

MAR 1 - 1909 763

Capital ... 1908 (1)

Accepted, Dept. letter E.
Nov. 5-1909.

Book E.

2125 BOOK 2125

FIELD NOTES

OF THE SURVEY OF THE

2125

2125

Subdivision Lines of Twp. 5 N. Rg. 13 W.

2125

Of the *Gila and Salt River* Meridian,

Territory of Arizona

AS SURVEYED BY

John F. Hesse, United States Deputy Surveyor,

Under his Contract No. *150*, dated *October 10*, 190*8*

Survey commenced *December 29th*, 190*8*

Survey completed *January 4th*, 190*9*

2125

2125

2125

164
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BOOK 2125

NAMES AND DUTIES OF ASSISTANTS.

Harry S. Duggals

Chairman

Wilfred B. Helm

Chairman

A. H. Oliver

Asstman

A. R. Saunders

Flagman

BOOK 2125
 INDEX DIAGRAM.

Township 5 N., Range 13 W.

6	22	5	17	4	13	8	9	2	5	1
22	22		16		12		8		5	
7	21	8	16	9	12	10	8	11	4	12
21	21		16		11		8		4	
18	20	17	15	16	11	15	7	14	3	13
20	20		15		11		7		3	
19	19	20	14	21	11	22	7	23	3	24
19	19		14		10		6		2	
30	18	29	14	28	10	27	6	26	2	25
18	17		13		10		6		2	
31	17	32	13	33	9	34	5	35	1	36

Meanders Page.....

166
C

PRELIMINARY OATHS OF ASSISTANTS.

WE, Harry S. Ingalls and Wilfred B. Helm
do solemnly swear that we will well and faithfully execute the duties of chainmen; that we will level the chain upon even and uneven ground, and plumb the tally pins, either by sticking or dropping the same; that we will report the true distances to all notable objects, and the true lengths of all lines that we assist in measuring, to the best of our skill and ability, and in accordance with instructions given us, in the survey of the subdivision lines of Pp. 5 N. Rg. 13 W.

Harry S. Ingalls, Chairman.
Wilfred B. Helm, Chairman.

Subscribed and sworn to before me this 5th
day of December, 1908
Commission expires March 29, 1910



Wm. Frederick
Surveyor Public

WE, _____ and _____
do solemnly swear that we will well and truly perform the duties of moundmen in the establishment of corners, according to the instructions given us, to the best of our skill and ability, in the survey of _____

_____, Moundman.

_____, Moundman.

Subscribed and sworn to before me this _____
day of _____, 190 _____



WE, I. A. N. Oliver and _____

do solemnly swear that we will well and truly perform the duties of axmen in the establishment of corners and other duties, according to instructions given us, to the best of our skill and ability, in the survey of the subdivision lines of Pp. 5 N. Rg. 13 W.

I. A. N. Oliver, Axman.

_____, Axman.

Subscribed and sworn to before me this 29th
day of December, 1908



John P. Hesse
U.S. Rep. Surveyor

I, A. R. Saunders, do solemnly swear that I will well and truly perform the duties of flagman according to instructions given me, to the best of my skill and ability, in the survey of the subdivision lines of Pp. 5 N. Rg. 13 W.

A. R. Saunders, Flagman.

Subscribed and sworn to before me this 29th
day of December, 1908



John P. Hesse
U.S. Rep. Surveyor

subdivision of Township 5 North Range 13 West

chains

Survey commenced December 29th, 1908, and executed with a Young and Sons light mountain transit, No 7532, with solar attachment. The horizontal limbis provided with two double verniers placed opposite to each other, reading to single minutes of arc, which is also the least count of the verniers of the latitude and declination arcs.

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

I examine the adjustments of the transit and find them correct; and then, to test the solar apparatus, by comparing indications, resulting from solar observations made during a.m. and p.m. hours, with a meridian determined by observations on Polaris, I proceed as follows:-

At the standard cor. of secs. 35 and 36, Tp. 5 N. R. 13 W. latitude $33^{\circ}43'27''N.$, longitude, $113^{\circ}34'26''W.$, I set off $33^{\circ}43, 1/2'N.$ on the lat. arc, $23^{\circ}09'S.$ on the decl. arc; and at 4 p.m., l.m.t., determine a meridian with the solar and mark a point thereof, on a stone, firmly set in the ground, 5 chs. N. of the cor.

December 29th, 1908.

December 30th; At 12 h. ⁵⁰~~45~~'m., a.m., by my watch which has correct l.m.t., I observe Polaris at Western elongation, in accordance with the Manual of Instruction and mark a point in the line thus determined, on a peg driven in the ground, 5 chs. N. of my station.

At 7 a.m., l.m.t., I lay off the azimuth of Polaris $1^{\circ}25'$ to the E.; and mark a point in the meridian thus determined by cutting a small groove in the stone, set December 29th, on which this meridian coincides with one determined by the solar.

At 8 a.m., l.m.t., I set off $33^{\circ}43, 1/2'N.$ on the lat. arc, $23^{\circ}06'S.$ on the decl. arc; and mark a point in the meridian thus determined with the solar, by a cross on the stone, already set 5 chs. N. of my station; this mark coincides with the meridian established by the polaris observations.

The solar apparatus, by a.m., and p.m., observations define positions for meridians identical with the meridian established by Polaris observations; Therefore I conclude that the adjustments of the instruments are satisfactory.

The magnetic bearing of the true meridian at 8 a.m. is $N44^{\circ}53'W.$, the angle thus determined gives the mag. decl. as $14^{\circ}53'E.$

I begin at the standard cor. of secs. 35 and 36, Tp. 5 N., R. 13 W., established by me December 17th, 1908.

Thence I run

$N0^{\circ}01'W.$ bet. secs. 35 and 36.

Over gently rolling land through dense brush.

33.10
40.00

76.25
79.70
80.00

Wash, 40 lks. wide, course NE.
Set a porphyry stone, 21x8x6 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; and raise a mound of stone, 2ft. base, 1, $1/2$ ft. high, W. of cor. Pits impracticable.
Wash, 30 lks. wide, course E.
Wash, 10 lks. wide, course ENE.
Set a porphyry stone, 18x8x8 ins., 12 ins. in the ground, for cor. of secs. 25, 26, 35 and 36, marked with 1 notch on S. and E. edges; and raise a mound of stone, 2ft base, 1, $1/2$ ft. high, W. of cor. Pits impracticable.

Subdivision of Township 5 North Range 13 West.

chains		
	Land, gently rolling and level. Soil, sandy and gravelly; 3rd rate. Timber, scattering paloverde and ironwood. Underbrush, greasewood, mesquite, paloverde and cacti. Land covered with dense underbrush, 80.00 chs.	
	East on random line bet. secs. 25 and 36.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
80.07	Intersect E. bdy. of Tp., 2 lks. S. of cor. of secs. 25, 30, 31, and 36. Thence I run S89°59'W. on true line bet. secs. 25 and 36' Over level land through dense brush.	
30.10	Wash, 45 lks. wide, course NE.	
40.035	Set a quartzite stone, 18X8X8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.	
68.30	Wash, 30 lks. wide, course N.	
72.10	Wash, 20 lks. wide, course NE.	
74.00	Wash, 15 lks. wide, course NE.	
78.25	Wash, 10 lks. wide, course NE.	
80.07	The cor. of secs. 25, 26, 35, and 36. Land, level. Soil, sandy and gravelly; 3rd and 4th rate. No timber. Underbrush, greasewood, mesquite and cacti. Land covered with dense underbrush, 80.07 chs.	
	N0°01'W. bet. secs. 25 and 26. Over level land through dense brush.	
17.15	Wash 10 lks. wide, course E.	
40.00	Set a quartzite stone, 18X10X5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.	
50.85	Wash, 15 lks. wide, course E.	
80.00	Set a porphyry stone, 21X8X5 ins., 16 ins. in the ground, for cor. of secs. 23, 24, 25, and 26, marked with 2 notches on S. and 1 notch on E. edge; and dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. From cor. A mesquite, 8 ins. diam., bears N66°45'E., 1.07 lks. dist., marked T 5 N R 13 W S 24 BT	
	Land, level. Soil, sandy; 3rd rate. No timber. Underbrush, greasewood and sage brush. Land covered with dense underbrush, 80.00 chs.	
	N89°59'E. on random line bet. secs. 24 and 25.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.	
79.95	Intersect E. bdy. of Tp., 12 lks. N. of cor. of secs. 19, 24, 25, and 30. Thence I run N89°56'W. on true line bet. secs. 24 and 25. Over gently rolling land through dense brush.	
1.55	Wash, 40 lks. wide, course SW.	
14.15	Wash, 20 lks. wide, course SW.; over level land.	
25.30	Wash, 60 lks. wide, course SW.	
27.40	Road, bears N. and S.	
34.15	Enter Centennial wash, course SE.	
39.975	Point for $\frac{1}{4}$ sec. cor. falls in wash.	
42.45	Leave wash.	
43.05	Pump house bears N. 8.00 chs. dist.	

