

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE

THE EXTERIOR BOUNDARY OF THE ALDO
LEOPOLD WILDERNESS, GILA NATIONAL
FOREST, SOUTHWESTERN REGION,
JANUARY 30, 1983, AS COVERED INTO
THE NATIONAL WILDERNESS
PRESERVATION SYSTEM BY
P.L. 96-550 (12/19/80)

PERMANENT RECORD - DO NOT DESTROY



NATIONAL WILDERNESS PRESERVATION SYSTEM

ALDO LEOPOLD WILDERNESS

GILA NATIONAL FOREST
SOUTHWESTERN REGION
U.S.D.A. - FOREST SERVICE

I hereby certify that the legal description and map herewith represent the location of the boundary of the Aldo Leopold Wilderness on the Gila National Forest as covered into the National Wilderness Preservation System by P.L. 96-550 (12/19/80).

7/28/83
DATE

M. J. Hassell
REGIONAL FORESTER

THE EXTERIOR BOUNDARY OF THE ALDO LEOPOLD WILDERNESS,
GILA NATIONAL FOREST, SOUTHWESTERN REGION, U.S. DEPARTMENT
OF AGRICULTURE, AS COVERED INTO THE NATIONAL WILDERNESS
PRESERVATION SYSTEM BY P.L. 96-550 (12/19/80)

Beginning at a point 300 feet North of the Hillsboro Peak triangulation station, Latitude $32^{\circ}57'10''\text{N}$, Longitude $107^{\circ}46'44''\text{W}$, elevation 10,011 feet above sea level;

Thence $S39^{\circ}52'\text{E}$, 608 feet to a point on the crest of a ridge;

Thence descending easterly along the crest of the ridge 714 feet;

Thence approximately $S58^{\circ}54'\text{E}$ along the crest of a ridge 451 feet;

Thence southeasterly 525 feet along the crest of the ridge;

Thence approximately $S11^{\circ}32'\text{E}$ along the crest of the ridge 1150 feet;

Thence southerly along the crest of the ridge approximately 2500 feet to a peak;

Thence southwest along the crest of the ridge approximately 2033 feet to a peak (elevation 9425 feet);

Thence southerly along the crest of the ridge approximately 2250 feet to the peak of Cross-O Mountain (elevation 9619 feet);

Thence descending southeast along the crest of the ridge 925 feet;

Thence descending east-northeast along the crest of the ridge approximately 1116 feet to a small peak;

Thence east southeasterly 3740 feet along the crest of the ridge;

Thence approximately $N89^{\circ}52'\text{E}$, approximately 1423 feet along the crest of the ridge to the bottom of Middle Percha Creek at the mouth of a major side drainage draining from the north;

Thence ascending northerly 2652 feet along the bottom of the side drainage;

Thence $N64^{\circ}10'\text{W}$, 285 feet;

Thence $N79^{\circ}15'\text{W}$, approximately 385 feet to the top of the ridge;

Thence ascending along the crest of the ridge approximately 2605 feet to a small peak;

Thence descending northeast along the crest of the ridge approximately 1436 feet to a minor peak;

Thence easterly along the crest of the ridge approximately 1747 feet to a small peak;

Thence descending Northeast, 674 feet along the crest of the ridge;

Thence descending along the crest of the ridge approximately 3617 feet to a small peak (elevation 8120 feet);

Thence descending northeast along the ridge top approximately 844 feet to a small peak;

Thence descending northwesterly along the crest of the ridge 1051 feet;

Thence approximately N13°12'W, 478 feet along the crest of the ridge;

Thence approximately N18°55'E, 323 feet along the crest of the ridge;

Thence approximately N20°34'E, 546 feet along the crest of the ridge;

Thence N13°21'W, 287 feet across the bottom of Carbonate Creek Canyon;

Thence N39°48'W, 325 feet;

Thence N52°26'W, 1208 feet to a point on a ridge crest;

Thence ascending N40°10'W, 277 feet along the crest of the ridge;

Thence ascending northwest along the ridge 791 feet;

Thence N82°51'W, along the crest of the ridge 444 feet;

Thence S76°15'W, 518 feet to a point on the ridge top;

Thence southwesterly along the ridge top 1529 feet;

Thence S78°10'W, approximately 562 feet to the ridge crest;

Thence northerly, 2095 feet along the crest of the ridge;

Thence descending northwest, 523 feet along the crest of the ridge;

Thence N71°12'W, 751 feet;

Thence N53°46'W, approximately 219 feet to a drainage bottom;

Thence descending northerly approximately 999 feet along a drainage bottom to Mineral Creek;

Thence ascending northwest along Mineral Creek approximately 899 feet to the mouth of a side drainage (draining from the north);

