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HOMESTEAD ENTRY SURVEY NO.176.
Arizona Land District.

FIELD NOTES

OF THE SURVEY OF THE

HOMESTEAD ENTRY CLAIM

of

Edwin B. Sorrells

Described as

Phoenix, Arizona, H. E. No. 06182, List No. 1506.
Dated June 4, 1909.
Situated in Secs. 32 & 33, T. 21 S., R. 18 E., (unapproved survey).

G. & S. R. B. & M.

Coronado National Forest,

Santa Cruz County, Arizona.

Of the ..... *Meridian,*

In the State of .....

EXECUTED BY

John A. Rockfellow

In the capacity of U. S. Mineral *Surveyor*, *under instructions dated* March 26, *191*4, *issued by the United States Surveyor General to govern surveys included in Group No.* ....., *which were approved by the Commissioner of the General Land Office,* April 17, *191*4, *pursuant to authority contained in the Act of Congress dated* June 11, 1906, *191*

Survey commenced April 26, *191*4.

Survey completed May 1, *191*4.

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Address of claimant:
Canille, Arizona.

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INDEX DIAGRAM.

Township ....., *Range* .....

6	5	4	3	2	1
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18	17	16	15	14	13
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30	29	28	27	26	25
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MAY 18 1914

AUG 4 1914

AUG 27 1914

HOMESTEAD ENTRY SURVEY NO. 176

Arizona Land District.

FIELD NOTES

of

The Survey of the Homestead Entry Claim

of

Edwin B. Sorrell

Described as

H. E. No. 06182 List No. 1506

Made in the Phoenix Land Office on June 4, 1909.

Situate in Sections No. 32 and 33 Tp 21 S R 18 E (unsupposed Survey) in the Coronado National Forest.

Santa Cruz County, Arizona

Surveyed under instructions dated March 26, 1914

By John A Rockbleson
U.S. Mineral Surveyor.

Survey commenced April 26 1914

Survey completed May 1 1914

Address: Camille Ariz.

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HOMESTEAD ENTRY SURVEY NO. 176.

ARIZONA.

List No. 1506 Homestead Entry No. 06182, Phoenix Land Office, made June 4, 1909, by Edwin B. Sorrells. Special instructions for survey issued March 26, 1914. Location, secs. 32-33, Tp. 21 S., R. 18 E. of G. & S. R. M. Surveyed but unapproved. Coronado National Forest.

Survey executed with a Young & Sons mountain transit, provided with Smith solar attachment.

The verniers of the horizontal circle read to single minutes of arc, which is the smallest count of the vernier of the vertical arc.

The measurements were made with a steel tape 500 feet in length, the slope angles being noted and the distances reduced to horizontal measure.

On Monday April 27 at 3 P. M. l.m.t. I proceeded to establish a meridian of reference by means of solar apparatus.

I select a level stretch of ground immediately south of the tract to be surveyed and set up my transit over a point.

Chs. With latitude arc at 31° 33' N and declination arc at 13° 48' N I observe for meridian. On this meridian south at about 8 chains I set a small stake and also take bearings of distant peaks. Variation of needle (corrected) 13° 47' E.

Tuesday, April 28.

At 9 A.M. l.m.t. I again set up my transit on this meridian of reference. With latitude arc at 31° 33' N and declination arc 14° 02¼' N. I observe for meridian. I find that my line agrees with that of yesterday at 3 P.M. within one minute of arc.

From listing Corner No. 1, a stone marked and witnessed as described by Forest Service, I run S. 26° 40' E

21.29 Witness Cor. to N.W. cor. sec. 4, Tp. 22 S., R 18 E., a sand-stone firmly set at W edge of road, exposing 8 X 7 x 6 ins., marked and witnessed as described by the Forest Service, and Surveyor-General.

Thence run N. 89° 45' W.

1.00 To cor. of secs. 32-33, Tp. 21 S., R. 18 E. on S. boundary of township, a standard iron corner marked as above.

Thence run North setting temporary stakes at convenient intervals.

At 12 M., apparent time, set off 31° 33' N on latitude arc 14° 04½' N. on declination arc, and the hour angle at 12, and observe the sun. The solar checks.

