

946

BOOK 946

No. 946

4-671

FIELD NOTES
GENERAL LAND OFFICE.

SUBDIVISION

- T18. S R20E

CONTRACT. 65

PHILIP

CONTZEN

U. S. D. SUR

~~#~~
1.

Index for {
 BOOK 946
 BOOK 947
 BOOK 948

(4-674.)

Township 18 S R. 20 E

6	140	5	111	4	88	3	59	2	31	1
139		137		109		86		57		28
7	136	8	107	9	82	10	53	11	25	12
135		133		105		80		50		22
18	131	17	103	16	77	15	48	14	19	13
131		127		102		75		46		16
19	124	20	99	21	73	22	42	23	13	24
129		121		97		70		40		10
30	118	29	94	28	67	27	38	26	8	25
117		115		93		65		36		7
31	113	32	90	33	62	34	33	35	2	36

Unrecorded S. N.
 S. N. Nov. 5-01

Field Notes
 of the survey of the
 Subdivision Lines
 of
 Township No. 18 South
 Range No. 20 East
 of the
 Gila and Salt River Basins ^{and Meridian}
 in the
 Territory of Arizona
 as surveyed by

Philip Gutzem
 U. S. Deputy Surveyor

Under his contract No. 65.
 Dated May 22, 1900.

Survey commenced, March 1, 1901.
 Survey completed, March 15, 1901.

4

BOOK 946

3^d blank
 Subdivision of Sp 18 South
 Chains

Owing to the E bdy being out in
 alignment and measurement, I find
 it necessary to run a sectional
 guide meridian.

March 1, 1901. At 7^h ~~0~~^m a.m., lmt.
 I set off $31^{\circ}49'$ on the lat arc, $74^{\circ}18'$
 on the decl arc, and determine
 a true meridian with the solar
 at the eve of sres 1, 2, 35 and 36 on
 the S bdy of the Sp.

Shance Iron

On sectional Guide Meridian
 North bet sres 35 and 36
 Over mountainous land

Through dense undergrowth
 Ascending

10.00 Top of ascent, bears E and W.

17.70 Descend

20.50 Gulch 100 lks wide, course easterly

Range 20 East - continued

- Chains
- ascend
- 22.00 Top bars E and W, descend
- 23.50 Foot and enter small valley, bars E and W.
- 32.90 Wash 15 lks wide, course easterly
- 35.00 Ascend
- 37.70 Top of ascent, bars E and W
- 40.00 Set a granite stone 18x10x6 ins, 12 ins in the ground, for $\frac{1}{4}$ sec cor, marked 735 on W and 36 on E faces, and raise a mound of stone 2 ft base, $1\frac{1}{2}$ ft high, W of cor. Pits impracticable.
- 41.30 Descend steep bank.
- 42.30 Foot of descent.
- 45.00 Ascend.
- 50.00 Top of spur, bars E and W, descend
- 52.00 Gulch 10 lks wide, course southerly, ascend

Subdivision of Township 18 South

Chains
56.00

Pop, bars E and W, and entire level land.

8.00

Set a granite stone 18x10x5 ins, 12 ins in the ground, for cor of secs 25, 26, 35 and 36, marked with 1 notch on S and 1 notch on E edges; dug pits 18x18x12 ins, in each sec, 5 1/2 ft. dist, and raised a mound of earth 4 ft base, 2 ft high, W of cor.

Land, mountainous and level

Soil, gravelly; 2 rats

Timber, a few mesquites, undergrowth,

greasewood and magnolia

Mountainous land or land covered

with dense undergrowth, 8000 chs.

From cor of secs 25, 26, 35 and 36,
cor of secs 25, 30, 31 and 36 on E bdy

Range 20 East - continued

- Chains
- Runs $S 89^{\circ} 55' E$, therefore from $S 89^{\circ} 55' E$ on a true line bet sees 25 and 36.
- Over level and rolling land through dense grasswood.
- 12.00 Desert gradually
- 14.00 Foot and enter level land
- 40.00 Set a granite stone $18 \times 12 \times 4$ ins, 12 ins in the ground, for $\frac{1}{4}$ sec 20, marked $\frac{1}{4}$ 25 on N and 36 on S face, dug pits $18 \times 18 \times 12$ ins E and W of stone, 3 ft dist, and raised a mound of earth $3 \frac{1}{2}$ ft base, $1 \frac{1}{2}$ ft high, N of cor.
- 66.00 Draw dense undergrowth
- 80.08 Enter set E bdy of Np at the cor of sees 25, 30, 31 and 36 as heretofore described
- Land, level and rolling

Subdivision of Township 18 South

Chains

Soil, gravelly; 2^d and 3^d rates.

No timber.

Land covered with dense undergrowth, 66.00 chs.

On Sectional Guide Meridian
North bet sec 25 and 26

Over level and rolling land
through dense grasswood
and hots.

26.50 Drsemd.

27.50 Foot.

30.00 Wash 30 chs wide, course easterly

37.00 Asermd

40.00 Set a limestone 18x12x10 ins, 12 ins
in the ground for $\frac{1}{4}$ sec cor,
marked $\frac{1}{4}$ 26 on W and 25 on E
faces, and raise a mound of stone
2 ft base, 1 $\frac{1}{2}$ ft high, W of cor.

Range 20 East - Continued

Chains

Pits impracticable.

