

SUBDIVISION

T 18 S R 20 E

BOOK 947

CONTRACT-65

PHILIP CONTZEN

U. S. D. SUR

No. 947

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2.

4-671

FIELD NOTES

GENERAL LAND OFFICE.

947

Indexed, Book 946.

Compare

Township 185 R. 20E

60

6	5	11	4	88	3	61	2	1
			109		86			
7	8	107	9	82	10	11	12	
			105		80			
18	17	103	16	77	15	14	13	
			102		75			
19	20	99	21	73	22	23	24	
			97		70			
30	118	29	94	28	67	27	26	25
117		115		93		65		
31	113	32	90	33	62	34	35	36

Division of Sp 18 S, R 20 E - continued

Trails

4 x 3 x 8 ft. above ground on which
cut a cross (X) at the exact cor-
ner point for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$
3 on W end & on E sides of cross
and raise a mound of stone a ft
base, $1\frac{1}{2}$ ft high, W of cor. It's
impracticable; ascend

46.50 Top of ridge, bears E and W;
descend

48.50 Foot

50.60 Wash 40 lbs wide, course easterly

52.00 Ascend

55.20 Top of ridge, bears E and W.

60.01 Descend

62.60 Foot

65.50 Wash 5 lbs wide, course easterly

67.00 Ascend

68.50 Top of spur, bears E and W; descend

76.00 Head of gulch, course westerly;

62

Subdivision of Township 18 South,

Chains

ascend

77.60 Top of ridge, bears E and W.

79.85 - The cor of secs 2, 3, 10 and 11.

Land level and mountainous

Soil, gravelly; 2^d and 3^d ratesNo timber, undergrowth, tesota,
greasewood and mesquite

Mountainous land, 74.85 chs

March 6, 1901.

March 7, 1901. At 7^h 25^m a.m., Lmt, &
set off $31^{\circ}49'$ on the lat arc, $5^{\circ}22'S$
on the decl arc, and determine
a true meridian with the solar
at the cor of Secs 3, 4, 33 and 34
on the S bdy of the Sp, as here^{before}
Shnee P Run described.

No. 01 W, bet secs 33 and 34

Over mountainous and rolling ^{land}

Range 20 East - Continues of

Chains

- Through dense sage, tesota and
grasswood
Ascending gradually
- 20 Old road, bears S E and N W.
- 5.60 Road, bears S. E. and N W
- 5.90 Road, bears S E and N W
- 6.50 Wash 5 lbs wide, course, easterly
- 14.40 Wash 5 lbs wide, course S easterly
- 25.00 Top of mesa, bears E and W
- 30.00 Gulch 10 lbs wide, course N westerly
- 32.30 Top of spur, bears E and W.
descend
- 36.00 Wash 20 lbs wide, course, easterly.
ascend
- 40.00 Set a granite stone 18x10x4 ins, 12
ins in the ground, for $\frac{1}{4}$ sec cor
marked 33 on W and 34 on
E faces, and raise a mound of
stone 2 ft base, 1 1/2 ft high, W

- Subdivision of Township 18 South,
 Chain
- of ex Pitts impracticable
- 43.00 Top of ridge, bears E and W,
 descend
- 45.90 Gulch 10 lks wide, course easterly
- 49.00 Top of ridge, bears E and W,
 descend
- 53.00 Wash 15 lks wide, course easterly;
 ascend
- 55.00 Top of spur, descend
- 55.70 Gulch 10 lks wide, course S easterly;
 ascend
- 61.00 Top of ridge, bears NW and SE,
 descend
- 66.70 Gulch 10 lks wide, course S easterly;
 ascend
- 70.00 Top, bears E and W, descend
- 76.00 Foot
- 76.50 Wash 20 lks wide, course easterly;
 ascend

Range 20 East - Continued

Chains

8.00

Set a granite stone $18 \times 10 \times 6$, ins,
 12 ins in the ground, for cor
 of secs 27, 28, 33 and 34, marked
 with 1 notch on S and 3 notches
 on E edges, and raise a mound
 of stone 2 ft base, $1\frac{1}{2}$ ft high,
 W of cor. Pits impracticable.

Land mountainous and rolling.
 Soil, gravelly; 3^d rate

No timber; undergrowth, twoto,
 grasswood, ocotillo and yucca.

Land covered with dense un-
 dergrowth, 8.00 chs

S 89° 55' E, on a random line
 bet secs 27 and 34

4.00

Set temp 4 sec cor

80.10

Intersect N and S line 11 lbs
 S of the cor of secs 26, 27, 34

Subdivision of Township 18 South
Chains

- and 35
 Thence from W on a true
 line bet sees 27 and 34
 Over rolling land
 through dense timber growth
 Descend
 3.70
 4.50 Wash 5 lks wide, course southerly
 ascend
 6.00 Top
 7.00 Descend
 8.50 Wash 5 lks wide, ascend
 10.00 Top of ascent
 16.00 Spur, cross S; descend over small
 spur.
 19.00 Gulch 15 lks wide, course S, easterly
 ascend
 32.00 Top
 40.05 Set a granite stone 18 x 12 x 10
 ins 12 ins in the ground, for
 $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ 27 on N

Range 20 East - continued

Chassis

and 34 on S faces, and raise a
 mound of stone 2 ft base, $1\frac{1}{2}$ ft
 high, N of cor. pits impracticable

