1885 Book 7d FIELD NOTES BOOK 1885

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	John	V D. Kes	united	States Deputy	Surveyo
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${\it Under}\ {\it hi}$	Contract No. 12	<u>/,</u> dated .	June		, 190
Survey co	nmenced Stept npleted Oct 7	14			
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59 1A BOOK 1885

NAMES AND DUTIES OF ASSISTANTS.

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George W. Cassidy	Chamman,
	mannan
$\alpha \circ e \cdot e$	
a.a. Suyder	Chamman
W. W. Oliver	0-
	axman
4611	
G. E. Wiswell	axman
W. N. Dort	Plagman
	lagman
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6—151	

BOOK 1885 INDEX DIAGRAM.

Town	nship	3 M.	, Range	318	<u> </u>
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2, 3 81	9 82	15 83	34	7 85	36

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No notary available

6—151

Chs.

Survey commenced Sept. 14th, 1904, and executed with a W. and L. E. Gurley Solar Compass, not numbered. The horizontal limb is provided with two double verniers reading to sibgle minutes of arc which is also the least count of the vernier of the latitude arc.

The vernier of the declination arc reads to 30

seconds of arc.

The instrument was examined, tested on the meridian at Phoenix, Arizona, March 3rd, 1904, and was approved by the Surveyor-General for Arizona.

I examine the adjustments of the Compass and find them in perfect condition. Then to test the Solar attachment, by comparing its indiactions made during a. m., and p. m., hours with a meridian determined by an observation on Polaris, I proceed as follows-

At the cor. of secs. 35 and 36 on the S. bdy. of Tp. 3 N., R. 31 E., heretofore established and described by me, in latitude 33° 33' 24' N., Long. 109° 05' W., I set off 33° 33' N., on the lat. arc., 3° 39' N., on the declination arc, and at 4 hours and 12 minutes, p. m., 1. m. t., by my watch which is correct, determine with the Solar a meridian, and mark a point thereof, in a stone firmy set in the ground 5 chs. N. of the Cor.

At 7 hs. 54 mins. p.m., 1. m. t., I observe Polaris at eastern elongation in accordance with the Manual

at eastern elongation, in accordance with the Manual Surveying Instructions, and mark a point in the line thus determined, on a stone firmly set in the

ground 5 chs. N. of the cor.

Sept. 14th, 1904.

Sept. 15, 1904, at 7.30 a. m., l. m. t., I lay off the azimuth of Polaris 1° 27'/ to the West, and mark the meridian thus determined, by cutting a small grove in the stone set Sept. 14th, on which the meridian falls .32 ins., east of the mark determined by the Solar.

At Shours, 5 minutes, a. m., 1. m. t., I set off 3° 03' 20' N., on the dec. arc; 33° 33'/N., on the lat. arc and mark a point in the meridian determined with the Solar, on the stone already set 5 chs. N. of my station; this mark falls .26 ins., east

of the meridian established by the Polaris observation.

The Solar apparatus by p. m. and a. m. observations defines positions for meridians, respectively about 0' 17'' W., and 0' 14'' East of the meridian established by the Polaris observation; therefore, I conclude that the adjustments of the instrument are satisfactory.

The magnectic bearing of the true meridian, at 8hs. 20 minutes a. m., is N. 17 15' W., the angle thus determined gives the magnetic declination 17° 15' E.

From the cor. of secs. 35 and 36 on the South boundary of the Township, I run, N. 0° 01' W., on a true line, bet. secs. 35 and 36.

Over rough rolling mountains through dense pine timber. Descending.

Wash, 5 lks. wide, course N. W. and ascend. Cross wash at the bottom of Humphrey's Canon, 15 1ks. wide, course N. W.

39.00 Cross wash, 15 lks. wide, course S. W.
40.00 Set a limestone, 18 x 12 x 7 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,

1.50 18.45

A pine, 18 ins., in diam. brs. S. 50 1/2° E.,
69 lks. dist. mkd. 1/4 S. 36 B. T.
A pine, 34 ins., in diam. brs. N. 31 1/4° W.,
42 lks. dist. mkd. 1/4 S. 35 B. T.
Cross wash, 10 lks. wide, course S. W.
Set a malpais stone, 16 x 12 x 12 ins., 10 ins., in
the ground for the corner of sections 25, 26, 35 and
The ground with 1 groupe on the S. and E. edges. Chs. 49.85 80.00J 36, marked with 1 groove on the S. and E. edges, 36, marked with I groove on the services,
whence,
 A pine, 12 ins., in diam. brs. N. 70° E., 27
1ks. dist. mkd. T. 3 N., R. 31 E., S. 25 B. T.
 A pine, 8 ins., in diam. brs. S. 29 1/2° E.,
27 1ks. dist. mkd. T. 3 N., R. 31 E., S. 36 B.T.
 A pine, 4 ins., in diam. brs. S. 62 3/4° W.,
34 1ks. dist. mkd. T. 3 N., R. 31 E., S. 35 B. T.
 A juniper, 38 ins., in diam. brs. N. 57 3/4° W.,
48 1ks. dist. mkd. T. 3 N., R. 31 E., S. 26 B. T.
Land rough mountains 80. chs. Soil rocky and 4th rate. Timber, pine and juniper dense, 80.00 chs. Some oak underbrush. N. 89° 56' E., on a random line, bet. secs. 25 and 36' Set temp. 1/4 sec. cor. Intersect the east boundary of the Tp. at 9 lks. N. 40.00 80.12 of the cor. of secs. 25, 30, 31 and 36, thence, I run, WEST, on a true line bet. secs. 25 and 36. Over rough mountains through heavy pine and juniper timber.
Top of spur bears N. and S. thence over rolling 29.55 mountains. 40.06 Set a limestone, 18 x 12 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence,

A pine, 20 ins., in diam. brs. S. 49° E., 8 lks. dist. mkd. 1/4 S., 36 B. T.

A juniper, 28 ins., in diam. brs. N. 45° W., 56 lks. dist. mkd. 1/4 S. 25 B. T. Cross wash, 15 lks. wide, course N. W. and ascend. 48.75 Ascend steep east slope through heavy pines and juniper. 80.12 The cor. of secs. 25, 26, 35 and 36. Land rough mountains and heavy juniper and pine timber 80.12 chs. Soil, rocky and 3rd to 4th rate. Some scrub underbrush. Sept. 15th, 1904. Sept. 16, I set off 33° 34' N., on the lat arc. 2° 34' 60'' N., on the decl. arc and at 9 hours, 16 minutes, a. m., l. m. t., I determine a meridian with the Solar. Thence I run, N. 0° 01' W., on a true line, bet. secs. 25 and 26. Over rough mountainous land. Descending thro. pine and juniper timber. Heavy growth.

Cross wash, 10 lks. wide, course E. and ascend.

Set a malpais stone, 18 x 12 x 8 ins., impossible to set in ground, in a mound of stone, marked 1/4 on 32,60 40.00 V the W. face, whence, A pinon, 10 ins., in diam. brs. S. 11 1/2° E., 38 lks. dist. mkd. 1/4 S. 25 B. T.

A juniper, 14 ins., in diam. brs. N. 59 1/2°
W., 30 lks. dist. mkd. 1/4 S. 26 B. T.

4		
	a:-	
	Chs. 50.00	Cross wash, 20 lks. wide, course E.
	58.00	Cross wash, 15 lks. wide, course E.
	76.12	To brink of canon. course E.
	77.90	Wash, 10 lks. wide, in bottom of same. Goure 6
	80.00	Ascend steep. A Cross on a malpais rock in place, at exact cor.
	00,00	point, the rock, is 4 x 4 x 4 ft. above ground, I mar
		2 grooves S. and 1 groove E. of cross, whence
		A Spruce, 14 ins., in diam, brs. N. 46 1/2° E
		113 lks. dist. mkd. T. 3 N., R. 31 E., S. 24 B. T. A spruce, 12 ins., in diam. brs. S. 19 3/4° E.,
		16 lks. dist. mkd. T. 3 N., R. 31 E., S. 25 B. T.
		A spruce, 10 ins., in diam. brs. S. 80 1/2° W.
		13 1KS, d1st, mkd, T, 3 N, R 31 R 9 96' p m
		A pine, 6 ins., in diam. brs. N. 30 ° W., 94
I		1ks. dist. mkd. T. 3 N., R. 31 E., S. 23 B. T. Land rough mountains and covered with dense pine,
		juniper and spruce timber 80. chs.
		Soil, rocky and 4th rate.
		حتن حتى عتى متي دين شب شب جب جب جب بي حل الله عن الله عن الله الله الله الله الله الله الله الل
		EAST, on a random line bet. secs. 24 and 25.
		Over rough mountains.
	40.00	Set temp. 1/4 sec. cor.
	80.18	Fell 28 lks. N. of the cor. of secs. 19, 24, 25 and 30 on the E. boundary of the Tp. heretofore estab.
		and described by me, thence I run,
		N. 89° 48' W., on a true line, bet. secs.
١		24 and 25.
		Over rough mountains through dense pine and juniper timber.
١	7.12	
	15.00	/ Wash. 15 1ks. Wide. course N. W.
	40.09	' Set a malpais stone. 18 x 8 x 6 ing 12 ing in
		the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence.
		A juniper, 12 ins., in diam. brs. N. 84° E.,
	,	70 1ks. dist. mkd. 1/4 S. 24 B. T.
		A juniper, 12 ins., in diam. brs. S. 60° E.,
	42.08	9 lks. dist. mkd. 1/4 S. 25 B. T. Wash, 15 lks. wide, course S.
	63.40	Wash, 15 lks. wide, course N. E. and descend over
	00 10	rolling mountains.
	80,18	The cor. of secs. 23, 24, 25 and 26.
		Land rough mountains covered with dense pine and juniper timber 80.18 chs.
		Soil, 4th rate.
		At this cor. at 12 o'clock noon, I set off
		the meridian the resulting latitude is 33° 35 N.
l	0	morratum and reservants ratified 18 99, 99 A N°
		N. 0° 01' W., on a true line bet. secs. 23 and 24.
		Descending steep N. N. slope of mountain, through
	15.00	dense pine and juniper timber into canyon. Cross wash, 15 lks. wide, course N. W. and ascend.
	33.00	, over rolling mountains.
	40.	✓ Set a limestone. 18 x 14 x 8 ins. 12 ins. in the
		ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,
		A juniper, 10 ins., in diam. brs. N. 87° E.,
		34 IKS. dist. mkd. 1/4 S. 24 В. Т
		A pine, 4 ins., in diam, brs. S. 22° W 42 lkg
	56.05	dist. mkd. 1/4 S., 23 B. T. / Into breaks of canon.
	77.37	I mark a cross (x) on a limestone rock in place 4 -
		/ A D It. above ground, and W. C. 3 grooves on the g
		and 1 groove on the E. of cross, for witness corner
٠	1	

Subdivisional lines in Tp. 3 N., R. 31 E., Continued.