41.00 Pop; descend

57.80 Wash 10 lbs wide, course easterly;
ascend

66.50 Pop; descend

68.20 Foot; wash 10 lbs wide, course
easterly; ascend

73.00 Pop

80.00 Set a granite stone 18x12x10
ins, 12 ins in the ground, for, ev
of sec's 23, 24, 25 and 26, marked
with 2 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 ev. Pits impracticable.
Land, level and rolling
Soil, gravelly; 3 rats
No timber; undergrowth, grass
wood and tussock

Subdivision of Township 18 South

Chains	Land covered with dense undergrowth, 85.00 chs.
	South $89^{\circ}55'$ E, and true line bet sees 24 and 25.
	Over mountainous and level land through dense grasswood.
2.90	Descend.
5.90	Head of gulch 10 lks wide, course N easterly; ascend
7.90	Top
12.90	Descend.
15.60	Gulch 20 lks wide, course N easterly; ascend.
21.90	Same gulch, 50 lks wide, course S easterly.
25.70	Wash 5 lks wide, course N easterly, cross dense and enter scattering undergrowth.

Range 20 East-continued

Chairs 26.90	Ascend
31.00	Top of ridge, bears N ^o and S ^o W.
33.90	Descend
37.90	Foot
40.00	Set a granite stone 18x10x10 ins, 12 ins in the ground, for $\frac{1}{4}$ sec ev, marked $\frac{1}{4}$ 24 on N and 25 S faces, dug pits 18x18x12 ins, E and W of stone, 3 ft dist, and raised a mound of earth 3 $\frac{1}{2}$ ft base, 1 $\frac{1}{2}$ ft high, N of ev
40.90	Wash 10 lbs wide, course N easterly
41.40	Ascend
46.50	Top of ascent; descend
47.90	Top of little round knoll, bears 50 lbs N
50.00	Foot of descent bears N and S and greater San Pedro valley. Road N W and S E.
80.90	Intersect E bdy of the Sp 80 lbs

Subdivision of Township 18 South

Chairs N of cor of secs 19 and 30, as heretofore, ^{described}
 Set a limestone $18 \times 10 \times 5$ ins, 12
 ins in the ground, for closing cor
 of secs 24 and 25, marked S. C.
 on W, with 2 grooves on S. and
 4 grooves on N faces; dug
 pits $24 \times 18 \times 12$ ins on each line
 N and S 3 ft., and W of stone 7
 ft dist, and raised a mound of
 earth 4 ft base; 2 ft high, W
 of cor.

Land, mountainous and level
 Soil, gravelly; 2^d and 3^d rate
 No timber; undergrowth, grass
 wood

Mountainous land or land covered
 with dense undergrowth, scrub

March 1, 1901

Range 20 East - continued

Chains March 2, 1901.

On Sectional Guide Meridian.

North bet sees 23 and 24.

Over mountains and level land

16.80 Descend

18.00 Wash 5 lks wide, course easterly;
ascend

19.00 Top of ridge, bears E and W.

29.60 Descend

33.50 Spur, bears N

34.70 Enter small valley, bears NE
and SW.4.00 Set a granite stone 18x14x4 ins,
12 ins in the ground, for $\frac{1}{4}$ sec
see, marked $\frac{1}{4}$ 23 on W and 24 on
E faces, from which a mesquite
3 ins diam, bears N $73\frac{1}{2}^{\circ}$ E, 196 lks
dist, marked $\frac{1}{4}$ S 24, B. 7.

Subdivision of Township 18 South

Chains	A mesquite 5 ins chain, bears S $11\frac{1}{4}^{\circ}$ W, 263 lks dist, marked $\frac{1}{4}$ S 23, B. 71
40.60	Ascend spur bears S E.
42.90	Top; descend.
43.60	Crosser valley.
45.50	Ascend and leave valley
46.50	Top of spur, bears N W and S E, descend.
50.00	Crosser valley.
52.20	Ascend and leave valley
55.00	Top of ridge, bears N E and S W.
58.70	Descend.
60.00	Foot and enter draw.
64.30	Leave draw, bears N E and S W, ascend.
66.30	Top.
68.00	Foot and enter valley, bears E + W.
74.00	Wash 100 lks wide, course easterly.

Range 20 East-Continued

Chertis
 79.40 Wash 70 lbs wide, course easterly.
 79.80 Ascend.
 8000 Set a granite stone $18 \times 12 \times 8$ ins, 12
 ins in the ground, for cor of sec
 13, 14, 23 and 24, marked with 3
 notches on S and 1 notch on E
 edges, from which a mesquite
 14 ins diam, bears $N 70^{\circ} W$, 48
 lbs dist, marked S 18 S, R 20 E,
 S 14, B. 7.

A mesquite 24 ins diam, bears S
 $26\frac{1}{2}^{\circ} E$, 178 lbs dist, marked S 18 S,
 R 20 E, S 24, B. 7.

A mesquite 24 ins diam, bears
 $S 50^{\circ} W$, 20 lbs dist, marked S 18 S,
 R 20 ^E, S 23, B. 7.; no other trees
 within limit, and raise a mound
 of stone 2 ft base, $1\frac{1}{2}$ ft high, W
 of cor. Pits impracticable.

Subdivision of Pumphrey 18 South
Chairs

Land, mountainous and level.

Soil, gravelly, and sandy, 2^d and
3^d rates.

Timber, some mesquite trees; un-
dergrowth, greasewood and tresta
Mountainous land or land covered
with dense undergrowth, 8,400 Chs

S 89° 55' E, on a true line bet
trees 13 and 24.