45.00 Descend over low ridges

50.00 Wash 10 lbs wide, course N easterly
 and ascend

80.10 The cor of sec 27, 28, 33 and 34

Land, rolling

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

No timber, undergrowth, grass-
 wood and tussock

Land covered with dense un-
 dergrowth, 80.10 chs

N. of cor N, bet sec 27 and 28

Over mountainous and level land

Descending

4.00 Foot of descent

5.50 Wash 10 lbs wide, course easterly

Subdivision of Township 18 South,

Chain 5.60	Ascend
12.00	Top of ridge, bears E and W
19.65	Gulch 10 lks wide, course, easterly, ascend
23.30	Top of ridge, bears E and W, descend
30.50	Foot of descent
32.00	Wash 10 lks wide, course easterly
34.50	Ascend
40.00	Set a sandstone 18x10x4 in, 12 ins in the ground, for $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ 28 on W. and 27 on E faces, and raise a mound of stone 2 ft base, $1\frac{1}{2}$ ft high, W of cor, lit impracticable. Top of E slope, descend
42.60	Gulch 5 lks wide, course S easterly
48.00	Top of ascent
55.00	Ascend

Range 20 East - Continued

- Chains
56.70 Wash 30 lbs wide, course westerly;
ascend
- 6.00 Top of ascent
- 67.50 Descend
- 73.00 Foot; wash 10 lbs wide, course
westerly; ascend
- 80.00 Set a granite stone 18x8x6 ins,
12 ins in the ground, fore of
secs 21, 22, 27 and 28, marked
with 2 notches on S and 3
notches on E edges, from which
a mesquite 6 ins diam, bears
N 4° E, 40 lbs dist, marked S 18
S, R 20 E, S 22, B. 7; no other trees
within limit, and raised a mound
of stone 2 ft base, 1½ ft high, W
of cen. Pits impracticable.
Land, mountainous and rolling
Soil, gravelly, 2^d and 3^d rates

Subdivision of Township 18 South

Chain

No timber, undergrowth, *Fescuta*,
 greasewood and ocotillo
 Mountainous land or land covered
 with dense undergrowth 8,000 chs

Cast on a random line bet sees
 22 and 27

4,000

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

80.18

Intersect N. and S line 9 lbs
 N of the cor of sees 22, 23, 26
 and 27.

Shovel Turn

N $89^{\circ}56'W$, on a true line bet
 sees 22 and 27

Over mountainous and rolling
 land

Through dense greasewood un-
 dergrowth

9.10

Wash 5 lbs wide, course S easterly

Range 20 East-Continued

- Chains
- ascend
- 11.00 Top of ascent
- 12.50 Descent
- 14.10 Foot of descent
- 16.00 Wash 25 lbs wide, course N easterly
- 17.70 Ascend
- 24.30 Top of ascent, spur, bears N E;
descend
- 27.50 Wash 5 lbs wide, course N easterly.
ascend
- 30.00 Top of ascent and continue along
N slope of ridge, bears N E
and S W.
- 40.00 Set a sandstone 18x10x6 ins, 12
ins in the ground, for $\frac{1}{4}$ sec
ea, marked $\frac{1}{4}$ 22 on N and 27
on S faces, from which a
trivet 5 ins diam, bears N 29 $\frac{1}{2}$
W, 185 lbs dist, marked $\frac{1}{4}$ S

Subdivision of Township 18 South

Chocoma

22, B.T.; no other trees within
limit, and raise a mound of
stone 2 ft base, 1 1/2 ft high, N
of cor. Pits impracticable!

41.00

Descent

47.20

Wash 15 lbs wide, course N. easterly,
ascend along S slope of ridge,
brars E. and W.

80.18

The cor of secs 21, 22, 27, and 28

Land, mountainous and rolling
Soil, gravelly; 8^d rate

No timber, undergrowth, grass-
wood and tesota

Mountainous land or land covered
with dense undergrowth, 80.18 Chs

March 7, 1901

March 8, 1901. At 7^h 15^m, a.m., l.m.t.,
I set off 31° 50' on the lat. arc.

Range 20 East-Continued

Chain

4°59' S on the decl arc, and do
 terminate a true meridian with the
 solar at the top of secs 21, 22, 27
 and 28.

Phenex Point

N 0° 01' N, bet secs 21 and 22

Over mountains, level and rolling
 land

Ascend

2.00 Top of ascent, bars E and W.

8.30 Descend

9.00 Foot, bars E and W

11.70 Wash 70 lbs wide, course easterly

20.30 Old road, bars E and W

23.00 Ascend

25.00 Top of low ridge, bars NE and SW

30.00 Descend gradually

31.30 Old road, bars NE and SW

40.00 Set a granite stone 18 x 8 x 6 in

Subdivision of Township 18 South
Chain

12 ins in the ground for $\frac{1}{4}$ sec
cor, marked $\frac{1}{4}$ 21 on W and 22
on E faces, from which a mesquite
6 ins diam, bears N $46\frac{3}{4}^{\circ}$ E, 91
lbs dist, marked $\frac{1}{4}$ S 22, B.T.

A scrub mesquite 4 ins diam,
bears S 70° W, 20 lbs dist, marked
 $\frac{1}{4}$ S 21, B.T.

42.40 Wash 10 lbs wide, course, easterly,
undergrowth

53.60 Wash 10 lbs wide, course, easterly

63.60 Wash 10 lbs wide, course, easterly

72.50 Center dense undergrowth

73.00 Wash 35 lbs wide, course easterly

74.40 Level dense undergrowth

8.00 Set a granite stone 18x10x6 ins,
12 ins in the ground, for cor of
secs 15, 16, 21 and 22, marked
with 3 notches on S and 3 notches

Range 20 East - Continuation
Chain

on E edges; dug pits $18 \times 18 \times 12$ ins,
in each sec, $5\frac{1}{2}$ ft dist, and raised
a mound of earth 4 ft base, 2 ft
high, W of cor.

Land, mountainous level and
rolling

Soil gravelly; 2^d and 3^d rates
Timber, a few mesquite and hack-
berry; undergrowth, tesota, mes-
quite and grasswood.

