3  $\frac{1}{2}$  ft. base. alongside

80.00

Set a Sand stone 15 x 12 x 8 ins., 10 ins. in the ground for Cor. to Secs. 1-6-7-12 marked with notches on S. and / 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. alongside  
Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation Bunchgrass,

Auxiliary Guide Meridian, along

N.B.T. 16 N. R. 25 E. G. & S. R. M.

BOOK 1337

Chains.

North on a true line between sections 1-6,  
Va. 13° 48' East.

Descend. Over rolling land.

35.00 Cross Wash, 75 yds. wide, Course N, and ascend.

40.00 Set a Sand stone 4 x 10 x 8 ins., 9  
ins. in the ground, for 1/4 Sec. Cor., marked 1/4 on N.  
face, dug pits, 18 x 18 x 12 ins., N and S. of stone  
5 1/2 ft. dist., and raised a mound of earth 1 1/2 ft. high,  
3 1/2 ft. base. along grade

70.22 Intersect the 4th Standard Parallel North at a  
point 33.55 chs. West of the Standard Cor. to  
Tps. 17 N. and R. 24 E. which is

a post 4 1/2 ft. long, 4 ins. square, with marked  
stone 12 ins. in the ground, for Standard Cor. to  
Tps. 17 N., R. 24 and 25 E. marked S. C.  
T: 17 N. on N. R. 24 E. S. 36, on  
N. and R. 25 E. S. 31 on E. faces with 6  
notches on N. E. & W. faces, <sup>and</sup> pits, 24 x 18 x  
12 ins, crosswise on each line, N. E. & W. of post, 6  
ft. dist, and ~~raised~~ a mound of earth 2 1/2 ft. high, 5  
ft. base, around post,

BOOK 1337

Chains.

at point of intersection I set a  
 Set a sandstone  $15 \times 12 \times 8$  ins. 10 ins. in the  
 ground for Closing Cor. to Tps. 16 N., R's 24  
 and 25 E., marked O. C., with 6 notches on S. E. & W. <sup>10</sup>  
 edges, dug pits  $24 \times 18 \times 12$  ins. crosswise on each line,  
 S. E. & W. of stone 6 ft. dist. and raised a mound of  
 earth,  $2\frac{1}{2}$  ft. high, 5 ft. base.

Land rolling.

Soil 3<sup>rd</sup> rate

Vegetation, Bunchgrass,

I carefully examined the adjustments of my solar  
 compass to-day, particularly the latitude and revers-  
 ing apparatus, and found them correct.

Oct. 20, 1882,

Chains.

For final oaths see  
book 13. of survey, sub-  
division of T. 18. N.,  
R. 28. E.,

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U. S. Surveyor General's Office,

TUCSON, ARIZONA,

July 31, 1883

The foregoing Field Notes of the Survey of the  
Auxiliary Guide Meridian  
Along N. Ry, Townships  
16, 17 & 18 North Range 29 East  
Along

Of the Gila and Salt River Base and Meridian, Arizona, execu-  
ted by

Henry A. Coe

Deputy Surveyor, under his contract of the

20<sup>th</sup>

day of

July

, 1882, having been

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

J. M. Robinson

Surveyor General.