

1783

EXTERIORS
FT. Mc DOWELL
MIL. RES.

CONTRACT. 76

1.

BOOK 1783

1783

1783

4-671

1783

FIELD NOTES
GENERAL LAND OFFICE

1783

Preliminary Oaths of Assistants.

We, George A Hawleyand Edward P Hobert

do solemnly swear that we will well and faithfully execute the duties of Chain Carriers; 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 distance 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 South and East boundaries of Tps 2 N. R. 6 E
East boundaries of Tps 3-4
N. R. 6 E; North boundaries
of Tps 6 N. R. 6 and 7 E
and Extremes of the Ft.
McCowell Military Reservation
 of the Gila and Salt River Base and Meridian in the Territory of Arizona.

George A. Hawley Chainman.Edward P. Hobart Chainman.

..... Chainman.

..... Chainman.

Subscribed and sworn before me, this 17thday of November 1890Homer Dauter

Notary Public.

[SEAL.]

N. S. Deputy Surveyor
 no notary available

We, Louis a charlton + 1A

BOOK 1783

m J murdock

do solemnly swear that we will well and truly per-

form the duties of Flegman &

measurman + axeman

in the establishment of corners and other duties,

according to instructions given us, and to the best

of our skill and ability, in the survey of the South

W East boundaries of Tps. 2 N. R. 6 E

East boundaries of Tps 3-4 N

R. 6 E. - North boundaries

of Tps 6 N. Rs 6 + 7 E and

Exterior of the Ft. W.C.

Dowell Military Reservation

of the Gila and Salt River Base and Meridian, in

the Territory of Arizona.

Louis A Charlton flegman

m J murdock, axeman

Subscribed and sworn to before me this 17th

day of November 1890

Notary Public

A. S. Deputy Surveyor

No notary available

Field Notes
of the survey of the

Extremes
of the
St. McDowell abandoned
Military Reservation
in the
Territory of Arizona

As surveyed by
Homer Senter
U. S. Deputy Surveyor

Under his contract No. 96
Dated June 19, 1900

Survey commenced November 20, 1900
Survey completed December 4, 1900

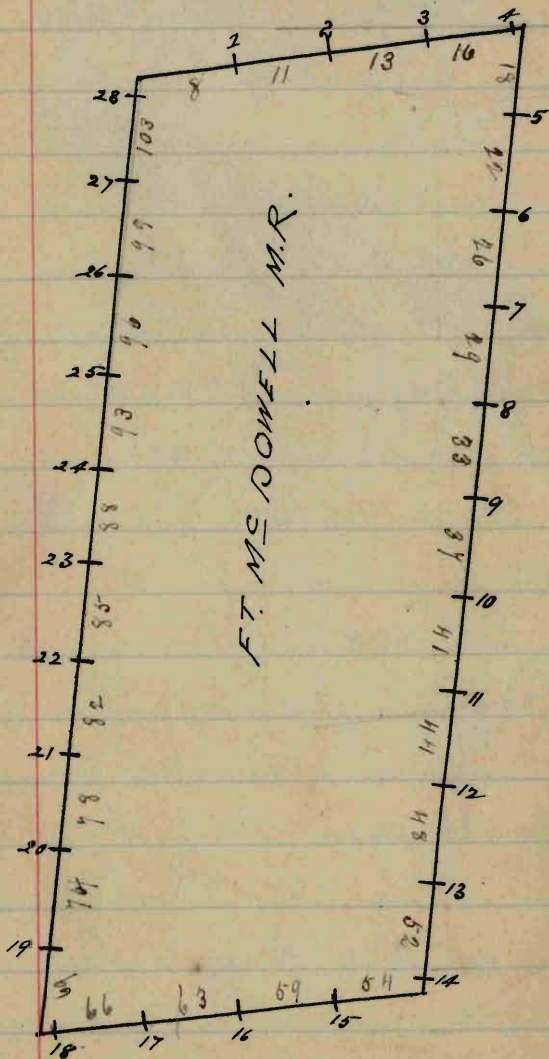
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 Extracts of St. McDowell Mil Recs.

Chairs

Having made a diligent search for the old corner of the St. McDowell Military reservation and being unable to find any, to commence at a point N 40° W, 152 chas dist of place where flagstaff stood, near center of former ground of the old post, Survey commenced November 20, 1901, and executed with a W & L. Inby - light mountain transit No. 4609 with Davis solar attachment.

The instrument was examined on the true meridian at Densen found correct, and was approved by the survey general for Arizona.

In order to test the solar apparatus by comparing the result of observations on the sun made during a.m. and p.m. hours with a true meridian determined by observations on Polaris I found as follows:

Extensions of St. McDonald's Meridian - Continued
 Chronical

At 3^h 27^m p.m. local mean time, I set off, 33°39' on the lat arc, 19°49' on the decl arc, and mark the true meridian thus determined with the solar by a cross on a stone firmly set in the ground, 5 ch North of the instrument. November 20, 1900

At 3^h 20^m ^{a.m.} by my watch, which is correct, I observed Polaris at western elongation, in accordance with instructions in the manual, and mark the line thus determined by a tack driven in a wooden plug, set in the ground, 5 ch North of my station.

November 21, 1901

November 21. At 8^h 30^m a.m. I lay off the azimuth of Polaris 1°27' to the east and mark the true meridian thus determined by cutting a small groove in the

Extensions of St. M'Noull Mill Res. Continued
 Chassis

stone set last evening, on which the true meridian falls 0.15 ins. E of the mark determined by the solar.

At 8^h 45^m a.m. I set off $33^{\circ}39'$ on the lat arc, $19^{\circ}55'$ on the decl arc, and mark the true meridian with the solar by a cross on the stone already set, 5 ch. North of my station; this mark falls 0.16" ins. W. of the true meridian established by the Polar observation.

The solar apparatus by its own observations defines positions for true meridians about $0'07''$ E and $0'08''$ W of the meridian established by the Polar observation, therefore I consider that the adjustments of the instrument are satisfactory.

The magnetic bearing of the true

Extents of Ft. McDonnell Mil Res - Continued
 Chain

meridian at 8^h 30^m a m is $13^{\circ} 48'$,
 the angle thus determined, increased by the
 table, page 102, gives the mean mag decl
 $13^{\circ} 45' E.$

From the point above described, Penn in
 compliance with my instructions, North
 40^o 45' through dense undergrowth,
 to a point on the North boundary.

