- Recd with letter from the Decretary of the Interior datel for 19-1904

FIELD NOTES

	OF THE SURVEY OF	BOOK 1809
	1809	
		• •
	WEST BOUNDARY	
•	•	• • • •
•	of	
	T. 12 N., R. 10 E.	
		*
	A	
	1809,	
		Ang. Ang.
Of th	ne Gila & Salt Riv.Base & N	Ieridian,
	State of Arizona.	-
	AS SURVEYED BY	
W. H. Thorn,	, United &	States Deputy Surveyor
inatmustion		
	•	
Survey commenced Ja	nuary 15, 1905.	, 20 8



BOOK 1809

Mames and Duties of Assistants.

J. T. Price,				Chainm	an,
W. L. Foster,					
John W. Farmer,					
·					
W. F. Bolinger,					
T W				Marradmo.	_
D. J. Woodward,				Moundma	Π,
F. W. Powell,				Axman,	
			K		
J. I. McKelvey,				tt	
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W. D. Roach,	4	•		Flagma	n.
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1809

BOOK 1809 INDEX DIAGRAM.

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Meanders Page

91 (C) BOOK 1809

Preliminary Oaths of Assistants.

WE, J. T. Price, W. L. Poste	er, mmd John W. Farmer, W.F. Bolinger,
do solemnly swear that we will well and faithfu	ally execute the duties of chainmen; that we will level the
chain upon even and uneven ground, and plumb	the tally pins, either by sticking or dropping the same; that
we will report the true distances to all notable	objects, and the true lengths of all lines that we assist in
measuring, to the best of our skill and ability, an	nd in accordance with instructions given us, in the survey of
W. Bdy. T. 12 N., R. 10 E.,	
	J. T. Price, W. L. Foster, Chainman.
	John W. Farmer, W.F.Bolinger, Chainman.
Subscribed and sworn to before me this 15th day of January, 1903.)
day of January, 1903., xxx	
ଚ୍ଚତ୍ରକ୍ତ	W. H. Thorn,
800000	U. S. Surveyor.
xxxx I, D. J. Woodward,	**************************************
do solemnly swear that we will well and truly	perform the duties of moundmen in the establishment of
	to the best of our skill and ability, in the survey of
W. Bdy. T. 12 N., R. 10 E.	
	D. J. Woodward, , Moundman.
	, Moundman.
Subscribed and sworn to before me this 15	th)
day of January, 1903.	{
day of bestearing the same of	W. H. Thorn,
000000	
Ø SEAL Ø	
O SEAL O	U. S. Surveyor,
WE. F. W. Powell,	
	and J. I. McKelvey,
do solemnly swear that we will well and truly p	
do solemnly swear that we will well and truly p and other duties, according to instructions give	and J. I. McKelvey, berform the duties of axmen in the establishment of corners on us, to the best of our skill and ability, in the survey of
do solemnly swear that we will well and truly p and other duties, according to instructions give	and J. I. McKelvey, perform the duties of axmen in the establishment of corners on us, to the best of our skill and ability, in the survey of
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do solemnly swear that we will well and truly pand other duties, according to instructions give W. Bdy. T. 12 N., R. 10 E. Subscribed and sworn to before me this15t day ofJanuary, 1903, xxx	and J. I. McKelvey, perform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of F. W. Powell,
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do solemnly swear that we will well and truly pand other duties, according to instructions give W. Bdy. T. 12 N., R. 10 E. Subscribed and sworn to before me this15t day of	and J. I. McKelvey, perform the duties of axmen in the establishment of corners in us, to the best of our skill and ability, in the survey of F. W. Powell,

```
January 15, 1903. At the Standard Cor. to T. 13 N., Rs. 9 and 10 E., on the 3rd Standard Parallel N.,
Chains.
              which is a limestone, 6x10x6 ins. above ground, firmly set, marked with 6 notches on N., E., and W. faces; S C on N. face; witnessed by 3 bearing
              trees in good state of preservation.
           At 10 a.m., 1.m.t., I set off 34° 28' N. on the lat. arc; 21° 13' S. on the decl. arc; and determine a
              true meridian with the solar.
                             Magnetic declination 14° 00' E.
            Thence I run
            West on a true line along S. bdy. sec. 36,
           Ascend gradual E. slope, through heavy yellow pine
              and oak timber.
   5.00
            Top of ridge, bears N. and S.
           Descend steep W. slope.
  6.00
  10.50
                                                 Ascend steep E. slope.
            Side hill drain, course N.
           Top of ridge, bears N. and S. Descend W. slope of small lake. Difference between measurements of 17.67 chs. by two
  15.00
  16.00
              sets of chainmen is 4 lks.; position of middle
              point
                  By 1st set, 17.69 chs.
By 2nd set, 17.65 chs.; the mean of which is
            The proper convergency or offset between the Standard
  17.67
              and Closing corners of T. 12 N., Rs. 9 and 10 E.
            Set a limestone, 24x16x6 ins., 18 ins. in the ground,
             for Closing Cor. to T. 12 N., Rs. 9 and 10 E., marked with 6 notches on E., W., and S. faces; also C C on S. face; from which
                 An oak, 16 ins diam., bears S. 12° 15' W.
                    34 lks. dist., marked T 12 N R 9 E S 1
                      C C B T
                 An oak, 6 ins.diam., bears S. 62° 10' E.,
                    34 lks. dist., marked T 12 N R 10 E S 6
                      C C B T
           Land, broken.
Soil, 3rd rate.
            Timber, yellow pine and oak.
           From the Closing Cor. to T. 12 N., Rs. 9 and 10 E.,
              heretofore described, I run
            South on a true line between secs. 1 and 6, Ascend steep N. W. slope, through heavy yellow pine
              and oak timber.
            Top of ascent, bears N. E. and west.
   4.00
  13.50
            Small drain, course N. E.
            Drain, course N. E.
  18.50
           Drain, course N. E. Top of ridge, bears E. and W. Difference between measurements of 40.00 chs. by two
  33.60
  38.50
              sets of chainmen is 4 lks.; position of middle
              point
           By 1st set, 40.02 chs.

By 2nd set, 39.98 chs.; the mean of which is

Set a limestone, 24x8x6 ins., 18 ins. in the ground

for 1/4 sec. cor., marked 1/4 on W. face; from
  40.00
              which
                  A yellow pine, 18 ins diam., bears S. 68° 45'W., 18 lks. dist., marked 1/4 S B T
                   An oak, 6 ins diam., bears N. 50° 45' E.,
                     21 lks. dist., marked 1/4 S B T
  48.50
            Drain, course E.
            Drain, course E., ascend steep N. slope.
  74.50
            Difference between measurements of 80.00 chs. by two
               sets of chainmen is 6 lks.; position of middle
              point
```

