

HOMESTEAD ENTRY SURVEY NO. 78.

Arizona Land District.
FIELD NOTES

OF THE SURVEY OF THE

Wm. B. Mac Beath

Described as

05844 971
Phoenix, Arizona, H. E. Nos. 019996, List Nos. 3-395 situated in

Approx. Secs. 16, 17 and 21.

T. 19 S., R. 15 E., Unsur.

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

Coronado National Forest,

Pima County, Arizona.

Of the _____ Meridian,

In the State of _____

EXECUTED BY

Paul E. Fernald, U. S. Mineral Surveyor.

In the capacity of U. S. Surveyor _____, under instructions dated Feb. 3, _____, 1913, 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, July 19, _____, 1913, pursuant to authority contained in the Act of Congress dated _____, 191_____

Survey commenced _____ May 1, _____, 1913.

Survey completed _____ May 2, _____, 1913.

Address: Wm. B. MacBeath, Helvetia, Arizona.

INDEX DIAGRAM.

Township _____, Range _____

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

A.L.H.

June 4th. 1913.

SER.5-1913

HOMESTEAD ENTRY SURVEY NO.78.
Arizona Land District.

FIELD NOTES

of

The Survey of the Homestead Entry Claim

of

Wm.B.MacBeath

DESCRIBED AS

Phoenix, H.E.No. 05844, - - - - - List No. 97I.
Arizona: H.E.No. 019996, - - - - - " " 3-395

situated in

Aprox Sections 16, 17, 21, T 19 S, R 15 E, G.& S.R.M.(Unsvd).
Coronado National Forest, Pima County, Arizona.

Surveyed under instructions dated February 3rd. 1913.

BY Paul E. Fernald.
U.S.Mineral Surveyor.

Survey commenced May 1st. 1913.

Survey completed May 2nd. 1913.

Address:- Wm.B.MacBeath, Helvetia, Arizona.

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Office of the Surveyor General

A. J. B.

June 4th. 1913.

HOMESTEAD ENTRY SURVEY NO. 78.

Arizona Land District.

FIELD NOTES

of

The Survey of the Homestead Entry Claim

of

W. S. MacDonell

DESCRIPTION

Phoenix, A. S. No. 01990	- - - - -	Lot No. 871
Phoenix, A. S. No. 0504	- - - - -	" " 872

situated in

Approx. Sections 10, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

Surveyed under instructions dated February 2nd. 1913.

By Paul E. Fennell
U.S. Mineral Surveyor.

Survey commenced May 1st. 1913.

Survey completed May 2nd. 1913.

Address:- W. S. MacDonell, Phoenix, Arizona.

HOMESTEAD ENTRY SURVEY NO.78. In Coronado National Forest..

PREAMBLE:- These Field Notes cover the Official Survey of the Homestead Entry Claim of Wm.B.MacBeath, described as the Phoenix, Arizona, H.E.No. 05844, List No.97I, Entered at ~~Local~~ Land Office on June 18th. 1909; and H.E.No.0I9996, List No. 3-395, entered at ~~Local Land Office~~ Nov.19th. 1912. This Claim is located in the Coronado National Forest, approx. in Sections 16,17,& 21, T 10 S, R 15 E, G.& S.R.M. Unsurveyed, in Pima County, Arizona.

Survey authorized by Gen.Land Office Letter "E" JSW 287320, Jan.6th. 1913. Surveyed under instructions dated Feb.3rd. 1913.

Chains.FIELD NOTES:-

Beginning at Cor.No.I, on N.side crest of hill.

An iron pipe 1 1/2 in.in diam.,5 ft.long, painted white, set 1 1/2 ft.in ground with mound of stones. - 2 in.sq.brass cap on pipe stamped "U.S.Hmsd.Enty.Survey No.78. Cor.No.I."

Whence:- U.S.L.M.No.78, H.E.S. bears N 31° 7'W, 37.80 chains.

* Listing-Cor.Mnt.- small mound of stones, one marked "H", bears N 74° 37'E, 0.06 chains. Monument destroyed.

* Bearing tree, live oak 1.ft.in diam. bears S 3° 54'W, 0.64 chains. Tree marked B.T.x I-78.

* Bearing tree, live oak 11 In.in diam, marked B.T. x I-78, bears S 22° 14'E, 0.77 chains.