41.35 ¼ cor. bet. secs. 32-33. A standard iron cor. thus marked. (Night)

Wed. April 29,

From the ¼ corner between secs., 32-33 continue North. At 9 A.M. l.m.t., with the lat. arc at 31° 33½' N, and dec. arc at 14° 21' N I observe the sun and find that my line checks within one minute of arc.

81.33 Cor. of secs. 28-29-32-33, a standard iron Cor. thus marked.

I determine the intersection of listing line 6-7 with the line between sections 32-33 just run, and establish

point for cor. No. 1 in accordance with instructions.

Set a porphyry rock 24 X 13 X 4 ins, 14 ins, in the ground, chiseled a cross (X) at exact point and 1-HES 176 on the S.E. face and later, closing upon this line and point, add C.C. on the S.W. face and dig pits, one on the closing line S 58° 59' W, 11 lks., 24 X 18 ins. about 6 ins deep to bed rock, one on the section line 11 lks North, 30 X 24 ins. about 6 ins deep to bed rock; raise a mound of stone and earth 4 ft. base, 2 ft high S.W. of corner.

Whence: 1-HES 176 X BT scribed on a blaze on a black oak 15 ins. diameter bears S 36° 39' W 1.27 Chs.

1-HES 176 X BT scribed on a blaze on a white oak of two stems 15 ins diameter bears N 49° 54' W 0.34 chs.

The ¼ cor. between secs. 32-33 bears south 8.67 chs.

The cor. of secs. 28-29-32-33 bears North 31.31 chs.

Latitude at Cor. No. 1 - 31° 33½' N. Longitude - 110° 3' W.

Thence N 58° 59' E Va. 13° 40' E across narrow valley and along the southeasterly slope of rolling hills,

22.00 Deseend into ravine about 40 ft.

24.35 O'Donnell Creek, 6 lks. wide course northerly-Ascend.

28.35 ~~steep slope, rise of about 50 feet~~ To Cor No. 2, identical with listing corner No. 6, A rock marked and witnessed as described by the Forest Service. As it is not firmly set, in its place set a quartzite rock 25 X 15 X 6 ins. Seven (7) ins in the ground (flat way) to bed rock, chiseled a cross (X) at exact point and 2-HES 176; raise a mound of stone alongside 4 ft. base 2 ft. high; rise of about 50 ft.

Whence: 1-HES 176 X BT scribed on a blaze on a white oak 12 ins. diam. bears S 88° 52' W .70½ chs.

1-HES 176 X BT scribed on a blaze on a white oak 7 ins. diam. bears S 7° 41' E .50 chs.

Thursday April 30.

From Cor. No. 2 run S 35° 40' E. Va. 13 45' E along face of rolling hills sloping toward O'Donnell Creek

8.06 To cor. No. 3, identical with listing corner No. 5, a rock marked and witnessed as described by the F.S., not firmly set, in its place set a porphyry rock 26 X 8 X 8 ins., 16 ins. in the ground, chiseled a cross (X) at exact point and 3-HES 176. Raise a mound of stone 4 ft. base, 2 ft. high alongside.

Whence: 3-HES 176 X BT scribed on a blaze on a white oak 16 ins. diam. bears N 26° 00' E 1.51 chs.

3-HES 176 X BT scribed on a black (double stem) oak 14 ins. diam. bears N 65° 39' E 1.47 chs.

AT 9:30 A.M. l.m.t. with lat. arc at 31° 33½' N and dec. arc at 14° 40' N observe the sun for meridian. It checks line within 2' of arc.

Thence S. 64° 07' W Va. 13° 45' E along creek bottom at foot of hills.

3.27 Barbed wire fence bears S easterly and N westerly

10.11 To cor. No. 4, identical with listing cor. No. 4, a rock, marked and witnessed as described by the F.S., as not firmly set, in its place set a quartzite rock 24 X 10 X 4 ins., 14 ins. in the ground, chiseled a cross (X) at exact point and 4-HES 176, raise a mound of stone 4 ft. base, 2 ft. high alongside.

Whence: 4-HES 176 X BT scribed on a blaze on a black oak, 15 ins. diam, bears S 6° 06' W. .16 chs.

4-HES 176 X BT scribed on a blaze on a white oak, 12 ins. diam. bears S 66° 35' W .20 chs.

Thence S 38° 12' W Va. 13° 45' E along bottom land.