1	, ,
Chains.	By 1st set, 80.03 chs.
	By 2nd set, 79.97 chs.; the mean of which is
80.00	Set a limestone, 20x8x6 ins., 15 ins. in the ground
	for the cor. to secs, 1, 6, 7, and 12, marked with
	5 notches on S. and 1 notch on N. faces; from which
	An oak, 14 ins.diam., bears N. 58° 30' E., 13 1ks
	dist., marked T. 12 N., R. 10 E., S. 6, B. T.
	An oak, 12 ins.diam., bears S. 4° 30' E., 49 1ks.
	dist., marked T. 12 N., R. 10 E., S. 7, B. T.
	A yellow pine, 20 ins.diam., bears S. 58° 30' W.,
	52 lks. dist., marked T. 12 N., R. 9 E., S. 12,
,	BT A wellow nine 36 inc diam bears N 69 45! W
	A yellow pine, 36 ins.diam., bears N. 6° 45' W., 53 lks. dist., marked T. 12 N., R. 9 E., S. 1,
	B T
!	Land, rolling.
	Soil, 2nd and 3rd rate.
	Timber, yellow pine, oak, and red fir.
	Limestone formation.
	Note: No observation taken for latitude; cloudy.
	l latitude, cloudy.
. •	
	South on a true line between secs. 7 and 12.
	Ascend gradual N. slope, through heavy yellow pine
10.00	and oak timber. Top of ridge, bears E.and W.
21.75	Drain, course S. W.
26.00	Top of divide (summit), bears E. and W. Descend
20.00	gradual S. slope.
	Difference between measurements of 40.00 chs. by two
	sets of chainmen is 8 lks.; position of middle
	point
	By 1st set, 39.96 chs.
	By 2nd set, 40.04 chs.; the mean of which is
40.00	Set a sandstone, 14x8x6 ins., 9 ins. in the ground,
	for 1/4 sec. cor., marked 1/4 on W. face; from
	which
	A yellow pine, 30 ins diam., bears S. 79° 30' E.,
-	27 lks. dist., marked 1/4 S., B. T.
	An oak, 16 ins.diam., bears S. 45° 30' W.,
41.00	39 lks. dist., marked 1/4 S., B. T.
45.00	Drain, course W., ascend gradual N. slope. Fop of ridge, bears E. and W.
53.75	Small drain, course N. W.
58.00	Top of low ridge, bears E. and W.
61.80	Small drain, course N. W.
65.50	Drain, course W., ascend steep N. slope.
68.00	Top of 50-ft. ascent, bears E. and W., descend
	gradual S. slope.
72.00	Drain, course W., 50-ft. descent, ascend gradual
	N. slope.
80.00	Top of ridge, bears E. and W.
	Difference between measurements of 80.00 chs. by two
	sets of chainmen is 4 lks.; position of middle
	point
	By 1st set, 79.98 chs. By 2nd set, 80.02 chs.; the mean of which is
80.00	Set a sandstone, 24x12x8 ins., 18 ins. in the ground
50.00	for the cor. to secs. 7, 12, 13, and 18, marked
·	with 4 notches on S. and 2 notches on N. faces;
	from which
	A yellow pine, 24 ins.diam., bears N. 61° 10' E.,
	35 lks. dist., marked T 12 N R 10 E S 7 B T
	A yellow pine, 20 ins.diam., bears S. 46° 05' E.,
,	49 lks. dist., marked T 12 N R 10 E S 18 B T
	A yellow pine, 24 ins.diam., bears S. 18° 30' W.,
	52 lks. dist., marked T 12 N R 9 E S 13 B T
	•
	$oldsymbol{I}$