* Bearing tree, live oak 9 in.in diam.marked B.T. x I-78, bears S 63° 28'E, 0.78 chains.

* Bearing tree, live oak 12 in.in diam., marked B.T. x I-78, bears N. 20° 11'W, 1.14 chains.

Thence .S. 39° 24'W

Descend

9.27 Foot of hill, approx. 125.ft.lower than crest.

16.47 Intersects center of gulch running N.W., 1.12 chains wide.

20.00 To Cor.No.2, identical with point of listing corner - N.

face of granite rock in place marked F.S.M. H.I. Set

a 1 1/4 in.iron pipe, painted white, in drill hole, with

mound of stones at base. Brass cap on pipe stamped U.S.

Hmsd.Enty.Survey No.78, Cor.No.2.

Whence:- Bearing tree - live oak 16 in.in diam., marked
 B.T. x 2-78, bears S 12°48'E, 0.80 chains.
 No other bearing objects available, so built mound of stones
 at base of monument, 2 ft.high and 2½ ft.diam.at base.
 Thence N. 50°36'W
 Gradual steady descent.

40.00 Point on line. Set 8x4 in.white oak post, 5 ft.long, 1½
 ft.in ground, marked X 78.
 Whence Listing Corner - stone marked H, bears S 5°46'W,
 1.29 chains. Destroyed.

80.00 To Cor.No.3,
 An iron pipe 1½ in.in diam., 5 ft.long, painted white, set
 3½ ft.in ground. Brass cap on pipe stamped U.S.Hmsd.
 Enty.Survey No.78. Cor.No.3.

Whence:- Listing Cor.Mnt., a stone marked "5H", with witness
 mnt. of stones 2 ft.West - one marked W.H., bears N 87°45'W,
 0.16½ chains. Destroyed.

* Live oak 10.in.in diam., marked B.T. x 3-78, bears S. 21°25'W,
 1.58 chains.

* Live oak 12.in.in diam., marked B.T. x 3-78, bears S 27°26'W,
 2.44 chains.

* Live oak 11 in.in diam., marked B.T. x 3-78, bears S 34°10'W,
 2.36 chains.

* Live oak 7 in.in diam., marked B.T. x 3-78, bears S 47°2'W,
 2.33 chains.

Thence N 39°24'E
 Level

5.67 Crosses road running N.W.

20.00 To Cor.No.4,
 A 1½ in.iron pipe, 5 ft.long, painted white, set 1½ ft.
 in ground.with mound of stones. Brass cap on pipe.
 stamped U.S.Hmsd.Enty.Survey No.78, Cor.No.4.

Whence:- Listing Cor.Mnt. bears N 50°36'W, 0.10 chains,-
 a stone marked "H6", with old post 3 in.in diam., 2'2"
 above ground, and stone marked WH alongside. Destroyed.
 No bearing objects available, so established mound of stones

H.E.S.No.78.

1 1/2 ft.high x 2 ft.base, alongside.

Thence S.50°36'E

Gradual Steady Ascent.

40.00 To point on line. Set 4" Willow Post, 4 ft.long, scribed X 78, whence listing cor.mmt. bears N.41°0'W, 0.32 chains - an oak post, marked "H". Destroyed.

45.00 Crosses middle of gulch running N.W., 1.38 chains wide.

71.67 Foot of hill.

Sharp Ascent.

78.49 Crest of hill, approx. 125.ft.above foot.

Level.

80.00 To Cor.No.I, the place of beginning.

* * * * *

Variation at all corners - 14° 25'E.

* * * * *

AREA. 160.00 Acres. No conflicts of any kind, and no mineral or other claims in the vicinity.

LOCATION. This claim is located approx. in Sections 16, 17 & 21, T 19 S, R 15 E, G. & S.R.^{be}M. Unsurveyed, in the Coronado National Forest, Pima County, Arizona.

IMPROVEMENTS:- House, the N.E.Cor.of which bears S. 53° 40'W, 3.23 1/2 chains from point 12.79 - line 1-2. House is frame with iron roof, sealed inside, water piped to kitchen from spring in rear. House 22x32 with 13x12 addition.

Stable, the S.E.Cor.of which bears N. 88° 15'W, 5.21 chains from point 12.79, line 1-2, is 12x23, frame with shingle roof, with corrals to west 50x80, 150x200, 40x75.

Aprox. 3 miles of fence on property. Fence lines not run, in order to save expense to claimant.