Subdivision of Township 5 North Range 13 West.

chains	
43.50	Set a porphyryr. stone, 18X12X6 ins., 12 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked WC $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
44.65	Road, bears N. and S.
65.50	Road, bears NW. and SE.
79.95	The cor. of secs. 23, 24, 25, and 26. Land, level and gently rolling. Soil, sandy and gravelly; 3rd and 4th rate. Timber, scattering mesquite. Underbrush, greasewood, mesquite, sage, and cacti. Land covered with dense underbrush, 79.95 chs.
NO° 01' W. bet. secs. 23 and 24.	
	Over level land through sage brush undergrowth.
7.05	Road, bears NE. and SW.
17.80	Road, bears NW. and SE.
23.45	Road, bears NE. and SW.
32.45	Wash, 20 lks. wide, course SE; enter dense underbrush.
40.00	Point for $\frac{1}{4}$ sec. cor. falls in wash, 40 lks. wide, course SE.
41.00	Set a porphyry stone, 18X7X7 ins., 12 ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor. marked WC $\frac{1}{4}$ on W. face; dig pits 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
48.20	Centennial Wash, 200 lks. wide, course SE.
51.75	Road, bears NW. and SE.; enter gently rolling land.
69.70	Foot of ridge; bears E. and W.; asc.
80.00	Set a porphyryr stone, 18X10X6 ins., 12 ins. in the ground, for cor. of secs. 13, 14, 23, and 24, marked with 3 notches on S. and 1 notch on E. edge; and raise a mound of stone, 2 ft. base, 1, 1/2 ft. high, W. of cor. Pits impracticable. Land, level and rolling. Soil, sandy and gravelly; 3rd and 4th rate. Timber, scattering mesquite. Underbrush, greasewood, sage, mesquite, paloverde and cacti. Land covered with dense underbrush, 47.55 chs.
S89° 56' E. on random line bet. secs. 13 and 24.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.04	Intersect E. bdy. of Tpt., 9 lks. S. of cor. of secs. 13, 18, 19, and 24. Thence I run west on true line, bet. secs. 13 and 24. Over rolling land through dense brush.
2.65	Wash, 15 lks. wide, course N.
40.02	Set a porphyry stone, 18X8X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1, 1/2 ft. high, N. of cor. Pits impracticable
68.10	Road, bears N. and S.
80.04	The cor. of secs. 13, 14, 23, and 24. Land, rolling and hilly. Soil, sandy and gravelly and stony; 3rd and 4th rate. Timber, scattering paloverde. Underbrush, paloverde, greasewood, and cacti. Land covered with dense underbrush, 80.04 chs. At this cor. I set off 23° 08' - 1/2' S. on the decl. arc and observe the sun on the meridian at noon; the resulting lat. is 33° 46' N. ✓
NO° 01' W. bet. secs. 13 and 14.	
	Ascending over mountainous land.
6.90	Top of ridge, bears E. and W.; desc.
19.10	Foot of ridge; wash, 30 lks. wide, course W; Over level land
25.90	Old road, bears E. and W.
35.10	Wash, 25 lks. wide, course W.
39.05	Wash, 30 lks. wide, course W.

Subdivision of Township 5 North Range 13 West.

chains	
40.00	Set a malpais stone, 21x6x5 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
50.80	Wash, 25 lks. wide, course SW.; enter dense underbrush.
55.75	Enter Centennial wash, course SW.
63.10	Leave wash and dense underbrush.
80.00	Set a granite stone, 16x10x8 ins., 11 ins. in the ground, for cor. of secs. 11, 12, 13, and 14, marked with 4 notches on S. and 1 notch on E. edge; dig pits, 18x18x12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level and mountainous. Soil, sandy, gravelly and stony; 3rd and 4th rate. Timber, scattering mesquite and paloverde; Underbrush, sage, mesquite and cacti. Land mountainous or covered with dense underbrush, 31.40 chs.
East on random line bet. secs. 12 and 13.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.96	Intersect E. bdy. of Tp. 2 lks. S. of cor. of secs. 7, 12, 13, and 18. Thence I run S89°59'W. on true line bet. secs. 12 and 13. Over level land through dense brush.
1.50	Wash, 30 lks. wide, course NW.
22.55	Wash, 25 lks. wide, course NW.
36.45	Road, bears N. and S.
39.98	Set a granite stone, 14x8x8 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dig pits, 18x18x12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
68.40	Centennial Wash, 60 lks. wide, course SSW. Leave dense brush
79.96	The cor. of secs. 11, 12, 13, and 14. Land, level. Soil, sandy; 3rd rate. Timber, scattering mesquite. Underbrush, greasewood, sage and cacti. Land covered with dense underbrush, 68.40 chs.
N0°01'W. bet. secs. 11 and 12. Over level land through sage brush.	
40.00	Set a granite stone, 14x10x8 ins., 9 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18x18x12 ins., 1 N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
46.60	Road, bears NE. and SW.
54.00	Wash, 10 lks. wide, course SE.
72.75	Enter dense underbrush, bears NW. and SE.
80.00	Set a granite stone, 18x6x5 ins., 12 ins. in the ground, for cor. of secs. 1, 2, 11, and 12, marked with 1 notch on E. and 5 notches on S. edge; dig pits, 18x18x12 ins., in each sec., 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy; 2nd and 3rd rate. No timber. Underbrush, greasewood and sage brush. Land covered with dense underbrush, 7.25 chs.
N89°59'E. on random line bet. secs. 1 and 12.	
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect the E. bdy. of Tp., 7 lks. N. of cor. of secs. 1, 6, 7, and 12. Thence I run

Subdivision of Township 5 North Range 13 West.

chains

	N89°58'W.on true line bet.secs.1 and 12. Over level land through dense brush.
7.55	Centennial Wash,90.lks.wide,course SW.
36.25	Leave dense underbrush,bears N.and S.
40.01	Set a granite stone,18X8X6ins.,12ins.in the ground,for ¼ sec.cor.,marked ¼ on N.face; and dig pits,18X18X12ins. E.and W.of stone,3ft.dist.; and raise a mound of earth, 3,1/2 ft.base,1,1/2 ft.high,N.of cor.
40.65	Well,bears N.,6.00 chs.dist.
41.30	Jose Sanchez's ranch house,bears N.,4.00 chs.dist.
42.60	Road,bears N.and S.
44.10	Canvas stable,bears N.,6.00 chs.dist.
45.25	Road,bears NE.and SW.
48.10	Canvas house,bears N.,7.00 chs.dist.
52.35	Wash,10 lks.wide,course S.
66.05	Wash,10 lks.wide,course S.; enter dense underbrush,hrs.W and S.
80.02	The cor.of secs.1,2,11,and 12. Land,level. Soil,sandy and gravelly; 2nd and 3rd rate. Timber,scattering mesquite. Underbrush,greasewood and sage,mesquite and cacti. Land covered with dense underbrush,50.20 chs.
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	N0°01'W.on random line bet.secs.1 and 2.
40.00	Set temp.¼ sec.cor.
80.05	Intersect N.bdy.of the Tp.,4 lks.W.of cor.of secs.1,2, 35 and 36. Thence I run S0°01'W.on true line bet.secs.1 and 2. Over level land through dense brush.
40.05	Set a granite stine,18X12X10ins.,12ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face; dig pits,18X18X12ins., E.and W.of stone,3ft.dist.; and raise a mound of earth, 3,1/2 ft.base,1,1/2 ft.high,W.of cor.
44.55	Railroad ditch,80 lks.wide,course NE.
45.00	Telegraph line,bears N65°E.,and S65°W.
45.21	Railroad,bears N65°E.and S65°W.
46.50	Road,bears NE.and SW.
48.05	Wash,10 lks.wide,course SE.
62.65	Road,bears E.and W.
76.50	Road,bears NE.and SW.
80.05	The cor.of secs.1,2,11,and 12. Land,level. Soil;sandy and gravelly; 2nd and 3rd rate. Timber,scattering mesquite. Underbrush,greasewood and cacti. Land covered with dense underbrush,80.05 chs. December 30th,1908.
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	December 31st; At 8 a.m.,1.m.t.,I set off 33°43-1/2 N.on the lat.arc,23°02'S.on the decl.arc; and determine a true meridian with the solar at the standard cor.of secs.34 and 35, Tp.5 N.,R 13 W., Thence I run N0°01'W.bet.secs.34 and 35. Over gently rolling land through dense brush,
14.80	Wash,90 lks.wide,course ENE.
35.05	Wash,20 lks.wide,course E.
40.00	Set a porphyry stone,21X8X6ins.,16ins.in the ground,for ¼ sec.cor.,marked ¼ on W.face; dig pits,18X18X12ins., N.and S.of stone,3ft.dist.; and raise a mound of earth ,3,1/2 ft.base,1,1/2 ft.high,W.of cor.
60.10	Wash,20 lks.wide,course ESE.
80.00	Set a porphyry stone,18X8X8ins.,12ins.in the ground,for co .of secs.26,27,34,and 35,marked with 1 notch on S. and 2 notches on E.edge; dig pits,18X18X12ins.,in each sec.,5,1/2 ft.dist.; and raise a mound of earth,4ft.base.