Mountainous land or land covered
with dense undergrowth, 44.30 chs

$S 89^{\circ} 56' E$, on a random line bet
secs 15 and 22

4000 Set trap 4 sec cor.

80.14 Intersect N and S line 9 chs
S of the cor of secs 14, 15, 22 and
23.

Subdivision of Township 18 South,

Chains

Shaner Run

West on a true line bet sees 15
and 22

Over rolling land

Through dense undergrowth

5.50

Wash 60 lbs wide, course N easterly

20.75

Wash 20 lbs wide, course N easterly

21.00

Ascend gradually

26.00

Top of S slope of ridge, bears
N⁶⁰ and S^W.

40.07

Set a granite stone 18x10x6 ins, 12
ins in the ground, for $\frac{1}{4}$ sec cor,
marked $\frac{1}{4}$ 15 on N and 22 on S
faces from which a scrub mes-
quite 3 ins diam, bears S $50\frac{1}{4}^{\circ}$ E,
30 lbs dist, marked $\frac{1}{4}$ S 22 B. 7.A hackberry 12 ins diam, bears
N 74° W, 273 lbs dist, marked $\frac{1}{4}$
S 15, B. 7.

Range 20 East - Continued

Chain
 44.00 Enter wash, course N easterly
 46.20 Leave wash
 70.00 Leave dense undergrowth, bars E and W
 71.20 Wash 5 lks wide, course N easterly
 80.14 The cor of secs 15, 16, 21 and 22
 Land, rolling
 Soil, gravelly; a few
 timber, a few mesquite and
 hackberry; undergrowth, grass-
 wood, treota and mesquite
 Land covered with dense under-
 growth, 70.00 chs

No 01' N, bet secs 15 and 16

Over level, rolling and mountainous
 land

5.30 Wash 10 lks wide, course easterly
 and enter dense treota and
 grasswood

Subdivision of Township 18 South

Chain	Enter rolling land
10.00	
17.00	Wash 25 lbs wide, course easterly
35.40	Wash 20 lbs wide, course N easterly
40.00	Set a sandstone 18x10x6 ins, 12 ins in the ground for $\frac{1}{4}$ sec cor. marked with $\frac{1}{4}$ 16 on W, and 15 on E faces, from which a mesquite 10 ins diam, bears N 50° E, 275 lbs dist, marked $\frac{1}{4}$ S 15 B. 77.
	A mesquite 6 ins diam, bears N 85° W, 220 lbs, marked $\frac{1}{4}$ S 16, B. 77.
41.85	Wash 15 lbs wide, course easterly
43.60	Road, bears E and W
48.60	Wash 10 lbs wide, course easterly
56.40	Wash 10 lbs wide, course, easterly
62.30	Wash 15 lbs wide, course easterly
67.90	Wash 15 lbs wide, course, easterly
75.00	Grave dense undergrowth and dense

Range 20 East - Continued

Chain
8000

Set a granite stone 18x10x6
ins 12 ins in the ground, for
cor of secs 9, 10, 15 and 16, marked
with 4 notches on S and 3
notches on E edges, from which
a cedar 4 ins diam, bears N 34
W, 90 lks dist, marked S 18 S,
R. 20 E, S 9 B. 17; no other trees
within limit, and raise a
mound of stone 2 ft base 1/2 ft
high, W of cor. Rts impractical.

Land, level, rolling and
mountainous

Soil, gravelly; 2^d and 3^d rate
timber, a few mesquite; im-
growth, grasswood, cotton and
mesquite

Mountainous land or land

Subdivision of Township 18 South,
Chains

covered with dense under-
growth 74.50 chs

East on a random line bet secs
10 and 15

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

80.10 Intersect N and S line 1/4 lbs
N of the cor of secs 10, 11, 14
and 15

Shiner Run

N $89^{\circ}58'$ W, on a true line bet
secs 10 and 15

Over mountainous, rolling and
level land

Ascending

2.50 Top

3.70 Wash as lbs wide, course N
easterly; ascend

14.00 Top of ridge, bears NE and SW

Range 20 East-Continued

- Chain
17.00 Gulch 25 lks wide, course N
easterly
- 4.005 Set a granite stone 18x7x6
ins, 12 ins in the ground for $\frac{1}{4}$
sec cor, marked $\frac{1}{4}$ 10 on N
and 15 on S faces, from which
a mesquite 4 ins chain, bears
S $19\frac{1}{2}^{\circ}$ E, 199 lks dist, marked
 $\frac{1}{4}$ S 15, B.V.
- A mesquite 15 ins chain, bears
N $84\frac{3}{4}^{\circ}$ W, 232 lks dist, marked
 $\frac{1}{4}$ S 10, B.V.
- 43.00 Wash 10 lks wide, course N
easterly
- 80.10 The cor of sec 9, 10, 15 and 16
Land, mountainous, rolling
and level
- Soil, gravelly; 2nd and 3rd rate
timber, a few mesquite

Subdivision of Township 18 South
Chavis

undergrowth, greasewood and *Tesota*
Mountainous land or land covered
with dense undergrowth 4300^{chs}

March 8, 1901.

March 9, 1901. At 7^h 40^m, a.m.
Cm t. P set off $31^{\circ}52'$ on the lat
arc, $4^{\circ}35'$ S on the decl arc,
and determine a true meridian
with the solar at the cor of
secs 9, 10, 15 and 16.