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to the cor. of secs. 13, 14, 23 and 24, whence,
An oak, 7 ins., in diam. brs. 3. 35° W., 245
                  lks. dist. mkd. W. C. T. 3 N., R. 31 E., S. 23 B.T. A pine, 12 ins., in diam. brs. brs. S. 1° E., 37 lks. dist. mkd. W. C. T. 3 N., R. 31 E., S. 24
                  A pine, 12 ins., in diam. brs. N. 67 1/4° W.,
112 lks. dist. mkd. W. C. T. 3 N., R. 31 E., S23 14 B.T.

No other trees within limits and raise a mound
of stone, 2 1/2 ft. base, 2 ft. high, W. of the Cor. FIRST MPSAGT.
This Witness Corner, is on the edge of a cliff 75
                  ft. high.
 80.001
                  The point for Cor. falls on an inaccossible place, a step
                  hence the witness corner shalf slope impracticable to set dor.
                  Land rough mountains covered with dense pinon, pine
                  and juniper timber 80.00 chs.
                  Soil, 2nd and 4th rate.
                                                                     Sept. 16th, 1904.
                 Sept. 17th, 1904, at 7 hours, 5 minutes, a. m., l.m.t. I set off 33° 36'/N., on the lat. arc; 2° 18' 30'!

N. on the decl. arc and determine a meridian with the Solar, thence I run, S. 89° 48' E., on a random line bet. secs. 13 and 24 . Show the Contract of the secs.
                 bet. secs. 13 and 24., from the Cor. point.
Set temp. 1/4 sec. cor.
Fall 40 lks. S. of the cor. of secs. 13, 18, 19 and 24, as heretofore established and described by me.
 40.00
 80.20
                  Thence I run, 5. 89° 55' W., on a true line bet.
                  secs. 13 and 24.
                 Over rough mountainous land through dense pine timber.
                  As the point for 1/4 sec. cor. falls in Cow Creek Canon, where if constructed, it would be subject to
 16.00
                 destruction, I establish at this point on the breaks of Cow Creek Canon, on a limestone in place, 4 x 4
                 x 8 ft. above ground, a witness point, as follows-
Mark a cross (X) at the 16. chain point, and W.P. N.
                  of cross, whence
                 A pinon, 4 ins., in diam. brs. N. 55 3/4° W.,

59 lks. dist. mkd. W. P. B. T.

A pinon, 10 ins., in diam. brs. S. 75 1/2° E.,

70 lks. dist. mkd. W. P. B. T.

From this Witness Point, I offset N. 25.96 Chs.