3.00 Begin ascent, and thence across low ridges and draws

Chs. extending toward O'Donnell Creek
26.21 To cor. No. 5, identical with listing cor. No. 3, which consists of H/3 chiseled on the S. Westerly face of bed rock, exposing 40 X 30 inches, witnessed as described by the Forest Service. (Approximate rise 40 ft.)
Chisel a cross (X) for exact point, and 5-HES 176; raise a mound of stone 3 ft. base, 2½ ft. high alongside.

Whence 5-HES 176 X BT scribed on a blaze on a black oak 12 ins. diameter bears N 22° 32' E .44 chains.

5 HES 176 X BT scribed on a blaze on a white oak 13 ins. diameter bears N 19° 42' W .30 chs.

Thence S 32° 41' E Var. 13° 45' E, ~~approximate rise of 40 feet~~, along N. Westerly slope of hill, descending moderately
7.45 To cor. No. 6, identical with listing cor. No. 2, a rock marked and witnessed, as described by the F.S.: rock not firmly set, in its place set a porphyry rock 24 X 18 X 12 ins., 14 ins. in the ground, chiseled a cross (X) at the exact point, and 6-HES 176; raise a mound of stone 4 ft. base, 2 ft. high alongside. (Approximate descent 20 ft.)

Whence: 6-HES X BR chiseled on porphyry bed rock bears S 83° 14' E, .19 chs.

6-HES X BR chiseled on porphyry bed rock bears N 4° 36' W .09 chs.

Thence ~~approximate descent 20 ft.~~. S 64° 29' W. Va. 13° 48' E. Descend toward creek along a barbed wire fence.
.95 Barbed wire fence bears N Westerly and Southeasterly.
3.68 Center O'Donnell Creek 8 lks. wide, course Northerly; descent about 20 ft, ascend gentle slope, an approximate rise of 30 ft.
8.57 To cor. No. 7 at intersection of line between secs. 32-33. Set a limestone 24 X 12 X 9 ins, 14 ins. in the ground. Chisel a cross (X) at exact point, and 7 HES 176 on north face, and C.C. on east face.
Dig pits, one on closing line at N 64° 29' E 11 lks, 18 X 18 X 12 ins, one on section line south 11 lks, 30 X 24 X 12 ins, raise a mound of stone and earth N easterly from cor., 4 ft. base, 2 ft. high.

Whence: The ¼ corner between secs. 32-33 bears north 18.25 chs.

The corner of secs. 32-33 on S boundary of Tp. 21 S, R 18 E, bears south 23.10 chs. No tree or rock bearings available.

Thence S 64° 29' W Va. 13° 48' E., comparatively level
6.35 Cor. of the fence that has continued along south boundary
8.39 Center wagon road.
9.48 To Cor. No. 8, identical with listing corner No. 1, a rock marked and witnessed as described by the Forest Service, as rock not firmly set, in its place set a limestone 24 X 18 X 9 ins, 14 ins. in the ground, Chisel a cross (X) at exact point, and 8-HES 176; raise a mound of stone 4 ft. base, 2 ft. high alongside.

Whence: 8-HES 176 X BT. scribed on a blaze on a black oak 17 ins. diameter bears S 30° 32' E, 1.27 chs.

8-HES 176 X BT scribed on a blaze on a black oak 10 ins. diameter bears S 14° 31' W .93 chs.

The witness corner to the N.W. corner of Sec. 4, Tp. 22 S, R. 18 E, bears S 26° 40' E, 21.29 chs.

The Theoretical true corner of same bears S 27° 09' E, 21.38 chs.

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Chs. Thence N 6° 24' W Va. 13° 47' E across narrow valley, slight descent

2.20 Center of road bears N.W. & S.E.; stage road Elgin to Canille

5.70 Center road to Sorrells' ranch bears S.W. & N.E.

7.50 Ascend and run along broken ground sloping eastward,

24.37 To cor. No. 9, edentical with listing cor. No. 7, a rock marked and witnessed as described by the F.S.(approximate rise 40 ft.), as rock is not firmly set, in its place set a quartzite rock 24 X 10 X 5 ins, 14 ins. in the ground. Chisel a cross (X) at exact point and 9-HES 176; raise a mound of stone 4 ft. base 2 ft high alongside.

Whence: 9-HES X BT scribed on a blaze on a white oak 16 ins. diameter bears S 60° 09' E, .34 chs.