Chains.	103 lks. dist., marked T 12 N R 9 E S 12 B T
•	Land, rolling. Soil, 3rd rate.
	Timber, yellow pine, oak, and red fir. Sandstone formation.
	January 15, 1903.
	January 16: At the cor. to secs. 7, 12, 13, and 18,
	January 16: At the cor. to secs. 7, 12, 13, and 18, W. Bdy. T. 12 N., R. 10 E., at 9 a.m., 1.m.t., I set off 34° 26' N. on the lat. arc; 21° 02' S.
	on the decl. arc; and determine a true meridian with the solar; Thence I run
	South on a true line between secs. 13 and 18, Over gradual S. slope, through heavy yellow pine, red fir, and oak timber.
7.75	Drain, course W., *foot of 75-ft. descent; ascend gradual N. slope.
25.00 38.50	Top of low ridge, bears N. W. and S. E. Shallow drain, course N. W.
*	Difference between measurements of 40.00 chs. by two
	sets of chainmen is 4 lks.; position of middle point
	By 1st set, 39.98 chs. By 2nd set, 40.02 chs.; the mean of which is
40.00	Set a sandstone, 14x10x8 ins., 9 ins. in the ground, for 1/4 sec. cor., marked 1/4 on W. face; from
	which A yellow pine, 30 ins.diam., bears N. 52° E.,
•	27 lks. dist., marked 1/4 S B T
	A yellow pine, 20 ins.diam., bears N. 12° 45' W., 81 lks. dist., marked 1/4 S B T
46.73	Rim rock of mountain, bears S. W. and S. E. Descend steep rocky south slope, through dense growth of live oak brush, scattering pine timber.
56.25 58.00	Head of canyon, course S. 10° E. A chimney rock, 100 ft. sg., 150 ft. high, bears
	E. 100 lks., change ton E. slope.
72.00	Change to gradual S. E. slope. Difference between measurements of 80.00 chs. by two
	sets of chainmen is 6 lks.; position of middle point
	By 1st set, 79.97 chs. By 2nd set, 80.03 chs.; the mean of which is
80,00	Set a sandstone, 24x12x12 ins. in mound of stone
·	4 ft. base, $1-1/2$ ft. high, around stone, for corto secs. 13, 18, 19, and 24, marked with 3 notches
	on N. and S. faces; from which A yellow pine, 30 ins.diam., bears N. 3° 50' E.,
	81 lks. dist., marked T 12 N R 10 E S 18 B T A juniper, 16 ins.diam., bears S. 69° 50' E.,
	72 lks. dist., marked T 12 N R 10 E S 19 B T
	A yellow pine, 6 ins.diam., bears S. 3° 10' W., 37 lks. dist., marked T 12 N R 9 E S 24 B T
	A yellow pine, 12 ins diam., bears N. 35° 55' W., 108 lks.dist., marked T 12 N R 9 E S 13, B T
	Land, rolling and mountainous, Soil, 3rd and 4th rate.
	Timber, yellow pine, red fir, oak, live oak, and manzanita brush.
	Sandstone formation.
•	