$80^{\circ} 25'$ Thence $80^{\circ} 25' N$, 09 chs. At this point
 I find faint remains of old co. I establish
 N. W. cor of the Ft. McDonnell Military
 Reservation by.

Setting a granite stone $20 \times 12 \times 9$ ins., 14
 ins in the ground, marked 5 on top,
 N. W. C. of Ft. McDonnell on S. E. and
 P. L. on N. W. face, dig pits $36 \times 36 \times 12$
 ins, E. and S. of stone 8 ft dist, and
 raise a mound of earth 5 ft base, 2 $\frac{1}{2}$ ft
 high, S. E. of cor.

Extension of St. McDonald Mill Res - Continued

Chain

Having found the N.W. cor, I made a further search for the N.E. corner of the prostration before commencing survey of the extension and I find that the N.E. cor bears $N 80^{\circ} 17' E$ from the N.W. cor.

November 24, 1901. From the N.W. cor of the prostration I run

$N 80^{\circ} 17' E$ on Post Mill.

Over rolling land

Through dense undergrowth

3.00 Dry wash, to the north, course N . Eastward and ascend

5.00 Top of low ridge, and descend

17.00 Post, head of dry wash, course Eastward and ascend

20.00 Top, and descend

21.50 Post, and ascend

Continuation of Pt M^cD^o Mill Pt Counters

6 hours

22.50 Top and descend

23.50 Port and ascend

25.00 Top and descend

26.00 Port and ascend

27.30 Top and descend

29.00 Port, dry wash 30, the wind, courses S. Easterly
and ascend.

31.00 Top and descend

41.00 Set a granite stone 24 x 10 x 8 ins, 18 ins in
the ground, for the $\frac{1}{2}$ mile, marked
Pt M^cD^o M. R. $\frac{1}{2}$ M. on S and P L on N
face, from which a pale red 5 ins diam
brass N 18 $^{\circ}$ E 55 the dist, marked Pt M^cD^o
M. R. $\frac{1}{2}$ M. B. D.

Am proceed 6 ind chain, brass S 84 $^{\circ}$ 55 E

48 the dist, marked Pt M^cD^o M. R. $\frac{1}{2}$ M.

B. D. and raise a mound of stone 3 ft diam, 3 ft high
^{3 of top}

42.50 Port, dry wash 30 the wind, courses S.
Easterly, and ascend.

43.00 Top and descend

Extensions of St. McDonnell Mill Pros - Continued

Chassis

52.70 Foot, dry wash 40 lbs wide, course E. easterly

56.85 Dry wash, 20 lbs wide, course E. easterly.

71.40 Dry wash, 20 lbs wide, course N. E. easterly -
und ascend.

74.85 Soft and descend

77.10 Foot, gully 5 lbs wide, course N. easterly

80.00 Set a granite stone $22 \times 12 \times 12$ ins, 14 ins
in the ground, for the 1 mile cor marked
St. W. D. M. 10 1 M. in E. ^{and p. in 2 faces} dry pits $36 \times 36 \times 12$
ins, E. and W. of stone, 4 ft dist., and raise
a mound of earth 6 ft base, 2 1/2 ft high,
S of cor.

Soil, rolling, and level.

Soil, gravelly. Good water.

Pine, spruce, fir, and hemlock.

undergrowth grasses, tobacco and cacti

Small cacti

Dense undergrowth, 8000 cu.

Extension of Pt McNeill Hill Re-Continued

Chain N 80° 14' E on Second Mile.

Over land land

Through dense undergrowth

3.55 Road to Camp end, land Northw and
Southw

11.65 Dry wash 35 lbs iron core S. Easterly

19.05 Dry wash 15 lbs iron core S. Easterly

27.55 Dry wash 30 lbs iron core S. Easterly

29.28 Road cross Northw and Southw

4.00 Set a granite stone 20 x 10 x 8 ins, 14 ins in
the ground, for the 1/2 mile cor, marked
Pt M^D M. R. 1/2^M on S and P E on N

face, from which an iron rod 10 ins diam
runs S. 84 1/2° E, 108 lbs dist, marked

Pt M^D M. R. 1/2 M. B. S.

An iron rod 10 ins diam, runs S 53° 4' W,
108 lbs dist, marked Pt M^D M. R. 1/2

miles, B. S. and raise a mound of stone
3 ft base, 3 ft high, S of cor

Extensions of Pt McDowell Mill Pros - continued

Chances

52.70

Dry wash, 20 lbs wide, course S Easterly

57.20

Road, base Easterly and Westerly

61.20

Dry wash, 20 lbs wide, course Southerly

80.20

Set a granite stone $24 \times 11 \times 10$ ins, 18 ins
in the ground for the 2 mile cov, marked
Pt McD W, 16, 2 W, 10 S, and P L
on N faces, from which a pale vein
7 ins diam, base S 15° W 74 lbs
dist, marked Pt McD W 16, 2 W 13 P
A mosquito 18 ins diam base W
 $87\frac{1}{2}^{\circ}$ N, 45 lbs dist, marked Pt McD
W 16 2 W, B.S. and rise a mound of
stone 3 ft base, 3 ft high, S of cov,
level.

Soil, sandy and gravelly, and and
3rd rate.

Sumber, mosquito shale under musc
cannon; undergrowth, muscinity
Tosota and cacti.

Exteriors of St McDowell Mill Race-Continued

Obained

Grant cactus.

Dense undergrowth 8000 ch.

1/80' 1/4' East on St. Paul Mill.

Over level land,

Through dense mesquite and palo verde

.20

Right bank Pecos river, bank
Northly and Southly

Set a sandstone 20 x 14 x 8 ins 14 ins
in the ground, for marker, marked
St McD Mill on S, S E on N, and M E
on E. face, dig pit 36 x 36 x 12 ins W of
stone 4 ft dist, and raise a
mound of earth 5 ft base, 2 1/2 ft
high N of ear

Turner across river bed through dense
arrow weeds.

17.40

Left bank Pecos river, bank Northly
and Southly

Extension of Pt McDowell Mill No - Continued
Chassis

- Set a malpais stone $18 \times 16 \times 14$ ins
14 ins in the ground for marker
on mark Pt M^o D on S, P L on N
and W on W faces, from which
a mesquite 8 ins diam, bears East,
13 lbs, marked Pt M^o D M^o R M L 13 P
A mesquite 6 ins diam, bears S 12° W
6 lbs west, marked Pt M^o D M^o R M L 13 P
bears around woods and as end stop. Cliff
- 19.00 Top and descend
- 27.00 Middle of canyon 8 lbs wide, course
S. W. to S. E. and dry wash 10 lbs wide
course S. W. to S. E.
- 28.50 Leave canyon and ascend
- 3.00 Top of ridge, bears E and W.
- 4.50 Set a malpais stone $24 \times 12 \times 10$ ins, 10
ins in the ground, for the 2^d mile
on, marked Pt M^o D M^o R, 2^d M on
S and P L on W faces, and raise a

Series of Pt McDowell Mt. Not continued
 Chain

summit of stone 3 ft base 3 ft high. S
 of cor.