Over mountainous, rolling and level
land

Averaging

2.00 Top of ridge, bears S 80° E

3.00 Descend

4.50 Foot and enter valley, (bears E and
W), and dense tresta and mesquite
undergrowth

11.50 Road, bears N W and S E

Range 20 East-continued

- Chains
- 13.40 Enter Wash, course \nearrow easterly
- 22.00 Leave wash
- 23.00 Bond, bears \nearrow W and S. E.
- 4.000 Set a granite stone 18 x 10 x 8 ins, 12 ins in the ground, for $\frac{1}{4}$ sec cor marked $\frac{1}{4}$ 13 on \nearrow and 24 on S faces, from which a mesquite 8 ins diam, bears \nearrow 28° E, 145 lbs dist, marked $\frac{1}{4}$ S 13 B. 7.
- A tree 5 ins diam, bears S, 52° E, 140 lbs dist, marked $\frac{1}{4}$ S 24 B. 7, and raise a mound of stone 2 ft base, 1 $\frac{1}{2}$ ft high, \nearrow of cor.
- 50.30 Wash 40 lbs wide, course \nearrow easterly
- 51.00 Leave dense undergrowth
- 55.00 Leave valley, bears E
- 55.50 Spur, bears \nearrow and S
- 57.40 Foot of spur and enter San Pedro valley

Subdivision of Township 18 South
Chains bears N

71.40 Wash 5 lks wide, course N 85° E

75.60 Same wash, 5 lks wide, course S
easterly

80.90 Intersect E bdy of Sec 90 lks
N of cor of secs 18 and 19 as heretofore
described.

Set a granite stone 18x12x6 ins
12 ins in the ground, for closing
cor of secs 13 and 24, marked D.C.
on W, with 3 grooves on S and 3
grooves on N faces; dug pits
24x18x12 ins, crosswise on each
line, N and S 3 ft, and W of
stone 7 ft dist, and raised a mound
of earth 4 ft base, 2 ft high W
of cor.

Land, mountainous rolling
and level

Range 20 East - Continued

Chains

Soil, gravelly; sand & gravel
 Similar, a few mesquites, undergrowth
 tesota and mesquite
 Mountainous land or land covered
 with dense undergrowth, 57.40 chs

On Sectional Guide Meridian

North bet sees 13 and 14

Over mountainous and level land

Ascending steep

1.00 Top of spur, bears NW and SE.

4.00 Spur, bears SE

7.00 Spur, bears S.E.

9.50 Descend

10.50 Gulch 5 chs wide, course easterly,
ascend

12.00 Top of mesa

13.00 Cross, bears NW, and SE

32.00 Descend

Subdivision of Township 18 South

33.00	Chairs Wash 5 lks wide, course S easterly
34.00	Top of ascent
39.70	Descend
40.00	Set a sandstone 18 x 12 x 6 ins, 12 ins in the ground, for $\frac{1}{4}$ sec corner marked $\frac{1}{4}$ 14 on W and 13 on E faces, and raise a mound of stone 2 ft base, + $\frac{1}{2}$ ft high W of cor. Pit's impracticable
41.00	Start
41.70	Wash 20 lks wide, course N easterly
44.00	Ascent; valley turns here and bears N
47.30	Top of spur, bears E; descend
48.70	Wash 10 lks wide, course, easterly; ascent
50.00	Top
51.20	Descend
52.30	Wash 5 lks wide, course easterly;

Range 20 East-continued

Chairs

ascend

54.00 Top of spur, bears N W and S E

6.00 Ascend

69.40 Top, bears E and W, descend

7.00 Foot and enter valley, bears N W
and S E, joins small valley, bears
5 chs E.

74.00 Enter wash, course easterly;

79.50 Leave wash

8.00 Set a granite stone 18x12x8 ins,
12 ins in the ground, for cor of
secs 11, 12, 13 and 14, marked with
4 notches on S and 1 notch on E
edges, from which a trsota 6 ins
in diam, bears S $13\frac{1}{4}^{\circ}$ E, 84 chs
dist, marked P 18 S, R 20 E, S 13,
B. 7.A trsota 6 ins diam, bears S $47\frac{1}{2}^{\circ}$
W, 84 chs dist, marked P 18 S.

Subdivision of Township 18 South
 Chocoma

R 20 R, S 14 B. 57; no other trees
 within limit, and raise a mound
 of stone 2 ft base, 1½ ft high, NW
 of cor. Pitt's impracticable.

Land, mountainous and level
 Soil, gravelly; 2^d rate

Timber, mesquite; undergrowth,
 tesota and grasses of

Mountainous land or lands covered
 with dense undergrowth, 8000 ch

S 89° 55' E on a true line bet secs
 12 and 13.

Over mountainous, rolling and
 level land

Through dense tesota undergrowth

2.50 Enter wash

5.00 Leave wash; course N easterly.

6.80 Wash 30 lks wide, course N easterly

Range 20 East-Continued

- Chains
8.00 Ascent
- 10.50 Top of spur, bears N 60 and S W.
leave tracks and enter grasswood
undergrowth
- 24.90 Wash 10 lks wide, course N easterly
- 31.80 Wash 5 lks wide, course N easterly
- 40.00 Set a granite stone 18x10x8 ins, 12
ins in the ground,
ins ~~12~~ for 4 sec cor, marked
 $\frac{1}{4}$ 12 on N and 13 on S faces; dug
pits 18x18x12 ins, E and W of stone,
3 ft dist, and raised a mound of
earth $3\frac{1}{2}$ ft base, $1\frac{1}{2}$ ft high, N of
cor from which a scrub mesquite
8 ins diam, bears S $14\frac{1}{2}$ ° E, 135
lks dist, marked $\frac{1}{4}$ S 13, 13.7.
- 45.00 Wash, 10 lks wide, course N easterly,
ascent
- 47.50 Top of ascent
- 54.40 Foot