	Chains.	21° 01' S. on the decl. arc; and at 12 ^h 09 ^m 37 ^S p.m., l.m.t., observe the sun on the meridian; the
١		resulting late is 34° 25', which is the proper late
		Thence I run South on a true line between secs. 19 and 24,
		Descend over S. E. slope, through pine and oak tim-
١		ber.
1	12.00	Change to S. slope.
	21.50	Creek, 10 1ks. wide (dry), course S. 10° W., foot of
	04 50	1500 ft. descent below rim rock.
	24.50	Same creek, course S. 10° E.
	28.15	Same creek, running water at this point, 5 lks.wide, 2 ins. deep, course S. 10° W.
	39.00	Ascend gradual N. W. slope.
	30 6 3	Difference between measurements of 40.00 chs. by two
l		sets of chainmen is 6 lks.; position of middle
		point
		By 1st set, 40.03 chs.
	/ 40.00	By 2nd set, 39.97 chs.; the mean of which is. Set a sandstone, 30x12x6 ins. in mound of stone,
\downarrow	/ 1 0.00	4 ft. base, 2 ft. high, for 1/4 sec. cor., marked
	1	1/4 on W. face; from which
		An oak, 14 ins.diam., bears N. 30° 05' E.,
		23 1ks. dist., marked 1/4 S. B T
		An oak, 14 ins.diam., bears S. 8° 10' W.,
	47.25	24 lks. dist., marked 1/4 S B T Change to gradual S. W. slope.
l	63.00	Change to gradual S. E. slope.
	78.35	Top of low ridge, bears N. W. and S. E.
		Difference between measurements of 80.00 chs. by two
		sets of chainmen is 8 lks.; position of middle
		point By 1st set, 80.04 chs.
		By 2nd set, 79.96 chs.; the mean of which is
	80.00	Set a sandstone, 24x 6x6 ins. in mound of stone,
١		4 ft. base, $1-1/2$ ft. high, for the cor. to secs.
		19, 24, 25, and 30, marked with 4 notches on N. and 2 notches on S. faces; from which
		An oak, 6 ins diam., bears N. 1° 40' E., 62 lks.
		dist., marked T 12 N R 10 E S 19 B T
١		A juniper, 18 ins.diam., bears S. 9° 50' E.,
ļ		45 lks.dist., marked T 12 N R 10 E S 30 B T
		An oak, 6 ins.diam., bears S. 87° 25' W., 69 lks. dist., marked T 12 N R 9 E S 25 B T
ı	·	An oak, 6 ins.diam., bears N. 42° 10' W., 65 lks.
		dist., marked T 12 N R 9 E S 24 B T
		Land, mountainous.
		Soil, 3rd and 4th rate.
		Timber, yellow pine, oak, walnut, sycamore, ash, box elder, ironwood, wild cherry; dense growth of
		live oak and manzinita brush.
		Sandstone formation.
		January 16, 1903.
	•	
	•	January 17: At the cor. to secs. 19, 24, 25, and
		30, W. bdy. T. 12 N., R. 10 E.; at 9 a.m., 1.m.t.,
		I set off 34° 24' N. on the Lat. arc; 20° 51' S.
		on the decl. arc; and determine a true meridian with the solar.
		Thence I run
		South on a true line between secs. 25 and 30,
		Descend gradual S. E. slope, through scattering
		yellow pine, juniper, and oak timber; dense growth
	11.90	of live oak and manzanita brush. Dry drain, course S. 40° W., ascend steep N. W.
	O	slope.