No. 01' N, bet secs 9 and 10
Over mountainous and broken
land

Descending

1.50

Wash 50 lbs wide, course easterly,
thence S easterly; ascend

3.20

Top of ascend

9.00

Descend, 70 ft

Range 20 East, Continued

Chanic	Foot
11.00	Foot
11.50	Wash 25 lks wide, course easterly
13.00	Ascend
16.00	Top of ascent (bank)
19.00	Top of small spur; descend
21.50	Wash 20 lks wide, course easterly
22.00	Ascend
24.00	Top of ascent
28.30	Descend
30.50	Gulch 10 lks wide, course easterly; ascend
33.00	Top of ascent
34.50	Descend
35.20	Gulch 10 lks wide, course easterly; ascend
37.00	Top ridge, bears E. and W; descend
39.40	Foot
39.80	Wash 20 lks wide, course easterly

Subdivision of Township 18 South,

Chains 4.000	Point for $\frac{1}{4}$ sec cor falls in wash
40.50	Ascend
43.00	Top of ascent
	Set a granite stone 18x8x7 ins 12 ins in the ground, for witness cor to $\frac{1}{4}$ sec cor, marked W-C, 149 on W and 10 on E faces from which a scrub mesquite 4 ins diam, bears N 50° E, 27 lbs dist, marked W-C, $\frac{1}{4}$ S 10 B. N; no other trees within limit, and raised a mound of stone 2 ft base, $1\frac{1}{2}$ ft high, W of cor. Pits impracticable.
50.00	Descend
52.00	Foot
52.50	Wash 50 lbs wide, course easterly
53.50	Ascend

Range 20 East continued

- Chain
56.00 Top of ridge, bears E and W
- 58.50 Spur, bears E
- 60.50 Top of spur, bears E
- 62.85 Wash 20 lbs wide, runs easterly,
ascend
- 66.00 Top of ascent
- 75.00 Descend gradually
- 80.00 Set a granite stone 18 x 8 x 8
ins, 12 ins in the ground for
cor of sec 3, 4, 9 and 10, marked
with 5 notches on S and 3 notches
on E edges, and raised a mound
of stone 2 ft base 1/2 ft high,
W of cor. Pits impracticable
Land mountainous and broken
Soil gravelly; 2 and 3^d rates
Timber, a few scrub mesquite
and cedar along washes
Mountainous land, 74.00 lbs

Subdivision of Township 18 South,
 Chain S 89°55' E, on a random line bet
 sees 3 and 10

4.00 S at temp $\frac{1}{4}$ see cor.

8.008 Intersect N and S line 8
 lbs N of the cor of sees 2, 3,
 10 and 11.

Plum Creek Run

N 89°55' W, on a true line bet
 sees 3 and 10

Over summation land
 Ascending along a slope of
 mesa

4.50 Top and enter dense grasswood
 undergrowth

21.00 Gulch 6 lbs wide, course N easterly

35.00 Top of ridge, bears N W and
 S E, and descends along N slope
 of mesa; leave dense and enter
 scattering undergrowth

Range 20 East - Continued

Chain
40.04

Set a sandstone 18x12x8 ins
12 ins in the ground, for $\frac{1}{4}$
sec cor, marked $\frac{1}{4}$ 3 on N and
10 on S faces, and raised a
mound of stone 2 ft base $1\frac{1}{2}$ ft
high, N of cor. Pit impracticable.

40.70 Descent

44.50 Wash 20 lks wide, course N
easterly

45.45 Same wash 10 lks wide, course
S easterly

52.80 Top of ridge, bears N & and
S W, descent

57.60 Wash 20 lks wide, course N
easterly; ascent

59.00 Top, bears N & and S W; thence
over broken ridges

80.08 The cor of sets 3, 4, 9 and 10
land, mountainous

Subdivision of Township 18 South,
Chavis

Soil, gravelly and sandy; 3^d
and 4th rate

Timber, a few cedars; under-
growth, grasswood

Mountainous land or land covered
with dense undergrowth 80.08 chs

N^o 01' W, on a random line bet
secs 3 and 4

4000 Set temp $\frac{1}{4}$ sec cor

79.77 Intersect N bdy of the N^o 9 lks
W of cor point of secs 3, 4, 33 and
34, as heretofore described

Shance Brn, from above cor point

S^o 03' W on a true line bet
secs 3 and 4

Over rolling and level land

2.77 Wash 10 lks wide, course easterly

9.77 Wash 5 lks wide, course N easterly

Bengal 20 East-Continued

Chairs	
21.40	Wash 5 lbs wide, course N easterly
35.67	Wash 5 lbs wide, course easterly
38.07	Road, bars E and W.
39.77	Set a granite stone 18x8x8 ins, 12 ins in the ground for $\frac{1}{4}$ sec cor, marked 44 on W and 3 on E faces; dug pits 18x18x12 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	Resend
44.47	Foot; wash 100 lbs wide, course easterly; use end
46.80	Top
54.07	Wash 10 lbs wide, course easterly
68.00	Wash 20 lbs wide, course easterly
72.30	Wash 20 lbs wide, course easterly
75.87	Road, bars E and W

Subdivision of Township 18 South,

Chavis
 79.20 Wash 15 lbs wide, course easterly
 79.77 The cor of secs 3, 4, 9 and 10.
 Land, rolling and level
 Soil, gravelly; a ² rats
 Timber, a few scattering mesquite
 some mesquite undergrowth
 March 9, 1901.

March 10, 1901. At 7^h 52^m a.m.,
 I mt. Post off 31° 49' on the lat
 arc, 4° 12' S on the decl arc and
 determine a true meridian
 with the solar at the cor of
 secs 4, 5, 32 and 33 on the S
 body of the T^p, as heretofore ^{described}
 N 0° 02' W, bet secs 32 and 33.