42.00 Trail, cross westerly and southerly

45.00 Descend

47.00 Foot, and enter draw, course N. W. Slightly

50.00 Cross draw and ascend

57.00 Top of ridge

60.00 Begin steep descent S bank canyon

65.00 Foot, and enter canyon, course W

70.00 Dry wash 15 lbs wide, course W. Slightly

74.00 Descend canyon and ascend

8.00 Set a malpais, stone 24 x 10 x 6 ins,

16 ins in the ground, for the three

miles, cor marked, Pt McD M. B,

^{in S and L on in June}
 B M, and raise a mound of stone 3

ft base 3 ft high, S of cor.

Land, mountainous and level.

Soil, sandy and gravelly and and 3rd
 rate.

Extensions of Pt McDowell Mil Res-Continued
 Chavis

Timber, palo verde and mesquite,
 mesquite, mesquite, yucca
 and cacti.

Mountainous land or land covered
 with dense undergrowth, & cacti.

November 24, 1901.

N 80° 17' E on Smith Mts.

Over mountainous land

Ascending through dense palo verde,
 and cacti.

2,000 Head of goshawk

3,170 Top of ridge and descend gradually
 along N slope

4,500 Set a malpais stone 22 x 20 x 8 ins, 14
 ins in the ground for the 3rd mile,
 say marked Pt McD 4110 8 1/2 m, on
 Sand P L on N face, and near
 a mound of stone 3 ft base, 3 ft

Series of Ft. McDowell Mil. Res. - Continued

behind

high, top of cor.

45.55

Top of divide, bears Northerly and
Southerly; head of two canyons
crosses westerly, and descends steeply

50.00

Foot and ascend

57.50

Head of canyon, course Westerly

60.00

Top of ridge, bears Easterly and Westerly
and descend

61.40

Descend abruptly 40 ft and enter
canyon, course Westerly

68.00

Leave canyon and ascend

68.90

Top and descend

69.25

Foot, and enter box canyon, course S
Westerly

80.00

The point for the 4th mile cor falls in
canyon

82.15

~~80.75~~

Set a limestone 20 x 14 x 8 ins, 14 ins in
the ground, for reference cor to the
4th mile cor, marked M. C. Ft. McD. M. R.

Exterior of St. McDonald Mill Res. Cuatrimas

Chain

on Sand S. L. on N. face, and raise
a mound of stone 5 ft base 3 ft
high, S of cor.

Level mountains

Soil, generally sand, stony, 3rd and
4th rate.

Scrub, pale woods and pinewood
undergrowth, grasswood, tree and
cacti.

Mountains level a level covered
with dense undergrowth, 3rd class.

N 80° 17' E on Fifth Mile

From cor point in canyon.

Over mountains level

Through dense grasswood and cacti

.20 From canyon and ascend

.75 Return cor

2.00 Top

Notes of St. W. Donnell Mill Post - Continued
 blunnie

5.00 Find remains of old post at this point.

Set a granite stone $24 \times 14 \times 10$ ins, 10 ins in the ground, for the NE cor of the excavation, marked 7 on top, NE COR St W D M P on S W and S E on N E faces, and raise a mound of stone 3 ft high, 3 ft high, S. W. of cor.

From this point back in the Paris mountains, bears $S 58^{\circ} 40' W$. Point of rock on Black mountain bears $N 68^{\circ} 15' E$.

From this cor the S E cor of the excavation bears $S 64^{\circ} 5' N$, Thompson B

run
 $S 64^{\circ} 5' N$ (on Fifth Mile.)

Descending

40 Foot gulch 25 lbs wide, course Westward, and ascend

6.00 Top of ridge, bears Eastward and Westward

Excursions of St. McDonald Mill Res. Continues

Chassis

- und descend
- 7.00 Feet and ascend
- 8.00 Top und descend
- 12.80 Feet gulch 60 lbs wide, course Westly
und ascend
- 15.00 Top
- 16.50 Descend
- 20.76 Feet, gulch 50 lbs wide, course Westly
- 21.80 Inert
- 25.00 Top of ridge, base Eastly, and
Westly, und descend
- 28.00 Feet, dry wash 10 lbs wide, course
Westly, und ascend
- 30.80 Top of steep hill, und descend
- 34.00 Set a malpais stone 20 x 12 x 12 ins, 12
ins in the ground for Return route
4¹/₂ mile cor, marked R, St M, R, M, R,
on N, and S, L on E faces, and raise a
mound of stone 5 ft base, 5 ft high,

Stations of Ft. McNeill Mil. Res. - Continued
Chain

W of cor.

- 35.00 The point for 4th mile cor falls on
edge of steep bank
- 37.30 Part, deep gulch, course Westerly and
ascend
- 45.00 Top of ridge, bears N. Easterly and S.
Westerly, and descend
- 45.40 Old Indian trail bears N. Easterly and
S. Westerly; high point, bears about
5th m.
- 46.00 Part, and enter mesa, sloping S. W.
- 67.00 Dry wash so the river, course S. Westerly
- 75.00 Completion of 5th mile
- Set a limestone 24 x 12 x 12 ins, 16 ins in
the ground, for the 5 mile cor, marked
Ft. McNeill 5 M. on W and P L on E
faces, and raise a mound of stone 3 ft
base, 3 ft high, W of cor.
Ground, mountainous and level.

Extremes of St McDowell Mts Pro-Continued
Chorris

1 Soil, gravelly and stony 3rd and
4th rates.

Timber; scattering ironwood and palo
verde; undergrowth grasswood, sage,
and cacti.

Summit cactus

Mountainous land or land covered with
dense undergrowth, 8,000 ft

S. 6° 45' W. on Sixth Mile.

Over mountainous land

Ascending through dense grasswood,
palo verde and cacti.