Subdivision of Township 5 North Range 13 West.

chains	2ft. high, W. of cor. Land, gently rolling and level. Soil, sandy and gravelly; 4th rate. Timber, scattering paloverde and ironwood. Underbrush, greasewood, mesquite and cacti. Land covered with dense underbrush, 80.00 chs.
40.00	East on random line bet. secs. 26 and 35. Set temp. $\frac{1}{4}$ sec. cor.
80.01	Intersect N. and S. line, 5 lks. N. of cor. of secs. 25, 26, 35 and 36. Thence I run N89°58'W. on true line bet. secs. 26 and 35. Over level land through dense brush.
25.60	Road, bears N. and S.
40.005	Set a quartzite stone, 18X10X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
80.01	The cor. of secs. 26, 27, 34, and 35. Land, level. Soil, sandy and gravelly; 3rd and 4th rate. No timber. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.01 chs.
4.25	N0°01'W. bet. secs. 26 and 27. Over level land through dense brush, Wash, 20 lks. wide, course E.
40.00	Set a porphyry stone, 18X8X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
55.20	Wash, 20 lks. wide, course ENE.
59.85	Wash, 15 lks. wide, course ENE.
71.35	Wash, 15 lks. wide, course NE.
80.00	Set a quartzite stone, 21X8X6 ins., 16 ins. in the ground, for cor. of secs. 22, 23, 26, and 27, marked with 2 notches on S. and E. edges; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high W. of cor. Land, level. Soil, sandy and gravelly; 3rd and 4th rate. Timber, scattering mesquite. Underbrush, greasewood, mesquite and cacti. Land covered with dense underbrush, 80.00 chs.
40.00	S89°58'E. on random line bet. secs. 23 and 26. Set temp. $\frac{1}{4}$ sec. cor.
80.05	Intersect N. and S. line, 16 lks. S. of cor. of secs. 23, 24, 25 and 26. Thence I run S89°55'W. on true line bet. secs. 23 and 26. Over level land through dense brush.
5.75	Road, bears NE. and SW.
8.50	Road, bears N. and S.
19.75	Leave dense brush, bears NE. and SW.
33.25	Enter dense brush, bears N. and S.
40.025	Set a porphyry stone, 18X10X5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
80.05	The cor. of secs. 22, 23, 26, and 27. Land, level. Soil, sandy and gravelly; 3rd and 4th rate. Timber, a few mesquite. Underbrush, greasewood, sage, mesquite and cacti. Land covered with dense underbrush, 66.55 chs.

Subdivision of Township 5 North Range 13 West.

chains

	N0°01'W. bet. secs. 22 and 23. Over level land through dense brush.
16.80	Wash, 10 lks. wide, course SE.
26.85	Wash, 15 lks. wide, course NE.
29.60	Wash, 15 lks. wide, course E.
36.35	Wash, 15 lks. wide, course E.
40.00	Set a porphyry stone, 18X8X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
43.25	Wash, 15 lks. wide, course E.
54.80	Wash, 20 lks. wide, course E.
56.40	Wash, 15 lks. wide, course E.
80.00	Set a porphyry stone, 18X8X8 ins., 12 ins. in the ground, for cor. of secs. 14, 15, 22, and 23, marked with 3 notches on S. and 2 notches on E. edge; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy; 3rd rate. Timber, a few mesquite. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.00 chs.
	N89°55'E. on random line bet. secs. 14 and 23.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.14	Intersect N. and S. line, 14 lks. N. of cor. of secs. 13, 14, 23 and 24. Thence I run N89°59'W. on true line bet. secs. 14 and 23. Over rolling land though dense brush.
34.50	Over level land.
37.85	Centennia Wash, 165 lks. wide, course SW.
39.15	Road, bears NW. and SE.
40.07	Set a porphyry stone, 18X8X8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; and raise a mound of stone, 2 ft. base, 1, 1/2 ft. high, N. of cor. Pits impracticable.
48.60	Wash, 150 lks. wide, course SE.
61.00	Wash, 50 lks. wide, course SE.
80.14	The cor. of secs. 14, 15, 22, and 23. Land, level. Soil, sandy, gravelly and s. only; 3rd and 4th rate. Timber, scattering paloverde and mesquite. Underbrush, greasewood, mesquite and cacti. Land covered with dense underbrush, 80.14 chs. At this cor. I set off 23°04'S. on the decl. arc and observe the sun on the meridian at noon; the resulting lat. is 33°46'N. ✓
	N0°01'W. bet. secs. 14 and 15. Over level land through dense brush.
2.05	Wash, 20 lks. wide, course E.
6.00	Wash, 40 lks. wide, course E.
12.90	Wash, 180 lks. wide, course E.
16.20	Leave dense brush, bears E. and W.
19.00	Road, bears WNW. and ESE.
40.00	Set a porphyry stone, 18X10X5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
44.20	Wash, 40 lks. wide, course SE.
48.30	Road, bears WNW. and ESE.
70.60	Enter dry wash, course SE.
77.25	Leave Wash, course S.
80.00	Set a granite stone, 20X10X10 ins., 15 ins. in the ground, for cor. of secs. 10, 11, 14, and 15, marked with 4 notches on S. and 2 notches on E. edge; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth,

Subdivision of Township 5 North Range 13 West.

chains	<p>4ft. base, 2ft. high, W. of cor. Land, level. Soil, sandy; 3rd rate. No timber. Underbrush, greasewood and sage. Land covered with dense underbrush, 16.20 chs.</p>
40.00	<p>S89°59'E. on random line bet. secs. 11 and 14. Set temp. $\frac{1}{4}$ sec. cor.</p>
80.02	<p>Intersect N. and S. line, 4 lks. N. of cor. of secs. 11, 12, 13, and 14. Thence I run N89°57'W. on true line bet. secs. 11 and 14. Over level land covered with sage brush.</p>
14.50	<p>Wash, 35 lks. wide, course SE.</p>
40.01	<p>Set a granite stone, 16X10X6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.</p>
52.10	<p>Wash, 20 lks. wide, course SE.</p>
80.02	<p>The cor. of secs. 10, 11, 14, and 15. Land, level. Soil, sandy loam and sandy; 2nd and 3rd rate. No timber. Underbrush, sagebrush.</p>
6.45	<p>N0°01'W. bet. secs. 10 and 11. Over level land through scattering brush.</p>
40.00	<p>Road, bears E. and W. Set a granite stone, 16X10X6 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.</p>
42.00	<p>Enter dense underbrush, bears NE. and SW.</p>
44.10	<p>Wash, 10 lks. wide, course SE.</p>
60.40	<p>Road, bears N65°E. and S65°W.</p>
61.21	<p>Railroad, bears N65°E. and S65°W.</p>
61.90	<p>Telegraph line, bears N65°E. and S65°W.</p>
67.40	<p>Railroad ditch, 30 lks. wide, course N65°E. and SW.</p>
71.50	<p>Old road, bears E. and W.</p>
73.05	<p>Wash, 10 lks. wide, course SE.</p>
80.00	<p>Set a granite stone 14X12X6 ins., 9 ins. in the ground, for cor. of secs. 2, 3, 10, and 11, marked with 5 notches on S. and 2 notches on E. edge; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, W. of cor. Land, level. Soil, sandy and gravelly; 2nd and 3rd rate. No timber. Underbrush, greasewood and sagebrush. Land covered with dense underbrush, 38.00 chs.</p>
40.00	<p>S89°57'E. on random line bet. secs. 2 and 11. Set temp. $\frac{1}{4}$ sec. cor.</p>
80.08	<p>Intersect N. and S. line 9 lks. S. of cor. of secs. 1, 2, 11, and 12. Thence I run S89°59'W. on true line bet. secs. 2 and 11. Over level land through dense brush.</p>
2.00	<p>Leave dense underbrush, bears N. and S.</p>
10.45	<p>Road, bears NE. and SW.</p>
11.30	<p>Wash, 25 lks. wide, course S.</p>
29.60	<p>Wash, 10 lks. wide, course SE.</p>
37.00	<p>Enter dense underbrush, bears NE. and SW.</p>
40.04	<p>Set a granite stone, 16X8X8 ins., 11 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pit, 18X18X12 ins., E. and W. of stone, 3ft. dist.; and raise a mound of earth,</p>

Subdivision of Township 5 North Range 13 West.