Over rolling land

6.90 Wash 5 lbs wide, course S easterly
 9.00 Enter wash, course S easterly

Rough 20 East-Continued

Chains	
10.00	Gravel wash, course S easterly
20.00	Enter dense undergrowth
21.50	Wash 5 lks wide, course N easterly
22.10	Road bars N E and S W
37.90	Old road, bars S W and N E
40.00	Set a sandstone 18x8x6 ins, 12 ins in the ground, for $\frac{1}{4}$ sec cor. marked $\frac{1}{4}$ 29 on W. and 28 on E faces. dig pits 18x18x12 ins, N and S of stone, 3 ft dist, and raise a mound of earth $3\frac{1}{2}$ ft base, $1\frac{1}{2}$ ft high, W of cor.
41.00	Descent
45.00	Gulch 5 lks wide, course N easterly; ascent
47.50	Top of spur, bars N E and S W
50.00	Foot
50.20	Wash 5 lks wide, course N easterly

Subdivision of Township 18 South,

Chains	
51.70	Asend
58.00	Top
67.00	Downend
68.70	Wash 10 lbs wide, course Neastly, asend
78.00	Top
80.00	Set a granite stone 18 x 10 x 8 ins, 12 ins in the ground, for cor of secs 28, 29, 32 and 31 ³³ , marked with 1 notch on S and 4 notches on E edges, and raise a mound of stone 2 ft base, 1 1/2 ft high, W of cor. Site impracticable Land, rolling Soil, gravelly; 3d rate No timber, undergrowth, grass- wood, ocotillo, nopal and cacti Land covered with dense un- dergrowth, 6000 lbs

Range 20 East-Continued

Chains

$S 89^{\circ} 55' E$, on a random line bet
secs 28 and 33

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

79.94 Intersect N and S line 3 lbs
N of cor of secs 27, 28, 33 and 34
Plum Creek.

$N 89^{\circ} 54' W$, on a true line bet
secs 28 and 33.

Over rolling and mountainous
land

Ascending through dense under
growth over low ridges

27.00 Top, brass N & and S W, descend

34.90 Wash 10 lbs wide, course N easterly

39.97 Set a granite stone $18 \times 10 \times 10$ lbs
12 ins in the ground, for $\frac{1}{4}$ sec
cor, marked $\frac{1}{4}$ 28 on N and
33 on S faces, and raise a
mound of stone 2 ft base, $1\frac{1}{2}$

Subdivision of Township 18 South,
Chains ^{high} ft N of cor. Pits impracticable

46.30 Old road, bars NW and SE

49.94 The cor of secs 28, 29, 32 and 33.

Land, rolling and mountainous

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

No timber; undergrowth Tsota
and grasswood

Land covered with dense un-
dergrowth, 49.94 chs.

No. 02' N, bet secs 28 and 29

Over mountainous land

Descending through grasswood un-
dergrowth

2.10 Old road, bars NW and SE

3.30 Foot, wash 10 lbs wide, course
N easterly

8.00 Top of ascent

13.00 Descend

Range 20 East - Continued

Chains 14.80	Foot; wash 5 lbs wide course S easterly
15.40	Ascent
19.00	Top
21.00	Descent
24.30	Foot of descent; wash 5 lbs wide, course, N easterly; ascent
31.05	Old road, bears E and W
33.00	Top, and descend
4.000	Foot.

Set a sandstone $18 \times 8 \times 8$ ins, 12
ins in the ground, for $\frac{1}{4}$ sec cor,
marked $\frac{1}{4}$ 29 on W, and 28 on E
face, from which an ash 6 ins
diam, bears $N 40^\circ E$, 90 lbs dist,
marked $\frac{1}{4}$ S 28, B. 7.

A vesota 5 ins diam, bears
 $N 4\frac{1}{2}^\circ W$, 65 lbs dist, marked
 $\frac{1}{4}$ S 29, B. 7.

Subdivision of Township 18 South,

- Chains
 41.00 Enter wash, course N easterly
 42.00 Leave wash
 43.50 Ascend
 47.00 Top, bears NW and SE
 49.00 Descend
 51.70 Foot
 53.60 Wash 100 lbs wide, course N easterly
 54.00 Ascend
 60.00 Top
 66.00 Wash 70 lbs wide, course N easterly
 80.00 Set a granite stone 18x8x8 ins, 12
 ins in the ground, for cor of sec
 20, 21, 28 and 29, marked with 2
 notches on S and 4 notches on E
 edges, from which a mesquite
 6 ins diam, bears S 20° W, 57 lbs
 dist, marked S 18 S, R 20 E, S 29
 B. 7; dug pits 18x18x12 ins
 5 1/2 ft dist from stone

Range 20 East - Continued

Chavis

and raised a mound of earth
4 ft base, 2 ft high; Prof cor.
Land, mountainous
Soil, gravelly; a rate
Pine, a few, mesquite, ash
and teota along washes; under-
growth, grasswood and teota
Mountainous land or land covered
with dense undergrowth, 8000 Chs

S 89° 54' E, on a random line
bet sees 21 and 28

4000 Set. temp 1/4 sec cor

7994 Intersect N and S line 9 lks S
of cor of sees 21, 22, 27 and 28.

Shaner P. run

N 89° 58' W on a true line bet
sees 21 and 28

Over rolling and mountainous land

- Subdivision of Township 18 South,
 Chains
- 24.00 Through dense grasswood, *tesota*
 ocotillo and mesquite undergrowth
 Top of ridge, bears N^o and S^o
 descend
- 31.80 Draw, 1 ch wide, course N easterly;
 ascend
- 36.30 Top of ascent, bears N and S; descend
- 38.00 Foot
- 39.97 Set a granite stone 18x8x6 ins,
 12 ins in the ground, for $\frac{1}{4}$ sec cor,
 marked $\frac{1}{4}$ 21 on N and 28 on S face
 from which a *tesota* 3 ins diam,
 bears North, 88 lbs dist, marked
 $\frac{1}{4}$ S 21, B. 57
- A *tesota* 4 ins diam, bears S
 $21\frac{1}{4}^{\circ}$ E, 96 lbs dist, marked $\frac{1}{4}$
 S 28, B. 57
- 43.40 Wash 100 lbs wide, course N
 easterly

Range 20 East continued

Chacins
6,000

Have dense undergrowth

79.94

The cor of secs 20, 21, 28 and 29

Land, rolling and mountainous

Soil, gravelly; 2nd and 3^d ratesNo timber; undergrowth, grass-
wood, ocotillo, tesota and mesquiteLand covered with dense under-
growth, 6,000 lbs

March 10, 1901

March 11, 1901. At 7^h 45' a.m. I met,
I set off 31° 50' on the lat. arc,
3° 44' S on the decl. arc, and
determined a true meridian with
the solar at the cor of secs 20,
21, 28 and 29.