Thence ascending north along the drainage bottom approximately 1089 feet to the top of the ridge;

Thence descending southeast, 2403 feet along the ridge top to the head of a drainage which drains northeast;

Thence northeast along the drainage bottom approximately 1660 feet to the mouth of a drainage which drains from the west northwest;

Thence N48°34'E, 1035 feet;

Thence N12°47'W, 441 feet;

Thence descending N23°12'E, 280 feet;

Thence N04°01'E, approximately 1780 feet to a point on the ridge top;

Thence ascending northerly along the ridge top approximately 2522 feet to the major peak (elevation 8234 feet);

Thence northwest along the crest of the ridge approximately 1550 feet to a saddle;

Thence N01°04'E, 299 feet;

Thence N56°01'E, 454 feet;

Thence N44°23'E, 485 feet;

Thence N61°39'E, 509 feet;

Thence S72°45'E, approximately 734 feet to a point on the ridge;

Thence descending east northeasterly along the crest of the ridge approximately 2330 feet to a peak;

Thence descending northeasterly 831 feet along the ridge crest;

Thence east northeasterly along the ridge top approximately 1953 feet to the top of a small peak;

Thence east northeasterly along the ridge crest 880 feet to a point on the south side of Dumm Canyon bottom;

Thence N45°47'E, 896 feet;

Thence N43°05'E, approximately 352 feet to the ridge top;

Thence N20°16'E, 517 feet;

Thence N25°11'E, 765 feet;

Thence N23°56'E, 495 feet;

Thence N05°34'E, 403 feet;

Thence N14°26'W, 388 feet;

Thence N47°55'W, approximately 520 feet to a point on the ridge top;

Thence N68°21'E, approximately 387 feet to the crest of a very sharp, irregular ridge top;

Thence descending easterly along the crest of the ridge 1116 feet;

Thence approximately N28°51'E, 433 feet along the crest of the ridge;

Thence approximately N05°17'W, 315 feet along the crest of the ridge;

Thence N16°11'W, 383 feet across Cave Creek;

Thence N28°44'E, approximately 405 feet to a small peak;

Thence ascending northerly approximately 2716 feet along the crest of the ridge to a peak (elevation 7793 feet);

Thence descending N61°33'E, 630 feet;

Thence N75°06'E, 1030 feet;

Thence N66°17'E, 454 feet;

Thence N45°46'E, approximately 265 feet to the bottom of Cave Creek Canyon at the mouth of a side drainage which drains from the northeast;

Thence northeasterly ascending the drainage bottom approximately 1408 feet to a saddle at the ridge top;

Thence descending easterly along the crest of the ridge 2564 feet to a point on the break at the northwest edge of the mesa top;

Thence northeasterly along the break at the northwest edge of the mesa top approximately 4198 feet to a small peak (elevation 7212 feet);

Thence northerly, 651 feet to a point on the ridge top;

Thence descending approximately N75°46'W along the ridge top, 1290 feet to a small bench on the ridge top;

Thence descending northwest along the crest of the ridge approximately 1354 feet to the southern boundary of patented land in section 31, T14S, R8W, NMPM;

Thence westerly along the southern boundary of the patented land approximately 2083 feet to the southwest corner of the patented land;

Thence northerly along the west boundary of the patented land approximately 232 feet to a point which is 300 feet southerly from the centerline of the road which is known as Forest Trail 114 (the 300 feet offset distance is measured perpendicularly from the centerline of the road);

Thence northwesterly along a line which is 300 feet southwest of the centerline of Forest Trail 114, a distance of approximately 5312 feet to a point on a ridge top which is immediately east of the mouth of a lateral stream draining from the southwest;

Thence N89°42'W, approximately 3551 feet to a point on the crest of a ridge;

Thence S64°05'W, approximately 3303 feet to a point on the crest of a ridge;

Thence approximately N87°45'W, approximately 931 feet to the southeast corner of patented land in section 34, T14S, R9W, NMPM;

Thence westerly along the southern boundary of the patented land approximately 5179 feet to the southwest corner of the patented land;

Thence northerly approximately 1488 feet to the northwest corner of the patented land;

Thence easterly approximately 5169 feet to the northeast corner of the patented land;

Thence N89°52'E, 1497 feet;

Thence N13°32'W, approximately 868 feet to the crest of a ridge;

Thence ascending northerly along the crest of the ridge approximately 3696 feet to a peak (elevation 7998);

Thence northeasterly along the crest of the major ridge system a distance of approximately 7976 feet to a peak;

Thence N09°38'E, 462 feet;

Thence N45°44'E, 556 feet;

Thence N0°10'E, approximately 1119 feet to the bottom of the Conley Canyon;

Thence northwest along the bottom of Conley Canyon approximately 1562 feet to the mouth of a side drainage which drains from the northwest;