Subdivision of Township 18, South

- | | |
|--------|--|
| Chains | |
| 55.00 | Wash 10 lks wide, course N easterly |
| 58.00 | Top of ascent, bears N W and S E. |
| 60.00 | Descend and have dense grass-wood |
| 63.70 | Spur, bears S E; descend |
| 68.30 | Spur, bears S E; descend |
| 71.00 | Foot of descent and enter San Pedro valley. |
| 80.90 | Intersect E bdy of Tp 94 lks N 0° 39' E of cor of secs 7 and 18 as heretofore described. |

Set a granite stone 18x10x10 ins 12 ins in the ground, for closing cor of secs 12 and 13, marked C, C, on W, with 4 grooves on S and 2 grooves on N face, dig pits 24x18x12 ins crosswise on each line, N and S 3 ft and W of stone 7 ft dist, and

Range 20 East-Continued

Stravis

raised a mound of earth 4 ft
base, 2 ft high, W of cor.

Land, mountainous, rolling
and level.

Soil, sandy and gravelly; 2^d and
3^d rate

No timber; undergrowth, greas-
ewood, sage, mesquite and trestle.

Mountainous land or land covered
with dense undergrowth, 51.00 chs

March 2, 1901

March 3, 1901

On Sectional Guide Meridian
North bet secs 11 and 12

Over mountainous and level land

2.00 Cross valley, bears E; ascend

2.80 Top of ridge, bears E and W;
descend

Subdivision of Township 18 South

- | | |
|----------------|--|
| Chairs
4.20 | Foot, valley bars N E and S W |
| 5.20 | Wash 10 lks wide, course N easterly |
| 17.00 | Leave valley and ascend |
| 19.70 | Top of spur, bars N E; descend |
| 21.20 | Gulch 20 lks wide, course N easterly
ascend |
| 25.00 | Top of ridge, bars N W, and
S E; descend |
| 28.00 | Gulch 10 lks wide, course N easterly;
ascend |
| 29.40 | Top of spur, bars N E; descend |
| 31.10 | Wash 25 lks wide, course easterly |
| 33.00 | Ascend |
| 35.00 | Top |
| 38.00 | Head of gulch, bars E |
| 39.00 | Top of ascent |
| 40.00 | Set a granite stone 18x12x12
ins, 12 ins in the ground for
$\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ 11 on |

Range 20 East - Continued

Chairs ~~W~~ Pond 12 on E face, dug pits
 18x18x12 ins, N and S of stone 3
 ft dist, and raised a mound of
^{earth-}~~stone~~ 3 1/2 ft base, 1 1/2 ft high, W of
 cor. from which a mesquite 3 ins
 diam, bears S 22 3/4° W, 397 lks dist,
 marked 4 S 11 B 17!

43.70 Wash 5 lks wide, course N easterly

49.00 Descend

55.80 Wash 30 lks wide, course N easterly

59.80 Ascend

64.00 Top of E slope; descend

67.00 Foot and enter San Pedro Valley.

76.50 Wash 15 lks wide, course N easterly

78.50 Wash 50 lks wide, course N easterly

80.00 Set a granite stone 18x10x2 ins

12 ins in the ground for cor of
 secs 1, 2, 11 and 12, marked with
 5 notches on S and 1 notch on E

Subdivision of Township 18 South

Chairs

edges; dug pits 18x18x12 ins in each are 5 1/2 ft dist, and raised a mound of earth 4 ft base, 2 ft high W of each.

Land, mountainous and level
Soil, gravelly; 2^d and 3^d rate
Timber, a few mesquites; undergrowth, tesota and some grasswood

Mountainous land, 67.00 ch

S89°55' E, on a true line bet sec 1, and 12.

Over level land

1.75 Wash 15-lks wide, course N, naturally banks 12 ft high

6.00 Enter dense mesquite undergrowth

9.00 Wash 10 lks wide, course N

Range 20 East-continued

Chains

easterly

37.00 Ascend and leave underground

40.00 Set a limestone 18 x 12 x 8 ins, 12 ins in the ground, for $\frac{1}{4}$ sec cor, marked with 41 on N and 12 on S faces, and raise a mound of stone 2 ft base, 1 $\frac{1}{2}$ ft high, N of cor. Pit's impracticable

44.00 Top of ridge, bars NE and SW, descend

44.30 Gulch 10 lks wide, course N easterly, ascend

47.10 Top of ridge, bars NE and SW, descend

51.00 Summit, gulch 5 lks wide, course N easterly; ascend

54.00 Top of ridge, bars NE and SW, ascend

57.00 Foot and enter valley and

Subdivision of Township 18 South

- Chains dense mesquite undergrowth
- 58.30 Wash 10 lks wide, course N easterly
- 61.70 Wash 100 lks wide, course N easterly
- 63.80 Road brais NE and S.W, leave
dense and enter scattering under-
growth
- 79.20 Wash 10 lks wide, course N easterly
- x 81.34 Intersect E bdy of Sp 1.94 Ch
N of en of secs 6 and 7
Set a granite stone 18x12x8 ins,
10 in in the ground, for closing
cor of secs 1 and 12, marked
C.C. on W, with 5 grooves on
S and 1 groove on N faces, and
raise a mound of stone 2 ft
base, 1 1/2 ft high, W of cor.
Pits impracticable
Land, level and mountainous
Soil, gravelly; a rats

Range 20 East - Continued

Chains

Timber, a few mesquites, undergrowth, mesquite and greasewood
 Mountainous land or land covered with dense undergrowth 57.80 chs

From cor of secs 1, 2, 11 and 12, I observe a flag set at cor of secs 1, 2, 35 and 36 on N bdy of Sp and find the same to be our N. therefore I continue our N on Sectional Guide Meridian bet secs 1 and 2.