thence S. 89° E' W., on offset line, to avoid the

Canon known as Cow Creek, where the walls are perpen
                 Canon known as Cow Creek, where the walls are perpen-
                 dicular.
                 Cross wash bottom of Cow Creek Canon, 15 lks. wide,
45.20
                 course S. 85° W.
                 To a point, thence S. 25.96 chs. to the Witness Cor. for the cor. of secs. 13, 14, 25 and 24.
Land rough mountins over breaks of Cow Creek Canon.
64.20
                 Timber pine. Soil rocky and 4th rate.
I was unable to establish a witness corner within
                 20 chs. of the objective corner on a surveyed line,
                 or within 20 chs. off said line, hence the witness pt.
                 From the Cor. point for the cor. of secs. 13, 14, 23 and 34, I run, N. 0° 01' W., on a true line,
                 bet. secs.13 and 14.
                 Descending into Canon of Cow Creek, through pine oak
                 and fir timber.
                Cross wash, course W. 15 lks. wide. and ascend. Set a malpais stone, 16 x 16 x 8 ins., 10 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W.
11.50
40.00
                 face, whence,
                          An oak, 10 ins., in diam' brs. S. 35° E. 31
```

Chs.	
	The dist wisk, 1/4 of 17 D m
	1ks. dist. mkd. 1/4 S. 13 B. T.
	A juniper, 14 ins., in diam. brs. N. 69° W.,
1	99 lks. dist. mkd. 1/4 S. 14 B. T.
46.50	Wash, 15 lks. wide, course N. W.
61.85	Wash, 15 lks. wide, course W.
80.00	got a malmain atom course w.
00.00	Set a malpais stone, 24 x 6 x 6 ins., 18 ins., in
	the ground for the cor. of secs. 11. 12. 13 and 14.
	marked with 4 grooves on the S. and 1 groove on the
	E. edges, whence,
	A pine, 18 ins., in diam. brs. N. 61° E., 224
1	lks. dist. mkd. T. 3 N., R. 31 E., S. 12 B. T.
	A nine 16 day to 16 to 18 to 1
· ·	A pine, 16 ins., in diam. brs. S. 63 1/2° E., 313
	I TAU. CIST. MAG. T. S N., R. 31 E., S. 13 B. T.
	A pine, 14 ins., in diam. brs. S. 36° W.,
	1 43 IKS. dist. mkd. T. 3 N. R. 31 E. S. 14 B. T.
	A pine, 4 ins., in diam. brs. N. 68° W., 30
	lkd. dist. mkd. T. 3 N., R. 31 E., S. 11 B. T.
	Land mough and mount of nous of the land
-	Land rough and mountainous 80.00 chs.
	Desne pine, juniper and oak timber 80. chs.
1	, Soil, rocky and 4th rate.
Į į	NVI
/	
	#.189° 55' E. on a random line bet good to and to
40.	#. 189° 55' E., on a random line bet. secs. 12 and 13, Set temp. 1/4 sec. cor.
79.96	Interpret the cost have as the me
15.50	Intersect the east bdy. of the Tp. at the cor. of
	secs. 7, 12, 13 and 18.
	Thence I run,
	WEST, on a true line bet. secs. 12 and 13, over rough
1	rolling mountains, through dense pine, juniper and
39.98	oak timber.
28 98	
00000	Set a malpais stone, 18 x 12 x 12 ins., 12 ins., in
	the ground for 1/4 sec. cor. mkd. 1/4 on the N. face.
1	witerice,
	A pine, 8 ins., in diam. brs. S. 54 3/4° E.,
	88 lks. dist. mkd. 1/4 S. 13 B. T. A pine, 18 ins., in diam. brs. N. 76° W., 100
	A nine, 18 ins in diam has N 700 W 100
	lks. dist. mkd. 1/4 S. 12 B. T.
79.96	The Con of con
13.30	The Cor. of secs. 11, 12, 13 and 14.
	Rough mountinous land 79.96 chs.
	Dense timber of cedar, oak and pinon 79.96 chs.
	Soil rocky and 4th rate.
1 .	Sept. 17th, 1904.
	Sent. 18th. 1904 at 8 hours 10 manuals
	Sept. 18th, 1904, at 8 hours, 10 minutes, a. m., 1. m. t., I set off 1° 53' 00'' N., on the left are and
	770 761/ W are and
	1 00 00/2 m., on the lat. are and determine a true
	meridian with the Solar at the cor. of secs. 11.
	12, 13 and 14, thence I run.
'	N. 0° 01' W., on a true line, bet. secs.
	11 and 12, Over rolling mountains through pine and
	oak timber. Descending.
23.00	A R Chydenia house house we to see
25.50	vorner lence. same bears N.W. and q w
26,00	irrigating dirch. 5 lks. wide. course s w
	Thence Over bottom land through dense cottonwood
	timber.
27.75	Cross a wagon road bears S. W. and N. E.
28.30	South side of barn.
28.60	N gide of home ! home
	N. side of barn (boards and shake roof.)
28.95	Log lence bears N. W. and S. E.
36.70	Cross Blue River, 20 1ks. wide. course s. W.
37.30	Log fence bears E. and W.
39.50	Ascending steep S. E. slope of ridge.
40.00	Set a malpais stone 70 v 10 v c 4-
	the ground for 1/4 see 1 x b ins., 22; ins., in
	Set a malpais stone, 30 x 12 x 6 ins., 22 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W.
	race, whence,
'	An oak, 20 ins., in diam. brs. S. 73 3/4° W.,

Chs.	26 lks. dist. mkd. 1/4 S. 11 B. T. An oak, 4ins., in diam. brs. N. 62 3/4° E., 36
43.67 80.00	Over rolling mountains along gentle E. slope. Set a malpais stone, 18 x 10 x 4 ins., 12 ins., in the ground for the cor. of secs. 1, 2, 11 and 12, marked with 5 grooves on the S. and 1 groove on the E., edges. whence.
	An oak, 4 ins., in diam. brs. N. 38 1/4° E., 59 lks. dist. mkd. T. 3 N., R. 31 E., S. 1 B. T. An oak, 10 ins., in diam. brs. S. 77° E., 90 lks. dist. mkd. T 3 N., R. 31 E., S. 12 B. T. An oak, 5 ins., in diam. brs. S. 69° W., 131 lks. dist. mkd. T. 3 N., R. 31 E., S. 11 B. T. A juniper, 24 ins., in diam. brs. N. 34 1/2° W., 285 lks. dist. mkd. T. 3 N., R. 31 E., S. 2 B. T. Land rough mountains or ocvered with heavy timber 80.00 chs. Timber pine and oak.
	At this section corner at 12, o'clock, noon, 1. m. t., I set off 1° 48' 30'' N., on the decl. arc and observe the Sun on the Meridian, the resulting latitude is 33° 37' N.
40. 80.12	EAST, on a random line, bet. secs. 1 and 12, Set temp. 1/4 sec. cor. Fell 12 lks. S. of the cor. of secs. 1, 6, 7 and 12 on the East boundary of the Tp. Thence I run, S. 89° 55' W.,
40.06	On a true line bet. secs. 1 and 12 Over slope of mountain through scattering cedar and oak brush. / Set a limestone, 18 x 12 x 3 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence,
46.68 54.15 58.95 57.10 68.80 75.95	A pine, 12 ins., in diam. brs. N. 22 1/2° E., 34 lks. dist. mkd. 1/4 S. 1 B. T. A pine, 10 ins., in diam. brs. S. 17 1/2° W., 42 lks. dist. mkd. 1/4 S. 12 B. T. Top and over rolling mountains, descending. Wash, 12 lks. wide, course N. W. Top of ridge bears N. W. and S. E. and descend. Enter river cottonwoods, thence over canon bottom. Cross Blue River 25, lks. wide, course S. and road on bank of same. Irrigating ditch, course S. W. 18 lks. wide, and leave Canon bottom, and begin ascent. The Cor. of secs. 1, 2, 11 and 12. Land rough mountains 80.12 chs. Cottonwood, ash and hackberry timber dense, in Blue River Canon.
40.00 80.30	Pine and oak timber on mountain slopes. Some scrb cedar and oak underbrush. N. 0° 1' W., on a random line, bet. secs. 1 and 2. Set temp. 1/4 sec. cor. To Center of Wash, 10 lks. wide, course, N. E. and fall 12 lks. E. of the Witness Cor. to the Cor. of secs. 1, 2, 35 and 36, on the north boundary of the Tp. said W. C. being 20 lks. W. of the true cor. pt.
40.30/	Thence I run, S. 0° 02' W., on a true line, bet. secs. 1 and 2. from the cor. pt. in wash. Over rough mountainous land. Through pine and pinon timber. Set a limestone, 18 x 10 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,

	Chs.	A ponon, 4 ins., in diam. brs. N. 70° E., 16 lks. dist. mkd. 1/4 S. 1 B. T.
,	51.00 55.95 70.50 80.30	A pinon, 10 ins., in diam. brs. S. 74° W., 45 lks. dist. mkd. 1/4 S. 2 B. T. Cross wash, 10 lks. wide, course S. E. A md. of soone on line. Cross wash, 12 lks. wide, course. E. The cor. of secs. 1, 2, 11 and 12. Land rough mountains 80.30 chs. Dense pine and pinon timber. 80.30 chs.
		Soil rocky and 4th rate. Some oak and cedar undergrowth. Sept. 18, 1904.
		At the cor. of Secs. 35 and 34 on the South boundary of the Township I set off 33° 33' N., on the Lat. arc. 1° 32' 00'' N., on the Decl arc, and at 7 hours, 15 minutes, a. m., 1. m. t. I determine a true meridian with the Solar thence I run, N. 0° 01' W., on a true line, bet. secs. 34 and 35.
	40.00	Along N. E. slope of rough mountains through heavy pine and juniper timber. Set a malpais stone, 36 x 36 x 10 ins., 10 ins., in the ground to bed rock with a mound of stones surrounding
		same, and marked 1/4 on the W. face, whence, A pine, 15 ins., in diam. brs. 54 1/2° E., 35 lks. dist. mkd. 1/4 S. 35 B. T. An oak, 5 ins., in diam. brs. N. 44 ° W. 23
	44.25 80.00	lks. dist. mkd. 1/4 S. 34 B. T. Cross wash, 10 lks. wide, course N. E. Set a malpais stone, 36 x 18 x 5 ins., 27 ins., in the ground, for the cor. of secs. 26, 27, 34 and 35 marked with 1 groove on the S. and 2 grooves on the E. edges, whence.
		An oak, 4 ins., in diam. brs. N. 21°1/2° E°, 62 lks. dist. mkd. T. 3°N., R. 31 E., S. 26 B. T. A spruce, 7 ins., in diam. brs. S. 18° E., 52 lks. dist. mkd. T. 3 N., R. 31 E., S. 35 B. T. An oak, 5 ins., in diam. brs. S. 86 1/2° W., 28 lks. dist. mkd. T. 3 N., R. 31 E., S 34 B. T. A spruce, 14 ins., in diam. brs. N. 64 3/4° W.,
		68 lks. dist. mkd. T. 3 N., R. 31 E., S. 27 B. T. Land rough mountains and covered with pine and juniper timber. 80.00 chs. Soil, rocky and 4th rate.
	40. 80.04 /	N. 89° 56' E., on a random line, bet. secs. 26 and 35. Set temp. 1/4 sec. cor. Fall 9 lks. N. of the Cor. of secs. 25, 26, 35 and 36, thence I run, WEST, on a true line bet. secs 26 and 35.
	5.00	Over rough mountainous land through heavy timber of pine and juniper timber. Descend into Canon, through scattering timber and dense oak brush.
	36.80 40.02	Dry creek, 30 lks. wide, course S. W. and ascend through heavy timber. Set a malpais stone. 36 x 15 x 5 ins. 27 ing. in
		face, whence, An oak, 4 ins., in diam. brs. S. 66° W. 50
		lks. dist. mkd. 1/4 S. 35 B. T. A pinon, 9 ins., in diam. brs. N. 36 1/2° W., 78

Chs. 45.00 55.50 60.00 71.15 80.04	lks. dist. mkd. 1/4 S. 26 B. T. Top of spur bears N. E. and S. W. and descend. Dry creek, 15 lks. wide, course S. W. and ascend. Top of ridge bears N. E. and S. W. and descend. Cress Lamphor's creek, running stream 8 lks. wide, course N. W. and ascend. The cor. of secs. 26, 27, 34 and 35. Land rough mountains 80.04 chs. Dense timber of pine and pinon or heavy brush 80.04 Soil rocky and 4th rate. At 12 o'clock noon at this cor. the Sky was overcast with clouds, no observation for lat. not practicable.
15.00 27.25 30.00 40.00	N. 0° 01' W., on a true line bet. secs. 26 and 27. Over rough mountains through heavy timber. Descending. Lamphor's Creek, running stream, 8 lks. wide, course N. W. and ascend through scattering timber. Top of spur bears N. E. and S. W. and descend. Gully, 10 lks. wide, course S. W. and ascend. and enter dense oak brush. Set a malpais stone, 36 x 24 x 8 ins., 12 ins., in the ground for 1/4 sec. cor. (to bed rock) marked 1/4 on the W. face, and surround stone with a mound of stones, whence,
49.85 54.00 6160 80.00	A juniper, 8 ins., in diam. brs. S. 5° E., 67 lks. dist. mkd. 1/4 S. 26 B. T. A juniper, 8 ins, in diam. brs. S. 42 1/4° W., 26 lks. dist. mkd. 1/4 S. 27 B. T. Gully, 10 lks. wide, course S. W. and ascend. Top of ridge, bears N. E. and S. W. and descend. Dry creek, 30 lks. wide, course S. W. and ascend. Set a malpais stone, 20 x 12 x 10 ins., 13 ins., in the ground for the cor. to secs. 22, 23, 26 and 27, marked with 2 grooves on the S. and E. edges, whence An oak, 6 ins., in diam. brs. N. 58 1/2° E., 73 lks. dist. mkd. T. 3 N., R. 31 E., S. 23 B. T. A juniper, 5 ins., in diam. brs. S. 54 1/2° E., 117 lks. dist. mkd. T. 3 N., R. 31 E., S. 26 B.T. A juniper, 4 ins., in diam. brs. S. 14° W., 35 lks. dist. mkd. T. 3 N., R. 31 E., S. 27 B. T. A juniper, 3 ins., in diam. brs. N. 29 1/2° W., 104 lks. dist. mkd. T. 3 N., R. 31 E., S. 22 B. T. Land rough mountains and covered with dense oak brush, or pine and juniper timber 80.00 chs.
	Soil, rocky and 4th rate. Sept. 19, 1904.
	Sept. 20th, 1904. Cloudy all day.
	Sept. 21, at the cor. of secs. 22, 23, 26 and 27, I set off 33° 35'/N., on the Lat. arc. 0° 45' 30'' N., on the Decl arc and determine a meridian with the Solar at 7 a. m., 1. m. t. Thence Imrun, EAST, on a random line bet. secs. 23 and 26, Over rough mountains through scattering timber and
40. 80.10	heavy brush. Set temp. 1/4 sec. cor. Fell 4 lks. N. of the cor. of secs. 23, 24, 25 and 26, thence I run, N. 89° 58' W., on a true line bet. secs. 23 and 26. Over rough mountainpus land through scattering timber
23.90 40.05	and heavy brush. Top of ridge bears N. and S. and descend. Set a limestone, 24 x 20 x 18 ins., 18 ins., in the

Chs. ground for 1/4 sec. cor. marked 1/4 on the N. face, whence, A pine, 14 ins., in diam. brs. N. 61 3/4° E., 33 lks. dist. mkd. 1/4 S. 23 B. T.

A juniper, 25 **km** ins., in diam. brs. S. 58 1/2° E., 34 lks. dist. mkd. 1/4 S. 26 B. T. 51.50 Dry creek, 30 lks. wide, course N. and ascend. Leave heavy timber. 75.00 The cor. of secs. 22, 23, 26 and 27. 80.10 Land rough mountains or covered with dense pine or juniper timber. 80.10 chs. Soil rocky and 4th rate. North 09:01' W., on a true line bet. secs. 22 and 23. Over rough mountainous land through heavy timber. 3.00 Top of ridge bears E. and W. and descend. 17.25 Dry creek, 30 lks. wide, course N. E. and ascend. Top of spur bears E. and W. and descend. Set a malpais stone, 22 x 12 x 12 ins., 16 zins., in the ground for 1/4 sec. cor.marked 1/4 on the W. 26.00 40.00 / face, whence,

A pine, 9 ins., in diam. brs. S. 40 1/2° E.,
51 lks. dist. mkd. 1/4 S. 23 B. T.

20 in diam. brs. N. 16° W., A pine, 20 ins., in diam. brs. N. 16° W.,.
68 lks. dist. mkd. 1/4 S. 22 B. T.
Cross Dry creek, 50 lks. wide, course N. W. 53.00 64.00 Top of ridge bears E. and W. and descend. 16 2 Set a malpais stone, 22 x 14 x 12 ins., 15 1/2 ins., in the ground for the cor. of secs. 14, 15, 22 and 23, marked with 3 grooves on the S. and 2 grooves on 80.00 the E. edges, whence, A pine, 18 ins., in diam. brs. N. 77° E., 69 lks. dist. mkd. T. 3 N., R. 31 E., S. 14 B. T. A pine, 15 ins., in diam. brs. S. 65° E., 72

lks. dist. mkd. T. 3 N., R. 31 E., S. 23 B. T.

An oak, 4 ins., in diam. brs. S. 54° W., 21

lks. dist. mkd. T. 3 N., R. 31 E., S. 22 B. T.

An oak, 7 ins., in diam. brs. N. 21° W., 26

lks. dist. mkd. T. 3 N., R. 31 E., S. 15 B. T.

Land rough mountains and covered with dense pine or juniper timber 80 00 chs juniper timber 80.00 chs. Soil rocky and 4th rate. Some oak brush. S. 89° 58' E. 7 on a true line bet. secs. 14 and 23. as the cort of secs. (At.) 13,14,23 & 24, falls in an place, and is witness by a W. C. Cor. 2.63 chs. S. Gully, 10 lks. wide, course N. W. Set a malpais stone, 24 x 16 x 8 ins., 18 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face, 24.30 40.00 whence, A pine, 5 ins., in diam. brs. S. 32° E., 20 lks. dist. mkd. 1/4 S. 23 B. T.

A pine, 30 ins., in diam. brs. N. 39 1/2° W., 159 lks. dist. mkd. 1/4 S. 14 B. T.

Top of ridge bears N. and S. and descend. 41.00 Dry creek, 30 lks. wide, course N. W. and ascend. I mark a cross (x) on a malpais rock in place, 52.50 76.22 10 x 6 x 2 ft. above ground, and 3 grooves S. of cross and W. C. 1 groove E., whence,
A pine, 15 ins., in diam. brs. S. 46 1/2° E.,
101 lks. dist. mkd. W. C. T. 3 N., R. 31 E., S. 2123 A pine, 14 ins., in diam. brs. S. 58° W., 74 lks.

S. 89° 58' E., on a random line, bet. secs. 11 and 14. Set temp. 1/4 sec. cor.
Fall 11 1ks. S. of the Cor. of secs. 11, 12, 13 and 14, thence I run, 40. 80.05 S. 89° 57' W., on a true line, bet. secs. 11 and 14. Over rough mts. land through juniper and pinon timber. Ascending. Enter Cottonwood, ash and walnut timber and oak 37.40 brush. Wagon road bears N. and S. W. and enter enclosure. 38.09 38.37 38.72 Blue River, 15 1ks. wide, course S. W. running water. Set a malpais stone, 26 x 12 x 14 ins., 20 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. 40.025 face, whence, A Cottonwood, 10 ins., in diam. brs. N. 6 1/2° W., 38 lks. dist. mkd. 1/4 S. 11 B.T.

A Cottonwood, k6 ins., in diam. brs. S. 24 1/4°

W., 11 lks. dist. mkd. 1/4 S. 14 B.T.

Irrigating ditch 40 lks. wide, course S.W. and leave 40.46 cottonwoods. Thomas house bears South 4 chs. dist.

Log fense bears N. and S., and leave enclosure.

Bush creek, dry 25 lks. wide, course S. E.

The cor. of secs. 10, 11, 14 and 15.

Bottom land 15.78 chs. Land rough mts. covered with heavy pine and juniper timber. 64.27 chs.

Soil let to 4th rate 52.00 54.15 56,80 80.05 Soil 1st to 4th rate. - -- me, and reave nortom. J Set a malpais stone, 36 x 24 x 10 ins., 27 ins., in 40. the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence, A Cottonwood, 16 ins., in diam. brs. S. 52 1/2° E., 38 lks. dist. mkd. 1/4 S. 14 B. T. A Walnut, 10 ins., in diam. brs. N. 62 1/2° W., 43 lks. dist. mkd. 1/4 S. 15 B. T. Ascend over rough mountains. 42.00 Top of spur bears E. and W. and descend. 43.00 Dry creek, 40 lks. wide, course S. E. 57.30 Set a malpais stone, 24 x 12 x 11 ins., 18 ins., 80. the ground for the cor. of secs. 10, 11, 14 and 15, marked with 4 grooves on the S. and 1 groove on the 800K 1888 E., edges, whence, E., edges, whence,