Thence ascending northwest along the bottom of the side drainage 740 feet;

Thence S53°41'W, 228 feet;

Thence N27°53'W, 272 feet;

Thence N0°36'E, approximately 533 feet to the ridge top;

Thence westerly along the crest of the ridge approximately 876 feet to a peak;

Thence N24°39'W, approximately 832 feet to a saddle;

Thence ascending the crest of the ridge northwesterly approximately 2098 feet to a peak;

Thence N19°35'W, 921 feet along the crest of a ridge;

Thence descending northerly approximately 1216 feet to the bottom of Middle Seco Canyon at the mouth of a side drainage which drains from the northeast;

Thence ascending northeast along the bottom of the side drainage approximately 1195 feet to the top of the ridge;

Thence westerly approximately 373 feet along the ridge top to a peak (elevation 7209 feet);

Thence westerly along the crest of the major ridge approximately 4043 feet to a peak (elevation 7605 feet);

Thence westerly along the crest of the major ridge approximately 1912 feet to a peak (elevation 7721 feet);

Thence descending northwest along the crest of the ridge approximately 3241 feet to the foot of the mountain;

Thence S84°42'W, 279 feet;

Thence S79°39'W, approximately 650 feet to the bottom of North Seco Creek;

Thence N25°25'E, 222 feet;

Thence N54°14'E, 139 feet;

Thence N82°38'E, 103 feet;

Thence N63°29'E, 388 feet;

Thence N57°43'E, 266 feet;

Thence N34°20'E, 176 feet;

Thence S12°23'E, 260 feet;

Thence N19°32'E, 636 feet;

Thence N06°07'E, 183 feet;

Thence N55°00'E, approximately 324 feet to a point on the crest of a ridge;

Thence approximately N59°45'E, 297 feet along the crest of a ridge;

Thence approximately N49°11'E, 239 feet along the crest of a ridge;

Thence northeast along the crest of the ridge approximately 2206 feet to a peak;

Thence N51°12'E, approximately 1798 feet to a small peak;

Thence northwest along the ridge approximately 3194 feet to the top of Lake Mountain;

Thence westerly along the crest of the ridge approximately 1103 feet to a peak (elevation 7675 feet);

Thence descending northerly 1347 feet along the crest of the ridge;

Thence descending northwest 1538 feet along the crest of a spur ridge;

Thence N19°33'E, 645 feet to the crest of a ridge;

Thence north approximately 2238 feet along the crest of the ridge to a peak (elevation 6930);

Thence descending northeast along the crest of a spur ridge approximately 928 feet to the southern boundary of patented land in section 27, T13S, R9W, NMPM;

Thence westerly along the southern boundary of the patented land approximately 5263 feet to the southwest corner of the patented land;

Thence northerly along the west boundary of the patented land approximately 1330 feet to the northwest corner of the patented land;

Thence easterly along the north boundary of the patented land approximately 2640 feet to the crest of a ridge;

Thence northerly along the crest of the ridge approximately 1678 feet to the north end of a peak;

Thence northeast approximately 762 feet to the southwest corner of patented land in section 21, T13S, R9W, NMPM;

Thence northerly along the west boundary of the patented land approximately 2630 feet to its northwest corner;

Thence N0°35'W, approximately 469 feet to the bottom of Curtis Canyon at the mouth of a major side drainage which drains from the north;

Thence northwest, 3411 feet along the crest of a ridge;

Thence N18°52'W, 702 feet across the top of a hill;

Thence N06°49'W, 493 feet;

Thence N0°12'E, 575 feet;

Thence N13°22'W, 705 feet;

Thence N11°25'W, 702 feet;

Thence N0°49'E, approximately 272 feet to the bottom of Morgan Creek;

Thence N14°14'E, 150 feet;

Thence N08°33'W, approximately 218 feet to a point on a ridge top;

Thence ascending north northwest along the crest of the ridge approximately 6134 feet to a peak (elevation 7725 feet);

Thence N27°32'E, 433 feet;

Thence N08°25'W, 352 feet to a point on the crest of a ridge;

Thence northwest along the crest of the ridge approximately 2233 feet to a peak (elevation 7709);

Thence approximately N50°46'W, 605 feet along the crest of the major ridge;

Thence northwest 1713 feet along the crest of the ridge to the bottom of a major side drainage draining from the southwest;

Thence northeast along the bottom of the side drainage approximately 411 feet to Circle Seven Creek;

Thence N39°58'E, 539 feet;

Thence N55°48'E, 327 feet;

Thence N61°19'E, 473 feet;

Thence N52°30'E, 524 feet;

Thence S87°53'E, 264 feet;

Thence N14°53'E, approximately 479 feet to a canyon bottom which drains southeast;