Our level land

- 1.00 Wash 60 lks wide, course N easterly
 1.50 Enter dense mesquite undergrowth
 23.90 Wash 15 lks wide, course, easterly
 25.00 Leave dense mesquite undergrowth, bears E and W
 30.40 Wash 20 lks wide, course N easterly

Subdivision of Township 18 South

- Chains
4 000 Set a limestone 18x10x8 ins, 12 ins in the ground, face $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ a on W and 1 on E faces. dug pits 18x18x12 ins N and S of stone, and raise a mound of earth $3\frac{1}{2}$ ft base, $1\frac{1}{2}$ high, W of cor.
- 44.90 Wash 10 lbs wide, corner easterly
- 50.00 Saylor's house, bars 11.35 chs E.
- 55.00 Roberts' house, bars 25 chs W.
- 58.00 Saylor's reservoir, bars 25 chs W.
- 71.80 Road, bars E and W.
- 77.50 Road, bars N W and S E.
- 79.74 The cor of ^{secs} 1, 2, 35 and 36 as heretofore described
Land, level.
Soil, sandy and gravelly; st prairie.
No timber; undergrowth, mesquite
Land covered with dense undergrowth 23.50 chs

Range 20 East - Continued

Challis

March 3, 1901.

March 4, 1901. At 7^h 20^m a.m.,
 Smt. P set off $31^{\circ} 49'$ on the lat
 arc, $6^{\circ} 32'$ S, on the decl arc, and
 determine a true meridian with
 the solar at the cor of sees 2, 3,
 34 and 35 on the Sdy of the
 Sp., as heretofore described.

Shiner Run

No. 1 W bet sees 34 and 35.

Over rolling and mountainous land

Ascending

2.00 Top and enter grasswood under-
growth34.00 Top of ridge, bears E and W;
descending

35.10 Foot

35.30 Wash 5 lks wide, course N easterly

Subdivision of Township 18 South

- Chains
 36.50 Ascend
 38.00 Pop
 40.00 Set a sandstone 18x10x6 ins, 12
 ins in the ground, for $\frac{1}{4}$ sec
 cor, marked $\frac{1}{4}$ 34 on W and 35
 on E faces; dug pits 18x18x12 in,
 E and W of stone, 3 ft. dist, and
 raised a mound of earth, 3 $\frac{1}{2}$ ft
 base, 1 $\frac{1}{2}$ ft high, W of cor.
 42.90 Wash 5 lks wide, course N easterly
 43.40 Ascend
 44.60 Pop of ridge, bears N W, and S E;
 descend
 48.00 Foot
 48.30 Wash 20 lks wide, course N easterly;
 ascend
 49.60 Pop
 55.00 Wash 15 lks wide, course easterly
 58.45 Wash 15 lks wide, course easterly

Range 20 East-Continued

- Chairs
59.30 Gulch 10 lbs wide, course N easterly
- 64.20 Head of gulch, bears S; ascend
- 67.00 Top
- 74.50 Descend
- 75.50 Enter wash
- 77.00 Leave wash, course S easterly
- 80.00 Set a granite stone 18 x 8 x 4
ins, 12 ins in the ground for
cor of secs 26, 27, 34 and 35, marked
with 1 notch on S and 2 notches
on E edges, and raise a mound
of stone 2 ft base, 1 1/2 ft high, W
of cor. It is impracticable.
- Land, rolling and mountainous
Soil, gravelly; 2 and 3 rats
No timber, undergrowth, tesota,
mesquite, greasewood and scrub
Land covered with dense un-
dergrowth 76.50 Chs

Subdivision of Township 18 South

Chains $S 89^{\circ} 55' E$, on a random line
bet secs 26 and 35

4.00 Set temp $\frac{1}{4}$ sec on

8.002 Intersect N and S line at cor
of secs 25, 26, 35 and 36.

Placer 0.7 mm.

$N 89^{\circ} 55' W$, on a true line bet secs
26 and 35

Over level, rolling and mountainous
land

Through dense grasswood, tundra
and ocotillo undergrowth

4.001 Set a granite stone $18 \times 10 \times 8$ ins,
12 ins in the ground, for $\frac{1}{4}$ sec
cor, marked $\frac{1}{4}$ 26 on N and 35 on S
faces; dug pits $18 \times 18 \times 12$ ins, E
and W of stone, 3 ft dist, and
raised a mound of earth $3\frac{1}{2}$
ft base, $1\frac{1}{2}$ ft high, N of cor.

Range 20 East - Continued

Chairs	Ascend
45.00	
46.00	Foot; wash 5 lks wide, course S easterly; ascend
48.00	Top of ascent
58.60	Road, bears N W and S E; ^{descend}
59.00	Wash 5 lks wide, course S easterly; ascend
61.00	Top bears S. E. and N W, descend
62.30	Ravine 5 lks wide, course S easterly; ascend
64.00	Top of spur, bears S W.
65.20	Ascend
67.90	Foot; ravine 5 lks wide, course S easterly; ascend
69.00	Top; descend
70.00	Foot; wash 10 lks wide, course S easterly
76.70	Ascend

Subdivision of Township 18 South

- 8002 The cor of sees 26, 27, 34 and
 35.
 Land, level, rolling $\frac{2}{3}$ of mountainous
 Soil, gravelly; 2^d rate
 No timber; undergrowth, greas-
 wood, tesota and oestills.
 Land covered with dense un-
 dergrowth, 8002 lbs
-
- No 01' W, bet sees 26 and 27
 Over rolling, mountainous and
 level land
 Ascending through dense un-
 dergrowth
- 25.00 Top of ridge, bears E and W
- 32.40 Wash 25 lbs wide, course η easterly
 and ascenof.
- 40.00 Set a sandstone 18x7x7 ins,
 12 ins in the ground, for $\frac{1}{4}$ sec

Ranga 20 East-Continued

Clavis

cor, marked 4 27 on W and 26 on E faces, and raised a mound of stone 2 ft base $1\frac{1}{2}$ ft high, W of cor. Sets impracticable.