Chains

	3, 1/2 ft. base, 1, 1/2 ft. high, .Nor cor.
41.85	Wash, 10 lks. wide, course S.
46.10	Wash, 10 lks. wide, course SE.
50.45	Road, bears NE. and SW.
51.70	Railroad, bears NE. and SW.
52.82	Telegraph line, bears NE. and SW.
53.00	Road, bears NE. and SW.
60.25	Railroad ditch, course NE. and SW.
65.90	Wash, 20 lks. wide, course S.
70.05	Wash, 20 lks. wide, course S.
80.08	The cor. of secs. 2, 3, 10, and 11. Land, level. Soil, sandy and gravelly; 2nd and 3rd rate. Timber, scattering mesquite. Underbrush, greasewood. Land covered with dense underbrush, 45.08 chs.
NO° 01' W. on random line bet. secs. 2 and 3.	
40.00	Set temp. 1/4 sec. cor.
80.04	Interest N. bdy. of Tp., 5 lks. E. on cor. of secs. 2, 3, 34 and 35. Thence I run SO° 03' E. on true line bet. secs. 2 and 3. Over level land through dense brush.
17.15	Road, bears NE. and SW.
20.10	Wash, 15 lks. wide, course SE.
40.04	Set a granite stone, 16X8X6 ins., 11 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; dog pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
43.05	Wash, 15 lks. wide, course SE.
59.45	Wash, 10 lks. wide, course SE.
65.10	Wash, 15 lks. wide, course SE.
68.70	Wash, 15 lks. wide, course SE.
77.20	Wash, 10 lks. wide, course SE.
80.04	The cor. of secs. 2, 3, 10 and 11. Land, level. Soil, sandy and gravelly; 3rd rate. No timber. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.04 chs. December 31st, 1908.
January 1st, 1909; At 8 a.m., 1.m.t., I set off 33° 43'-1/2' N. on the datlarc, 22° 57'-1/2' S. on the decl. arc and determine a true meridian with the solar at the cor. pt. of standard cor. of secs. 33 and 34, Tp. 5 N., R. 13 W.	
	Thence I run NO° 02' W. bet. secs. 33 and 34. Over rolling land through dense brush.
11.10	Wash, 60 lks. wide, course E.; foot of ridge; asc.
27.40	Top of ridge, bears E. and W.; desc.
33.85	Foot of ridge, wash, 40 lks. wide, course E. asc. ridge.
40.00	Set a quartzite stone, 21X8X6 ins., 16 ins. in the ground, for 1/4 sec. cor. mark d 1/4 on W. face; and raise a mound of stone 2 ft. base, 1, 1/2 ft. high, W. of cor. Pits impracticable.
42.00	Top of ridge, bears E. and W.; desc.
50.15	Foot of slope; wash, 30 lks. wide, course E.; Over gently rolling land.
62.10	Wash 20 lks. wide, course E.
80.00	Set a porphyry stone, 24X8X8 ins., 18 ins. in the ground for cor. of secs. 27, 28, 33, and 34, marked with 1 notch on S. and 3 notches on E. edge; and raise a mound of stone, 2 ft. base, 1, 1/2 ft. high, W. of cor. Pits impracticable. Land, gently rolling and mountainous. Soil, sandy, gravelly, stony and rocky; 4th rate. Timber, scattering paloverde and ironwood. Underbrush.

Subdivision of Township 5 North Range 13 West.

chains.

Underbrush,greasewood,paloverde,mesquite and cacti.
Land mountainous or covered with dens underbrush,80.00
chs.

East on random line bet.secs.27 and 34.
40.00 Set temp. $\frac{1}{4}$ sec.cor.
80.10 Intersect N.and S.line,5 lks.N.of cor.of secs.26,27,
34 and 35.
Thence I run
N89°58'W.on true line bet.sec.27 and 34.
Over level land through dense brush.

30.15 Wash,15 lks.wide,course SE.
40.05 Set a porphyry stone,21X6X5ins.,16ins.in the ground,for
 $\frac{1}{4}$ sec.cor. marked $\frac{1}{4}$ on N.face; and raise a mound of
stone,2ft.base,1,1/2 ft.high,N.of cor.Pits impracticable
40.75 Road,bears N .and S.
43.25 Wash,35 lks.wide,course NE.
80.10 The cor.of secs.27,28,33 and 34.
Land,nearly level
Soil,sandy and gravelly; 4th rate.
Timber,scattering pa overde and ironwood.
Underbrush,ggrasewood,paloverde,mesquite and cacti.
Land covered with dense underbrush,80.10 chs.

N0°02'W.bet.secs.27 and 28.
Over level land through dense brush.
.50 Wash,15 lks.wide,course N.E.
80.15 Wash,20 lks.wide,course NE.
40.00 Set a porphyry stone,21X8X5ins.,16ins.in the ground,for
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face; and raise a mound of ^{EARTH} ~~stone~~
~~3/4~~ 3/4 ft.base,1,1/2 ft.high,W.of cor. ^{DIG PITS 18X18X12 INS. IN EACH SEC. 5/8 FT. DIST.} ~~Pits impracticable.~~

79.85 Set a porphyry stone,18X10X5ins.,12ins.in the ground,for
Witness cor.to.cor.of secs.21,22,27, and 28,marked WC on
NE.face,with 2 notches on S.and 3 notches on E.edge;
and raise a mound of ~~stone~~ ^{stone},2ft.base,1,1/2 ft.high,W.
of cor. ~~Pits impracticable.~~ ^{DIG PITS 18X18X12 INS. IN EACH SEC. 5/8 FT. DIST.}

80.00 Point for sec.cor.falls in wash,10 lks.wide,course NNE.
Land,level.
Soil,sandy and gravelly; 3rd rate.
No timber.
Underbrush,greasewood and mesquite.
Land covered with dense underbrush 80.00 chs.

From true point for cor. to secs. 21, 22, 27 and 28.
S89°58'E.on random line bet secs.22 and 27.
40.00 set temp. $\frac{1}{4}$ sec.cor.
80.06 Intersect the N.and S.line,5 lks.N.of cor.of secs.22,
23,a26,and 27.
Thence I run
N89°56'W.on true line bet .secs.22 and 27.
Over level land through dense brush.

23.00 Wash,10 lks.wide,course NE.
36.50 Wash,10 lks.wide,course NE.
40.03 Set a porphyry stone,24X8X5ins.,18ins.in the ground,for
 $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face; dig pits,18X18X12ins.,
E.and W.of stone,3ft.dist.,and raise a mound of earth,
3,1/2 ft.base,1,1/2 ft.high,N.of cor.

56.50 Wash,10 lks.wide,course NE.
67.55 Road,bears N.and S.
80.06 The cor.of secs.21,22,27 and 28.
Land,level.
Soil,sandy and gravelly; 3rd and 4th rare.
No timber.
Underbrush,greasewood.
Land covered with dense underbrush,80.06 chs.

From true cor, point for cor. of secs. 21. 22. 27 and 28
N 0°02'W.bet.secs.21 and 22.
Over level land through dense brush.

Subdivision of Township 5 North Range 13 West

chains	
38.10	Road, bears NW. and SE.
40.00	Set a quartzite stone, 18X6X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
76.05	Wash, 150 lks. wide, course E.
80.00	Set a quartzite stone, 18X12X6 ins., 12 ins. in the ground, for cor. of secs. 15, 16, 22, and 21, marked with 3 notches on S. and E. edges; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level Soil, sandy; 3rd rate. No timber. Underbrush, greasewood. Land covered with dense underbrush, 80.00 chs.
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	S89° ⁵⁶ 57 ' E. on random line bet. secs. 15 and 22.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.98	Intersect N. and S. line, 14 lks. S. of cor. of secs. 14, 15, 22 and 23. Thence I run S89°58' W. on true line bet. secs. 15 and 22. Over level land through dense brush.
39.99	Set a porphyry stone, 18X8X8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
43.15	Wash, 10 lks. wide, course NE.
45.25	Wash, 15 lks. wide, course NE.
50.00	Wash, 15 lks. wide, course NE.
63.15	Road, bears NW. and SE.
67.10	Road, bears NE. and SW.
71.35	Wash, 180 lks. wide, course NE.
79.98	The point for true cor. of secs. 15, 16, 21, and 22. Land, level. Soil, sandy; 3rd rate. Timber, scattering mesquite. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 79.98 chs. At this cor. I set off 22°59'-1/2' S. on the decl. arc and observe the sun on the meridian at noon; resulting lat. 33°46' N. N0°02' W. bet. secs. 15 and 16, Over level land through dense brush.
34.85	Road, bears NW. and SE.
40.00	Set a porphyry stone, 18X8X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
44.05	Road, bears E. and W.
73.10	Wash, 30 lks. wide, course E.
80.00	Set a granite stone, 20X12X10 ins., 15 ins. in the ground, for cor. of secs. 9, 10, 15, and 16, marked with 4 notches on S. and 3 notches on E. edge; dig pits 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy and gravelly; 3rd rate. No timber. Underbrush, greasewood, sage, mesquite and cacti. Land covered with dense underbrush, 80.00 chs.
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	N89°58' E. on random line bet. secs. 10 and 15.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.02	Intersect N. and S. line, 14 lks. N. of cor. of secs. 10, 11, 15 and 14.