9-HES X BT scribed on a blaze on a black oak 10 ins. diam. bears N 6° 04' E, .67 chs.

Old Baldy Peak, Santa Rita Mts., bears N 64° 05' W about 30 miles.

Thence N 58° 59' E Va. 13° 42' E descend steep slope of bluff and across valley, descent about 50 ft. to road thence slight rise

6.17 Center of Road Elgin to Canille brs. North & South

9.00 Barbed wire fence brs. N.W. & S.E.

10.50 Point on low ridge which brs. N.W. & S.E., rise about 20 ft.

Thence descend slight slope and across second valley.

13.17 To cor. No. 1 the place of beginning, approximate descent 20 ft.

Area.

Portion of tract in Sec. 32	26.10	acres
" " " " " 33	39.84	"
Total	65.94	"

Improvements.

From the ¼ corner between secs. 32-33, the N.E. cor. of dwelling house bears S 57° 00' W, 6.01 chains. House of adobe, story and a half high, 46 X 29 ft., estimated value, $1500.00.

The S.E. cor. of an adobe shed and stable bears S. 63° 35' W, 4.98 chs.; building 18 X 61 Ft., estimated value $150.00.

The S.E. cor. of a timber house brs. S 62° 02' W, 6.12 chs., house 10 X 10 ft., estimated value, $75.00.

The S.E. cor. of an adobe poultry house bears S. 71° 10' W, 5.86 chs., building about 12 X 30 ft., estimated value about $50.00.

From cor. No. 5 an earth reservoir bears S 67 15' W, 6.70 chs., estimated value $50.00.

Along the west side of O'Donnell Creek a strip of land very irregualr in width approximately 10 acres in area, is cultivated and irrigated. About one fourth of this cultivated tract is orchard, the trees well grown and in thrifty condition.

Estimated value of orchard	$1000.00
Estimated value of cultivated land	300.00

DESCRIPTION.

O'Donnell Creek is said to be a living stream. The land along the bottom especially on the west side is arable. The slopes of the hills toward the creek are stony, but grassy and suited to grazing. I saw no signs of mineral (in the sense of ores). At the extreme

north end there is a little barren white quartz. I could not learn of any mines in the vicinity. The only timber consisted of a few scattering oaks on the hill slopes and a growth of willow along the creek banks.

Adjoining and south of this tract is the homestead of Mrs. Ellen S. McCarty, Entry No.05378, ~~and~~ List No. 2003. The fence along ~~side~~ line 6-7 and 7-8 is the accepted boundary between the Sorrells and McCarty homesteads.

Northerly about 8 miles is the town of Elgin, on the N. M. & A. RR.

Easterly about 10 miles by road is Fort Huachuca.

This claim is located in Secs. 32 & 33, T. 21 S., R. 18 E., (unapproved survey.) Location.

Tombstone, Ariz.,
May 13, 1914.

John A. Rockfellow

U.S. Mineral Surveyor.

FINAL OATHS FOR SURVEYS.

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LIST OF NAMES.

A list of the names of the individuals employed by Thomas Rockfellow United States Mineral Surveyor, to assist in running, measuring and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the Homestead Entry claim of Edwin B Sorrells described as H. E. No. 06182, List No. 1506.

_____

_____

_____

and showing the respective capacities in which they acted.

W. F. Stott Chainman.
J. E. Mackay Chainman.
_____ Axman.

****

We, W. F. Stott and J. C. MacKay, do solemnly swear that we assisted John A Rockfellow United States Mineral Surveyor, in marking the corners and surveying the boundaries of the Homestead Entry claim of Edwin B Sowrells described as Homestead Entry Survey No 176

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his direction; and that said survey has been in all respects, to the best of our knowledge and belief, faithfully and correctly executed, and the corner and boundary monuments established according to law and the instructions furnished by the United States Surveyor General for Arizona.

W. F. Stott
Chainman.

J. C. MacKay
Chainman.

Axman.

Flagman.

Subscribed and sworn to by the above named persons before me this 1st day of May, 1914

(Seal)

John A Rockfellow
U.S. Mineral Surveyor

There being no one in the vicinity qualified to administer an oath, to avoid delay inconvenience and expense, I administer the above oath.

John A Rockfellow

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FINAL OATH OF U.S. MINERAL SURVEYOR.