No. 02' N, bet secs 20 and 21

Over rolling land

Through dense grasswood

Subdivision of Township 18 South,
Chavis

- undergrowth
- 4.30 Descend
- 5.00 Foot; ^{wash} 5 lbs wide, course easterly
- 9.00 Wash 10 lbs wide, course S easterly
- 20.50 Road, bars E and W, leave
grasswood and enter tesota and
mesquite undergrowth
- 26.30 Wash 5 lbs wide, course easterly
- 34.40 Wash 5 lbs wide, course N easterly
- 4.00 Set a sandstone 18x8x6 in, 12 in
in the ground, for $\frac{1}{4}$ sec cor,
marked $\frac{1}{4}$ 20 on W and 21 on E
faces, and raise a mound of stone
2 ft base, $\frac{1}{2}$ ft high, W of cor.
Pits impracticable
- 41.00 Enter dense tesota
- 41.30 Wash 5 lbs wide, course easterly
- 47.60 Wash 5 lbs wide, course N easterly
- 52.50 Wash 80 lbs wide, course S easterly

Range 20 East - Continued

Chains

71.25

Wash 5 lks wide, course N easterly

8.00

Set a sandstone 18x8x6 ins, 12 ins
in the ground, for cor of secs 16,17, 20 and ~~21~~²¹ marked with 3

notches on S and 4 notches on

E edges, from which a mesquite
12 ins diam, bears N 19° E, 96 lks

dist, marked S 18 S, R 20 E, S 16

B. T.; dug pits 18x18x12 ins in secs
~~17~~¹⁷, 21 and ~~22~~²⁰, 5 1/2 ft dist, from stone,and raised a mound of earth 4
ft base, 2 ft high, W of cor.

Land, rolling.

Soil, gradually; 3^d rate.Timber, a few mesquites; un-
dergrowth, grasswood, *Lespedeza*
and mesquiteLand covered with dense un-
dergrowth, 39.50 lks.

Subdivision of Township 18 South,

Chains $S 89^{\circ} 54' E$, on a random line bet
 58' sses 16 and 21

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

79.92 Intersect N and S line $\frac{1}{2}$ lbs
 N of cor of sses 15, 16, 21 and 22
 Shiner Run

$N 89^{\circ} 54' W$, on a true line bet
 sses 16 and 21

Over level and gently rolling
 land

Through undergrowth

12.50 Enter dense undergrowth

24.00 Leave dense and enter scattering
 undergrowth

25.25 Wash 5 lbs wide, course N easterly

27.70 Same wash, course easterly

39.76 Set a granite stone $8 \times 10 \times 6$
 ins 12 ins in the ground, for $\frac{1}{4}$
 sec cor, marked $\frac{1}{4}$ 16 on N and

Bunge 20 East-Continued

Chain

21 on S face, from which a
 teota 5 ins diam, bears $S 75^{\circ}$
 W , 164 lbs dist, marked $\frac{1}{4}$ S 21
 B. 7; 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.

73.90

Wash 30 lbs wide, course S
 easterly

79.92

The cor of sees 16, 17, 20 and 21
 Land, level and gently rolling
 Soil, gravelly; ~~S~~ water
 No timber, undergrowth, teota
 and mesquite
 Land covered with dense under-
 growth, 11,50 lbs

N. cor "N", bet sees 16 and 17
 Over rolling land

Subdivision of Township 18 South,

- Chain
 1.10 Wash 20 lks wide, course easterly
 and enter of new underground
 14.95 Wash 10 lks wide, course easterly
 22.00 Wash 50 lks wide, course easterly
 35.70 Wash 5 lks wide, course easterly
 40.00 Set a granite stone 18x8x6 ins
 12 ins in the ground, for $\frac{1}{4}$ sec
 cor, marked $\frac{1}{4}$ 17 on W and 16
 on E faces; dig pits 18x18x12
 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.
 47.00 Wash 100 lks wide, course N easterly
 50.90 Pond, bars NW and SE
 59.10 Wash 10 lks wide, course easterly
 67.50 Wash 5 lks wide, course N easterly
 71.20 Wash 5 lks wide, course, easterly
 80.00 Set a granite stone 18x10x8

Range 20 East - Continued

Chains

ins, 12 ins in the ground, for each of secs 8, 9, 16 and 17, marked with 4 notches on S and 4 notches 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 each. Land, level.

Soil, gravelly; 5⁰ water
No timber

Land, covered with dense undergrowth, $\frac{78.90}{1.70}$ Chs

S 89° 54' E, on a random line
Secs.
bet 9 and 16

4000 Set trap 1/4 sec cor

8000 Intersect N and S line 5 lbs
N of cor of secs 9, 10, 15 and 16
Shiner Drum

Subdivision of Township 18 South,

Chains

N 89° 52' W, on a true line bet
secs 9 and 16.