INSTRUMENT:- This survey was made with Buff Special Transit No. 7905. Distances measured with steel chains. True meridian determined by direct solar observations as per separate report enclosed herewith. All lines run direct upon the ground.

REPORT:- Survey tied to U.S.L.M.No.78, H.E.S. Special report on establishment enclosed herewith.

Note:- Extreme haziness of atmosphere prevented taking bearings of prominent distant objects from corners at time of survey.

Paul E. Gurnald.-

U.S. Mineral Surveyor.

Field Notes of Establishment of U.S.L.M.No.78, H.E.S.

Having received Special Instructions from the Surveyor General of Arizona, dated Feb.3rd. 1913, for Homestead Entry Survey No.78, of Homestead Claim of Wm.B.MacBeath, same being shown on U.S.Geological Survey Map of Patagonia Quadrangle, Arizona, as "Picketts Ranch", on unsurveyed public land (approx.Secs.16,21 & 22, T 19 S, R 15 E, unsvd), I find that the above claim is without the two mile limit of any corner of the Public Land Survey, also more than two miles from U.S. M.M.No.1, Greaterville Mining District, Pima County, and very close to two miles distant, more or less, from U.S.L.M.No.1105, above district. However, to connect this claim with U.S.L.M.No.1105 above, would entail a difficult traverse with increase in elevation of 1500.ft. to crest of Santa Rita Mts, and drop of 500.ft. on opposite side, with the possibility that when measured, the resultant tie might be more than two miles in length. Under these conditions which would ^{put} entryman to much additional expense for survey, I did not attempt to run a tie line to U.S.L.M.No.1105 above, but established U.S.L.M.No.78,H.E.S. as follows:-

In a 3 ft.deep crevice in solid rock at top of small hill situated by itself about $\frac{1}{4}$ mile W.from foot of W.side of Santa Rita Mts., I set up a Red Oak Post, 6x7 in.in diam.,8 ft.long, marked on S.Side - U.S.L.M.No.78, H.E.S. - and cross to denote exact point. Filled in crevice on both sides of post with stones. From this monument:-

- House or sq.mmt. on high peak of Santa Ritas, probably Mt.Baldy, bears S.19°0 $\frac{1}{2}$ 'W.
- Baboquivari Peak " S.89°22 $\frac{1}{2}$ 'W.
- Main Bldg, Pioneer Smelter " N.38°22'W.
- Bearing Rock - Granite boulder 5x4x5 ft. brs. S.53°23'E, 5.50 ft.
- " " - " " 4x3x3 ft. " N.81°45'E, 4.45 ft.
- " " - under side granite block 7x5x6 ft. bears N.37°12'E, 5.80 ft.
- " " - Granite bed rock brs. N.69°51'W, 8.38 ft.
- Cor.No.1, H.E.Survey No.78, bears S.31°7'E, 2494.65 ft.or 37.80 ch.
- Var. 14°20'E.

Established May 2nd. 1913,

Paul E. Fernald.
U.S.Mineral Surveyor.



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H.E. Survey No. 78. Direct Observations for Meridian, May 1st. 1913.

Lat. N $31^{\circ}46\frac{1}{2}'$ (from U.S. Geol. Survey Map - Patagonia Quadrangle.

Base Line - E. End Line (Line I-2), Mag. Bear. N. $24^{\circ}50'E$.

* * * * *

Obs. 10 25 A.M. Defl. Angle R $76^{\circ}10\frac{1}{2}'$. Alt. $58^{\circ}45'$. Direct.

" " R $77^{\circ}4\frac{1}{2}'$, " $59^{\circ}20'$ Reverse.

Alt. Cor. $-\frac{1}{2}'$. Decl. N $14^{\circ}58'40.4''$
4' 7''
 $15^{\circ}3'$

$$\text{Cos. } Q = \frac{\sin D.}{\text{Cos. } L \times \text{Cos. } A.} - \tan L \times \tan A.$$

Direct.	-	log. sin $15^{\circ}3'$	-	9.414408	log. tan $31^{\circ}46\frac{1}{2}'$	9.791992
	-	log. cos $31^{\circ}46\frac{1}{2}'$	-	9.929482	log. tan $58^{\circ}44\frac{1}{2}'$	0.216801
				9.484926		
	-	log. cos $58^{\circ}44\frac{1}{2}'$	-	9.715082		0.008793
				9.769844		
			=	0.58863	=	1.02045

$0.58863 - 1.02045 = 0.43182 = \text{Cos. } 64^{\circ}25'$
 $76^{\circ}10\frac{1}{2}'$
 $180^{\circ} - 140^{\circ}35\frac{1}{2}' = 39^{\circ}24\frac{1}{2}'$

Reverse.