I, John A Rockfellow, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor-General of Arizona, dated Mar. 26. 1914, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Surveyor-General, faithfully and correctly executed the survey of the Homestead Entry Claim of Edwin B Sowers, described as H. E. No. 06182 ~~176~~, List No. 1506, situate in the Coronado National Forest, Santa Cruz County, Arizona, and designated as Homestead Entry Survey No. 176, as represented in the foregoing field notes, which accurately show the boundaries of said Homestead Entry claim as distinctly marked by monuments on the ground, and described in List No. 1506, as incorporated in the instructions for the survey received from the Surveyor-General, and that all the corners of said survey have been established and perpetuated in strict accordance with the law, official regulations, and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein.

John A Rockfellow
U. S. Mineral Surveyor.

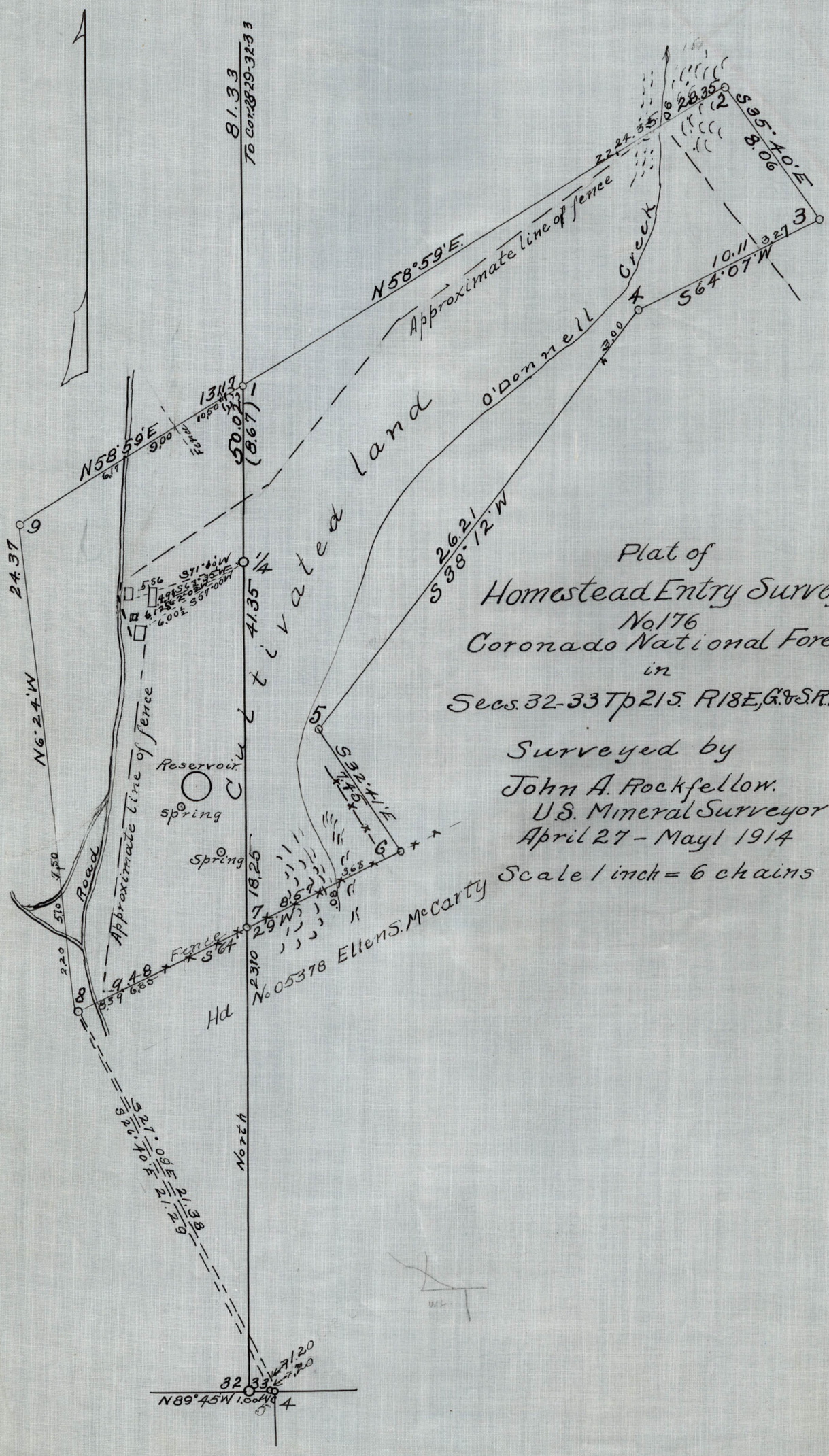
Subscribed and sworn to by the said John A Rockfellow U. S. Mineral Surveyor, before me, Frances J. Abell, this 13th day of May, 1914.