1.00 Pop. and descend

2.00 Foot

4.70 Dry wash, 30 lbs water, course, Westward

5.80 to road

6.80 Pop

10.00 Descend

Journal of Pt McDowell Mil Res - Continued
 Observe

- 12.25 Foot, dry wash, 20 lbs wide, course
 Westward
- 14.00 Ascend
- 15.00 Top of ridge, bears Eastward and Westward
 and descend
- 23.00 Foot, dry wash, 130 lbs wide, course S
 Westward, and ascend
- 26.30 Top of ridge, bears Eastward and
 Westward, and descend
- 30.50 Foot, dry wash 10 lbs wide, course S
 Westward, and ascend
- 32.05 Top of spur, (turner up gulch
- 35.50 Head of gulch, ascend
- 37.00 Top of high mesa, bears E and W
 and descend
- 4.00 Set a limestone 24x15x7 in, 16 in in
 the ground, for the 5 1/2 mile cor-
 marker Pt M^cD M. R. 5 1/2 M on W
 and P. L. on E faces. and raise a

Continued of Pt McDonald Mil Pas - continued
 6 hours

- sunrise of stone 3 ft base, 3 ft high,
 N of cor.
- 52.05 Port, dry wash, 10 lbs wide, course
 Westly, and ascend
- 53.15 Top of ridge and descend
- 59.40 Port, dry wash, 10 lbs wide, course
 Westly, and ascend
- 60.50 Top of ridge and descend
- 62.70 Port, gulch 10 lbs wide, course Westly
 and ascend
- 63.70 Top
- 65.00 Trail, base N. Eastly and S. Westly
- 67.20 Descend
- 67.35 Port, and enter draw, course Westly
- 74.20 Dry wash, 10 lbs wide, course Westly
- 75.50 Round draw and ascend
- 76.70 Top of ridge and descend
- 8.00 Set a granite stone 20 x 15 x 10 ins, 14 ins
 in the ground for the 6 mile cor.

Station of St McDonnell Mill Res - Continued
 Chanis

marked St M^o D M R 6 M on W and
 P L on E faces, from which a pale
 & under 8 in diam, brass 72° E, 43 lbs
 dist, marked St M^o D M R 6 M B B
 & pale & under 8 in diam, brass 147° E,
 126 lbs dist, marked St M^o D M R 6 M
 B B

A pale & under 8 in diam, brass 166° N
 48 lbs dist, marked St M^o D M R
 6 M B B, and raise a mound of stone
 3 ft base, 5 ft high, N of cor.
 Land, mountainous

Soil, gravelly, and 3rd rate
 timber, pale & under sand, pinewood,
 undergrowth, pale & under, grasswood
 and cacti
 Fruit cacti

Mountainous land and land covered
 with dense undergrowth, &c. &c. etc.

Extremes of Pt McDowell Mts. Rio-Continental
Chassis

November 25, 1900

November 26, 1900. At 7^h 30^m a.m.
(met Port off 33° 39' on the lat arc,
20° 54' S on the decl arc, and determine
a true meridian with the solar at the
zenith loc.

Summit Point

S 6° 45' W on Smith's Mts.

On mountainous land.

Descending

through dense grasswood, palo verde
and cacti

2.00 Foot and ascend

7.40 Top of ridge from N. Easterly and S.
Westerly, and dry creek.

11.00 Foot, dry wash 10 lbs rock, course S.
Westerly

13.30 Dry wash, 10 lbs rock, course S. Westerly

- towers of St. McDonnell Mill Post-Continued
 20.80 Ascend.
 20.00 Top and descend
 28.20 Post, dry wash 10 lbs wide, course
 Westerly, and ascend
 34.00 Top of ridge, and descend
 35.00 Post, dry wash 10 lbs wide, course S.
 Westerly
 39.25 Dry wash 5 lbs wide, course S.
 Westerly, and ascend
 40.00 Set a malpais stone, 20x12x10 ins, 14
 ins in the ground, for the 6th mile
 cor. marked St. M^o M. B. 6th M, on
 N. and P. L. on E. face, from which
 a pale fence, 8 ins diam brass S 54th E,
 126 lbs dist, marked St. M^o M. B. 6th M
 P. L. and raise a mound of stone 3 ft
 base, 8 ft high, N of cor.
 41.25 Top of ridge and descend
 42.50 Post, dry wash 10 lbs wide, course S.

Extensions of St. M^cDonnell Mill Riv^r - Continued
 Chassis

- Westerly, and ascend.
- 45.50 Top
- 55.00 Descend
- 59.00 Port.
- 60.50 Dry wash, 2 ch^s wide, course W^otraly
- 63.00 Ascend
- 65.80 Top of ridge, and descend
- 66.30 Port. and ascend
- 71.60 Top, and descend
- 72.60 Port. and enter flat
- 76.40 Dry wash, 80 lbs wide, course S. W^otraly
- 79.00 Level flat and ascend.
- 80.00 Set a granite stone 20 x 12 x 12 ins, 14 ins
 in the ground, for the 7 mile ev. mark
 St M^c D M R 7 M, on W and S. Low E,
 faces, from which a pale & dark 7 in
 diam, brass S 39 $\frac{1}{4}$ ° E, 164 lbs dist.
 marked St M^c D M, R 7 M, B. D.
 A pale & dark 6 in diam brass S 25 $\frac{3}{4}$ ° W

Journal of St. McDonnell Mill Pro-Continued
 Chronis

169 The dist. marked St M^d M R 7 M.
 P.S.

A mesquite 10 inc diam, bears $N 27^{\circ} \frac{1}{2} W$,
 200 The dist. marked St M^d M R 7 M

P.S. and raise of a mound of stone 8 ft
 base, 3 ft high, W of cor.

Land, mountainous, rolling and level.

Soil gravelly, and sand & rd. rate.

Timber, palo verde and mesquite.

undergrowth, grasswood, palo verde,
 yucca, and cacti.

Trunk cactus.

Mountainous land, or land covered with
 dunes undergrowth, 8000 elev

$S 6^{\circ} 45' N$, on Eighth Mile.

Over mountainous land

Ascending

Through dense grasswood and cacti

Extremis of Pt McDonald Mt. Red-Continued

6 hours

1.30 Top of ridge

5.80 Descend

9.25 Part dry wash 10 lbs. water, course S.
Westerly

10.50 Ascend

10.50 Top and descend

18.00 Part dry wash 10 lbs. water, course S.
Westerly and ascend

19.50 Top of spur and descend

21.00 Part, and ascend

21.70 Top and descend

22.50 Part dry wash 10 lbs. water, course S. Westerly
and ascend

29.50 Top of ridge base N. Easterly and S.
Westerly, and descend

39.80 Part dry wash 10 lbs. water, course S.
Westerly, and ascend

4.00 Set a Gammeter 20x12x12 in, 14 in
in the ground, for 1/2 mile every mark

Journal of St. McDonald Mill Riv. - Continued

Chain

Pt M'D M. R. $7\frac{1}{2}$ M on W, and S. on
E. face, from which a pale sand 8 in
diam, base $N 15^{\circ} E$, 13 4 lbs dirt, marked
St M'D M. R. $7\frac{1}{2}$ M, B.D.