Subdivision of Township 5 North Range 13 West.

chains	<p>Thence I run N89°56'W, on true line bet. secs. 10 and 15. Over level land through dense brush.</p>
2.05	Wash, 40 lks. wide, course S.
7.75	Road, bears SW. and NE.
40.01	set a granite stone, 18X10X8 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
62.25	Wash, 15 lks. wide, course S.
80.02	The cor. of secs. 9, 10, 15, and 16. Land, level. Soil, sandy loam and gravelly; 2nd and 3rd rate No timber. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.02 chs.
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	<p>N0°02'W, bet. secs. 9 and 10. Over level land through dense brush.</p>
6.60	Road, bears NE. and SW.
7.40	Railroad, bears NE. and SW.
8.25	Road, bears NE. and SW.
8.35	Telegraph line, bears NE. and SW.
22.15	Wash, 20 lks. wide, course SE.
25.30	Old road, bears NW and SE.
30.60	Wash, 20 lks. wide, course SE.
40.00	Set a granite stone, 18X6X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor. marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
57.90	Road, bears E. and W.
74.40	Wash, 10 lks. wide, course SE.
80.00	Set a granite stone, 14X12X5 ins., 9 ins. in the ground, for cor. of secs. 3, 4, 9, and 10, marked with 5 notches on S. and 3 notches on E. edge; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy; 2nd and 3rd rate. Timber, scattering mesquite. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.00 chs.
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	<p>S89°56'E, on random line, bet. secs. 3 and 10.</p>
40.00	Set temp. $\frac{1}{4}$ sec. cor.
79.97	Intersect N. and S. line, 16 lks. S. of cor. of secs. 2, 3, 10, and 11. Thence I run S89°57'W, on true line bet. secs. 3 and 10. Over level land through dense brush.
5.15	Wash, 15 lks. wide, course SE.
39.05	Wash, 15 lks. wide, course SE.
39.985	Set a granite stone, 18X6X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
50.80	Wash, 20 lks. wide, course SE.
58.60	Wash, 15 lks. wide, course SE.
75.55	Wash, 20 lks. wide, course SE.
79.97	The cor. of secs. 3, 4, 9, and 10. Land, level. Soil, sandy; 2nd and 3rd rate. Timber, scattering mesquite. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 79.97 chs.

Subdivision of Township 5 North Range 13 West.

chains	
	N0°02'W.on random line bet.secs.3 and 4.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.08	Intersect N.bdy.of.Tp., 2 lks.W.of cor.of secs.3, 4, 33, and 34.
	Thence I run
	S0°01'E.on true line bet.secs.3 and 4.
	Over level land through dense brush.
6.85	Wash, 15 lks.wide, course SE.
24.10	Wash, 20 lks.wide, course SE.
28.20	Wash, 15 lks.wide, course SE.
34.85	Wash, 25 lks.wide, course SE.
40.08	Set a porphyry stone, 21X6X6ins., 16ins.in the ground, for $\frac{1}{4}$ sec.cor., marked $\frac{1}{4}$ on W.face; dig pits, 18X18X12ins., N.and S.of stone, 3ft.dist.; and raise a mound of earth, 3, 1/2 ft.base, 1, 1/2 ft.high, W.of cor.
47.05	Wash, 20 lks.wide, course SE.
69.90	Road, bears NE.and SW.
76.05	Wash, 20 lks.wide, course SE.
80.08	The cor.of secs.3, 4, 9, and 10.
	Land, level.
	Soil, sandy; 3rd rate.
	No timber.
	Underbrush, greasewood.
	Land covered with dense underbrush, 80.08 chs.
	January 1st, 1909.

January 2nd; At 8 a.m., l.m.t., I set off 33°43-1/2' N on the lat.arc, 22°52-1/2' S on the decl.arc, and determine a meridian with the solar at the standard cor. of secs.32 and 33, Tp., 5 N., R 13 W.

Thence I run

N0°02'W.on random line bet.secs.32 and 33.

Over level land through dense brush.

3.05	Wash, 60 lks.wide, course NE.
30.85	Wash, 40 lks.wide, course NE.
36.65	Wash, 40 lks.wide, course NE.
38.85	Enter wash, course ENE.
40.00	Point for $\frac{1}{4}$ sec.cor.falls in wash.
40.70	Leave Wash.
41.00	Set a quartzite stone, 18X10X10ins., 12ins.in the ground, for witness cor.to $\frac{1}{4}$ sec.cor., marked WC $\frac{1}{4}$ on W.face; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, W.of cor. Pits impracticable.
53.10	Foot of slope, bears E.and W.; asc.
57.10	Top of ridge, bears E.and W.; desc.
62.85	Wash, 15 lks.wide, course NE.; asc.
68.20	Top of ridge, bears E.and W.; desc.
79.55	Wash, 20 lks.wide, course NE.; over level land.
80.00	Set a porphyry stone, 24X8X8ins., 18ins.in the ground, for cor.of secs.28, 29, 32, and 33, marked with 1 notch'on S. and 4 notches on E.edge; and raise a mound of stone, 2ft.base, 1, 1/2 ft.high, W.of cor. Pits impracticable.
	Land, level and rolling.
	Soil, sandy, gravelly and stony; 3rd and 4th rate.
	No timber.
	Underbrush, greasewood, mesquite and cacti.
	Land covered with dense underbrush, 80.00 chs.

East on random line bet.secs.28 and 33.

40.00	Set temp. $\frac{1}{4}$ sec.cor.
79.98	Intersect N.and S.line, 3 lks.S.of cor.of secs.27, 28, 33, and 34.

Thence I run

S89°59'W.on true line, bet.secs.28 and 33.

Over level land through dense brush.

0.45	Wash, 15 lks.wide, course NE.
9.40	Wash, 20 lks.wide, course N.

Subdivision of Township 5 North Range 13 West.

chains	
18.10	Wash, 20 lks. wide, course N.
27.30	Wash, 25 lks. wide, course NE.
36.15	Old road, bears NE. and SW.
38.49	Set a mesquite post, 3ft. long, 3ins., sq., with marked stone 24ins. in the ground, for witness cor. to $\frac{1}{4}$ sec. cor., marked WC $\frac{1}{4}$ S 28 on N. face, and 33 on S. face; dig pits, 18X18X12ins., E. and W. of post, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
39.99	Point for $\frac{1}{4}$ sec. cor. falls on land subject to overflow.
63.10	Wash, 20 lks. wide, course NE.
79.35	Wash, 15 lks. wide, course NE.
79.98	The cor. of secs. 28, 29, 32, and 33. Land, level. Soil, sandy and gravelly; 3rd rate. Timber, scattering mesquite. Underbrush, greasewood, mesquite and cacti. Land covered with dense underbrush, 79.98 chs.
<hr/> <p>N0°02'W. bet. secs. 28 and 29. Over level land through dense brush.</p>	
14.10	Wash, 30 lks. wide, course NE.
20.20	Wash, 200 lks. wide, course NE.
40.00	Set a porphyry stone, 18X8X6ins., 12ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12ins., N. and S. of stone, 3ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
42.85	Wash, 30 lks. wide, course NE.
48.95	Wash, 20 lks. wide, course NE.
80.00	Set a porphyry stone, 24X8X6ins., 18ins. in the ground, for cor. of secs. 20, 21, 28, and 29, marked with 2 notches on S. and 4 notches on E. edge; dig pits, 18X18X12ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4ft. base, 2ft. high, W. of cor. Land, level. Soil, sandy and gravelly; 3rd and 4th rate. No timber. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.00 chs.
<hr/> <p>N89°59'E. on random line bet. secs. 21 and 28. set temp. $\frac{1}{4}$ sec. cor.</p>	
40.00	Intersect N. and S. line, 12 lks. N. of cor. of secs. 21, 22, 27, and 28.
80.04	Thence I run N89°56'W. on true line, bet. secs. 21 and 28. Over level land through dense brush,
15.95	Wash, 20 lks. wide, course NE.
29.20	Wash, 20 lks. wide, course NE.
36.75	Wash, 20 lks. wide, course NE.
40.02	Set a porphyry stone, 18X8X5ins., 12ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12ins., E. and W. of stone, 3ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
49.70	Wash, 15 lks. wide, course N.
68.25	Wash, 20 lks. wide, course N.
77.75	Wash, 20 lks. wide, course N.
80.04	The cor. of secs. 20, 21, 28 and 29. Land, level. Soil, sandy and gravelly; 3rd rate. No timber. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.04 chs.
<hr/> <p>N0°02'W. bet. secs. 20 and 21. Over level land through dense brush.</p>	
5.25	Wash, 20 lks. wide, course NE.