Thence S58°33'E, 217 feet;

Thence S89°37'E, 301 feet;

Thence S82°55'E, 137 feet;

Thence S66°54'E, 186 feet;

Thence S70°30'E, approximately 647 feet to the crest of the ridge;

Thence southerly along the crest of the ridge approximately 1356 feet to a small peak;

Thence S73°49'E, approximately 909 feet to a peak (elevation 7385);

Thence S79°12'E, 475 feet;

Thence S65°48'E, 223 feet;

Thence S81°44'E, 204 feet;

Thence N79°09'E, approximately 236 feet to a point on the ridge top;

Thence easterly along the crest of the ridge 1321 feet;

Thence N51°22'E, 1082 feet across Whiskey Spring Canyon;

Thence N79°28'E, approximately 327 feet to the top of a small peak;

Thence northerly along the crest of the ridge approximately 1888 feet to a small peak;

Thence northwest along the crest of the ridge 1093 feet;

Thence northerly along the crest of the ridge approximately 1413 feet to a peak (elevation 7855 feet);

Thence northwesterly along the crest of the major ridge approximately 5335 feet to a peak;

Thence descending northeasterly, 919 feet along the crest of the ridge;

Thence northerly 521 feet along the crest of the ridge;

Thence N21°14'E, 1156 feet;

Thence N27°55'W, approximately 349 feet to the bottom of Moccasin John Canyon;

Thence northwest approximately 1419 feet along the crest of the ridge to a small peak;

Thence northerly approximately 1141 feet along the crest of the ridge to a peak;

Thence easterly along the crest of the ridge approximately 1167 feet to a peak (elevation 8050 feet);

Thence easterly 807 feet along the crest of the ridge;

Thence S66°26'E, 589 feet;

Thence N78°45'E, approximately 962 feet to the bottom of Moccasin John Canyon;

Thence northeasterly approximately 3403 feet along the bottom of Moccasin John Canyon to the mouth of a side canyon which drains from the northwest;

Thence northwesterly along the bottom of the side canyon for a distance of 1462 feet;

Thence N01°49'E, 574 feet;

Thence N27°57'E, approximately 553 feet to a small peak;

Thence westerly along the crest of the ridge approximately 1480 feet to a peak (elevation 7334);

Thence easterly, approximately 3448 feet along the crest of the ridge to a small peak;

Thence descending northerly along the crest of a spur ridge 1099 feet;

Thence northwest along the crest of the ridge approximately 1015 feet to the bottom of the North Fork of Palomas Creek at the mouth of a canyon which drains from the north;

Thence ascending northerly along the bottom of the side drainage approximately 2435 feet to a peak (elevation 7865 feet);

Thence northwest along the crest of the major ridge approximately 5400 feet to a small peak;

Thence northwesterly along the crest of the major ridge approximately 4417 feet to a peak (elevation 8485 feet);

Thence N39°25'E, 434 feet to a point on a spur ridge;

Thence descending along the spur ridge N10°26'E, 638 feet;

Thence N03°41'E, 413 feet along the crest of the ridge;

Thence N18°09'W, 632 feet along the crest of the ridge to a point in the bottom of Byers Run;

Thence N13°40'W, 716 feet;

Thence N06°08'E, 471 feet;

Thence N13°51'E, approximately 583 feet to the crest of the ridge;

Thence northwest along the crest of the ridge approximately 804 feet to the top of a peak (elevation 8405 feet);

Thence N87°28'W, 629 feet along the crest of the ridge;

Thence S70°45'W, 1177 feet along the crest of the ridge through a saddle;

Thence approximately S62°10'W, 382 feet along the crest of the ridge;

Thence approximately S61°33'W, 395 feet along the crest of the ridge;

Thence approximately S86°44'W, approximately 259 feet to a peak (elevation 8650 feet);

Thence westerly along the crest of the major ridge a distance of approximately 3361 feet to a peak (elevation 8950 feet);

Thence northwesterly along the crest of the major ridge approximately 3628 feet to a point in a saddle (elevation 8660 feet) which is the head of a drainage which drains westerly;

Thence descending westerly along the bottom of the drainage approximately 1952 feet to the bottom of Turkey Run;

Thence northwest on the southwest side of Turkey Run, N74°13'W, 629 feet;

Thence S89°11'W, 362 feet;

Thence S64°25'W, 344 feet;

Thence N89°11'W, 679 feet;

Thence S44°20'W, 341 feet;

Thence N07°06'W, 297 feet;

Thence S88°05'W, 398 feet;

Thence S52°42'W, 195 feet;

Thence N69°42'W, 193 feet;

Thence N72°16'W, 498 feet;

Thence N58°12'W, 406 feet;