A pale sand 8 in diam, base $S 62\frac{1}{2}^{\circ} E$,
162 lbs dirt
marked St M'D M. R. $7\frac{1}{2}$ M, B.D., and
raised a mound of stone 3 ft base, 3 ft
high, N of cov.

42.40 Top of high spur, base N. Easterly and
S. Westerly, and descend.

44.90 Foot, dry wash, 1 ch wide, course S. Easterly

45.00 descend

49.30 Point of spur, and descend

56.00 Foot, dry wash, 2 chs wide, course S.
Easterly

58.00 Dry wash, 1 ch wide, course S. Easterly
and ascend

60.00 Point of spur, base S. Easterly, and
descend.

Extension of St. M'Donnell Mill Race - continued

chain

- 62.00 Foot, dry wash, 10 lbs wide, course S. Easterly and ascend
- 65.00 Point of spur, base S. Easterly and descend
- 67.00 Foot, dry wash, 2 lbs wide, course S. Easterly
- 69.00 Ascend
- 7.000 Top of spur, base S. Easterly, and descend
- 71.60 Foot, and quite flat
- 75.50 Dry wash, 30 lbs wide, course S. Easterly and base flat and ascend
- 8.000 Set a granite stone 20 x 15 x 6 ins, 14 ins in the ground, for the 8 mile cor, marked St M'D M. R. 8 M on W, and P L on E faces, from which a mensure of ins drain base $459\frac{1}{4}^{\circ}$ E, 153 lbs, dist, marked St M'D M. R. 8 M. B.D.
- A mensure 6 ins drain, base 175° E, 249 lbs, dist, marked St M'D M. R. 8 M

Interior of St. McDowell Mill Res. Continued
 Chance

B. D.

A pale Verde 8 mi. diam, base $S 86^{\circ} 2' W$
 256 lbs. dist, marked St. M. D. M. R.
 8 mile B. D.

A mesquite 26 mi. diam, base $N 71^{\circ} W$
 37 lbs. dist, marked St. M. D. M. R.
 8 M B. D., and near a mound of stone
 3 ft. base, 3 ft. high, W of cor.

Land, mountainous and level

Soil, gravelly; and and Ord. water.

Under pale Verde, and mesquite,
 undergrowth, grass, and, pale Verde,
 mesquite, roots, and cacti

Great cactus.

Mountainous land or land covered with
 dense undergrowth, 8000 ft.

St. M. D. on Ninth Mile!
 Over mountainous land

- Extensions of St McDowell Mill Run - continued
- 6.00 Ascending
Through dense grasswood, pale woods
and cacti.
- 9.35 Top and descend
- 4.50 Port, incl ascend
- 6.60 Top and descend
- 10.50 Plat, 3 elv wide
- 13.30 Ascend
- 14.40 Top and descend
- 22.20 Port, incl enter Sycamore Valley, cross
N. Easterly and S. W. westerly
- 22.00 S. W. cor beam beam 76 lbs E, corral
fence beam 46 lbs E, corral house beam
301 lbs E.
- 27.50 Set a sandstone 24 x 14 x 10 ins, 18 ins in
the ground, for witness cor to 8 1/2 miles
cor, marked W, St McD m R 8 1/2 m
on W, and S E on E fence, from
which a pale sand 5 mi stream, beam

Extracts of St. McDonald Mill Run - Continued
 Channel

W.C.
 East, 125 lbs dist, marked, St. M & R
 M B 8 1/2 M B 8

A mosquito 8 in drain, brand S 37 1/2° W
 45 lbs dist, marked W.C., St. M & R
 8 1/2 M B D, and piece, a mound of
 stone 3 ft base, 3 ft high, W. of ea

27.90 Right bank Sycamore wash, brand W.
 East only and S West only

Set a sandstone 18 x 12 x 7 in, 12 in
 in the ground, for marker or marked
 M & R S, S. W. M & R with ^{base} and S L on E,
 from which a mosquito 8 in stream, brand
 S 48 1/2° E, ^{33 lbs dist} marked St. M & R M B
 M C B D

A mosquito 8 in drain, brand S 75 3/4° W
 77 lbs dist, marked St. M & R M B
 M C B D, and piece a mound of stone
 3 ft base, 3 ft high, W. of ea

4.000 ^{Supports across top of drainage above locust bush}
 The point for 8 1/2 mile or falls in wash

Extremes of St. McDonald Mill Res - Contain
 Claims

8.00 The point for the 9 mile ev falls in
 wash

80.⁸⁰/₇₂ Left bank Sycamore wash, cross
 Eastward and Westward

Set a granite stone $20 \times 12 \times 8$ ins, 14 ins
 in the ground, for witness ev
 marked W.C. on N, St. McD M B
 on W, and S E on E faces, dig
 pit $36 \times 36 \times 12$ ins S of stone, 4 ft
 and raise a mound of soil 4 ft base 8 ft top

81.00 Set a limestone $22 \times 11 \times 8$ ins, 14 ins in
 the ground, for witness ev to the 9
 mile ev, marked W.C. St. McD M B
 9 M on W and S E on E faces, from
 which a mesquite 8 ins diam, cross
 $N 64^{\circ} 4' E$, ²¹ ~~12~~ lbs dist, marked W.C.
 St. McD M B 9 M B.S.

A mesquite 10 ins diam, cross $S 62^{\circ} E$,
¹⁸⁴ lbs dist, marked W.C., St. McD M B,

Entrance of St. McDowell Mill Creek - Continued
 Chain

9 M. B. S.

A sycamore & its drain, cross $S 52^{\circ} W$,
 295 lbs dist, marked TP , St. McDowell

9 M. B. S., and raise a mound of stem
 3 ft base, 8 ft high, W of col.

Land, level and mountainous
 Soil, gravelly and sand, 2nd, 3rd
 and 4th rate.

Smilax, mosquito, pale ferns and a
 few sycamore along wash; undergrowth
 grasses, pale ferns, mosquito, *Trisetum*
 erecta bush and cacti

Front cactus.