A juniper, 14 ins., inm diam. brs. N. 46° E.,
57 lks. dist. mkd. T. 3 N., R. 31 E., S. 11 B. T.
An oak, 9 ins., in diam. brs. S. 59 1/2° E.,
108 lks. dist. mkd. T. 3 N., R. 31 E., S. 14 B.T.
An oak, 15 ins., in diam. brs. S. 10° W., 40
lks. dist. mkd. T. 3 N., R. 31 E., S. 15 B.T.
A juniper, 18 ins., in diam. brs. N. 78 1/2° W.,
53 lks. dist. mkd. T. 3 N., R. 31 E., S. 10 B. T.
Mts. or land covered with heavy timber of pine, juniper, oak or cottonwood 70.50 chs.
Plowed land open 9.50 chs. Plowed land open 9.50 chs. Soil, 1st to 4th rate. Oak brush 27.00 chs. The line bet. secs. 11 and 14, is rough and precipitous and its survey is not necessary under my insts. hence on account of its roughness, I run, N. 0° 1' W., on a true line. bet. secs. 10 and 11, over rough mountainous land, thro. heavy timber, ascending. Top of ridge bears E. and W. and descend.

2.00

Chs. 6.95 11.00 19.05 26.00 39.70 40.00	Gully, 5 lks. wide, course S. E. and ascend. Top of ridge bears E. and W. and descend. Gully, 5 lks. wide, course E. and ascend. Top of ridge bears E. and W. and descend. Dry creek, 35 lks. wide, course N. E. and ascend. Set a malpais stone, 19 x 12 x 7 ins., 12 1/2 ins., in the ground, for 1/4 sec. cor. marked 1/4 on the W. face, whence, An oak, 15 ins., in diam. brs. S. 83 1/2° E., 121 lks. dist. mkd. 1/4 S. 11 B. T. An oak, 11 ins., in diam. brs. N. 51 1/2° W., 48 lks. dist. mkd. 1/4 S. 10 B. T. Land rough mountains 40.00 chs. Soil, 3rd and 4th rate. Dense timber, of pine, pinon, oak and juniper 40. chs. The survey of this line was discontinued at this 1/4 sec. cor. on account of the roughness of the topography and its survey is not necessary to comply with my instructions.
	Sept. 24th, 1904.
	Sept. 26, 1904, at 9 hours, 10 minutes, a. m., l.m.t. I set off 33° 33', N., on the lat. arc and 1° 14'00'', S, on the decl. arc and determine a meridian with the Solar at the cor. of secs. 33 and 34 on the S. boundary of the Tp. Thence I run. N. 0° 2' W., on a true line bet. secs. 33 and 34 ascending along W. slope of mountain through dense timber of pine oak and juniper.
24.87	Top of spur bears E. and W. and descend.
31.50 32.00	Old road bears E. and W. Gully, 10 lks. wide, course N. W. and ascend.
40.00	Set a malpais stone. 24 x 12 x 10 ins. 18 ins. in
	the ground for 1/4 sec. cor. marked 1/4 on the W.
	face, whence, A juniper, 12 ins., in diam. brs. N. 28° E., 151
	IKS. dist. mkd. 1/4 S. 34 B. T.
	A pine, 13 ins., in diam. brs. S. 30° W., 65 lks. dist. mkd. $1/4$ S. 33 B. T.
	Ascending.
54.90 80.00	Top of spur bears bears E. and W. and descend.
00.00	Set a malpais, 26 x 16 x 12 ins., 19 1/2 ins., in the ground for the cor. of secs. 27, 28, 33 and
	34 marked with 1 groove on the S. and 3 grooves on
	the E. edges, whence, An oak, 4 ins., in diam. brs. N. 23° E.,
	20 IKS, CIST, MKC, T. B N., R 31 E C 27 P m
	A pine, 20 ins., in diam. brs. S. 18° E., 42 lks. dist. mkd. T. 3 N. R. 31 E. S. 34 R. T.
	A PINE, ID INS., IN Clam, brg. S. 26° W. 66
	lks. dist. mkd. T. 3 N., R. 31 E., S. 33 B.T. An oak, 4 ins., in diam. brs. N. 28° W., 42
	Tro- 0190 mvg 1- 2 N- K- 21 E- 2- 58 B-4
	Land rough mountains covered with dense pine, pinon, oak and juniper timber 80 chs.
	Soil 4th rate. Some oak and scrub cedar brush.
	جين شيخ شهر حين مين هي هند هي شيد هي شيد شين شيد شين الذي شين آخري شيد الدين شيد آخري شيد الدين الدين الدين الدين الدين الدين
	N. 89° 56' E., on a random line, bet. secs. 27 and 34,
40.	Set temp. 1/4 Sec. cor.
80.10	Intersect the Cor. of secs. 26, 27. 34 and 35. Thence I run, S. 89° 56' W., on a true line bet. secs.
	27 and 34 Over rough mts. thro. heavy timber.

	bundly latered limbs in 19. 5 No, R. 51 E., Consinued.
Chs. 17.00 33.00 38.00 40.05	Top of ridge bears N. and S. and descend. Dry creek, 40 lks. wide, course N. W. and ascend. Top of spur bears N. and S. and descend. Set a malpais stone, 48 x 26 x 12 ins., 10 ins., in the ground to bed rock, surrounded by a mound of stones, for 1/4 sec. cor. marked 1/4 on the N. face, whence,
40.50 43.00 51.35 60.00 80.10	An oak, 8 ins., in diam. brs. N. 29° E., 22 lks. dist. mkd. 1/4 S. 27 B.T. A pine, 7 ins., in diam. brs. S. 25 3/4° W., 24 lks. dist. mkd. 1/4 S. 34 B.T. Gully, 10 lks. wide, course N. and ascend. Top of spur bears N. and S. and descend. Dry creek, 40 lks. wide, course N. E. and ascend. Top of spur bears N. and S. and descend. The cor. of secs. 27, 28, 33 and 34. Land rough mts. 80.10 chs. Dense timber of pine, pinon, spruce juniper andoak. 80.10 chs. Some brush. Soil, 4th rate.
	Sept. 26th, 1904.
	Sept. 27th. At the Cor. of secs. 27, 28, 33 and 34, at 7 hours, 5 minutes, a. m., 1. m. t. I set off 33° 34'/N., on the lat. arc and 1° 33' 30' / N., on the decl. arc and determine a true meridian with the Solar. Thence I min N 0° 2' W on a true.
31.90 40.00	Thence I run, N. 0° 2' W., on a true line bet. secs. 27 and 28 over rough mts. land thro. heavy timber. Ascending. Top of spur bears S. E. and N. W. and descend. Set a malpais stone, 36 x 12 x 12 ins., 27 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face, whence, An oak, 6 ins., in diam. brs. S. 13 1/2° E.,
40.50 62.95	41 lks. dist. mkd. 1/4 S. 27 B. T. A pine, 14 ins., in diam. brs. S. 89° W., 22 lks. dist. mkd. 1/4 S. 28 B. T. Dry creek, 30 lks. wide, course N. E. and ascend. Top of spur bears E. and W. and along E. slope of same.
78.20 80.00	Dry creek, 40 lks. wide, course N. W. and ascend. A Malpais stone, 24 x 14 x 5 ins., 18 ins., in the ground for the cor. of secs., 21, 22, 27 and 28, marked with 2 grooves on the S. and 3 grooves on the E. edgesm whence, A juniper, 12 ins., in diam. brs. N. 7 1/2° E., 18 lks. dist. mkd. T. 3 N., R. 31 E., S. 22 B.T. A juniper, 8 ins., in diam. brs. S. 35° E., 46 lks. dist. mkd. T. 3 N., R. 31 E., S. 27 B.T. A pine, 30 ins., in diam. brs. S. 60° W., 77 lks. dist. mkd. T. 3 N., R. 31 E., S. 28 B.T. An oak, 6 ins., in diam. brs. N. 40 1/2° W., 36 lks. dist. mkd. T. 3 N., R. 31 E., S. 21 B.T. Land rough mountains. 80.00 chs. Timber dense pine, juniper and oak 80. chs. Soil, rocky and 4th rate.
40. 80.28	N. 89° 56' E., on a random line bet. secs. 22 and 27. Set temp. 1/4 sec. cor. Fall 23 lks. N. of the cor. of secs. 22, 23, 26 and 27, thence I run, N. 89° 54' W on a true line.
9.00	bet. secs. 22 and 27. Over rough mts. through scattering timber. Top of spur bears N. and S. and descend.

	Chs.	· ·	
	28.00	Through your boom that	
		Through very heavy timber.	
	35.25	Gully, 10 lks. wide, course S. W. and ascend.	
	37.50	1 100 OI SOUP DEATS N H and C W and document	
	40.14	Set a malpais stone, 30 x 20 x 12 ins., 23 ins.,	
		in the ground for 1/2 ins., 23 ins.,	
	1.	in the ground for 1/4 sec. cor. marked 1/4 on the N.	
		i aco, whence,	
		A pine, 11 ins., in diam. brs. S. 0° 30' E.,	
		39 lks. dist. mkd. 1/4 S. 27 B.T.	
		A juntan 17 4 5. Z/ B. T.	
	İ	A juniper, 11 ins., in diam. brs. N. 10° W.,	
	4. 00	1 85 IAS, CIST, MKC, 1/4 S. 22 R m	
	44.00	Over pottom land, through dense hough and gottomers	
	51.75	Cross Lamphor's Creek, 10 lks. wide, running stream,	
	_	course N. W.	
	53.	Tooms No. 11	
		Leave bottom land and brush and ascend over rough mts.	
	68.00	I TON OF TIMED DESIRED IN MINING ON SOCIATION IN	
	80.28	The cor. of secs. 21, 22, 27 and 28.	
		Land rough mts 71 one not and so	
		Land rough mts. 71 chs. Bottom land covered with	
ı		douge prusit a. 00 Gus.	
		Timber pine, juniper and some oak. 80.28 chs. Dense.	
		والمراجع المراجع المرا	
		No. 3, M.	
		North bet. secs. 21 and 22.	
-		Oven mough mounts to all 22.	
-	77 00	Over rough mountainous land through heavy timber.	
1	7.00	nor rence bears E. and W.	
ı	17.00	Top of ridge bears S. E. and N. W. and descend.	
١	40.00	1 00 a mainais stone. 24 y 19 y 8 inc. to the term	
ı		the ground for 1/4 sec. cor. marked 1/4 on the W.	
		face, whence,	
1			
-		A juniper, 5 ins., in diam. brs. N. 89° E., 89	
- 1		1 185 U186 MKG 1/4 S 22 R T	
-		A juniper, 8 ins., in diam. brs. N. 67 1/2° W.,	
-		18 lks. dist. mkd. 1/4 S. 21 B.T.	
-	56.00	TO 8 nt whence the g w g	
-		To a pt. whence, the S. W. Cor. of Kahee's house,	
	56 75	DOCTO OF 10 E-2-30 CHS ATET	
١	56.75	over curtivated tand. Tence bears R and W	
-	62.65	TITIES LINE CIFCE. COURSE W. 10 lkg wide thomas	
	·	through scattering timber.	
١	63.45	Log fence hears F and W town of	
1	66.10	Log fence bears E. and W. Leave field and thro dense brus	sh.
١	70.35		-
	10.33	Cross Blue River, running water, 40 lks. wide, course	
		"" and reave obvious rand begin ascent over mte	
		Tand Unrough neavy timber	
	80.00 1	Set a malpais stone, 36 x 15 x 10 ins., 27 ins., in	
-		the ground for the con of some 35 118., 27 lns., in	
		or of the core of secs is it one of	
		Markow Wildle Strough on the Stranger	
		witelice.	
-		A pinon, 8 ins., in diam. brs. N. 65 1/2° E.,	
1		106 lks. dist. mkd. T. 3 N., R. 31 E., S. 15 B.T.	
1		An oak 6 ing in diem has a series	
		An oak, 6 ins., in diam. brs. S. 36 1/2° E.,	
1		The true with the second secon	
1	ļ		
1		TO THE UTSU MECH. T. 3 N. R. 31 E. Q. 91 D. M.	
1			
		THE TABLE WINDS TO A NORTH TO THE TERMS OF T	
		Land rough mts. 63.40 chs. Cultivated land open.	
1		6170 che Rottom land o co - tuttivated land open.	
		of one borom rand 9.90 Chs. covered with dence	
1	1	ermper or ordau.	
	1	Timber pine, juniper and pinon.	
	. 1	Sept. 27th, 1904.	
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At the Cor. of secs. 15, 16, 21 and 22, at 8 hours 10 min. a. m., 1. m. t. Sept. 28th, 1904, I set off 33° 36' N., on the lat. arc. 2° 0' 0' 5., on the
  Chs.
                 decl. are and determine a meridian with the Solar,
                 Thence I run, S. 89° 54' E., on a random line. bet. secs. 15 and 22.
                Set temp. 1/4 sec. cor.
Fall 37 lks. S. of the Cor. of secs. 14, 15, 22 and 23, thence I run, S. 89° 50' W., on a true line bet.
 40.
80.12
                secs. 15 and 22.

Over rough mts. thro. heavy timber.

Leave mts. land and cross log fence bears N. & S.
 34.10
                Cross Blue River, running stream, 60 lks. wide,
 34.20
                course S. W.
                Cross wagon road course N. E. and S. W. Clifton to
 38.25
                Luna.
                Set a malpais stone, 26 x 14 x 10 ins., 19 ins., the ground for 1/4 sec. cor. marked 1/4 on the N.
 40.06
               face, whence,

A pine, 38 ins., in diam. brs. N. 54° E., 21
lks. dist. mkd. 1/4 S. 15 B.T.

A pine, 40 ins., in diam. brs. S. 74° E., 53
lks. dist. mkd. 1/4 S. 22 B.T.

The ground for the pine minning stream. 60 lks. wide,
                Cross Blue River, running stream, 60 lks. wide,
 43.50
                course N. W.
 44.15
                Wagon road bears N. E. and N. W. Wagon road bears N. E. and S. W.
 48.10
 49.95
                Cross Blue River, running stream, 60 lks. Wide, course 3 W
               Leave Canon, and ascendents. land. The Cor. of secs. 15, 16, 21 and 22.
51.15
80.12
               Land rough mts. or land covered with dense pine, juniper
               and oak timber. 80.12 chs.
                Soil 1st to 4th rate.
                Oak brsh and brush of smaller growth of pine, pinon
               and oak along canon bottom.
               N. bet. secs. 15 and 16.
               Over rough mts. land through dense timber of pine,
               juniper, deex cedar, and oak. Top of ridge bears E. and W. and descend.
16.00
               Cross Cedar Springs Creek, 40 lks. wide, course S.W.
28.85
               and ascend. creek caries small amt. of water.
               Set a malpais stone, 18 x 14 x 5 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W.
40.00
               face, whence,
A Cdar, 5 ins., in diam. brs. N. 26° E., 15
               lks. dist. mkd. 1/4 S. 15 B.T.
                        A pinon, 8 ins., in diam. brs. S. 77° W., 10
              lks. dist. mkd. 1/4 S. 16 B.T.
Gully, 10 lks. wide, course S.E.
Top of ridge bears E. and W. and descend.
Gully, 10 lks. wide, course N. E. and ascend.
Top of spur bears N. E. and S. W. and descend.
52.55
64.00
68.30
71.05
              Dry creek, 20 lks. wide, course N. E. and ascend. Set a malpais stone, 18 x 16 x 10 ins., 12 ins., in the ground for the cor. of secs. 9, 10, 15 and 16, marked with 4 grooves on the S. and three grooves
76.85
80.
             marked with 4 grooves on the S. and three grooves on the E. edges, whence,

A pinon, 9 ins., in diam. brs. N. 30° E., 33 lks. dist. mkd. T. 3 N., R. 31 E., S. 10 B. T.

A pinon, 5 ins., in diam. brs. S. 25° E., 36 lks. dist. mkd. T. 3 N., R. 31 E., S. 15 B.T.

A pinon, 7 ins., in diam. brs. S. 16° W., 46 lks. dist. mkf. T. 3 N., R. 31 E., S. 16 B.T.

A pinon, 6 ins., in diam. brs. N. 5 1/2° W., 52 lks. dist. mkd. T. 3 N., R. 31 E., S. 9 B.T.
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Land rough mts. 80. chs.
                                          Soil, 4th rate.
                                          Timber dense, pine, pinon, juniper cedar, and oak
                                          timber 80. chs.
                                         N. 89° 50' E., on a random line bet. secs. 10 and
                                         Set temp. 1/4 sec. cor.
Intersect the Cor. of secs. 10, 11, 14 and 15.
   40.00
   80.15
                                         Thence I run, S. 89° 50' W., on a true line. bet. secs.
                                         10 and 15.
                                         Over rough mts. through heavy timber.
                                        Top of ridge bears N. and S. and descend.
Dry creek, 30 lks. wide, course S. E. and ascend.
Set a malpais stone, 24 x 14 x 10 ins., 18 ins., in
the ground for 1/4 sec. cor. marked 1/4 on the N.
      6.15
   10.40
  40.08
                                       face, whence,

An oak, 7 ins., in diam. brs. N. 20 1/2° E.,

67 lks. dist. mkd. 1/4 3. 10 B.T.
                                        An oak, 13 ins., in diam. brs. S. 32° E., 84 lks. dist. mkd. 1/4 S. 15 B.T.
  . harrenkkanskaltenkandenkkeprikkerikkerikkerikkanden en kanden en
                                      Top of ridge bears S. E. and N. W. and descend. Gully, 5 lks. wide, course S. E. Top of spur bears S. E. and N. W. and des. The cor. of secs. 9, 10, 15 and 16. Land rough mts. 80.15 chs. Dense timber of oak, juniper and pine 80.15 chs.
  42.15
  45.20
  63.15
  80.15
                                        Soil 3 to 4th rate.
                                       Some oak brush.
                                                                                                                                       Sept. 28th, 1904.
                                      At the Cor. ot secs. 32 and 33 on the South boundary
                                     of the Tp. at 7 hours, 18 minutes, a. m., 1. m. t., I set off S. 2° 25' 30' on the decl. arc, and 33° / 33' N., on the lat. arc and determine a meridian with the Solar, thence I run, N 0° 2' W., on a true line bet. secs. 32 and 33.
                                   Descending over rough mts. through heavy timber.
Gully, 10 lks. wide, course N. W.
Top of spur bears S. E. and N. W. and descend.
Gully, 10 lks. wide, course N. E. and ascend.
Top of ridge, bears N. E. and S. W. and descend.
Cross Creek, course N. W. and ascend.
A pt. whence, the N. W. Cor. of the Forest Ranger's house bears N. 51° E., 6.00 chs. dist.
Set a malpais stone, 20 x ll x 6 ins. for 1/4 sec.
cor. marked 1/4 on the W. face, whence,
A pine, 30 ins., in diam. brs. N. 78° E., 19
lks. dist. mkd. 1/4 S. 33 B.T.
A pine, 20 ins., in diam. brs. N. 62° W., 29
lks. dist. marked 1/4 S. 32 B.T.
Wagon road bears E. and W.
A pt. on line, whence N. W. Cor. of Forest Rangers
                                      Descending over rough mts. through heavy timber.
        4.15
    9.00
20.10
23.05
23.15
39.80
40.00
   40.90
                                   A pt. on line, whence N. W. Cor. of Forest Rangers house bears S. 72° E., 4 chs. dist. Top of ridge bears S. E. and N. W.
  44.48
  48.00
  51.80
                                   Dry creek, 40 lks. wide, course N. W. and ascend.
                                 Top of ridge bears S. E. and N. W. and descend.
Dry creek, 35 lks. wide, course N. W. and ascend.
Top of ridge bears E. and W. and descend.
Top of ridge bears E. and W. and descend.
Set a malpais stone, 38 x 18 x 10 ins., 28/ins., in
the ground for the cor. of secs. 28, 29, 32 and 33,
marked with 1 groove on the S. and 4 grooves on the
  54.00
  57.50
  66.00
  80.00
                                   E., edges, whence,
```