Thence N87°52'W, 147 feet;

Thence N0°11'W, 247 feet;

Thence N48°26'W, 347 feet;

Thence N20°16'W, 174 feet;

Thence N18°37'W, 151 feet;

Thence N16°41'W, 336 feet;

Thence S88°39'W, 197 feet;

Thence N85°40'W, 353 feet;

Thence S25°45'W, 655 feet;

Thence N10°26'W, 235 feet;

Thence N09°53'W, 307 feet;

Thence N26°44'W, 240 feet;

Thence northwest N51°21'W, approximately 327 feet; to a point on the crest of a ridge which is 300 feet southwest of the road (this is the beginning point of a portion of the Wilderness Boundary which runs parallel to and 300 feet southwest of the road in Turkey Run - the intent being an offset of 300 feet to the southwest);

Thence northwest along the 300 foot offset a distance of approximately 6.2 miles to the end of the 300 foot offset (the approximate bearings and distances are as follows:

N65°14'W, 693 feet,
N54°28'W, 733 feet,
N40°05'W, 872 feet,
N42°49'W, 784 feet,
N04°56'W, 288 feet,
N48°24'W, 326 feet,
N39°32'W, 945 feet,
N27°45'W, 352 feet,
N72°12'W, 322 feet,
N56°01'W, 269 feet,
N56°49'W, 195 feet,
N27°06'W, 277 feet,
N51°34'W, 379 feet,
N30°00'W, 548 feet,
N63°59'W, 284 feet,
N49°35'W, 294 feet,
N25°20'W, 655 feet,
N49°57'W, 456 feet,
N53°31'W, 786 feet,
N25°06'W, 373 feet,
N13°02'W, 402 feet,
N59°53'W, 438 feet,
N62°47'W, 489 feet,
N81°55'W, 830 feet,
N64°21'W, 626 feet,

N66°09'W, 289 feet,
N79°57'W, 546 feet,
N79°08'W, 560 feet,
N69°58'W, 447 feet,
S69°18'W, 399 feet,
S76°23'W, 521 feet,
S73°19'W, 334 feet,
N82°30'W, 601 feet,
N55°35'W, 782 feet,
N44°04'W, 745 feet,
N88°59'W, 396 feet,
N69°38'W, 283 feet,
N54°43'W, 634 feet,
N56°52'W, 1361 feet,
N62°06'W, 348 feet,
N38°28'W, 648 feet,
N88°59'W, 169 feet,
N45°55'W, 575 feet,
S72°18'W, 280 feet,
N63°10'W, 993 feet,
N45°22'W, 402 feet,
N65°29'W, 265 feet,
N88°17'W, 165 feet,
N67°59'W, 1446 feet,
N80°57'W, 585 feet,
S85°38'W, 404 feet,
N78°59'W, 287 feet,

N44°43'W, 317 feet,

N26°52'W, 456 feet,

N55°53'W, 252 feet,

N59°37'W, 276 feet,

N58°38'W, 995 feet,

N77°57'W, 302 feet,

N87°50'W, 400 feet,

N65°16'W, 639 feet,

N71°49'W, 1115 feet,

S78°14'W, 153 feet,

S74°50'W, 286 feet,

N88°59'W, 460 feet,

N62°16'W, 803 feet to the end of the 300 foot offset);

Thence approximately N59°W, approximately 390 feet to Corner 10, HES 357, T11S, R11W, NMPM;

Thence westerly along the southern boundary of HES 357, approximately 5356 feet to Corner 13, HES 357;

Thence N35°28'W, approximately 50 feet to the creek bottom in Turkey Run;

Thence southwesterly along the stream course of Turkey Run a distance of 10,010 feet;

Thence S63°31'W, approximately 1006 feet to a saddle on the crest of a ridge;

Thence S04°28'E, 312 feet;

Thence S06°30'E, 366 feet;

Thence S19°12'W, 319 feet;

Thence S45°06'W, approximately 369 feet to the bottom of Turkey Run at the mouth of a side canyon which drains from the south;

Thence ascending the side drainage bottom approximately S41°24'W, 264 feet;

Thence ascending the drainage bottom approximately S9°W, approximately 470 feet to the junction of two drainages;

Thence ascending the southwest drainage bottom approximately 1332 feet to the crest of the ridge;

Thence westerly 1666 feet along the break at the north edge of the mesa top;

Thence N65°49'W, 552 feet;

Thence N85°30'W, 361 feet over the crest of a low hill;

Thence N89°30'W, 480 feet along the crest of the ridge;

Thence S77°21'W, 569 feet along the crest of the ridge;

Thence S50°34'W, 325 feet along the crest of the ridge;

Thence descending southwesterly along the crest of the ridge 2954 feet;