Mountainous land or land covered
 with dense undergrowth, 8.000 lbs

November 26, 1900.

$S 64^{\circ} 45' W$ on Panther Mill.

From old point
 Over level land

- Extent of St. McDonald Mill Race - continued
 Chain
 Through dense mosquito and forest.
 .70 Mound cor
 1.00 Witness cor
 22.00 Branch from branch Easterly and Westerly
 and from dense mosquito and forest
 from E and W.
 25.80 From Sycamore valley and begin ascent
 steep ridge, through dense forest.
 29.80 Top of branch Easterly and Westerly, and
 descend through dense grassland and
 coact.
 31.60 Foot, dry wash 60 lbs wide, corner S
 Westerly
 34.00 Summit
 36.00 Top of ridge, from Easterly and Westerly
 and descend.
 38.00 Curve
 41.00 The point for 7 1/2 mile cor falls in dry
 wash, 60 lbs wide, corner Westerly

Entrance of St. McDonald, Red Sea - continued

Chain

40.60

Set a granite stone 20 x 15 x 6 ins, 14 ins in the ground, for vertical cor to $9\frac{1}{2}$ miles, marked W U, St M^cD M R $9\frac{1}{2}$ M. on W, and S E on E faces, from which a pale rock 5 ins diam bears $N 34\frac{1}{2}^{\circ} W$, 49 lbs dist, marked W U, St M^cD M R $9\frac{1}{2}$ M. B. S.

A pale rock 5 ins diam, bears $N 70\frac{1}{4}^{\circ} W$, 41 lbs dist, marked W U, St M^cD M R $9\frac{1}{2}$ M, B. S., and raised a mound of stone 3 ft base, 3 ft high, W of ea. and, as end

51.00 Pop, of ridge, and as end

52.10 Port, dry wash, 10 lbs wide, course S Easterly, and as end

56.00 Pop, and as end

57.50 Port, and as end

58.50 Pop, and as end

60.30 Port, dry wash, 20 lbs wide, course N

Continuation of St M'Donnell Mill Run - Continued

Chains

- Westward, and ascend
- 63.40 Sops, and descend
- 65.70 Surt, and ascend
- 69.50 Sops, and descend
- 71.50 Surt, dry wash to the under, comes
Westward
- 72.80 Ascend
- 77.50 Sops, and enter mass
- 8.00 Set a granite stone $24 \times 14 \times 6$ ins, 16 ins
in the ground, for the 10 mile cor, marked
St M'D M. R. 10 M on W, and S. L. on E
face, from which a spate & Pond, 7 ins
diam, bears $S 36^{\circ} W$, 95 lbs dist, marked
St M'D M. R. 10 M, B. D.
- A spate & Pond 6 ins diam, bears $S 11^{\circ} W$,
158 lbs dist, marked St M'D M. R. 10 M
B. D.
- A spate & Pond 4 ins diam, bears $S 9^{\circ} E$,
140 lbs dist, marked St M'D M. R. 10 M

Extremes of S. F. McConell Hill (See Continued)

Chair

W. S. and pass a mound of stone 3 ft base,
3 ft high, W of col.

Land, mountainous and level

Soil, gravelly; and 3rd rate.

Timber, mesquite and palo verde,
undergrowth, grasswood, mesquite, torto,
palo verde and cacti

Grunt cactus.

Mountainous land or land covered with
dense undergrowth, 8.000 ch.

S 6° 45' W on Elmore Hill.

Over level land

Through dense grasswood, and cacti

4.00 to end

6.80 Top and descend

9.80 Foot and enter draw, corner Westerly

10.20 Dry wash, 50 lbs wide, corner Westerly

11.00 Down draw and ascend

Extremes of St McDowell Mill Pro-Syntaxis

6 hours

- 15.00 Top of ridge, from Eastern and
Western
- 18.00 Descend
- 20.60 Port, gulch 10 the wide, corner Western
and ascend
- 22.70 Top of ridge from Eastern and
Western, and descend
- 25.00 Port and enter draw corner Western
- 28.40 Dry wash, wash, 50 the wide, corner
Western.
- 30.00 Ascend
- 39.00 Top of ridge, from N. Western and
S. Eastern, and descend
- 40.00 Set a granite stone 24 x 14 x 12 ins, 16
ins in the ground, for the 10th mile
on, marked St McDowell 10th mile
and P. L. in E. face, and raise a
mound of stone 8 ft base, 3 ft high, W of
end.

Extensions of Pt. McDonald Mill 1860 - Continued

Chamie

46.80 Port, dry wash 30 lbs wide, course
Westerly, and ascent

49.50 Top and descent

51.50 Port, dry wash 15 lbs wide, course
Westerly, and ascent

56.00 Top of spur and descent

61.00 Port, dry wash 10 lbs wide course
Westerly, and ascent

63.00 Top and descent

65.50 Port, dry wash 50 lbs wide, course S.
Westerly

71.00 Ascent

80.00 Top of ascent

Set a granite stone 20 x 12 x 9 ins, 14
ins in the ground, for the 11 mile
cor, marked Pt M^d M¹⁶ 11 M¹⁶ on
N and S Low C faces, from which
a pale road, 6 ins diam, bears
S 27 1/4° W, 50 lbs dist, marked

Extensions of St McDonald Mill Pro-Continued
Chain

St M^cD M 16 11 M 13 2

A pale sandy soil chain bears $S 48^{\circ} W$,
11 2 lbs dist, marked St M^cD M. 16 11 M
13 2 and rises, a mound of stone 3 ft
base, 3 ft high, W of cor.

Land, mountainous and level

Soil, gravelly, and water

Timber, pale sandy undergrowth,
grasswood, pale sandy and cacti
Grunt cactus.

Mountainous land or land covered
with dense undergrowth, 800 lbs.

$S 6^{\circ} 45' W$, on Twelfth Mile

Over mountainous land

Ascending

Through dense grasswood, sage
and cacti

50 Top of ridge bears N. Easterly and

Extensions of St. McDonald Mill Run - Continued

Chains

S. Westerly, and descend

1.50

Foot, dry wash, 10 lbs wide, course S.

Westerly

6.90

Dry wash 30 lbs wide, course S. Westerly
and ascend

11.70

Top of ridge, and descend

13.00

Foot, dry wash, 30 lbs wide, course S.

Westerly, and ascend

14.00

Top

16.00

Descend

17.25

Foot, dry wash, 10 lbs wide, course S.