Over mountainous and rolling
land

Ascend

1.20 Top

1.60 Wash 60 lks wide, course N easterly
thence S easterly; ascend along
Slope of ridge, bars E and W

15.00 Top, bars N and S, and enter
rolling land

38.00 Wash 30 lks wide, course N easterly

40.03 a sandstone 18x10x5 ins, 12
ins in the ground, for $\frac{1}{4}$ sec cor,
marked $\frac{1}{4}$ 9 on N and 16 on S
faces, and raised a mound of stone
2 ft base, 1 1/2 ft high, N of cor,
Site impracticable

8006 The cor of secs 8, 9, 16 and 17

Range 20 East - Continued

Chains

Land mountainous and rolling
Soil, gravelly; 2nd and 3^d rates
No timber

Mountainous land, 15.00 chs

March 11, 1901

March 12, 1901. At 7^h 30^m a.m., I met,
Set off 31° 52' on the lat arc,
3° 25' S on the decl arc, and
determine a true meridian with
the solar at the cor of sres 8, 9,
16 and 17

N 0° 02' W, bet sres 8 and 9

Over rolling land

.60

Wash 10 lbs wide, course easterly

5.50

Wash 20 lbs wide, course easterly

18.00

Wash 40 lbs wide, course easterly
and enter dense tscota and
mesquite undergrowth

Subdivision of Township 18 South,

- Chains
24.00 Wash 20 lks wide, course easterly
4.00 Set a granite stone 18x14x6 ins
12 ins in the ground, for $\frac{1}{4}$ sec
cor, marked 7 & 8 on W and 9 on
E faces, from which a mesquite
8 ins diam, bears S $54\frac{3}{4}^{\circ}$ E, 270
lks dist marked $\frac{1}{4}$ S 9, B 57;
no other trees within limits,
dug pit 18x18x12 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.
- 41.70 Wash 100 lks wide, course N
easterly
- 49.60 Wash 5 lks wide, course N
easterly
- 64.00 Wash 80 lks wide, course easterly
- 75.90 Wash 5 lks wide, course easterly
- 8.00 Set a granite stone 18x10x10
ins, 12 ins in the ground, for

Range 20 East-Continued

Chains

Row of secs 4, 5, 8 and 9, marked
with 5 notches on S and 4
notches 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, in
cor.

Land, rolling.

Soil, gravelly; 2^d and 3^d rate
No timber

Land covered covered with dense
undergrowth, 62.00 lbs

S 89° 52' E, on a random line
bet secs 4 and 9.

4000 Set trap 1/4 sec cor

80.10 Intersect N and S line 5 lbs
S of cor of secs 3, 4, 9 and 10
Thinner Drum!

Subdivision of Township 18 South,

- Chains
- $N 89^{\circ} 54' W$ on a true line bet
secs 4 and 9
Over rolling land
- 2.10 Enter wash, course N easterly
- 3.10 Leave wash, course N easterly
- 5.20 Wash 5 lks wide, course N easterly
- 10.55 Road, bears NE and SW
- 16.00 Wash 10 lks wide, course S easterly
- 23.60 Enter wash, course S easterly
- 26.70 Leave wash
- 29.80 Wash 5 lks wide, course N easterly
and enter dense trouts and mesquite
quite undergrowth
- 44.05 Set a granite stone $18 \times 10 \times 8$
ins 12 ins in the ground, for
 $\frac{1}{4}$ sec cor, marked $\frac{1}{4}$ 4 on N
and 9 on S faces, dug pits
 $18 \times 18 \times 12$ ins E and W of stone
3 ft deep, and raised a mound

Ranger 20 East - Continued

Chains

of earth $3\frac{1}{2}$ ft base, $1\frac{1}{2}$ ft high
N of cor.

52.10

Wash 5 lbs wide, course N
eastward; and trace of snow in-
fingrowth

80.10

~~51.00~~

Shr cor of sees 4, 5, 8 and 9

Land rolling

Soil, gravelly; 2^d rate

No timber

Land covered with snow in-
fingrowth, 22.30 lbs

N $0^{\circ}02'$ W, on a random line bet
sees 4 and 5

40.00

Set Camp $\frac{1}{4}$ sec cor

79.83

Intersect N bdy of the Sp 14
lbs W of sees 4, 5, 32 and 33.

Thence Run

S $0^{\circ}04'$ W, on a true line bet

Subdivision of Township 18 South
Chains

- secs 4 and 5
 On gently rolling land
- 6.90 Wash 5 lks wide, course N easterly
- 12.83 Wash 5 lks wide, course S, easterly
- 23.83 Gulch 40 lks wide, course N easterly
- 33.83 Road, bears N W and S E
- 37.43 Wash 100 lks wide, course N easterly
- 39.83 Set a granite stone 18 x 12 x 6 ins
 12 ins in the ground, for $\frac{1}{4}$ sec
 Cor, marked $\frac{1}{4}$ 5 on W and 4 on
 E faces, from which a hackberry
 7 ins diam, bears N $21\frac{1}{2}^{\circ}$ E, 326
 lks dist, marked $\frac{1}{4}$ S 4 B. 57.
- A hackberry 8 ins diam, bears
 N $41\frac{3}{4}^{\circ}$ W, 220 lks dist, marked
 $\frac{1}{4}$ S 5, B. 57.
- 43.70 Road, bears N E and S W
- 50.83 Wash 5 lks wide, course easterly
- 55.00 Wash 10 lks wide, course N easterly

Range 20 East - Continued

Chains
69.33

Rush 5 lbs wide, Currier's Rasterly

79.83

The cor of secs 4, 5, 8, and 9

Land, gently rolling

Soil, gravelly; 2^d and 3^d ratesNo timber; scattering mesota and
mesquite, undergrowth.

March 12, 1901.