Subdivision of Township 5 North Range 13 West.

chains	
15.35	Wash, 25 lks. wide, course NE.
27.90	Wash, 20 lks. wide, course NE.
40.00	Set a porphyry stone, 18X8X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
58.85	Wash, 50 lks. wide, course E.
61.15	Old road, bears NE. and SW.
77.40	Road, bears E. and W.
80.00	Set a porphyry stone, 21X8X5 ins., 16 ins. in the ground, for cor. of secs. 16, 17, 20 and 21, marked with 3 notches on S. and 4 notches on E. edge; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base 2 ft. high, W. of cor. Land, level. Soil, sandy and gravelly; 3rd and 4th rate. No timber. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.00 chs.
	S89°56'E. on random line bet. secs. 16 and 21.
40.00	Set temp. $\frac{1}{4}$ sec. cor.
80.09	Intersect N. and S. line, 7 lks. N. of cor. of secs. 15, 16, 21 and 22. Thence I run N89°53'W. on true line bet. secs. 16 and 21. Over level and through dense brush.
15.10	Road, bears NW. and SE.
20.25	Mesquite well, bears N., 18.00 chs. dist.
35.45	Wash, 25 lks. wide, course SE.
40.045	Set a porphyry stone, 21X6X6 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
50.55	Wash, 50 lks. wide, course SE.
77.35	Road, bears NE. and SW.
80.09	The cor. of secs. 16, 17, 21, and 20. Land, level. Soil, sandy and gravelly; 3rd rate. Timber, scattering mesquite. Underbrush, greasewood and mesquite. Land covered with dense underbrush, 80.09 chs. At this cor. I set off 22°54'S. on the decl. arc, and observe the sun on the meridian at noon; the resulting lat. is 33°46'N. ✓
	N0°02'W. bet. secs. 16 and 17. Over level land through dense brush.
5.10	Wash, 40 lks. wide, course SE; Road, bears NE. and SW.
16.30	Wash, 80 lks. wide, course SE.
21.10	Old road, bears NW. and SE.
30.40	Road, bears NE. and SW.
34.86	Railroad, bears NE. and SW.
35.60	Telegraph line, bears NE. and SW.
37.45	Railroad, ditch, 15 lks. wide, course NE.
40.00	Set a porphyry stone, 18X8X5 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
48.35	Wash, 20 lks. wide, course SE.
77.30	Road, bears E. and W.
80.00	Set a porphyry stone, 24X8X8 ins., 18 ins. in the ground, for cor. of secs. 8, 9, 16, and 17, marked with 4 notches on S. and E. edges; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy and gravelly; 3rd and 4th rate.

Subdivision of Township 5 North Range 13 West.

chains	
	No timber. Underbrush,greasewood and mesquite. Land covered with dense underbrush,80.00 chs.
	S89°53'E.on random line bet.secs.9 and 16.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.03	Intersect N.and S.line,19 lks.S.of cor.of secs.9,10,15 and 16.
	Thence I run
	S89°59'W.on true line bet.secs.9 and 16.
	Over level land through dense brush.
10.05	Wash,20 lks.wide,course SE.
11.20	Wash,60 lks.wide,course SE.Leave dense underbrush.
11.76	Railroad,bears SW.and NE.
12.85	Road,bears NE.and SW.
12.90	Telegraph line,bears NE.and SW.
17.00	Along N.side of Town of Salome.
34.90	Road,bears N.and S.
40.015	Set a porphyry stone,18X10X6ins.,12ins.in the ground,for $\frac{1}{4}$ sec.cor.marked $\frac{1}{4}$ on N.face; dig pits,18X18X12ins., E.and W.of stone,3ft.dist.; and raise a mound of earth,3,1/2 ft.base,1,1/2 ft.high,N.of cor.
41.50	Octilla corral on line; Leave Salome and enter dense underbrush.
69.70	Road,bears ENE.and WSW.
80.03	The cor.of secs:8,9,16,and 17. Land,level. Soil,sandy loam and gravelly; 2nd and 3rd rate. No timber. Underbrush,greasewood and mesquite. Land covered with dense underbrush,49.73 chs.
	N0°02'W.bet:secs.8 and 9.
	Over level land through dense brush.
4.50	Road,bears NE.and SW.
25.15	Road,bears E.and W.
31.55	Wash,20 lks.wide,course ESE.
40.00	Set a malpais stone,21X6X5ins.,16ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face; dig pits,18X18X12ins., N.and S.of stone,3ft.dist.; and raise a mound of earth,3,1/2 ft.base,1,1/2 ft.high,W.of cor.
47.00	Road,bears E.and W.
61.50	Wash,15 lks.wide,course ESE.
80.00	Set a porphyry stone,18X9X5ins.,12ins.in the ground,for cor.of secs.4,5,8,and 9,marked with 5 notches on S.and 4 notches on E.edge; dig pits,18X18X12ins.,in each sec.5,1/2 ft.dist.; and raise a mound of earth,4ft.base,2ft.high,W.of cor. Land,level. Soil,sandy and gravelly; 2nd and 3rd rate. No timber. Underbrush,greasewood. Land covered with dense underbrush,80.00 chs.
	N89°59'E.on random line bet.secs.4 and 9.
40.00	Set temp. $\frac{1}{4}$ sec.cor.
80.09	Intersect N.and S.line,14.lks.N.of cor.of secs.3,4,9 and 10.
	Thence I run
	N89°55'W.on true line bet.secs.4 and 9.
	Over level land through dense brush.
3.20	Wash,10 lks.wide,course SE.
16.20	Road,bears NE.and SW.
19.70	Road,bears N.and S.
40.045	Set a granite stone,18X8X6ins.,12ins.in the ground,for $\frac{1}{4}$ sec.cor.marked $\frac{1}{4}$ on N.face; dig pits,18X18X12ins., E.and W.of stone,3ft.dist.; and raise a mound,of earth,

Subdivision of Township 5 North Range 13 West.

chains.

40.85 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
 Old road, bears N. and S.
 80.09 The cor. of secs. 4, 5, 8, and 9.
 Land, level.
 Soil, sandy and gravelly; 3rd rate.
 No timber.
 Underbrush, greasewood and mesquite.
 Land covered with dense underbrush, 80.09 chs.

40.00 N0°02'W. on random line bet. secs. 4 and 5.
 Set temp. 1/4 sec. cor.
 80.17 Intersect the N. bdy. of the Tp., 5 lks. W. of the cor. of
 secs. 4, 5, 32 and 33.

Thence I run
 South on true line bet. secs. 4 and 5.
 Over level land through dense brush.
 19.80 Wash, 15 lks. wide, course SE.
 20.15 Wash, 20 lks. wide, course SE.
 35.85 Wash, 20 lks. wide, course SE.
~~40.00~~ Set a quartzite stone, 21x6x6 ins., 16 ins. in the ground, for
 40.17 1/4 sec. cor., marked 1/4 on W. face; dig pits, 18x18x12 ins.,
 N. and S. of stone, 3 ft. dist.; and raise a mound of earth,
 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
 80.17 The cor. of secs. 4, 5, 8, and 9.
 Land, level.
 Soil, sandy and gravelly; 3rd rate.
 No timber.
 Underbrush, greasewood, mesquite and cacti.
 Land covered with dense underbrush, 80.17 chs.
 January 2nd, 1909.

January 3rd; At 8 a.m., l.m.t., I set off 33°43'-1/2' W
 on the lat. arc, 22°47' S. on the decl. arc; and deter-
 mine a meridian with the solar at the standard cor. of se
 secs. 31 and 32, Tp. 5 N., R. 13 W.

Thence I run
 N0°03'W. bet. secs. 31 and 32.
 Over gently rolling land through dense brush.
 6.65 Wash, 40 lks. wide, course NE.
 10.70 Wash, 30 lks. wide, course E.
 23.30 Wash, 20 lks. wide, course E.
 30.45 Wash, 30 lks. wide, course NE.
 39.00 Set a porphyry stone, 21x10x8 ins., 16 ins. in the ground, for
 witness cor. to 1/4 sec. cor. marked WC 1/4 on W. face; and
 raise a mound of stone, 2 ft. base, 1, 1/2 ft. high, W. of cor.
 Pits impracticable.
 40.00 Point for 1/4 sec. cor. falls in wash, 40 lks. wide, course E.
 51.75 Wash, 30 lks. wide, course E.
 80.00 Set a porphyry stone, 21x6x5 ins., 16 ins. in the ground, for
 cor. of secs. 29, 30, 31, and 32, marked with 1 notch on S.
 and 5 notches on E. edge; dig pits, 18x18x12 ins., in each/
 sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base,
 2 ft. high, W. of cor.
 Land, gently rolling.
 Soil, sandy, gravelly and stony; 4th rate.
 Timber, scattering paloverde.
 Underbrush, greasewood, paloverde, mesquite and cacti.
 Land covered with dense underbrush, 80.00 chs.

East on random line bet. secs. 29 and 32.
 40.00 Set temp. 1/4 sec. cor.
 80.07 Intersect N. and S. line, 8 lks. N. of cor. of secs. 28, 29,
 32 and 33.
 Thence I run
 N89°57'W. on true line bet. secs. 29 and 32.
 Over rolling land and through dense brush.