	 	
	Chs.	A pine, 16 ins., in diam. brs. N. 75° E., 65 lks. dist. mkd. T. 3 N., R. 31 E., S. 28 B.T. A pine, 22 ins., in diam. brs. S. 30 1/2° E., 25 lks. dist. mkd. T. 3 N., R. 31 E., S. 32 B.T. A pine, 18 ins., in diam. brs. S. 72° W., 20 lks. dist. mkd. T. 3 N., R. 31 E., S. 32 B. T. A pine, 17 ins., in diam. brs. N. 55° W., 74 lks. dist. mkd. T. 3 N., R. 31 E., S. 31 B.T. Land rough mts. and covered with heavy pine, oak and juniper timber 80.00 chs. Soil, 2nd to 4th rate.
	40. 80.04	N. 89° 56' E., on a random line, bet. secs. 28 and 33. Over rough mts. land thro. heavy timber. Set temp. 1/4 sec. cor. Fall 9 lks. N. of the cor. of secs. 27, 28 and 33 & 34. Thence I run, WEST, on a true line, bet. secs. 28
	23.50 32.60 40.02	and 33. Over rough mts. land. through heavy timber. Dry creek, 35 lks. wide, course N. W. and ascend. Top of spur bears N. and S. and descend. Set a malpais stone, 28 x 14,x05 ins., 21 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face, An oak, 18 ins., in diam. brs. N. 60° E., 17 lks. dist. mkd. 1/4 S. 28 B.T.
	48.45 53.45 56.25 60.00 62.00 66.00 67.95 71.00 74.40 77.00 80.04	An oak, 15 ins., in diam. brs. S. 54° E., 54 lks. dist. mkd. 1/4 S. 33 B.T. Dry creek, 30 lks. wide, course N. W. and ascend. Top of spur bears S. E. and N. W. and ascend. Gully, 10 lks. wide, course N. W. and ascend. Gully, 10 lks. wide, course N. W. and ascend. Gully, 10 lks. wide, course N. W. and descend. Gully, 10 lks. wide, course N. W. and descend. Gully, 10 lks. wide, course N. W. and descend. Gully, 10 lks. wide, course N. W. and descend. Gully, 10 lks. wide, course N. W. and ascend. Top of ridge bears S. E. and N. W. and ascend. Top of ridge bears S. E. and N. W. and descend. Top of ridge bears S. E. and N. W. and descend. The cor. of secs. 28, 29, 32 and 33. Rough mts. land and dense pine, oak and juniper timber. 80.04 chs. Some bruah of scrub oak and cedar. Soil, 4th rate. Sept. 29th.
	12.15 14.00 16.65 19.00 27.35 33.40	At the cor. oof secs. 28, 29, 32 and 33, at 7 hours 12 minutes, a. m., 1. m. t. Sept. 30th, I set off on the lat. arc 33° 34′ N., and on the decl. arc 2° 44′ 30′/ S., and determine a meridian with the solar at the cor. described. Thence, N0° 2′ W., on a true line. bet. ses. 28 and 29, descending over rough mts. thro. heavy timber. Gully, 10 1ks. wide, course N. W. and ascend. Top of ridge bears S. E. and N. W. and descend. Gully, 10 1ks. wide, course N. W. and ascend. Top of ridge bears S. E. and N. W. and descend. Dry creek, 20 1ks. wide, course N. W. and ascend. Top of ridge bears S. E. and N. W. and descend. Set a malpais stone, 24 x 18 x 6 ins., 18 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face, whence,
- 1	i	