	-	log. cos $59^{\circ}19\frac{1}{2}'$	-	9.707712	log. tan $59^{\circ}19\frac{1}{2}'$	0.226823
				9.484926		0.018815
			=	0.59871	=	1.04428

$0.59871 - 1.04428 = 0.44557 = \text{nat. cos. } 63^{\circ}32\frac{1}{2}'$
 $77^{\circ}4\frac{1}{2}'$
 $180^{\circ} - 140^{\circ}37' = 39^{\circ}23'$

Obs. 4.P.M. Direct, defl. angle L $135^{\circ}27\frac{1}{2}'$, Alt. $38^{\circ}52'$.
Reverse " " L $134^{\circ}26\frac{1}{2}'$, Alt. $37^{\circ}28'$.

Alt. correction - 1'. Decl. N $15^{\circ}7'$.

Direct bearing (figured as above) N $39^{\circ}25\frac{1}{2}'E$.

Reverse " " (" " ") N $39^{\circ}23\frac{1}{2}'E$

Average " afternoon obs. N $39^{\circ}24\frac{1}{2}'E$

" " morning " N $39^{\circ}233/4E$.

General average bearing N $39^{\circ}24'E$.

Note - observations taken both morning and afternoon, to equalize any small error in latitude taken.

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FINAL OATHS FOR SURVEYS.

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LIST OF NAMES.

A list of the names of the individuals employed by Paul E. Fernald 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 Wm. B. Macbeath described as H. E. Nos. 05844 019996, List Nos. 971 3-395 Situate in the Coronado National Forest, Pima County, Arizona.

and showing the respective capacities in which they acted.

Edward E. Haskell Chairman
 _____ Chairman.
 _____ Axman.

.....

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FINAL DATA FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals
 employed by the Bureau of Land Management
 Mineral Surveyors, to assist in turning, measuring
 and marking the lines, corners, and boundaries
 described in the foregoing field notes of the sur-
 vey of the Homestead Entry of land of the
 described as H. E. D. District, District No. 1-202,
 and showing the respective sections in which they

 Chairman

 Chairman

 Agent

RECEIVED
JAN 13 1900

RECEIVED
JAN 13 1900



~~xxx~~ We, I Edward E. Haskell and I
do solemnly swear that ~~we~~ assisted Paul
E. Fernald, United States Mineral Surveyor, in marking
 the corners and surveying the boundaries of the Homestead Entry
 claim of Wm. B. Macbeath
 described as H.E.No. 05844, List No. 97I, and H.E.No. 019996,
List No. 3-395, situate in the Coronado National Forest,
Pima County, Arizona.

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.

E. E. Haskell. Chainman,
 _____ Chainman,
 _____ Axman,
 _____ Flagman.

Subscribed and sworn to by the above named persons
 before me this 31 day of May, 1913, by E. E. Haskell
 my Com. Exp. Apr. 19-1916
 (Seal)

W. Purcell
 Notary Public
 Pima County
 State of Arizona



and
 The solemnly sworn that we assisted
 United States Mineral Surveyor, in making
 the country and surveying the boundaries of the Homestead Entry
 claim of
 described as
 located in

represented in the preceding field notes as having been surveyed
 by said Mineral Surveyor and under the direction of
 survey has been in all respects to
 and belief, faithfully and
 and boundary monuments established according to
 instructions furnished by the United States Surveyor General for
 Arizona

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FINAL OATH OF U.S. MINERAL SURVEYOR.

I, Paul E. Fernald, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the United States Surveyor-General of Arizona, dated February 3rd, 1913., 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 Wm. B. MacBeath, described as H. E. Nos. ⁰⁵⁸⁴⁴ Q19996, ⁹⁷¹ Lists No. 3-395, situate in the Coronado National Forest, Pima County, Arizona, and designated as Homestead Entry Survey No. 78, 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 Nos. ⁹⁷¹ 3-395, 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.

Paul E. Fernald
U. S. Mineral Surveyor.