184

Subdivision of Township 5 North Range 13 West.

chains.	
6.25	Foot of slope; Wash, 20 lks. wide, course N.; asc.
12.10	Top of ridge, bears N. and S.; desc.
17.70	Wash, 30 lks. wide, course N.; Over nearly level land.
24.15	Wash, 20 lks. wide, course N.
34.85	Enter wash, course NE.
37.25	Leave Wash, course NE.
40.035	Set a porphyry stone, 18X6X5 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
52.35	Wash, 25 lks. wide, course NE.
80.07	The cor. of secs. 29, 30, 31, and 32. Land, level. Soil, greavelly loam; 3rd rate. Timber, scattering pal overde. Underbrush, greasewood. Land covered with dense underbrush, 80.07 chs.
West on random line bet. secs. 30 and 31.	
40.00	Set temp. 1/4 sec. cor.
79.97	Intersect W. bdy. of Tp., 7 lks. S. of cor. of secs. 25, 30, 31, and 36. Thence I run S89° 57' E. on true line bet. secs. 30 and 31. Over broken ground through dense brush.
14.20	Foot of slope, bears NNW.; asc.
19.15	Top of S. slope of Peak; desc.
23.00	Leave dense brush; ascend steep slope.
36.50	Top of rocky ridge, bears N. and S.; desc.
39.97	Set a quartzite stone, 18X8X6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone, 2 ft. base, 1, 1/2 ft. high, N. of cor. Pits impracticable.
44.25	High sharp peak, bears S. 6.00 chs. dist.
48.20	Foot of descent, bears N. and S.; Over rolling land through dense brush.
60.25	Wash, 60 lks. wide, course N.
68.15	Wash, 30 lks. wide, course NE.
78.70	Wash, 20 lks. wide, course NE.
79.97	The cor. of secs. 29, 30, 31, and 32. Land, mountainous, gently rolling and broken. Soil, gravelly, stony and rocky; 4th rate. Timber, scattering paloverde and ironwood. Underbrush, greasewood, paloverde, mesquite and cacti. Land covered with dense underbrush, or mountainous, 79.97 chs.
N0° 03' W. bet. secs. 29 and 30.	
Over nearly level land through dense brush.	
4.05	Wash, 20 lks. wide, course NE.
20.10	Wash, 20 lks. wide, course NE.
40.00	Set a porphyry stone, 21X6X6 ins., 16 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
80.00	Set a porphyry stone, 21X6X6 ins., 16 ins. in the ground, for cor. of secs. 19, 20, 29, and 30, marked with 2 notches on S. and 5 notches on E. edge; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base 2 ft. high, W. of cor. Land, nearly level. Soil, sandy and gravelly; 3rd and 4th rate. No timber. Underbrush, greasewood. Land covered with dense underbrush, 80.00 chs.
S89° 57' E. on random line bet. secs. 20 and 29.	
40.00	set temp. 1/4 sec. cor.

Subdivision of Township 5 North Range 13 West.

chains.	
80.16	Intersect N. and S. line, 14 lks. S. of cor. of secs. 20, 21, 28 and 29. Thence I run S89°57'W. on true line bet. secs. 20 and 29. Over level land through dense brush.
1.15	Wash, 20 lks. wide, course NE.
9.90	Wash, 20 lks. wide, course NNE.
38.75	Wash, 30 lks. wide, course NNE.
40.08	Set a porphyry stone, 21X10X5 ins., 16 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
41.10	Wash, 40 lks. wide, course N.
58.10	Wash, 15 lks. wide, course N.
62.46	Wash, 15 lks. wide, course N.
80.16	The cor. of secs. 19, 20, 29, and 30. Land, level. Soil, sandy; 3rd rate. Timber, scattering mesquite. Underbrush, greasewood and cacti. Land covered with dense underbrush, 80.16 chs. At this cor. I set off 22°48'-1/2' S. on the decl. arc and observe the sun on the meridian at noon; the resulting lat. is 33°45' N. ✓
40.00	N89°57'W. on random line bet. secs. 19 and 30. Set temp. $\frac{1}{4}$ sec. cor.
79.93	Intersect W. bdy. of Tp., 5 lks. S. of cor. of secs. 19, 24, 25, and 30. Thence I run S89°55'E. on true line, bet. secs. 19 and 30. Over gently rolling land through dense brush.
0.70	Wash, 40 lks. wide, course NW.
15.80	Wash, 50 lks. wide, course NNW.
27.75	Wash, 20 lks. wide, course N.
30.05	Wash, 25 lks. wide, course NNE.
35.05	Wash, 40 lks. wide, course NW.
39.93	Set a porphyry stone, 18X6X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.
77.11	Wash, 30 lks. wide, course N.
79.93	The cor. of secs. 19, 20, 29, and 30. Land, gently rolling and level. Soil, sandy and gravelly; 3rd and 4th rate. No timber. Underbrush, greasewood, mesquite and cacti. Land covered with dense underbrush, 79.93 chs.
40.00	N0°03'W. bet. secs. 19 and 20. Over level land through dense underbrush, Set a porphyry stone, 18X8X6 ins., 12 ins. in the ground, for $\frac{1}{4}$ sec. cor., marked $\frac{1}{4}$ on W. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, W. of cor.
50.40	Road, bears NE. and SW.
62.70	Railroad, bears NE. and SW.
73.15	Telegraph line, bears NE. and SW.
80.00	Set a porphyry stone, 18X8X6 ins., 12 ins. in the ground, for cor. of secs. 17, 18, 19, and 20, marked with 3 notches on S. and 5 notches on E. edge; dig pits, 18X18X12 ins., in each sec. 5, 1/2 ft. dist.; and raise a mound of earth, 4 ft. base, 2 ft. high, W. of cor. Land, level. Soil, sandy and gravelly; 3rd rate. No timber. Underbrush, greasewood. Land covered with dense underbrush, 80.00 chs.

186

Subdivision of Township 5 North Range 13 West.

chains.

40.00
80.09

N89°57'E.on random line bet .secs.17 and 20.
Set temp. 1/4 sec.cor.
Intersect N.and S.line,7 lks.N.of cor.of secs.16,17,
20 and 21.

Thence I run
West on true line bet .secs.17 and 20.
Over level land through dense brush.

6.85
11.40
18.15
28.10
40.045

Road,bears NE.and SW.
Wash,50 lks.wide,course NE.
Wash,50 lks.wide,course SE.
Road,bears NW and SE.
Set a porphyry stone,18X6X6ins.,12ins.in the ground,for
1/4 sec.cor.,marked 1/4 on N.face; dig pits,18X18X12ins.,
E.and W.of stone,3ft.dist.; and raise a mound of earth,
3,1/2 ft.base,1,1/2 ft.high,N.of cor.

42.05
52.39
53.40
75.25
80.09

Road,bears NE.and SW.
Railroad,bears NE.and SW.
Telegraph line,bears NE.and SW.
Road,bears,NE.and SW.
The cor.of secs.17,18,19,and 20.
land,level.
Soil,sandy and-gravelly;3rd and 4th rate.
No timber.
Underbrush,greasewood and mesquite.
Land covered with dense underbrush,80.09 chs.

40.00
79.87

N89°55'W.on random line bet .secs.18 and 19.
Set temp. 1/4 sec.cor.
Intersect W.bdy of Tp.,16 lks.N.of cor.of se s.13,18,
19,and 20.

Thence I run
N89°58'E.on true line bet .secs.18 and 19.
Over gently rolling land through dense brush,

30.70
39.87
40.45
62.35
79.87

Wash,30 lks.wide,course SE.; over level land.
Set a porphyry stone,18X6X6ins.,12ins.in the ground,for
1/4 sec.cor.,marked 1/4 on N.face; and raise a mound of
stone,2ft.base,1,1/2 ft.high,N.of cor.Pits impracticable.
Wash,15 lks.wide,course S.
Wash,20 lks.wide,course S.
The cor.of secs.17,18,19,and 20.
Land,gently rolling and level.
Soil,sandy,gravelly and stony; 3rd and 4th rate.
Timber,scattering mesquite and paloverde.
Underbrush,greasewood,mesquite,paloverde and cacti.
Land covered with dense underbrush,79.87 chs.

January 3rd,1909.

January 4th; At 8 a.m.,l.m.t.,I set off 33°46'N.on
the lat.arc, 22°41'S.on the decl.arc, and determine
a meridian with the solar at the cor.of secs.17,18,19,
and 20.

Thence I run
N0°03'W.bet.secs.17 and 18.
Over level land through dense brush.

14.30
25.55
40.00
53.70
60.30
61.15
66.75
80.00

Old road,bears NW.and SE.
Wash,60 lks.wide,course SE.
Set a granite stone,18X8X6ins.,12ins.,in the ground,for
1/4 sec.cor,marked 1/4 on W.face; dig pits,18X18X12ins.,
N.and S.of stone,3ft.dist.; and raise a mound of earth,
3,1/2 ft.base,1,1/2 ft.high,W.of cor.
Road,bears WNW and ESE.
Road,bears NW.and SE.
Wash,30 lks.wide,course SE.
Wash,30 lks.wide,course SE.
Set a porphyry stone,21X8X6ins.,16ins.in the ground,for
cor.of secs.7,8,17,and 18,marked with 4 notches on S.
and 5 notches on E.edge; dig pits,18X18X12ins.,in each
sec.5,1/2 ft.dist.; and raise a mound of earth 4ft.bse.