Thence descending southerly along the crest of the ridge 987 feet;

Thence westerly along the crest of the long narrow ridge approximately 6000 feet to a peak (elevation 7239 feet);

Thence N00°21'E, 357 feet to a point on the crest of a ridge;

Thence westerly along the crest of an irregular ridge approximately 4048 feet to a peak (elevation 7165 feet);

Thence southwesterly along the crest of the ridge approximately 3044 feet to the low point of a saddle (elevation 7077 feet);

Thence N84°49'W, 306 feet;

Thence N63°11'W, 591 feet;

Thence N89°41'W, 395 feet;

Thence S63°14'W, 399 feet;

Thence S27°11'W, approximately 3657 feet to the crest of a hill on spur ridge;

Thence southerly along a line designed to be offset $\frac{1}{2}$ mile easterly from New Mexico State Highway 61 (following are the approximate bearings and distances along that line):

S36°45'E, 606 feet,

S05°21'E, 744 feet,

S04°17'W, 815 feet,

S06°01'W, 546 feet,

S12°28'E, 504 feet,

S24°04'E, 691 feet,

S17°06'E, 220 feet,

S03°09'W, 286 feet,

S09°27'W, 518 feet,

S15°21'W, 571 feet more or less and more particularly to the bottom of
Diamond Creek,

S21°18'W, 458 feet,

S37°56'E, 3975 feet,

S30°09'E, 637 feet,

S19°50'E, 498 feet,

S07°02'E, 497 feet,

S04°33'W, 436 feet,

S00°01'W, 351 feet,

S04°27'W, 474 feet,

S02°25'E, 620 feet,

S08°34'W, 545 feet,

S17°20'W, 731 feet,

S15°51'E, 437 feet,

S13°15'E, 442 feet,

S21°37'E, 256 feet,

S12°48'E, 219 feet,

S31°57'E, 571 feet,

S28°47'E, 439 feet,

S13°44'E, 476 feet,

S14°42'E, 492 feet,

S01°35'E, 475 feet,

S06°55'W, 541 feet,

S13°27'E, 234 feet,

S19°11'E, 489 feet,

S06°12'E, 472 feet,
S02°22'W, 791 feet,
S09°15'W, 403 feet,
S02°09'W, 568 feet,
S12°33'W, 549 feet,
S25°54'W, 616 feet,
S32°13'W, 501 feet,
S10°20'W, 443 feet,
S07°09'E, 453 feet,
S32°09'E, 537 feet,
S52°32'E, 629 feet,
S33°28'E, 718 feet,
S38°13'E, 368 feet,
S51°22'E, 565 feet,
S53°32'E, 795 feet,
S48°36'E, 320 feet,
S66°46'E, 515 feet,
S58°39'E, 919 feet,
S65°12'E, 389 feet,
S76°19'E, 764 feet,
S64°16'E, 725 feet,
S55°05'E, 665 feet,
S35°47'E, 947 feet,
S36°15'E, 710 feet,
S33°36'E, 669 feet,
S22°34'E, 335 feet,
S58°27'E, 713 feet,

S55°03'E, 578 feet,
S40°29'E, 693 feet,
S31° 25'E, 1001 feet,
S36°30'E, 484 feet,
S33°02'E, 895 feet,
S28°22'E, 644 feet,
S15°13'E, 687 feet,
S03°13'E, 906 feet,
S15°32'E, approximately 404 feet to the bottom of Tom Moore Canyon,
S08°00'E, 520 feet,
S01°25'E, 757 feet,
S16°27'W, 513 feet,
S34°22'W, 540 feet,
S35°05'W, 579 feet,
S23°47'E, 615 feet,
S19° 00'E, 646 feet,
S05°33'W, 632 feet,

S07°39'W, approximately 1012 feet to a point on the north boundary of patented land in section 5, T13S, R11W, NMPM and the end of the ½ mile offset along the east side of New Mexico Highway 61);

Thence easterly along the north boundary of the patented land approximately 4612 feet to the northeast corner of patented land in section 5, T13S, R11W;

Thence southerly along the east boundary of said patented land approximately 1249 feet to the southeast corner of said patented land in section 5;

Thence descending southwesterly along the crest of the ridge 755 feet;

Thence S11°46'W, approximately 506 feet to a point in the bottom of Black Canyon approximately 1050 feet easterly from the confluence of the Diamond Bar Canyon drainage with Black Canyon Creek;

Thence S11°42'W, 343 feet;

Thence S41°56'W, 298 feet;

Thence S69°52'W, 559 feet;