		Wood Doubledly 10 115 116 10 20	
	Chains. 24.00	Top of ridge, bears N. E. and S. W., 150 ft. above	
	28.00	drain. Descend gradual S. slope.	
	37.00	Small drain, course S. E. Difference between measurements of 40.00 chs. by two sets of chainmen is 10 lks.; position of middle point	
	·	By 1st set, 40.05 chs. By 2nd set, 39.95 chs.; the mean of which is	
	40.00	Set a sandstone, 20x16x6 ins., 15 ins. in the ground for 1/4 sec. cor., marked 1/4 on W. face; from which	*
-		A juniper, 10 ins.diam., bears S. 76° 30' E., 4 lks. dist., marked 1/4 S B T	
-	47.00	A red cedar, 8 ins.diam., bears S. 63° 15' W., 94 lks. dist., marked 1/4 S B T	
-	41.00	At this point I set off 20° 50' S. on the decl. arc; and at 12 ^h 09 ^m 58 ^s p.m., 1.m.t., observe the sun on the meridian; the resulting lat. is 34° 24',	
	41.50 43.10	which is about 16" greater than the proper lat. Small drain, course S. E.	
	43.10 44.25	Drain, course S. E. Low ridge, bears E. and W.	
	5 5 00 57.18	Descend into canyon, bears N. 10° E. and S. 10° W. Bottom of canyon, a dry creek, 20 lks. wide, course	
	59, 25	S. 10° W., ascend steep N. W. slope. South edge of canyon, bears S. 10° W. and N. 10° E., thence along W. slope.	
	69.40	Ravine, 2.00 chs, wide, 50 ft. deep, course W.	
	78,00	Drain, course W. Difference between measurements of 80.00 chs. by two sets of chainmen is 12 lks.; position of middle point	
		By 1st set, 80.06 chs. By 2nd set, 79.94 chs.; the mean of which is •	
	80.00	Set a limestone, 24x14x6 ins., 18 ins. in the ground for cor. to secs. 25, 30, 31, and 36, marked with	
		5 notches on N. and 1 notch on S. faces; from which A juniper, 20 ins.diam., bears N. 89° 00' E.,	1
	·	40 lks.dist., marked T 12 N R 10 E S 30 B T An oak. 10 ins. diam bears S. 47° 20' E	
		32 1ks.dist., marked T 12 N R 10 E S 31 B T An oak, 8 ins.diam., bears S. 69° 30' W.,	
		90 lks.dist., marked T 12 N R 9 E S 36 B T A yellow pine, 30 ins.diam., bears N. 46° 15' W.,	
		98 lks.dist., marked T 12 N R 9 E S 25 B T Land, rough and broken.	
		Soil, 4th rate. Timber, pine, oak, juniper, live oak brush.	
		Sandstone formation.	
		South on a true line between secs. 31 and 36, Ascend gradual N. slope, through pine, juniper, and	
		oak timber.	
	4.75	Top of ascent, bears E. and W., descend. Drain, course W., ascend gradual N. slope.	
	21.00	Top of ascent, bears E. and W., 100 ft. above drain, thence over W. slope. Small drain, course W.	
	30.00	Top of low ridge, bears E. and W. Myrtle and Pine mail trail, bears S. 70° W. and	
		N. 70° E. Difference between measurements of 40.00 chs. by two sets of chainmen is 6 lks.; position of middle point	

Chains.	By 1st set, 40.03 chs.
011012112	By 2nd set, 39.97 chs.; the mean of which is
40.00	Set a flint stone, 20x12x6 ins., 15 ins. in the
	ground for 1 sec. cor., marked 1 on W. face; from
	which
	An oak, 8 ins.diam., bears S. 34° 50' E.,
-	45 lks.dist marked \pm S B T
	An oak. 8 ins.diam., bears N. 25° 30′ W.,
	81 lks.dist. marked # S B T
40.25	Wagon road, bears S. 70° W. and N. 70° E.
50.75	Drain, course S. W.
58.25	A dry branch, 10 lks. wide, course W.
68.00	Ravine, 4.00 chs. wide, 100 ft. deep, course W.,
	ascend gradual N. slope.
77.00	Top of low ridge, bears E. and W., descend gradual
	S. W. slope.
	Difference between measurements of 80.00 chs. by two
	sets of chainmen is 10 lks.; position of middle
	point
,	By 1st set, 80.05 chs.
	By 2nd set, 79.95 chs.; the mean of which is
80.•00	Set boundary post No. 43, for the cor. to Tps. 11
	and 12 N., Rs. 9 (and 10 E. post of cap, and mound) heretofore described, Cap marked for Res. bdys.)
	heretofore described, cap marked
	No. 43 on S. side of cap. 1903 on S. side of rim.
	RESERVE in N. E. and N. W. quadrants.
	T 12 N S 31 in N. E. quadrant on rim
	R 10 E S 6 in S. E. " " " " T 11 N S 1 in S. W. " " " "
	R 9 E S 36 in N. W. " " "
	with 6 notches on N., S., E., and W. edges of rim;
	from which
	An oak 9 ins.diam. hears N. 34° 10' E 24 lks.
	l dist marked T 12 N R 10 E S 31 B T
,	An oak 10 ins.diam., bears S. 23° E., 22 IKS.
	I dist. marked I'll N R 10 E S b B I'll I
	An oak 14 ins.diam., bears S. 12° 00' W., 34 lks.dist., marked T 11 N R 9 E S 1 B T
	dist., marked T 11 N R 9 E S 1 B T
	A vellow pine 24 ins.diam. bears N.15 30 W., 65
	lks.dist., marked T 12 N R 9 E S 36 B T
	Land, rolling; surface stony.
	Soil, 4thrate.
	Timber, yellow pine, oak, juniper; live oak brush.
	Sandstone formation.
	January 17, 1903.
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W. H. Thorn,

U. S. Surveyor.

BOOK 10

Final Oaths of Deputy Surveyor and his Assistants.