Subdivision of Township 5 North Range 13 West.

chains.	2ft.high,W.of cor. Land,level. Soil,sandy and gravelly; 3rd and 4th rate. No timber. Underbrush,greasewood and mesquite. Land covered with dense underbrush,80.00 chs.
40.00	East on random line bet.secs.8 and 17. Set temp. $\frac{1}{4}$ sec.cor.
80.03	Intersect N,and S.line,2 lks.N.of cor.of secs.8,9,16, and 17. Thence I run N89°59'W.on true line bet.secs.8 and 17. Over level land through dense brush.
8.90	Road,bears NE.and SW.
40.015	Set a porphyry stone,18X8X5ins.,12ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face; dig pits,18X18X12ins., E.and W.of stone,3ft.dist.; and raise a mound of earth, 3,1/2 ft.base,1,1/2 ft.high,N.of cor.
43.60	Wash,15 lks.wide,course S.
62.40	Wash,15 lks.wide,course SE.
80.03	The cor.of secs.7,8,17,and 18. Land,level. Soil,sandy and gravelly loam; 2nd and 3rd rate. No timber. Underbrush,greasewood and mesquite. Land covered with dense underbrush,80.03 chs.
40.00	S89°58'W.on random line bet.secs.7 and 18. Set temp. $\frac{1}{4}$ sec.cor.
79.69	Intersect W.bdy.of Tp.,14 lks.S.of cor.of secs.7,12, 13,and 18. Thence I run S89°56'E.on true line bet .secs.7 and 18. Over level land through dense brush.
49.85	Wash,40 lks.wide,course S.
10.75	Road,bears NW.and SE.
39.69	Set a porphyry stone,21X6X6ins.,16ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on N.face; dig pits,18X18X12ins.,E. and W.of stone,3ft.dist.; and raise a mound of earth, 3,1/2 ft.base,1,1/2 ft.high,N.of cor.
50.75	Road,bears NW.and SE.
70.45	Wash,40 lks.wide,course S.
79.69	The cor.of secs.7,8,17,and 18. Land,level. Soil,sandy and gravelly; 3rd and 4th.rate. Timber,scattering mesquite. Underbrush,greasewood and cacti. Land covered with dense underbrush,79,69 chs.
8.75	N0°03'W.bet.secs.7 and 8. Over level land through dense brush, Wash,10 lks.wide,course SE.
26.60	Wash,10 lks.wide,course SE.
27.55	Road,bears E.and W.
40.00	Set a porphyry stone,18X6X6ins.,12ins.in the ground,for $\frac{1}{4}$ sec.cor.,marked $\frac{1}{4}$ on W.face; dig pits,18X18X12ins., N.and S.of stone,3ft.dist.; and raise a mound of earth, 3,1/2 ft.base,1,1/2 ft.high,W.of cor.
47.60	Wash,15 lks.wide,course SE.
68.05	Wash,30 lks.wide,course SE.
80.00	Set a porphyry stone,24X8X6ins.,18ins.in the ground,for cor.of secs.5,6,7,and 8,marked with 5 notches on S.and E.edges; dig pits,18X18X12ins.,in each sec.5,1/2 ft.dist. and raise a mound of earth,4ft.base,2ft.high,W.of cor.

188

Subdivision of Township 5 North Range 13 West.

chains

Land, level.
Soil, sandy and gravelly; 3rd and 4th rate.
No timber.
Underbrush, greasewood.
Land covered with dense underbrush, 80.00 chs.
At this cor. I set off 22°42-1/2'S. on the decl. arc and observe the sun on the meridian at noon; the resulting lat. is 33°48'N.

40.00
79.96

S89°59'E. on random line bet. secs. 5 and 8.
Set temp. 1/4 sec. cor.
Intersect N. and S. line, 7 lks. N. of cor. of secs. 4, 5, 8, and 9.

1.45
9.40
26.70
39.98

Thence I run
N89°56'W. off true line bet. secs. 5 and 8.
Over level land through dense brush.
Wash, 10 lks. wide, course S.
Wash, 10 lks. wide, course S.
Wash, 15 lks. wide, course SE.
Set a malpais stone, 18X6X6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; dig pits, 18X18X12 ins., E. and W. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.

51.75
59.50
79.96

Wash, 20 lks. wide, course SE.
Road, bears NW and SE.
The cor. of secs. 5, 6, 7, and 8.

Land, level.
Soil, sandy loam and gravelly; 2nd and 3rd rate.
No timber.
Underbrush, greasewood, mesquite and cacti.
Land covered with dense underbrush, 79.96 chs.

40.00
79.60

N89°56'W. on random line bet. secs. 6 and 7.
Set temp. 1/4 sec. cor.
Intersect W. bdy. of Tp., 12 lks. S. of cor. of secs. 1, 6, 7, and 12.

39.60

Thence I run
S89°51'E. on true line bet. secs. 6 and 7.
Over level land through dense brush.
Set a porphyry stone, 18X8X6 ins., 12 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; and raise a mound of stone 2 ft. base, 1, 1/2 ft. high, N. of cor. Pits impracticable.

48.15
79.60

Wash, 15 lks. wide, course SE.
The cor. of secs. 5, 6, 7, and 8.
Land, level.
Soil, sandy and gravelly.; 3rd rate.
No timber.
Underbrush, greasewood, mesquite and cacti.
Land covered with dense underbrush, 79.60 chs.

40.00
80.02

N0°03'W. on random line bet. secs. 5 and 6.
Set temp. 1/4 sec. cor.
Intersect N. bdy. of Tp., 14 lks. W. of cor. of secs. 5, 6, 31, and 32.

9.40
40.02

Thence I run
S0°03'W. on true line bet. secs. 5 and 6.
Over level land through dense brush.
Wash, 10 lks. wide, course SE.
Set a porphyry stone, 21X8X6 ins., 16 ins. in the ground, for 1/4 sec. cor., marked 1/4 on N. face; dig pits, 18X18X12 ins., N. and S. of stone, 3 ft. dist.; and raise a mound of earth, 3, 1/2 ft. base, 1, 1/2 ft. high, N. of cor.

40.65
67.50
80.02

Wash, 10 lks. wide, course SE.
Road, bears NW and SE.
The cor. of secs. 5, 6, 7, and 8.
Land, level.
Soil, sandy and gravelly; 3rd rate.

Subdivision of Township 5 North Range 13 West.

chains

No timber.
Underbrush, greasewood and cacti.
Land covered with dense underbrush, 80.02 chs.

January 4th, 1909.

GENERAL DESCRIPTION.

This Township is mostly level, being hilly in the eastern portion and along the South boundary, the growth of timber is very slight but the entire Tp., is covered with dense underbrush.

The town of Salome is located in Sec 16.

Jose Sanches has a house in the SE. $\frac{1}{4}$ of the SW. $\frac{1}{4}$ of section 1.

John P. Hesse
U.S. Deputy Surveyor.

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For authority for red ink corrections see Deputy's letter 7/1/09
and 8/20/09

LIST OF NAMES.

A list of the names of the individuals employed by John P. Hesse
United States Deputy Surveyor, to assist in running, measuring, and
marking the lines and corners described in the foregoing field notes of the survey of the
subdivision lines of Tp. 5 N. Rg. 13 W.
showing the respective capacities in which they acted:

Harry J. Ingalls, Chairman.

Wilfred B. Helmer, Chairman.

Moundman.

Moundman.

A. W. Oliver, Axman.

Axman.

A. R. Saunders, Flagman.

Flagman.

FINAL OATH OF ASSISTANTS.

We hereby certify that we assisted John P. Hesse
United States Deputy Surveyor, in surveying all
those parts or portions of the the subdivision lines of Tp. 5 N. Rg.
13 W.

of the Gila and
Salt River meridian, Territory of Arizona, which are represented
in the foregoing field notes as having been surveyed by him and under his direction; and that said survey
has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the
corner monuments established, according to the instructions furnished by the United States Surveyor
General for Arizona

Harry J. Ingalls, Chairman.

Wilfred B. Helmer, Chairman.

Moundman.

Moundman.

A. W. Oliver, Axman.

Axman.

A. R. Saunders, Flagman.

Flagman.

Subscribed and sworn to before me this 4th
day of January, 1909



John P. Hesse
U.S. Dep. Surveyor

191
25
BOOK

2125 FINAL OATH OF UNITED STATES DEPUTY SURVEYOR.

I, John P. Hesse, United States Deputy Surveyor, do solemnly swear that, in pursuance of a contract received from Frank J. Ingalls United States Surveyor General for Arizona, bearing date of the 10th day of October, 1908, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the subdivision lines of Pp. 5 N. Rg 13 W.

of the Gila and Salt River meridian, in the Territory of Arizona, which are represented in the foregoing field notes as having been surveyed by me, and under my direction; and I do further solemnly swear that all the corners of said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instructions, and the special written instructions of the United States Surveyor General for Arizona and in the specific manner described in the field notes, and that the foregoing are the original field notes of such survey.

John P. Hesse
United States Deputy Surveyor.

Subscribed by said John P. Hesse, and sworn to before me }
this first day of March, 1909, 190

Frank J. Ingalls
U. S. SURVEYOR GENERAL



APPROVAL.

OFFICE OF THE UNITED STATES SURVEYOR GENERAL,

Phoenix, Ariz. Aug. 25, 1909

The foregoing field notes of the survey of the subdivision lines of Pp. 5 N. Rg 13 E, Gila and Salt River Base and Meridian, Arizona

executed by John P. Hesse U.S. Deputy Surveyor under his contract No. 157, dated Oct. 10, 1908, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank J. Ingalls
United States Surveyor General.

I certify that the foregoing transcript of the field notes of the above-described surveys in _____, has been correctly copied from the original notes on file in this office.

United States Surveyor General.