	Chs.	A juniper, 16 ins., in diam. brs. N. 73° E., 111 lks. dist. mkd. 1/4 S. 28 B.T. A pine, 28 ins., in diam. brs. N. 40° W., 101
	52.80 66.00 79.50 80.00	lks. dist. mkd. 1/4 S. 29 B.T. Dry creek, 35 lks. wide, cours: N. W. and ascend. Top of ridge bears N.W. and S. E. and descend. Dry creek, 40 lks. wide, course N. W. and ascend. Set a malpais stone, 26,x18 x 4 ins., 19 1/2 ins., in the ground for the cor. of secs. 20, 21, 28 and 29, marked with 2 grooves on the S. and 4 grooves on the E. edges,
		A pinon, 5 ins., in diam. brs. N. 59 1/2° E., 40 lks. dist. mkd. T. 3 N., R. 31 E., S. 21 B.T. An oak, 5 ins., in diam. brs. S. 45° E., 27 lks. dist. mkd. T. 3 N., R. 31 E., S. 28 B.T. A pine, 15 ins., in diam. brs. S. 79° W., 57 lks. dist. mkd. T. 3 N., R. 31 E., S. 29 B.T. A juniper, 10 ins., in diam. brs. N. 19 1/2° W., 108 lks. dist. mkd. T. 3 N., R. 31 E., S. 20 B.T. Land rough mts. 80. chs. Timber of dense pine, pinon, oak and juniper 80 chs. Soil, 3rd to 4th rate. Some oak and scrub cedar brush.
	40. 80.26	EASE, on a random line, bet. secs. 21 and 28. Set temp. 1/4 sec. cor. Fall 10 lks. S. of the Cor. of secs. 21, 22, 27 and 28.
	4.13 24.28 40.13	Thence, I run, S. 89° 56' W., on a true line, bet. secs. 21 and 28. Over rough mts. through heavy timber. Dry.creek, 40 lks. wide, course N. W. and ascend. Top of ridge bears N. and S. and descend. Set a malpais stone, 24 x 16 x 12 ins., 18 ins., in the ground for 1/4 sec. cor. marked 1/4 on the N. face,
	41.30 45.27 50. 74.40 80.26	A pinon, 4 ins., in diam. brs. S. 50° W., 23 lks. dist. mkd. 1/4 S. 28 B.T. A pinon, 4 ins., in diam. brs. N. 23° W., 36 lks. dist. mkd. 1/4 S. 21 B.T. Dry creek, 35 lks. wide, course N.W. and ascend. Top of spur bears N. and S. and descend. Dry creek, 35 lks. wide, course N. and ascend. Top of ridge bears S. E. and N.W. and ascend. The cor. of secs. 20, 21, 28 and 29. Land rough mts. 80.26 chs. Timber dense pine, pinon and juniper 80.26 chs. Some brush.
	7.00 7.60	North 0° 2' W., on a true line. bet. secs. 20 and 21. Over rough mts. alnd through heavy timber. Top of spur bears S. E. and N. W. and descend. A pt. on line, whence the S. E. Cor. of Thompson's house bears N. 67° W., 18 chs. dist. Dver bottom land, ditch, 12 lks. wide, course W.
	22.00 24.70 25.15 26.50	Log fenace bears E. and W. thence thro. scattering timber. Irrigating ditch, course W. 10 lks. wide. Log fence bears E. and W. Road from Clifton, E. and W. Cross Blue River, running stream, 60 lks. wide, course
4	27.35 29.75	W. Old road bears E. and W. Over mts. land through heavy timber.
i	i	