March 13, 1901. At 4^h 10^m a.m. lmt,
I set off 31° 49' on the lat arc,
3° 01' S on the decl arc, and de-
termined true meridian with the
sola at the cor of secs 5, 6, 31
and 32, on the S by of the Pk
as heretofore described

Phenac Drum

N 0° 02' W, bet secs 31 and 32

Over rolling land

Through scattering undergrowth

Subdivision of Township 18 South,

- Chain
 15.00 Enter wash and dense grasswood
 and tsetse
 16.00 Leave wash, course N easterly
 18.50 Wash 15 lbs wide, course S easterly
 37.70 Old road, bears N W and S E.
 40.00 Set a sandstone 18x12x6 ins, 125
 ins in the ground, for $\frac{1}{4}$ sec call
 marked $\frac{1}{4}$ 31. on W and 32 on E
 faces, from which a mesquite 4
 ins diam, bears S 43° E, 100 lbs dist,
 marked $\frac{1}{4}$ S 32, B. 7.
 A mesquite 3 ins diam, bears N
 19 $\frac{3}{4}$ ° W, 141 lbs dist, marked $\frac{1}{4}$ S
 31, B. 7.
 40.40 Wash 15 lbs wide, course S Easterly
 60.40 Road, bears N W and S E
 75.80 Wash 5 lbs wide, course S easterly
 leave grasswood and enter ocotillo
 80.00 Set a sandstone 18x8x6 ins, 125

Range 20 East - Continued

Chains
 ins in the ground, for cor of secs
 29, 30, 31 and 32, marked with 1 notch
 on S and 5 notches on E edges,
 and raise a mound of stone 2 ft
 base, 1 1/2 ft high, W of cor. Pits
 impracticable.

Land, rolling

Soil, gravelly; 2 and 3^d rate

No timber; Undergrowth, trestle,
 grasswood and ocotillo

Land covered with dense un-
 dergrowth, 65.00 Chs

S 89° 55' E, on a random line bet
 secs 29 and 32.

40.00 Set temp 1/4 sec cor.

79.90 Intersect N and S line 12 lks S
 of cor of secs 28, 29, ³³~~31~~ and 32

Prince Brum

Subdivision of Township 18 South,
Chain

- West on a true line bet secs 29
and 32
Over rolling land
Through dense grasswood, trestle
and ocotillo.
- 21.00 Wash 10 lks wide, course N east to
25.20 E across wash, course S east to
39.95 Set a granite stone 18x10x4 in
12 ins in the ground, for $\frac{1}{4}$ sec
cor, marked $\frac{1}{4}$ sec 29 on N and
32 on S faces, and raise a
mound of stone 2 ft base, 1 $\frac{1}{2}$ ft
high, N of cor. Pitts impracticable.
- 79.90 The cor of secs 29, 30, 31 and 32
Land, rolling
Soil, gravelly sand rocky; 3^d rate
No timber, undergrowth, trestle,
grasswood, and ocotillo
Land covered with dense un-

Range 20 East - Continued

Chains

Growth, 79.90 Chs

N $89^{\circ}55'$ W, on a random line bet
secs 30 and 31.

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

47.98 Intersect the W bdy of the sp
11 Chs N of the cor of secs 25, 30,
31 and 36, as heretofore described

Shiner Run

East on a true line bet secs 30
and 31.

Over level land

36.86 Old road, bears S 60° and N 10°

37.98 Set a granite stone 18x10x8 in,
12 ins in the ground, for $\frac{1}{4}$ sec
cor, marked $\frac{1}{4}$ 30 on N and 31 on
S ^{Jaces} ~~Jaces~~, from which a mesquite
4 ins chain, bears S $81\frac{1}{4}^{\circ}$ E, 65
Chs, dist, marked $\frac{1}{4}$ S 31, B 71.

No other trees within limits.

Subdivision of Township 18 South,
Chairs

- dig 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.
- 41.58 Old road, bars SE and NW
- 44.68 Road, bars SE and NW
- 56.63 Road, bars SE and NW
- 57.00 Enter dense greasewood, teosla
and mesquite undergrowth
- 77.98 The cor of secs 29, 30, 31 and 32
Land, level
Soil, gravelly; 2^d rate
No timber
Land covered with dense under-
growth, 20, 98 chs

No^o 00 N, bet secs 29 and 30
Over rolling and mountainous
land.

Range 20 East-Continued

- Chavis
- Through dense ocotillo and
tisote undergrowth
- 6.50 Old road, bears NW and SE
- 10.50 Road, bears NW and SE
- 30.90 Road, bears NW and SE
- 31.30 Enter wash, course S easterly
- 32.80 Leave wash, course S easterly
- 37.10 Wash 5 lks wide, course S easterly,
ascend
- 40.00 Set a granite stone 18x8x6 ins, 12
ins in the ground for 4 sec cor
marked 430 on W and 29 on E
faces, and raise a mound of stone
2 ft base, 1 1/2 ft high, W of cor.
Pits impracticable.
- 60.70 Top of ascent, bears E and W;
descend, and leave dense ocotillo
- 61.20 Foot
- 61.50 Wash 30 lks wide, course N easterly,

Subdivision of Sp 18 S, R 20 E - Continued

Chain	Thence S easterly
62.40	Ascend
63.30	Top, bears N W and S E; descend
74.70	Wash 10 lbs wide, course S easterly.
80.00	Set a granite stone 18x10x8 ins, 2 ins in the ground, for cor of sec 19, 20, 29 and 30, marked with 2 notches on S and 5 notches on E edges, and raise a mound of stone 2 ft base 1 1/2 ft high, W of cor. Set impracticable. Land, rolling and mountainous Soil, gravelly; 2 rates No timber; undergrowth, cootillo. Land covered with dense undergrowth, 60.70 chs