Subscribed and sworn to by the said Paul E. Fernald,
U. S. Mineral Surveyor, before me, D. W. Purcell a Notary Public
this 31 day of May, 1913.

D. W. Purcell
Notary Public
Pima County
State of Arizona

(SEAL)
My commission exp. Apr. 19, 1916.

[Faint, illegible handwriting on lined paper]

Paul B. Johnson

Miss

Miss
 Miss
 Miss



Div E
205
3800
195
15 E
162

JAN. 13 1913

DESCRIPTION OF SURVEY
Wm. B. MacBEATH, HOMESTEAD APPLICANT No. 5.
(Supplemental)
CORONADO NATIONAL FOREST, ARIZONA.

October 30, 1909.

Township 19 S., Range 15 E., G. & S.R., B. & M.,
Sections 16, 21, approximately.

Variation:- This survey was run and platted on a variation
of 13° E., obtained from local surveyor.

Beginning at corner No. 4 marked H being the fourth and
most westerly corner of List No. 971, whence the PSMH of
List No. 971 bears S. 50° E. 40 chains,

Thence N. 50° W., 40 chains to corner No. 5, a stone
4" x 6" x 12", set 6" in the ground and marked H5 witnessed
alongside by a monument of stone 2' in diameter and 2' high.
No other suitable witness

Thence N 40° E. 20 chains to corner No. 6 a stone 4" x
8" x 14" set 8" in the ground and marked H6 witnessed along-
side by a desert ~~ground~~ willow post 4" in diameter and 4-1/2'
long, set 12" in the ground, marked WH6 and surrounded by
a monument of stone 2' x 2' high. No other suitable witness.

Thence S. 50° E., 39.15 chains to corner No. 3 a post
marked H., being the third and most monthly corner of List
No. 971

Thence S. 40° W. along the north west line of List
No. 971 to corner No. 4 the place of beginning. Containing
80 acres, be the same more or less, of agricultural land

M. W. Hochaday
Surveyor, Deputy Ranger.

Description and plat compared
and approved by.

& P. J. Seepirk
Forest Supervisor.

78

706
3800

DESCRIPTION OF SURVEY
Wm. B. MacBETH,
(Supplemental)
CORONADO NATIONAL FOREST, ARIZONA.

Jan 13 1918

October 30, 1909.
Township 19 S., Range 15 E., G. & S. R., B. & M.,
Section 18, 21, approximately.
Variation: - This survey was run and plotted on a variation
of 13° E., obtained from local surveyor.
Beginning at corner No. 4 marked H being the fourth and
most westerly corner of list No. 971, whence the bearing of
list No. 971 bears S. 50° E. 40 chains to corner No. 5, a stone
Thence S. 50° W. 40 chains to corner No. 6, a stone
4" x 2" x 12", set in the ground and marked H, witnessed
alongside by a monument of stone 2' in diameter and 3' high.
No other suitable witness
Thence S. 40° E. 20 chains to corner No. 7, a stone 4" x
8" x 14" set in the ground and marked H, witnessed along-
side by a desert ~~stone~~ willow post 4" in diameter and 4-1/2'
long, set in the ground, marked H, and surrounded by
a monument of stone 2' x 2' high. No other suitable witness.
Thence S. 50° E. 30.15 chains to corner No. 8, a post
marked H., being the third and most northerly corner of list
No. 971
Thence S. 40° W. along the north west line of list
No. 971 to corner No. 4 the place of beginning. Containing
80 acres, be the same more or less, of agricultural land

Wm. MacBeth
Surveyor, Deputy Ranger.

Description and list compared
and approved by.
R. J. ...
Forest Supervisor.

DESCRIPTION OF SURVEY
William B. MacBeath, Homestead Applicant No. 5.
Coronado National Forest, Arizona.

Unsurveyed, which when surveyed will be approximately
Township 19 south, Range 15 east, G. & S.R. Meridian

Secs. 16 and 21

Beginning at FSMH a granite boulder 6' x 8' x 5'
above ground, carved in E face ^{MHW} located on south bank
of Oak Park Canyon, S 30° E 90 links from the SE corner
of W.B. MacBeath's residence; extending
thence N 40° E 20 chains to a monument of stone
chiseled H
thence N 50° W 40 chains to a stake set in the
ground, marked H
thence S 40° W 20 chains to a granite boulder
cut H
thence S 50° E 40 chains to the place of be-
ginning. Magnetic variation 13° E.