7	
Chs. 40.	
40.9	A pt. on line, whence the S. E. cor. of Thompsons house bears S. 50° W.
51.0 57.7 61.0	5 Gully, 10 lks. wide, course N. E. and ascend. O Top of ridge bears N. E. and S. W.
63.8 67.0 73.9	O Guily, 10 lks. wide, course N. E. and ascend. O Top of ridge bears N. E. and S.W. and desc. O Dry creek. 30 lks. wide. course F
80.	the ground for the cor. of secs. 16, 17, 20 and 21, marked with 3 grooves on the S. and 4 grooves on the E. edges. whence.
	A pinon, 9 ins., in diam. brs. N. 10 1/2° E., 15 lks. dist. mkd. T. 3 N., R. 31 E., S. 16 B.T. A pinon, 7 ins., in diam. brs. S. 61 1/2° E., 35 lks. dist. mkd. T. 3 N. B. 71 F.
	35 lks. dist. mkd. T. 3 N., R. 31 E., S. 21 B.T. A Cedar, 5 ins., in diam. brs. S. 45 3/4° W., 54 lks. dist. mkd. T. 3 N., R. 31 E., S. 20 B.T. A pinon, 13 ins., in diam. brs. N. 50° W., 55 lks. dist. mkd. T. 7 N.
	Bottom land 11.00 chs. Mts. land 69. chs. Dense brush and scattering timber in bottom 11.00 chs. Dense pine, pinon, oak and juniper 69 chs.
	Soil, 1st to 4th rate. Sept. 30th, 1904.
40	Oct. 1st, 1904, at the cor. of secs. 16, 17, 20 and 21, I set off 33°36'/N., on the lat. arc and 3°9'/2 S., on the decl arc and at 8 hours, 30 min. a. m., 1. m. t., determine a meridian with the Solar. Thence I run, N. 89° 56' E., on a random line, bet. secs. 16 and 21.
40. 80.30	Thence I run, S. 89° 56' W., on a true line bet. secs. 16 and 21.
19.80 39.07	Gully, 8 lks. wide. course N and age
40.15	the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence.
	A pinon, 5 ins., in diam. brs. N. 6 1/2° E., 24 lks. dist. mkd. 1/4 S. 16 B.T. A pinon, 5 ins., in diam. brs. S. 46° W.,
42.1 51.1	7 Cross Cedar's spring canon. running water 5 lkg
51.6 69.3	
80.30	The Cor. of secs. 16, 17, 20 and 21. Land rough mts. 80.30 chs. covered with dense timber of pine, pinon, cedar, and oak.
	Some scrub cedar and oak brush
	At this sec. cor. at 12 o'clock, noon, 1.m.t., I set off 3° 14' S., on the decl. are and charmes
•	the Sun the resulting latitude is 33° 36' N., the true lat.
	فيها كله الله الله الله الله الله الله الل

Chs.	Oct. 1st, 1904. K discontinue, the survey at this cor. as the country or sects. N. and E. are very rough and mts. land and the survey of the country is not necessary to include any settlers, agricultural or grazing lands called for in my special insts.
	Oct. 2nd, At the cor. of secs. 31 and 32 on the S. bdy. of the Tp. at 8 hours, 16 minutes, a. m., 1.m.t., I set off 33° 33'/N., on the lat. arc and 3° 32'/S., on the decl. arc and determine a meridian with the Solar, thence, I run, N. 0° 3' W., on a true line, bet. secs. 31
5.60 9.00 20.15 32.00 40.	and 32. Over rough mts.descending, thro. heavy timber. Dry creek, 35 lks. wide, course N.W. and asc. Top of ridge bears S. E. and N. W. and des. Gully, 10 lks. wide, course N.W. and asc. Top of ridge bears S. E. and N. W. and des. Set a malpais stone, 18 x 12 x 10 ins., 12 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W., face, whence,
40.20 48.00 52.00 59.00 69.00 72.00 74,45 80.	An oak, 6 ins., in diam. brs. S. 21° E., 25 lks. mkd. 1/4 S. 32 B.T. A juniper, 4 ins., in diam. brs. S. 27° W., 49 lks. dist. mkd. 1/4 S. 31 B.T. Dry creek, 25 lks. wide, course N.W. and ascend. Top of ridge bears S. E. and N. W. and des. Gully, 10 lks. wide, ourse N.W. and des. Dry creek, 30 lks. wide, course N.W. and asc. Top of ridge bears S. E. and N.W. and des. Dry creek, 30 lks. wide, course N.W. and asc. Top of spur bears E. and W. and des. Ory creek, 25 lks. wide, course N. W. and ascend. Set a malpais stone, 24 x 12 x 10 ins., 18 ins., in the ground for the cor. of secs. 29, 30, 31 and 32, marked 1 groove on the S. and 5 grooves on the E. edges, hwnece, A juniper, 7 ins., in diam. brs. N. 32° E., 56 lks. dist. mkd. T. 3 N., R. 31 E., S. 29 B.T. A juniper, 18 ins., in diam. brs. S. 46° E., 74 lks. dist. mkd. T. 3 N., R. 31 E., S. 32 B.T. A juniper, 20 ins., in diam. brs. S. 84° W., 41 lks. dist. mkd. T. 3 N., R. 31 E., S. 31 B.T. A pinon, 7 ins., in diam. brs. N. 17° W., 81 lks. dist. mkd. T. 3 N., R. 31 E., S. 30 B.T. Land rough mts. and covered with dense timber
	of juniper, pine, pinon and oak. Soil 3rd to 4th rate. Some crub cedar and oak brush.
40. 79.92 /	N. 89° 56' E., on a random line bet. secs. 29 and 32 over rough mts. Set temp. 1/4 sec. cor. Fell DI 1ks. N. of the Cor. of secs. 28, 29 32 and 33, thence I run, S. 89° 56' W., on a true line bet. secs. 29 and 32.
1.95 3.92 15.85 17.40 19.92 25.70 28. 39.96	Over rough mts. land through heavy timber. Gully, 15 lks. wide, course N. W. and asc. Top of ridge bears S. E. and N. W. Gully, 10 lks. wide, course N. W. and asc. Top of ridge bears S. E. and N. W. & desc. Dry creek, 30 lks. wide, course N.W. Road bears S. E. and N. W. Top of ridge, brs. S. E. and N. W. and desc. 15 Set a malpais stone, 20 x 14 x 8 ins., \frac{13}{12} ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face, whence,

Subdivisional lines in T. 3 N., R. 31 E., Continued.

+		
	Chs.	A pinon, 14 ins., in diam. brs, N. 14° E., 42 lks. dist. mkd. 1/4 S. 29 B.T.
	42.12 43.00 49.92 72. 79.92	Gully, 10 1ks. wide, course N. Top of ridge bears S. E. and N. W. and des. Top of ridge bears S. E. and N. W. and desc. The cor. of secs. 29, 30, 31 and 32. Land rough mts. and covered with dense pinon, pine, juniper and oak timber. 79.92 chs. Soil 3rd to 4th rate.
		Oct. 2nd.
	•	oct. 3rd, at the cor. of secs. 29, 30, 31 and 32, I set off 33° 34' N., on the lat. arc and 3° 53' 30'' S., on the dec. arc and determine a meridian with the Solar. Thence I run, S. 89° 56' W., on a ran-
	4.0	dome line bet. secs. 30 and 31.
	40. 81.05	Fall 26 lks. S. of the Cor. of secs. 25, 30, 31 and 36, thence I run, S. 89°53' E., on a true line, bet. secs. 30 and 31.
	18.95	Over rough mts. thro. heavy timber. Top of ridge bears N. and S. and desc.
	29.75	Cross Blue River, 40 lks. wide, course S. and over bottom land through oak brush, cottonwood and, ash, and hackberry timber.
	36.04 41.05	Road bears N. and S.
	41.15 76. 81.05	Set a malpais stone, 20 x 16 x 10 ins., 14 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face, A juniper, brs. N. 22 1/2° E., 13 lks. dist. mkd. 1/4 S. 30 B.T. (tree 16 ins., in diam.) An oak, brs. S.85° E., 70 lks. dit. mkd. 1/4 S. 31 B.T. (tree 8 ins., in diam.) Leave bottom and ascend over mts. land. Timber becomes heavier. The cor. of secs. 29, 30, 31 and 32.
		Land mts. 6965 chs. and covered with pine, pinon, oak and juniper. Bottom land covered with dense brush and river trees such as cottonwoodm ash, etc. 11.40 chs. Soil, 1st rate in bottom, 4th rate on mts.
;	3.00 32.60 37.00 40.	N. 0° 3' W., on a true line, bet. secs. 29 and 30. Over rough mts. land through heavy timber. Top of ridge bears E. and W. and descend. Dry creek, 50 lks. wide, course N. W. and descend. Top of ridge bears S. E. and N. W. and desc. Set a malpais stone, 24 x 14 x 12 ins., 18 ins., in the ground for 1/4 sec. cor. marked 1/4 on the W. face,
נו נו נו נו נו	52.00 52.45 53.80 56.40 57.00 58.25 54.10	A pine, 9 ins., in diam. brs. \$.80° E., 45 lks. dist. mkd. 1/4 S. 29 B.T. An oak, 11 ins., in diam. brs. S. 67 1/2° W., 33 lks. dist. mkd. 1/4 S. 30 B.T. Top of ridge bears S. E. and N. W. and desc. Old road bears N. W. and S. E. Old road bearing to the N. E. Over bottom land through scattering cottonwoods, ash and hackberry through dense oak brush. Road bears E. and W. Dry creek, 35 lks. wide, course N.W. Cross Blue River, running water, 40 lks. wide, course S.W.

Subdivisional lines in T. 3 N

Chs. 经工工企业 80.00

Set a malpais stone, 24 x 16 x 13 ins., 18 ins., in the ground for the cor. of secs. 19, 20, 29 and 30. marked with 2 grooves on the S. and 5 grooves on the E., edges, whence,

A walnut, 7 ins., in diam. brs. N. 30° E., 1.50 lks. dist. mkd. T. 3 N., R. 31 E., S. 20 B.T. A cottonwood, 8 ins., in diam. brs. S. 43 1/4° E., 231 lks. dist. mkd. T. 3 N., R. 31 E., S. 29

A pine, 7 ins., in diam. brs. S. 25° W., 448 lks. dist. mkd. T. 3 N., R. 31 E., S. 30 B.T.