Thence N89°42'W, 930 feet;
Thence N53°47'W, 270 feet;
Thence N82°47'W, 833 feet;
Thence S35°04'W, 388 feet;
Thence N72°48'W, 431 feet;
Thence S20°51'E, 382 feet;
Thence N86°41'W, 472 feet;
Thence S35°45'W, 310 feet;
Thence S84°46'W, 200 feet;
Thence S36°47'W, 1308 feet;
Thence S05°01'E, 301 feet;

Thence southeasterly along a line designed to be 1/2 mile northeasterly from the centerline of New Mexico State Highway 61 (following are the approximate courses along that line:

S34°19'E, 947 feet,
S44°31'E, 459 feet,
S37°21'E, 590 feet,
S43°40'E, 350 feet,
S35°55'E, 801 feet,
S24°18'E, 375 feet,
S44°33'E, 484 feet,
S27°39'E, 647 feet,
S41°58'E, 655 feet,
S45°03'E, 1296 feet,
S74°57'E, 589 feet,
S53°51'E, 656 feet,
S54°05'E, 585 feet,
S52°58'E, 607 feet,
S57°12'E, 915 feet,

S35°34'E, 982 feet,

S27°35'E, 806 feet,

S48°09'E, 895 feet,

S28°26'E, 1505 feet,

S26°57'E, 1476 feet to the end of the offset at a point on the crest of a ridge);

Thence ascending southeasterly along the crest of the ridge approximately 5079 feet to a peak (elevation 8639 feet);

Thence southerly along the crest of the ridge approximately 2246 feet to a peak (elevation 8869 feet);

Thence southwesterly along the crest of the ridge approximately 2698 feet to a peak (elevation 8696 feet);

Thence southwesterly along the crest of the ridge approximately 2908 feet to a saddle which is approximately 500 feet northeast of a peak (elevation 8545 feet);

Thence descending west-northwesterly along the bottom of a drainage 1195 feet;

Thence S62°26'W, 217 feet to the bottom of a canyon;

Thence descending southerly along the bottom of the canyon approximately 7565 feet to its point of confluence with Rocky Canyon;

Thence descending west-southwesterly along the bottom of Rocky Canyon approximately 751 feet to the point where a major side drainage enters from the south;

Thence ascending southeasterly along the bottom of the side drainage 1487 feet;

Thence S36°39'W, approximately 584 feet to a point on the crest of the ridge which is approximately 620 feet northwest of a peak (elevation 7989 feet);

Thence S61°00'W, approximately 541 feet to the bottom of a drainage;

Thence descending southwesterly along the bottom of the drainage approximately 1442 feet to its confluence with another drainage;

Thence descending southwesterly along the bottom of the major drainage 2055 feet;

Thence S11°39'W, 908 feet;

Thence S27°12'E, 329 feet;

Thence S63°28'E, 501 feet;
Thence S73°20'E, 815 feet;
Thence S63°48'E, 193 feet;
Thence S27°38'E, 310 feet;
Thence S10°21'E, approximately 630 feet to the bottom of the drainage;
Thence S05°12'E, 1244 feet;
Thence S84°12'E, 277 feet;
Thence S36°40'E, approximately 205 feet to the bottom of Terry Canyon;
Thence S30°16'E, approximately 720 feet to the top of a peak (elevation 7523 feet);
Thence S35°39'E, approximately 1156 feet to the bottom of a canyon;
Thence northeasterly ascending the drainage bottom 251 feet;
Thence S55°53'E, 259 feet;
Thence N16°13'W, 202 feet;
Thence N74°43'E, approximately 914 feet along the crest of a ridge to a peak;
Thence S39°06'E, approximately 844 feet to a low peak;
Thence S58°57'E, approximately 619 feet to a peak (elevation 7633 feet) on the Continental Divide;
Thence south-southeasterly along the crest of the major ridge 3147 feet;
Thence N88°55'E, 6458 feet across Cooney Canyon and the Mimbres River;
Thence S59°24'E, approximately 1736 feet to the bottom of Heffner Canyon;
Thence ascending northeasterly along the bottom of Heffner Canyon approximately 1069 feet to the point where a sharp side canyon drains from the southeast;
Thence ascending southeasterly along the bottom of the major drainage approximately 2383 feet to the break in slope at the north edge of Hay Mesa;
Thence S73°41'E, 270 feet;
Thence S77°29'E, 725 feet;
Thence N88°21'E, 222 feet;
Thence N79°10'E, 665 feet;

Thence N81°47'E, 386 feet;

Thence N81°22'E, approximately 1536 feet to a low peak on the crest of a ridge;

Thence northeasterly along the crest of the ridge approximately 2303 feet to a peak (elevation 8094 feet);

Thence northeasterly along the crest of the major ridge approximately 5881 feet to a peak (elevation 8330 feet);

Thence east-northeasterly along the crest of the ridge 3256 feet;

Thence N57°17'E, 782 feet;