Area 80 acres.

(The above survey notes cover the land under List 975)

DESCRIPTION OF SURVEY
William B. Ketchum, Homestead Applicant No. 2,
Geronimo National Forest, Arizona.

Unsurveyed, which when surveyed will be approximately
Township 19 north, Range 18 east, S. 1 & 2 N. Meridian

... 19 and 21
Beginning at 4887 a granite boulder 3' x 2' x 2'
above ground, served in 1900, located on south bank
of Oak Park Canyon, S 20° E 40' from the SE corner
of W.B. Ketchum's residence; extending
thence N 40° E 20' chains to a monument of granite
chiseled N
thence N 50° W 40' chains to a stake set in the
ground, marked N
thence S 40° E 20' chains to a granite boulder
cut N
thence S 60° E 40' chains to the place of be-
ginning. Magnetic variation 12° E.
Area 90 acres.

(The above survey notes cover the land under plat 273)

3800
208

MAP SHEET

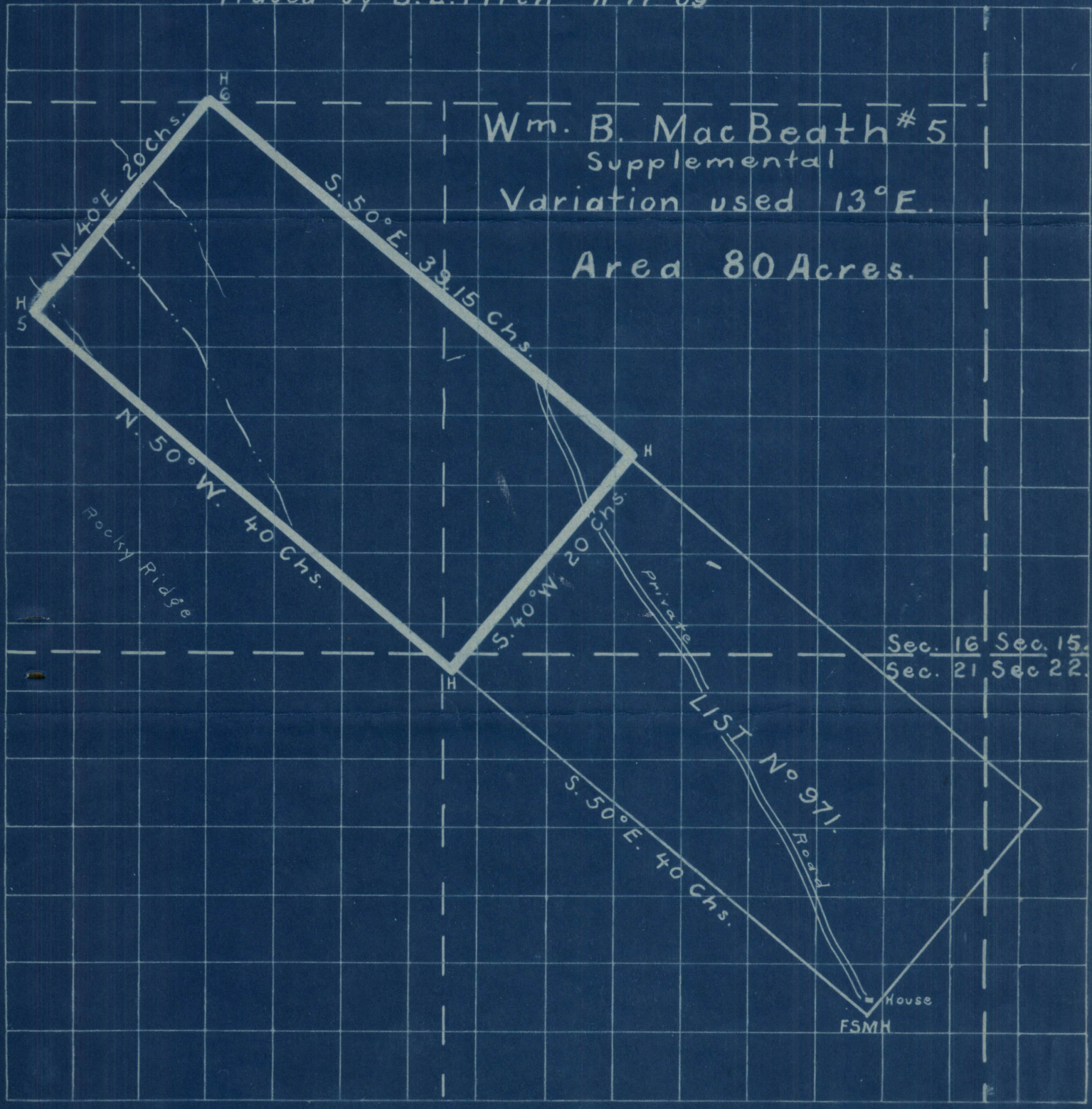
Supplemental
Application No. 5

Coronado National Forest.