A walnut, 6 ins., in diam. brs. N. 23 1/2° W., 64 lks. dist. mkd. T. 3 N., R. 31 E., S. 19 B.T.

Land rough mts. and covered with pine, pinon, oak and juniper timber 56.40 chs. Bottom land covered with dense oak and river brush,

and cottonwood, walnut, hackberry, and ash timber. 23.60 chs.

Soil, 1st rate in bottom, over mts. aind 4th rate.

 N_{\bullet} 89° 56' E_{\bullet} , on a random line bet. secs. 20 and 29 Set temp. 1/4 sec. cor.

Fall 07 lks. S. of the cor. of secs. 20, 21, 28 and 29.

Thence I run, S. 89° 53' W., on a true line bet. secs. 20 and 29.

Over mts. land thro. heavy timber.

Dry creek, 30 lks. wide, course N. W. and ascend.

Top of ridge bears S. E. and N. W. and desc. /Gully, 10 lks. wide, course N. W. and asc. Set a malpais stone, 24 x 14 x 11 ins., 18 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the N. face, whence,

A pinon, 11 ins., in diam. brs. S. 48 1/2° W., 20 lks. dist. mkd. 1/4 S. 29 B.T.

A juniper, 15 ins., in diam. brs. N. 30° W., 64 lks. dist. mkd. 1/4 S. 20 B.T.

Leave mts. land and enter bottom land covered with oak brush and cottonwood, ash, walnut and hackberry timber.

Cross Blue River, running stream 40 lks. wide, course

The Cor. of secs. 19, 20, 29 and 30. Land mts. covered with pine, pinon, oak and juniper 69.80 chs. Land bottom, covered with dense brush, cottonwood, pine, pinon, ash, hackberry, walnut and

oak. 10 chs. Soil 1st rate in bottom, 4th rate on mt. Oct. 3rd. 1904.

Oct. 4th, at the cor. of secs. 19, 20, 29 and 30 on Oct. 4th, I set off 33° 35' N/, on the lat. arc, 4° 17'/S., on the decl arc and at 7 hs. 20 m, a.m.

1. m. t. I determine a meridian with the Solar.
Thence I run, 3. 89° 53' W., on a true
line, bet. secs. 19 and 30. line, bet. secs. 19 and 30.

Over Bt. land through dense oak brush and cottonwoods

ash, pine, pinon, walnut, etc.
Road bears N. and S.
Leave bottom land and over mts. land, ascending.
Set a malpais stone, 26 x 14 x 7 ins., 20 ins.,
in the ground for 1/4 sec. cor. marked 1/4 on the N. face, whence,

40. 79.80

.15 7.80

23.00 39.90

69.80

74. 79.50 79.90

2.65 5.80 40.00 V Chs.

A pine, 20 ins., in diam. br 32 lks. dist. mkd. 1/4 S. 19 B.T. in diam. brs. N. 55 1/2° E., A pine, 16 ins., in diam. brs. S. 66° W., 36 lks. dist. mkd. 1/4 S. 30 B.T. Bottom land covered with heavy brush 5.80 chs. Mts. land covered with heavy pine, pinon, juniper & oak timber 34.20 chs. Soil, 1st to 4th rate.

N. 0° 3' W., on a true line bet. secs. 19 and 20. Over bottom land thro. scattering timber and river brush and debris. Road bears N. E. and S.W.

12.70 13.80 19.05

40.

Over mts. land thro. heavy timber. Top of ridge bears E. and W. and descend. Enter Fish Hook creek, course S.E.

33.85 39. Leave same.

 $\sqrt{\ }$ Set a malpais stone, 28 x 12 x 8 ins., 21 ins., in the ground for 1/4 sec. cor. mkd. 1/4 on the W. face,

A Cedar, 6 ins., in diam. brs. N. 86° E., 34 lks. dist. mkd. 1/4 S. 20 B.T.

A Cedar, 8 ins., in diam. brs. N. 84 1/2° W., 26 lks. dist. mkd. 1/4 S. 19 B.T.

Land rough mts. 26.20 chs.

Bottom covered with brush and debris 13.80 chs. Timber, cottonwood, willow, cedar, ash and walnut in bottom, on mt. ridge pine, pinon, cedra and juniper. Soil, 1st and 4th rate. Oct. 4, 1904.

Note, my reasons for discontinuing the survey of the balance of the Tp. is that my instructions only authorize me to survey the agricultural and grazing lands lying along or within the Canon of the Blue River which I have done, and in so doing have included all settlers claims within the Tp. GENERAL , DESCRIPTION.

This township contains Canon bottom land and mts. land. The soil ranges from rich alluvial to barren mountain boulders and rock slides.

The surveyed portion of the township is suitable for grazing puprposes on the uplands, along the Canon Bottom of the Blue River, the land in places is cleared and planted into crops of alfalfa, corn, and wheat, barley and oats.

Cottonwood, ash, sycamore and other kinds of timber which grow along streams well watered are found in the Canon bottom. The uplands or Mt. slopes and tops are covered with pine, pinon, juniper cedar and oak, of a commercial value. Many of the tres are beautiful specimens of their specie.

The township is well watered by the Blue River and its many small tributaries.

John W. Hisse U. S. Deputy Surveyor.

Oct. 4, 1904.

Bound'y	. course.	Distance	. N.	s.	E.	₩.
S. Bdy. E. Bdy. North and	N.89°56'E. North, West, S.0°2'W.	480.00° 80.00° 80.30°	•56° 480•00°	80.30	481.45	80.00
West B dys.	S.O ^C 2'E./ 8.89 ⁵ 7'W. S. 1'E. S.89 ⁵ 5'W!W.	80.05/ 80.00		80.00 .07 80.00 .23	.02	80.08
	S.89°56'W S.0° 2' E S.89°53' V S.0° 3'E.	80.80 80.00 79.80	Ž.	.09 80.00 .16	.04	79.80
; ;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	N.89°53'W.		.16	80.00	.07,	81.05

Error in lat.

480.72 480.69 481.67 481.67 -99 480 72 481.65 -05 Error in Dep. .21

FINAL OATHS OF DEPUTY SURVEYOR AND HIS ASSISTANTS.

	LIST OF	NAMES.		ROOK	1885
A list of the names of the indiv	viduals employed	d by John	~ (Q) X	isse	
		puty Surveyor, to a			บอ. ชา
marking the lines and corners describe	ed in the foregoi	ng field notes of th	e survey of Z		
subdivision line	- of 94	13 21. Rg	3/6.		
showing the respective capacities in w	Thich they acted	:	,		
	· ·	Derage (1	1) Casein	(
	/	George U		Z, Chan	nman
		2. a. Sny	der	, Chair	nman
				, Moun	dman
	<u>_</u>	W. W. O	liver	, Axma	n.
		G. E. W.	iswell	Axma	n.
		W. J. 4	ort	Flaam	an
FINAL	OATH OF	ASSISTANT		·, I tagne	· ca ro :
We hereby certify that we assist	sted Joi	en Do	Hease		
hose parts or portions of the the	suled.	, United States De	puty Surveyor,	in surveyi	ing a
M. Ag. 31 E.		outon C	me of	14	3
meridian, meridi	een surveyed by our knowledge ng to the instru	him and under his and belief well an	direction; and the	hat said si	urvey
eneral for Asigona	3				
	*	George IV	assides	Chainm	
<u>-</u>		(1)		., Chainn	ian.
			<i>uju</i>	-, Chainm	an.
				, Moundn	nan.
	/	, 11 11 17		, Moundm	nan.
	<i>U</i>		Hive	$/_{Axman}$.	
/)(_	4/1/	7, E, Wise	uell	, Axman.	
W.	10. 1° or	<u>r. </u>		Flaamar	7
				<i>y y</i>	•
bscribed and sworn to before me this	4th)				
day of October, 18	89 1904	() of	(1) 11	,a	
©©©©©© © SEAL © © SEAR		John U. V.	1) 1 · ·	say	
3-151	•	4. 4.	Klef. Fre	rvey	or
Non	rotary	availab	Co	V	
	0				

FINAL OATH OF	UNITED STATES DEPUTY SURVEYOR.
014 1885 1, John J.)	
1, John I.	Wesse United States Deputy Surveyor, do
	of a contract received from Frank . Ingalls
United States Surveyor General for	bearing date of the 1904, 189, I have well, faithfully, and truly, in my own
17 day of	1904, 189 , I have well, faithfully, and truly, in my own
proper person, and in strict confor-	mity with the instructions furnished by the United States Surveyor
General for	, the Manual of Surveying Instructions, and the laws of the arts or portions of the subdivision times
United States, surveyed all those pa	erts or portions of the control of t
8 170.3 2. Sig. S.	<u> </u>
	of the Gila and
Of of Oires	the Persitory of argona, which are represented in the
foregoing field notes as having bee	on surveyed by me, and under my direction; and I do further solemnly
swear that all the corners of said s	urvey have been established and perpetuated in strict accordance with
the Manual of Surveying Instruction	ons, and the special written instructions of the United States Surveyor
General for Usugona	and in the specific manner described in the field notes, and that
the foregoing are the original field	notes of such survey; and should any fraud be detected, I will suffer
the penalty of perjury under the pr	rovisions of an Act of Congress approved August 8, 1846.
	John 4. Hesse
1.	United States Deputy Surveyor.
(al M	Miller
Subscribed by said	, and sworn to before me
this day of	(V). 189-1904,
220000	Mank & in-yell
Ö SEAL Ö ÖGGGGG	M. D. Dir. Deal.
	APPROVAL.
OFFICE OF	THE UNITED STATES SURVEYOR GENERAL,
	Thoenif R! Upil 2/ , 1890
	the survey of the Subdivisional lines of T.
The foregoing field notes of	Gla and Salt I wer Base and Men
	The way
dian in The lerr	ilory of arriona
	<u> </u>
	·
executed by John J. J.	(lsa 6) 12 / 2/4 100 having be
(1)	deted / / / / / / 189 , having bee
critically examined, and the nec	essary corrections and explanations made, the said field notes, and the
surveys they describe, are hereby	approved.
	United States Surveyor General
I cortify that the foregoing	g transcript of the field notes of the above-described surveys in
	, has been correctly copied from the original notes on file in this office.
	- United States Surveyor Gener