Westerly

20.00

Dry wash, 20 lbs wide, course S. Westerly
and ascend

22.80

Top, and descend

29.40

Foot, dry wash 10 lbs wide, course
S. Westerly, and ascend

32.50

Top of ridge, base N. Westerly and
S. Easterly, and descend

Extensions of Pt McDowell Mil Res - Continued
Chains

34.00 Foot, and ascend

35.00 Top, and descend

36.65 Foot, dry wash 10 lks wide, course S.
Westerly, and ascend

41.00 Base of high ridge, base E and W

Set 2 granite stones 20 x 12 x 6 ins, 14 ins in
the ground, for the 11 1/2 mile cor, marked
Pt McD M. R. 11 1/2 M on W and S E on E

from which a pale sand 5 ins diam,
base N. 77 1/2° W, 62 lks dist, marked

Pt McD M. R. 11 1/2 M. B. D. and raise a
mound of stone 3 ft base, 3 ft high, W
of cor, and descend

44.90 Foot, dry wash 10 lks wide, course
S. Westerly

46.20 Dry wash 10 lks wide, course S.
Westerly

49.80 Dry wash 20 lks wide, course S.
Westerly, and ascend

Continuation of Pt McDonald Mill Run - continued

Chain

- 53.50 Top of ridge, course N. Easterly and
S. Westerly, and ascend
- 54.70 Foot and ascend
- 55.70 Top of spur and ascend
- 58.00 Foot, dry wash, 50 lbs mid, course
Westerly
- 61.75 to end
- 62.70 Top and descend
- 64.00 Foot, dry wash 10 lbs mid, course S.
Westerly, and ascend
- 66.20 Foot, dry wash 10 lbs mid, course
Westerly, and ascend
- 68.50 Top, and descend
- 72.90 Foot, dry wash 10 lbs mid, course S.
Westerly.
- 8.00 Set a granite stone 20 x 17 x 7 ins, 14 in
in the ground for the 10 mile cor,
marked Pt McDonald 12 m on P
and S on S spur, and pass a

Extension of St. McDonnell Mill Res - continued
 Churns

main of stone 3 ft base, 3 ft high
 W of cor.

Land, mountainous and level.

Soil, gravelly; Ord. mts.

Gravel, Palo Verde undergrowth
 grasswood, sage, Palo Verde and cacti
 S. mint cactus

Mountainous land or land covered
 with dense undergrowth, 8000 chs.

Number 28. 1700.

S 6 45' W on Flintstone Mill.

Ord. level land

Thick dense grasswood, Palo Verde
 sage and cacti.

1.00 Dry wash 20 lbs wide, course S. 100 feet

2.50 to end

3.20 Top and dry wash

5.25 Foot dry wash 10 lbs wide, course

Extracts of St McDonald Mill Rec - Continued

Chemin

- S. Westly and ascend
 10.00 Top of ridge, cross N. Easterly and
 S. Westly and descend
 13.00 Foot, and enter flat.
 14.40 Trail, cross N. Easterly and S. Westly
 17.00 Same flat and ascend
 21.40 Top of ridge, cross N. Easterly and
 S. Westly, and descend
 23.60 Foot, dry wash 10 lbs wide, cross S.
 Westly, and ascend
 29.20 Top and descend
 32.00 Foot, dry wash 10 lbs wide, cross
 S. Westly, and ascend
 33.00 Top and descend
 36.50 Foot, dry wash 10 lbs wide, cross
 S. Westly, and ascend
 37.50 Top and descend
 38.05 Foot, gully, 10 lbs wide, cross
 Westly and ascend

Extremity of St. McDonald Mill Bas. continued

6 chains

4.00

Set a granite ptov. $20 \times 16 \times 8$ ins, 14 ins
in the ground, for the $10 \frac{1}{2}$ mile
cor. marked St. McD Mill. $10 \frac{1}{2}$ M. on
N. and S. E. on E. fence, and raise
a ground of stone 3 ft. base, 3 ft.
high, W. of cor.

41.20 Trail, base E. and W.

44.00 Top, and descend

45.70 Foot, gulch 10 lbs wide, corner S.
W.

51.80 Top of hill, and descend

53.00 Foot, dry wash 15 lbs wide, corner
S. W.

56.00 Ascend

58.00 Top of spur, and descend

61.60 Foot, dry wash 30 lbs wide, corner
S. W.

62.30 Wood road, base N. E. and
S. W.

Entrances of Ft McDowell Mil Res - continued

Chasine

68.00 No ernd

68.70 Popr und dec ernd

66.80 Port dry wash, 10 lbs und, corner S.

Westerly

68.70 No ernd

70.00 Popr und dec ernd

73.60 Port dry wash 10 lbs und, corner S.

Westerly, und as ernd

8.000 Set of gneiss stones 24 x 14 x 8 ins, 16

ins in the ground, for the 13-mile cor,

numbered Ft McD M. R 13 M on W and

P & on E faces, and raise a mound of

stones 3 ft base, 3 ft high, W of cor.

und, mountains and level.

Soil, gravelly; gravel water.

Timber, pale pines, and mesquite;

undergrowth, grasswood, pale pines,

mesquite, sage, and cacti

Giant cactus

Extension of Pt McDowell Mill Res - continued
 6 hours

- Mountainous land or land covered
 with dense undergrowth, 8000 ft.
- S 6° 45' N, on Pointworth Mills.
 Over mountainous land.
- Ascending
- Through dense, gnarled, pale oaks and
 cholla cactus
- 4.50 Top of ridge, bear N. Easterly and S.
 Westerly
- 6.00 Descend
- 9.50 Foot, and gutter flat
- 12.50 Dry wash 30 lbs wide, course S.
 Westerly
- 23.00 Dry wash 10 lbs wide, course S.
 Westerly; bear flat and ascend
- 28.00 Top
- 31.00 Descend
- 36.10 Foot, dry wash 40 lbs wide, course S.
 Westerly

Extensions of St M'Donnell Mill Res - continued

Chains

- 37.90 Road road, from N. Easterly and S.
Westerly, and ascend
- 40.00 Set a granite stone $20 \times 12 \times 9$ ins, set in in
the ground, for the 13th mile cor,
marked St M'D M. 16 1/2 M on Point
S E on E faces, and raise a mound of
stone 3 ft base 8 ft high, N of cor.
- 41.20 Old road, from Easterly and Westerly,
and descend
- 42.20 Foot, gulch 10 lbs wide, corner Westerly
- 44.70 Old government road to Salt mine Valley
from Easterly and Westerly
- 45.00 Dry wash 10 lbs wide, corner Westerly
- 49.70 Ascend
- 50.00 Top of ridge, from N. Easterly and S.
Westerly, and descend
- 61.90 Foot, dry wash 10 lbs wide, corner S.
Westerly
- 60.50 Ascend

Extensions of St. McDowell Mill Res. - Mountains

Chassis

66.00 Top of spur of ridge and descend

68.00 Foot and ascend

71.00 Top of high mesa

80.00 Set a granite stone 20 x 10 x 6 ins, 14
ins in the ground, for the 14 mile
cor, marked St. M. D. M. R. 14 M on W.
and S. E. on E. faces, and round
rimmed of stone 3 ft base, 3 ft high,
W. of cor.