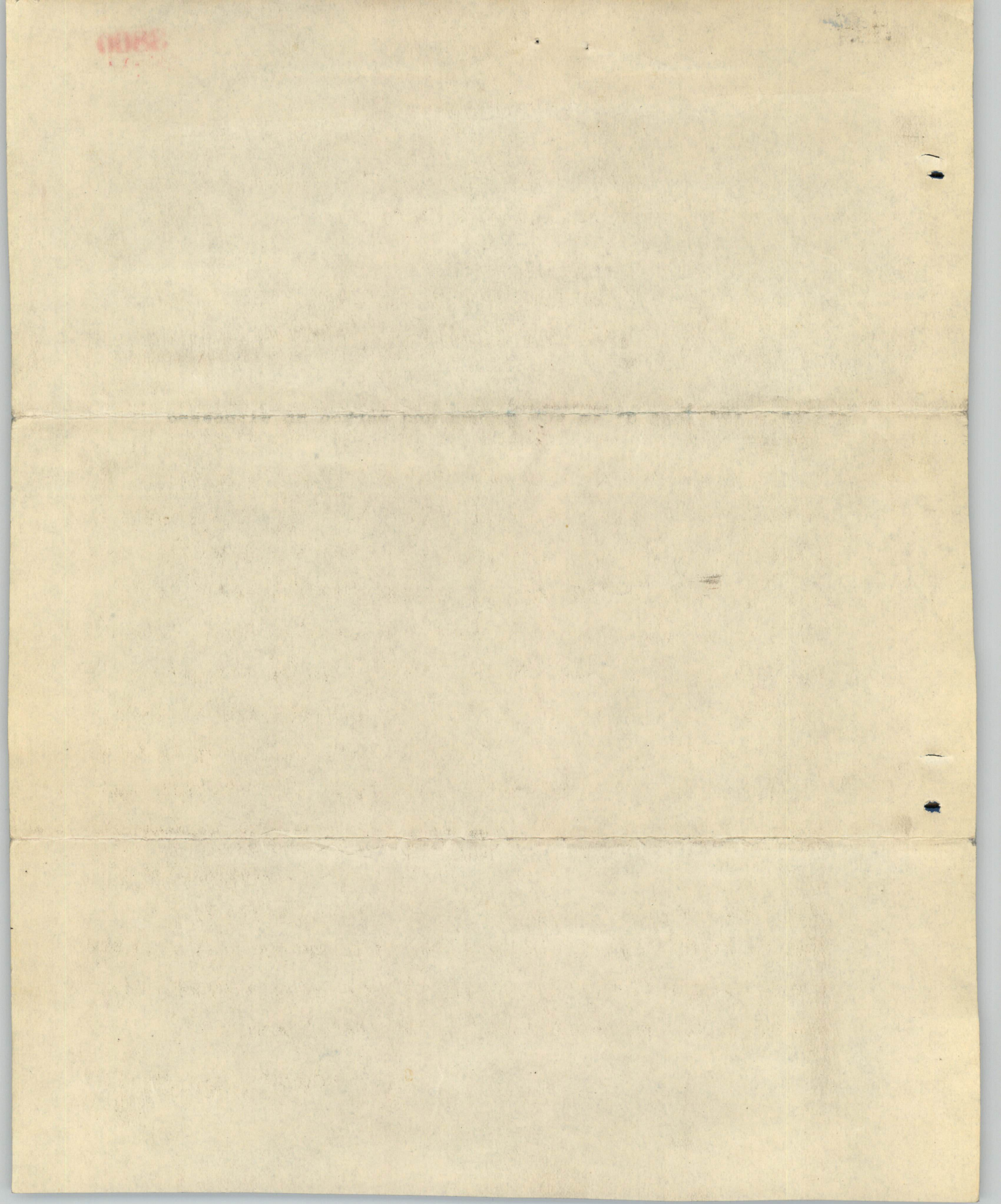
Division _____ District _____ Block _____

T. 19 S., R. 15 E., G&SR M., Sections 16, 21, Quarter SW, SE.

Mapped by M. W. Hockaday
Traced by B. L. Fitch 11-17-'09 Scale: 8 inches = 1 mile.