54.00 Top of ridge, bears NE and SW

56.00 Ridge

59.50 Road, bears NE and SW

62.60 Wash 10 lbs wide, course NE and SW

65.80 Old road, bears NE and SW.

80.00 Set a sandstone $18 \times 12 \times 4$ ins, 12 ins in the ground for cor of secs 22, 23, 26 and 27, marked with 2 notches on S and 2 notches on E edges, from which a scrub mesquite 14 ins diam, bears $S 40\frac{3}{4}^{\circ} E$, 345 lbs dist, marked P 18 S, R 20 E, Sec, B 7
A scrub mesquite 6 ins

Subdivision of Township 18 South

Chain
 Grain, bars $S 19\frac{1}{2}^{\circ} W$, 216 lbs
 dist, marked $S 18 S$, $P 20 E$, S
 27 , $B. 7$. no other trees within
 limit, and raise a mound of
 stone 2 ft base, $1\frac{1}{2}$ ft high, W
 of cor. Pits impracticable.

Land, rolling, mountainous and
 level

Soil, gravelly; 2^d and 3^d rate
 No timber; undergrowth, grass-
 wood, tsetse and vestito.

Land covered with dense un-
 dergrowth, 8,000 lbs.

$S 89^{\circ} 55' E$ on a random line bet
 sees 23 and 26

4.000 Set trap $\frac{1}{4}$ sec cor

8.004 Intersect N and S line 5 lbs
 S of cor of sees 23, 24, 25 and 26.
 as heretofore described.

Range 20 East-Continued

Chavis Thence from

$N 89^{\circ} 55' W$ on a true line bet
secs 23 and 26.

Over rolling land

Through dense greasewood
undergrowth

29.30 Descend

30.00 Gulch 20 lks wide, course N
easterly; ascend

33.00 Top of ascent

40.02 Set a sandstone $18 \times 12 \times 5$ ins,
12 ins in the ground, for $\frac{1}{4}$
sec cor, marked $\frac{1}{4} 23$ on N
and 26 on S faces; dug pits
 $18 \times 18 \times 12$ ins E and W of stone,
3 ft dist, and raised a mound
of earth $3 \frac{1}{2}$ ft base, $1 \frac{1}{2}$ ft high
 N of cor.

61.00 Wash 5 lks wide, course N easterly

Subdivision of Township 18 South

Chains
8, 11, 4The cor of secs 22, 23, 26 and
27

Land, rolling

Soil, gravelly; 2^d and 3^d rateNo timber; undergrowth,
grasswoodLand covered with dense
undergrowth, 8004 chs

March 4, 1901.

March 5, 1901. At 7^h 30^m a.m.
 I set off 31° 50' on the lat
 arc, 6° 09' S on the decl arc, and
 determine a true meridian
 with the solar at the cor of secs
 22, 23, 26 and 27.

Thence I run

No. 01' W, bet secs 22 and 23

Over rolling, mountainous and

Range 20 East - continued

Chains

level land

Through tesota, mesquite and yucca.

- 3.00 Descend over small ridges
 17.00 Foot of descent
 20.40 Wash 100 lks wide, course N easterly
 24.40 Ascend
 27.50 Top, bears E and W
 29.00 Descend
 29.60 Foot; wash 5 lks wide, course
 easterly; ascend
 31.20 Top of spur, bears E and W.
 33.30 Descend
 34.40 Gulch 5 lks wide, course S easterly.
 ascend
 36.00 Top of ascent
 40.00 Set a sandstone 18x12x5 ins,
 12 ins in the ground, for 7' see
 cor, marked 7' 22 on W and 23 on

Subdivision of Township 18 South

Chains E face, from which a mesquite
6 ins diam, bears S $33\frac{1}{4}^{\circ}$ E, 106
lks dist, marked $\frac{1}{4}$ S 23, B. 7.

A mesquite 4 ins diam, bears
S $89\frac{1}{2}^{\circ}$ W, 70 lks dist, marked
 $\frac{1}{4}$ S 22, B. 7.

- 43.20 Foot of descent
45.00 Wash 30 lks wide, course N
easterly
45.90 Ascend
46.50 Top of spur
48.80 Wash 5 lks wide, course S easterly
49.60 Ascend
50.00 Top
73.50 Wash 20 lks wide, course N easterly
ascend
76.00 Top, bears E and W; descend
80.00 Set a granite stone 18 x 10 x 8
ins, 12 ins in the ground, for

Range 20 East - Continued

Chains

cor of ores 14, 15, 22 and 23,
 marked with 3 notches on S
 and 2 notches on E edges, from
 which a scrub mesquite 3 ins
 diam, bears $N 46^{\circ} E$, 197 lbs
 dist, marked S 18 S, B. 20 E, S
 14, B. 7; no other trees within
 limit, and raise a mound of
 stone 2 ft base, $1\frac{1}{2}$ ft high.
 W of cor. Pits impracticable.
 Land, rolling, mountainous
 and level.