Land, mountains and level
Soil, generally; Soil rate.

Pin oak, pale oaks; undergrowth,
sycamore, pale oaks, sage and cactus
Grass cactus

Mountainous land or land covered
with dense undergrowth, 80.00 ch.

S. 6° 45' W. on Fifth Mile
Over mountainous land

Extension of St. McDowell Mill Race - Continued
 Chain

5.00

Through dense grassland and cacti
 Find old dredged state lying in the
 ground.

Set a limestone $26 \times 12 \times 10$ ins, 18 ins
 in the ground for the S.E. cor of
 the reservation, marked 7 in top
 S.E. C.O.R. St. M^cD M R on N.W. and
 S.R.S.R. on S.E. face, from which a
 pale red 5 ins diam, brass 116 $^{\circ}$ 2' E
 77 $^{\circ}$ 2' the dist, marked S.E. C.O.R. St
 M^cD M R B.D.

A pale red 4 ins diam, brass S 41 $^{\circ}$ 4' W
 88 the dist, marked S.E. C.O.R. St M^cD
 M R B.D.

A pale red 4 ins diam, brass N 88 $^{\circ}$ 2' W
 95 the dist, marked S.E. C.O.R. St
 M^cD M R B.D. and was a mound
 of stone 3 ft base, 3 ft high, N.W. of
 cor.

Extensions of S. T. McDowell Mil. Pro-Continued
Chains

From this on the S. W. Cor. of the
reformation bears S 80° 6' W, therefore
Spur

S 80° 6' W (on 15th mile)

- | | |
|-------|---|
| 8.40 | Dry wash 10 lbs mile, course Northwardly |
| 10.00 | Begin ascent along N. slope of ridge |
| 18.00 | Top of brow of spur S, and descend |
| 20.00 | Foot dry wash 10 lbs mile, course Northwardly, and ascend |
| 21.50 | Top of spur, and descend |
| 23.00 | Foot dry wash 10 lbs mile, course Northwardly, and ascend |
| 25.00 | Top and descend |
| 26.75 | Foot and ascend |
| 27.00 | Top and descend |
| 28.20 | Foot and ascend |
| 29.00 | Top of spur, and descend |
| 29.50 | Foot, and ascend |
| 31.30 | Top of spur, brow Northwardly, and |

Extremes of St. McDonald Mill Run - Continued

Chains

- 38.60 Descend
 38.60 Port, and ascend
 38.75 Pop, and descend
 38.60 Port, and ascend
 37.20 Pop, and descend
 39.20 Port, and ascend C slope 8/100
 40.00 Set a granite stone 20 x 14 x 12 ins, 14 ins
 in the ground, for the $14\frac{1}{2}$ mile cor
 marked St. McDonald $14\frac{1}{2}$ M on N.
 and S to P. B on S face, and raise a
 mound of stone 3 ft base, 3 ft high,
 N. of cor.
 40.85 Pop of ascent, base N. and descend
 42.40 Port, which is the wide, course N.
 Westward
 44.10
 44.10 Day wash 10 lbs rock, course N.
 Westward, and ascend
 61.00 Pop, and descend
 63.15 Port, and ascend

Itinerary of St. McDonald Mill Res. - Continued
Chain

67.40 Top of ridge, bearing NE and S W,
trail, bearing NW and SE.

75.00 Completion of 15th mile.

Set a malpais stone $21 \times 12 \times 10$ ins,
14 ins the ground, for the 15 mile cor,
marked St M^cD M R 15 M on N and
S B B on S face, from which a
stump 8 ins diam, bearing $N 61 \frac{1}{2}^{\circ} E$,
70 lbs dist, marked St M^cD M R
15 M, B. S.

A stump 14 ins diam bearing $N 82^{\circ} W$,
159 lbs dist, marked St M^cD M R
15 M, B. S., and raise a mound of
stone 3 ft base, 6 ft high, N of cor
Kind, mountainous and broken
soil, gravelly, and water
Pine, palo Verde and mesquite,
undergrowth, grasswood, palo Verde,
mesquite, sage, and cacti

Extents of St. McDonald Mill Run - Continued

Chain

Summit cactus

Mountainous land or land covered
with dense undergrowth, 8000 ch

November 27, 1900

S 80° E 1/4 N, on Sixteenth Mile

Over level land

Through scattering grasswood

6.50 Summit flat and ascend

7.00 Top and descend

10.40 Foot, and ascend

13.50 Top of bluff, facing S.

17.80 Descend abruptly 75 ft

18.30 Foot of descent and enter Poudre Valley
broad Northward and Southward

20.20 Originating ditch, 10 lbs width, corner
Southward

27.00 Bend, from N. easterly and S. Westerly

31.00 Hence, from 4 ch S

Extensions of Pt McDonald Mill Race - continued
 Chron

33.00 Bend, base N. Easterly and S. Westerly

42.00 Set a sandstone $22 \times 15 \times 7$ ins, 14 ins

in the ground, for the $15^{\frac{1}{2}}$ mile cor,
 marked Pt McDonald Mill Race $15^{\frac{1}{2}}$ NW on N

and S R & R on S fence, dig pits
 $36 \times 36 \times 12$ ins, E and W of stone, 4 ft

dist, and raise a mound of earth
 5 ft base $2^{\frac{1}{2}}$ ft high, N of cor.

From this point Barb's house base
 N 31° E, about 20 chs, p. Martiney's house

base S $75^{\circ} \frac{1}{4}$ E, about 10 chs

43.15 Bend, base N. Westerly and S. Easterly

45.60 Entire course mosquito and brackish water

53.33 Run fence base N 22° E, and S 20° W

53.75 Run fence base N 22° E, and S 20° W

54.00 Left bank of river, base N. Easterly

and S. Westerly

Set a sandstone $18 \times 8 \times 6$ ins, 12 ins in

the ground, for marker cor, marked