My commission expires Feb. 19, 1916.

(SEAL)

Frances J. Abell
Notary Public.
Cochise County, Arizona

No. 105


Plat of
Homestead Entry Survey
No. 176
Coronado National Forest
in
Secs. 32-33 Tp 21 S. R 18 E, G&S.R.M.
Surveyed by
John A. Rockfellow.
U.S. Mineral Surveyor
April 27 - May 1 1914
Scale 1 inch = 6 chains
Cultivated land
O'Donnell Creek
Approximate line of fence
Approximate line of fence
Reservoir
Spring
Spring
Road
Fence
Hd
No. 05378 Ellen S. McCarty
North
To Cor. 28-29-32-33
N58°59'E.
N58°59'E
N6°24'W
S38°12'W
S35°40'E
S64°07'W
S32°41'E
S64°29'W
N89°45'W
81.33
50.02
(8.67)
41.35
18.25
24.37
26.21
3.06
10.11
13.17
9.48
21.38
21.29
1/4
1
2
3
4
5
6
7
8
9
32
33

DIRECTIONS.—1. Carry out the areas in acres to three decimals, and all other calculations to two decimals only.
2. In balancing Lat. and Dep. do not obliterate or change the original figures:
Put the corrected figure or figures above in red ink. Do not change the footing of the original figures, but put below them the corrected footing in red ink.
The corrections for balancing fallings should be proportional to the lengths of the lines.
3. In calculations of fallings take result to nearest hundredth. In calculations of N. and S. areas drop all after second decimal. Surveyors are advised to use the Standard Field Tables issued by G. L. O.

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TABLING AND CALCULATIONS OF H. E. S No 176

No.	COURSE	DISTANCE. Chs.	LATITUDES. North.	LATITUDES. South.	DEPARTURES. East.	DEPARTURES. West.	DOUBLE M. D.	N. AREAS.	S. AREAS.
9-1	N58°59'E	13.17	6.78½		11.28½		11.28	76.53	
Sec line	South	26.92		26.92			22.56		607.31
7-8	S64°29'W	9.48		4.08½		8.56	14.00		57.19
8-9	N6°24'W	24.37	24.22			2.72	2.72	65.88	
			31.00½	31.00½	11.28½	11.28		142.41	664.50
									142.41
									2) 522.09
									10) 261.04
									26.10 Acres
1-2	N58°59'E	28.35	14.61		24.30		24.30	355.02	
2-3	S35°40'E	8.06		6.55	4.70		53.30		349.12
3-4	S64°07'W	10.11		4.41		9.09	48.91		215.69
4-5	S38°12'W	26.21		20.~~60~~ 61		16.~~21~~ 20	23.62		486.81
5-6	S32°41'E	7.45		6.27	4.02		11.44		71.73
6-7	S64°29'W	8.57		3.69		7.73	7.73		28.52
Sec line	North	26.92	26.92		0.00	0.00	0.00		
			41.53	41.~~52~~ 53	33.02	33.~~08~~ 02		355.02	1151.87
									355.02
									2) 796.85
									10) 398.42
									39.84 Acres
	Total Area	26.10							
		39.84							
		65.94 Acres							

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A P P R O V A L

Office of the United States Surveyor General.

Phoenix, Arizona,

November 5, 1914.

The foregoing field notes of Homestead Entry Survey No. 176, Edwin B. Sorrells, executed by John A. Rockfellow, U. S. Mineral Surveyor, under his special instructions dated March 26, 1914, having been critically examined, and the necessary corrections and explanations made, the said field notes, and the surveys they describe, are hereby approved.

Frank S. Ingalls
U. S. Surveyor-General.

I certify that the foregoing transcript of the field notes of the above-described survey in Arizona, has been correctly copied from the original notes on file in this office.

Frank S. Ingalls,
U. S. Surveyor-General.