Thence S05°23'E, approximately 869 feet to the bottom of Powderhorn Canyon at the mouth of a major side drainage which drains from the southeast;

Thence ascending S00°17'W, 906 feet along the crest of a ridge;

Thence ascending the crest of the ridge approximately 978 feet to a peak (elevation 8707 feet);

Thence south-southeasterly along the crest of the ridge approximately 2523 feet to a peak (elevation 8909 feet);

Thence southeasterly along the crest of the ridge approximately 2202 feet to a peak (elevation 8961 feet);

Thence easterly along the crest of the major ridge approximately 4478 feet to a peak (elevation 9190 feet);

Thence easterly along the crest of the major ridge approximately 4546 feet to a peak (elevation 9779 feet);

Thence descending south-southeasterly along the crest of the ridge approximately 4337 feet to a low narrow peak on the ridge top;

Thence S19°43'E, 411 feet;

Thence S22°20'E, 232 feet;

Thence S12°30'W, approximately 402 feet to a drainage bottom;

Thence S02°59'W, 274 feet;

Thence S04°22'E, 379 feet;

Thence S17°19'E, 281 feet;

Thence S19°58'E, approximately 343 feet to a peak (elevation 9170 feet);

Thence ascending southeasterly along the crest of the major ridge approximately 3971 feet to a peak (elevation 9806 feet);

Thence S88°44'E, 413 feet;

Thence S58°32'E, 508 feet;

Thence S37°43'E, 345 feet;

Thence N67°08'E, 267 feet;

Thence S88°14'E, 260 feet;

Thence N76°07'E, 282 feet;

Thence N53°20'E, approximately 262 feet to a point which is 300 feet northeasterly from the centerline of the road near McKnight Cabin, and the beginning of a line which is designed to be parallel to and 300 feet from the centerline of the McKnight Road (an offset line);

Thence southeasterly along the offset line 15,075 feet to a saddle (the approximate bearings and distances of courses along the offset line are as follows:

S87°12'E, 242 feet,

S64°23'E, 329 feet,

S47°43'E, 814 feet,

S60°04'E, 596 feet,

S28°39'E, 619 feet,

S43°34'E, 583 feet,

S33°49'E, 524 feet,

S07°36'E, 383 feet,

S10°03'W, 492 feet,

S27°13'W, 537 feet,

S18°40'E, 353 feet,

S36°49'E, 537 feet,

S20°24'E, 414 feet,

S25°55'E, 296 feet,

S07°52'E, 454 feet,

S01°11'W, 327 feet,

S27°39'E, 296 feet,
S11°03'E, 499 feet,
S01°04'W, 970 feet,
S08°36'W, 565 feet,
S32°24'W, 400 feet,
S24°43'E, 521 feet,
S09°25'W, 218 feet,
S30°10'W, 359 feet,
S14°49'W, 363 feet,
S32°38'W, 420 feet,
S52°51'W, 373 feet,
S85°01'W, 317 feet,
N71°53'W, 519 feet,
S65°20'W, 386 feet,
S43°33'W, 339 feet,
S81°04'W, 1030 feet);

Thence southerly along the crest of the ridge approximately 513 feet to a peak (elevation 9317 feet);

Thence southeasterly along the crest of the ridge approximately 4912 feet to a peak;

Thence southeasterly along the crest of the ridge approximately 3091 feet to a peak;

Thence southeasterly along the crest of the major ridge 6198 feet;

Thence easterly along the crest of a spur ridge approximately 1862 feet through the saddle between Sids Prong and Gallinas Canyon to a peak;

Thence southerly along Crest of the Major ridge 3877 feet;

Thence southeasterly along the crest of the major ridge approximately 2410 feet to a peak;

Thence S30°23'E, 317 feet;

Thence S04°41'W, approximately 445 feet to a peak;

Thence N84°24'E, 391 feet;

Thence S46°20'E, 477 feet;

Thence S69°32'E, approximately 483 feet to a saddle;

Thence S51°11'E, approximately 435 feet to a peak;

Thence easterly along the crest of the ridge approximately 3494 feet through the saddle between Holden Prong and Railroad Canyon to the peak (elevation 9355 feet);

Thence southeasterly along the crest of the major ridge approximately 5656 feet to a peak;

Thence east-northeasterly along the crest of the major ridge approximately 2623 feet to a small narrow saddle;

Thence N19°30'W, 850 feet;

Thence N72°46'E, approximately 1050 feet to a point 300 feet north of the Hillsboro Peak Triangulation Station, the point of beginning of this description, containing 202,016 acres, more or less.

The described area has been plotted on a one inch equals one mile scale map which is attached and made a part of this description. All man made objects referenced in the descriptions are as they existed as of 12/19/80.