Soil, gravelly; a rate
 No timber, undergrowth,
 tesota, mesquite and yucca
 Mountainous land or land
 covered with dense un-
 dergrowth, 8000 lbs

Subdivision of Township 18 South

Chains S89°53' E, on a random line
bet sees 14 and 23

40.00 Set temp $\frac{1}{4}$ sec cor

80.04 Intersect N and S line 7
lks S of the cor of sees 13, 14,
23 and 24.

Plumer Run

N89°56' W, on a true line
bet sees 14 and 23.

Over rolling, mountainous and
level land

Descending

.70

Foot

2.10

Wash 40 lks wide, course S easterly

6.50

Wash 20 lks wide, course N easterly

5.90

Ascend

9.50

Top of mesa, bears N to and SW,
and enter level land and dense
undergrowth

Range 20 East - Continued

- Chains
 31.00 Descend
- 32.60 Foot; gulch 5 lks wide, course
 S easterly.
- 35.40 Broad of gulch, course S easterly
 ascend
- 35.60 Top, bears NW and SE
- 40.02 Set a granite stone 18x10x8 ins,
 12 ins in the ground, for $\frac{1}{4}$ sec
 cor, marked $\frac{1}{4}$ 14 on N and 23
 on S faces, and raise a mound
 of stone 2 ft base $1\frac{1}{2}$ ft high, N
 of cor. Pits impracticable.
- 67.00 Descend
- 71.50 Wash 15 lks wide, course N easterly
 ascend
- 74.00 Top of ridge, bears NE and SW,
 descend
- 80.04 The cor of sics 14, 16, 22 and 23
 Land, rolling, mountainous

Subdivision of Township 18. South

Chains

and level

Soil, gravelly; 2^d rate

Timber, a few mesquits; undergrowth, grasswood, tesota, mesquits, sage and yucca.

Mountainous land or land covered with dense undergrowth, 75.84 chs.

N 0° 01' W, bet secs 14 and 15

Over rolling land

37.00 Wash 10 lks wide, course N easterly

40.00 Set a granite stone 18x10x6 ins, 12 ins in the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ 15 on W and 14 on E faces, from which a scrub mesquite 8 ins diam, bears N 21 $\frac{1}{2}$ ° E, 187 lks dist, marked $\frac{1}{4}$ S 14, B. 57.

Range 20 East - Continued

Chains

- A scrub mesquite 20 ins diam,
 bears $N 9\frac{1}{2}^{\circ} W$, 169 lks dist,
 marked $\frac{1}{4} S 15^{\circ} 13.77$
 45.00 ~~to the top of the~~
 54.90 Wash 10 lks wide, course N easterly;
 ascend
 72.00 Top of ascent
 77.00 Descend
 77.50 Wash 50 lks wide, course N easterly
 77.90 Ascend
 78.40 Top of ascent
 79.00 Foot
 8.00 Set a limestone $18 \times 10 \times 10$ ins, 12
 ins in the ground, for cor of
 sees 10, 11, 14 and 15, marked with
 4 notches on S and 2 notches on
 E edges, from which a cedar
 6 ins diam, ^{br.} $N 60^{\circ} E$, 90 lks dist,
 marked $S 18 S$, $R 20 E$, $S 11$, 13.77 ;
 dug pits $18 \times 18 \times 12$ ins in see

Subdivision of Township 18 South

Chains

10, 14 and 15, $5\frac{1}{2}$ ft dist from stone, and raised a mound of earth 4 ft base, 2 ft high, 100 of cov.

Land, rolling.

Soil, gravelly; 2^d and 3^d rate
 Timber, a few scattering mesquite, undergrowth, mosquito
 Mountainous land, 26.00 lbs

S $89^{\circ}56'$ E, on a random line
 bet secs 11 and 14.

40.00 Set trap $\frac{1}{4}$ sec cov

80.10 Intersect N and S line 14
 lks N of the cov of secs 11, 12
 13 and 14.

Shaner Run

N $89^{\circ}50'$ W, on a true line bet
 secs 11 and 14.

Range 20 East - Continued

- Chains Over mountainous, rolling and level land
 Through scattering trees in undergrowth
- 2.60 Ascend
- 3.60 Top of ridge, bears N W and S E; descend
- 8.00 Foot
- 11.60 Wash 5 lks wide, course N easterly
- 24.60 Descend
- 27.30 Top, bears N W and S E; descend
- 31.00 Foot
- 32.20 Wash 30 lks wide, course N easterly
- 32.70 Ascend
- 34.30 Top, bears E and W and enter dense grasswood
- 40.05 Set a granite stone 18 x 10 x 8 ins. 12 ins in the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ 11 on N and 14 on

Subdivision of Township 18 South

Chassis

- S faces: dug pits 18x18x12 ins,
E and W of stone, 3 ft dist, and
raised a mound of earth $3\frac{1}{2}$ ft
base, $1\frac{1}{2}$ ft high, N of cor
- 42.70 Wash 5 lks wide, course N easterly
- 62.10 Wash 5 lks wide, course N easterly;
ascend
- 70.00 Top, and descend
- 71.60 Gulch 10 lks wide, course, N
easterly; ascend
- 73.50 Top of ridge, bears NW and
SE; descend
- 75.10 Foot; gravel, dense and entire seat,
trimming undergrowth
- 76.40 Wash 40 lks wide, course N
easterly
- 80.10 The cor of secs 10, 11, 14 and 15
Land, mountainous, rolling
and level

Range 20 East-Continued

Chains

Soil, gravelly; 2^d rate
No timberMountainous land or land covered
with dense undergrowth 75.10 chs
March 5, 1901.March 6, 1901. At 4^h 40^{min} a.m., 1 m t.
Set off $91^{\circ}52'$ on the lat arc,
 $5^{\circ}45'$ on the decl arc, and de-
termine a true meridian with
the solar at the cor of sees 10,
11, 14 and 15.