CHINESE



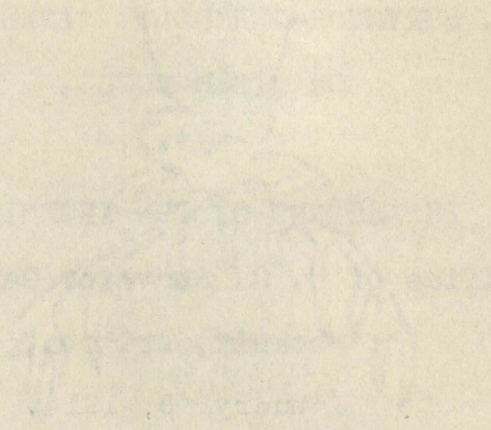
U. S. SURVEYOR-GENERAL'S FINAL CERTIFICATE
ON FIELD NOTES.

DEPARTMENT OF THE INTERIOR,
Office of U. S. Surveyor-General,
Phoenix, Arizona,
January 5, 1914.

I, U. S. Surveyor-General for the District of Arizona, do hereby certify that the foregoing transcript of the Field Notes, Return and Approval of the survey of the Homestead Entry Claim of Wm. B. MacBeath, described as Homestead Entries 05844 and 019996, Phoenix, Arizona, Land Office, based on Lists Nos. 971 and 3-395 respectively, situated in the Coronado National Forest, Pima County, Arizona, approximately in Secs. 16, 17 and 21, T. 19 S., R. 15 E., unsurveyed, G. & S. R. B. & M., and designated as Homestead Entry Survey No. 78, have been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said Homestead Entry claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or to permanent monuments as will perpetuate and fix the locus thereof.

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

RENEWED



[Faint, illegible text block, possibly bleed-through from the reverse side of the page]

RENEWED

SURVEYOR-GENERAL'S CERTIFICATE OF APPROVAL
OF
FIELD NOTES AND SURVEY OF HOMESTEAD ENTRY CLAIM.

DEPARTMENT OF THE INTERIOR,
Office of U. S. Surveyor-General,
Phoenix, Arizona,
January 5, 1914.

I, U. S. Surveyor-General for the District of Arizona, do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the Homestead Entry Claim of Wm. B. MacBeath, described as Homestead Entry No. 05844, and Homestead Entry No. 019996, Phoenix, Arizona, Land Office, based on Lists Nos. 971 and 3-395, respectively, situated in the Coronado National Forest, Pima County, Arizona, approximately in Secs. 16, 17 and 21, T. 19 S., R. 15 E., unsurveyed, G. & S. R. B. & M., designated as Homestead Entry Survey No. 78, executed by Paul E. Fernald, U. S. Mineral Surveyor, May 1-May 2, 1913, under my instructions dated February 3, 1913, have been critically examined and the necessary corrections and explanations made and the said Field Notes and Return and the Survey they describe are hereby approved. A true copy of the copy of the Field Notes of the preliminary survey by the Department of Agriculture is included in the Field Notes.

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

THE
 OFFICE OF THE
 SECRETARY OF THE
 TREASURY
 DEPARTMENT OF THE TREASURY
 WASHINGTON, D. C.

I, the undersigned, Secretary of the Treasury, do hereby certify that the within and foregoing is a true and correct copy of the original as the same appears in the files of the Department of the Treasury.

In testimony whereof, I have hereunto set my hand and the seal of the Department of the Treasury at Washington, D. C., this _____ day of _____, 19____.

 Secretary of the Treasury

214

HOMESTEAD ENTRY SURVEY No. 78

Wm. B. MacBeath Claimant.

Coronado National Forest, Pima Co. Arizona.

Approx. Sections 16, 17 & 21. T19S, R15E. Unsud.

Area 160 Acres.

Surveyed May 1st. & 2nd. 1913

by Paul E. Fernald, U.S. Mineral Surveyor.

Scale 10 Chains = 1 Inch.