LIST OF NAMES.

marking the lines and corners described in the foregoing field notes of the survey of	f the W. Bdy.
T. 12 N., R. 10 E.	
showing the respective capacities in which they acted:	
J. T. Price, W. L. Foster,	, Chainman
John W. Farmer, W. F. Bolinger,	
D. J. Woodward,	, Moundma
	, Moundma
F. W. Powell,	, Axman.
J. I. McKelvey,	
W. D. Roach,	
FINAL OATH OF ASSISTANTS.	
We hereby certify that we assisted W. H. Thorn,	
, United States Deputy Su	rveyor, in surveying a
those parts or portions of the W. Bdy. T. 12 N., R. 10 E.	
Gila and Salt River	
Gila and Salt River	
Gila and Salt River and	., which are represent
Gila and Salt River and meridian, State of Arizona in the foregoing field notes as having been surveyed by him and under his direction	ba, which are representent
Gila and Salt River and meridian, State of Arizona in the foregoing field notes as having been surveyed by him and under his direction has been in all respects, to the best of our knowledge and belief, well and faith	ba , which are represent on; and that said surve fully surveyed, and the
and meridian, State of Arizona in the foregoing field notes as having been surveyed by him and under his direction has been in all respects, to the best of our knowledge and belief, well and faith corner monuments established, according to the instructions furnished by the least of the least	ba , which are representent on; and that said surve fully surveyed, and the
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Gila and Salt River and	ba , which are represented in; and that said survey and the said survey and the
Gila and Salt River and	ba ., which are represented in; and that said survey fully surveyed, and the survey of the survey o
Gila and Salt River and	band of the present o
Gila and Salt River and	ba ., which are represent on; and that said surve fully surveyed, and the United States Survey , Chainman, Chainman, Moundma, Axman, Axman, Flagman.

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Final Oath of United States Deputy Surveyor.

I, W. H. Thorn;	, United States Deputy Surveyor, do
	t received from the Director,,
United States Surveyor General for U. S. (Geological Survey, bearing date of the
6th day of August, 1902.	, I have well, faithfully, and truly, in my own
	the instructions furnished by the United States Surveyor
	, the Manual of Surveying Instructions, and the laws of the
United States, surveyed all those parts or porti	ons of the W. Bdy. T. 12 N., R. 10 E.,
	of the Gila & S. R. base
	te of Arizona, which are represented in the
	by me, and under my direction; and I do further solemnly
· · · · · · · · · · · · · · · · · · ·	een established and perpetuated in strict accordance with the
	pecial written instructions of the United States Surveyor
	in the specific manner described in the field notes, and that
	ich survey; and should any fraud be detected, I will suffer
the penalty of perjury under the provisions of	an Act of Congress approved August 8, 1846.
	W. H. Thorn,
	W. H. Thorn, United States Deputy Surveyor.
W. H. Thorn	
Subscribed by said W. H. Thorn,	\ _
20th day of May, 1903,	, 1831
,	
Ç00000	Frank Dysert,
© SEAL G	Clerk of the District Court, Graham, County, Arizona.
<u> </u>	
ΔΕ	PROVAL.
	GEOLOGICAL SURVEY.
Office of the Ani	tea States Siddleynk/AGMERK
	Washington, D. C., Dec. 17,1903.
The foregoing field notes of the survey of	f the W. Bdy. T. 12 N., R. 10 E.
	•
executed by W. H. Thorn.	
inatmustiona	
·	ugust 6, 1902. , the having been
	tions and explanations made, the said field notes, and the
surveys they describe, are hereby approved.	Matt Wales
	Director, United States Surveyor General.
I certify that the foregoing transmint of	the field notes of the above-described surveys in the
·	rectly copied from the original notes on file in this office.
, nas boon co.	recury copied right and original notes on the harms office.

Director, United States Surveyor General.