Shiner Run

 $40^{\circ}01' W$, bet sees 10 and 11

Over mountainous land

Descending

1.10

Wash 30 chs wide, course N easterly;
ascend

2.30

Top

Subdivision of Township 18 South

6.70	Descend
9.00	Wash 15 lks wide, course N easterly ascend
12.00	Top of spur, bears NE
14.00	Gulch 5 lks wide, course S easterly
16.00	Top
21.00	Descend
23.80	Gulch 15 lks wide, course W easterly; ascend
24.40	Top of spur, bears NE and SW,
25.80	Top of spur; descend
26.60	Wash 5 lks wide, course W easterly; ascend
28.50	Top of ridge, bears NW and SE; descend
30.80	Wash 15 lks wide, course N easterly
31.70	Ascend
34.80	Top of ridge, bears NW and SE; extends 3 chs E.

Range 20 East - Continued

- Chairs
36.70 Foot;
- 37.00 Rush 10 lbs wide, course N easterly
ascend
- 40.00 Set a limestone $18 \times 15 \times 12$ ins 12 ins
in the ground, for $\frac{1}{4}$ sec cor, marks
 $\frac{1}{4}$ 10 on W and 11 on E faces; dug
pits $18 \times 18 \times 12$ ins, N and S of stone,
3 ft. dist, and raised a mound of
earth $3 \frac{1}{2}$ ft base, $1 \frac{1}{2}$ ft high, W
of cor.
- 41.00 Top of ridge, bears NW and SE;
descend
- 45.00 Gulch 5 lbs wide, course N easterly;
ascend
- 49.00 Top of ridge, bears NE and SW;
descend
- 54.00 Foot
- 55.60 Rush 100 lbs wide, course N easterly
- 58.20 Road, bears NE and SW.

Subdivision of Township 18 South

61.80	Ascend
62.30	Top of ridge, bars E and W, descend
64.00	Foot, ascend
67.80	Top of spur, bars E and W, descend
70.20	Foot
72.30	Wash 100 lks wide, course, easterly
77.20	Wash 5 lks wide, course, easterly
78.30	Ascend
80.00	Set a limestone 18 x 12 x 12 ins, 12 ins in the ground, for cor of sec 2, 3, 10 and 11, marked with 5 notches on S and 2 notches on E edges, and raised a mound of stone 2 ft base, 1 1/2 ft high, W of cor. Sets imprac- ticable. Land, mountainous.

Range 20 East - Continued
Chain

Soil, gravelly; 2^d rate
No timber, undergrowth, greasewood, yucca and mesquite
Mountainous land, 8.00 chs

S89°50' E, on a random line bet
secs 2 and 11.

4.000 Set trap ¼ sec cor

8.000 Intersect N and S line 23 lbs

Top cor of secs 1, 2, 11 and 12

Shiner Run

Post on a true line bet secs 2
and 11.

Over level and mountainous land
through dense undergrowth

12.00 Wash 50 lbs wide, course N easterly

14.90 Wash 20 lbs wide, course N easterly

16.00 Cross dense mesquite undergrowth
and enter scattering greasewood and

Subdivision of Township 18 South
Brain

- scotillo
- 24.00 Ascend along S slope
- 30.50 Top of S slope, descend
- 32.50 Ascend
- 35.00 Top of ascent
- 40.00 Set a granite stone 18x8x6
ins, 12 ins in the ground for
1/4 sec cor, marked with 42
on N and 11 on S faces, and
raised a mound of stone 2 ft
base, 1 1/2 ft high, N of cor.
Pit impracticable.
- 41.00 Redescending over small ridges.
- 53.50 Enter valley, bears N. N. W.
- 65.00 Wash 40 lbs wide, course N. N.
easterly
- 77.00 Cross valley and ascend S
slope
- 80.00 The cor of secs 2, 3, 10 and 11

Range 20 East - Continued

Chauis

Land, level and mountainous
Soil, gravelly; 2^d rate
No timber; undergrowth mesquite
and teso

Mountainous land or land covered
with dense undergrowth, 48.50 lbs

N 0° 01' W, on a random line bet
secs 2 and 3

4.00 Set temp $\frac{1}{4}$ sec cor

79.85 Intersect N bdy of the Sp 3 lbs
W of the cor of secs 2, 3, 34 and
35, as heretofore described.

Plance P run

South on a true line bet secs
2 and 3

Over level and mountainous land

4.20 Wash 10 lbs wide, course N easterly

5.00 Ascend

Subdivision of T18 S, R 20 E - continued

Chains 7.70	Top of ridge, bears E and W, descend
10.00	Foot and enter valley, bears E and W.
13.20	Wash 100 lks wide, course easterly
18.30	Road, bears E and W
19.00	Ascend
25.20	Top of ridge, bears N E and S W, descend & slope
31.40	Top of spur, bears E and W, descend
35.70	Foot, wash 10 lks wide, course easterly; ascend
38.20	Top of ridge, bears E and W, descend
39.20	Foot, wash 20 lks wide, course easterly
39.35	The point for $\frac{1}{4}$ sec cor falls on limestone rock in place,

Continued, Book 947.

Concluded, ~~Book~~ 948.