15-49

4-671

FIELD NOTES
GENERAL LAND OFFICE.

Americal Dec. 1901-

BOOK 1549 Field Motro 15-49 Of the resurrey of the Fronth Stundard Swallel Smith - Through-Hanges Mov. 19, 20 and 21 East. - Of the Tila und Sult Bird Base and Maridian Swriting of Armona, As surrayed by Philip Contran, W. S. Dafuty Swinger, Under his contract 1/0. 87, Dietro August 24, 1901. Swirey eninfelated October 28, 1901.

BOOK 1549 BOOK 15-19 Pridex. A. 20 J. 16.20 8. 31, 32, 33, 34, 35, 36 -16-14-12-10-17-4th Standard Farallel S. S. 20 S., R. 20 8. 31 32 38 34 35 36 - 32 129 124 122 120 -4 th Standard Parallel S. 1.20 J. 16.19 E. 31. 32 33 34 35 36 4 the Standard Parallel S. BOOK 1549

From Jornato surrys recently made by myself and other surryors, along the Fourth Standard Swallel South, though Plo 19, 20 and 21 E, I found that summer is out of limits in alinement and measwomants, therefore I find it we erssay for the proper prosention of my surveys under contract no. 87, dated Ingust has 1901 to versurry scriet stundard through 16 s 20 and 21, E, and part of Rig H Judry et 4th Standard South: Through R. 21 Cast 7
" 20 " 20
" 19 " 38 20 38

Cropway of the Smoth Showard Parallel South Swary commenced October 26, 1901. and executed with a N. V. E. Gurly light, mountain transit No. 4607. with Burts solar attachment. I'm instrument was a commend and tested on the time moridian at Incrom and found everet and was approved by the sungo general for anional. I begin at the standard cor of Spot 20 und 21 8, Tos 21 und 22 6, which is a stone, marked and witnessed, as described by the surryor general. In order to test the solar apparatus by comparing the cusults of observations on the sim made during a mound p no hours, with a time meridian determined by observations on Solaris I processed as follows: At 3.30 pm, local moun time, I set off 31°38

though Runga 21 East. on the latare 12° 28 Son the decl we find mouth the meridian this determined with the solar by a cross on a stone finnly sate in the ground, och I of the instrument.

At 455"a m, local maan kons,

Bobsens Volaris at water Elonga tron, in accordance with instructions in the manual, and mark the line thus astomimed by a tack durin in a nooden plug sat in the grunnel selvs M of my prosition! October 27, 1901. October 27, 1901. At 7 h 50 mm, & lay off the azimusth of Idaris 1026 to the east and mark the breek maridian thus determined by enting a small groove in the stone set last

BOOK 1549 Chains the Fronth Standard Sweethl South arring, un which the time meridia falls o's ins cast of the mark do termined by the solar At 9h 30, am, lmt, & set off 31038 on the latine, 12° +1 Don the deel are, and mark the maridian determined with the solve by a cross on the stour alrady set, 5 che A of my station. This mark falls are ins east of the time merichian Established by the Tolaris observation. The solar appravatus by from and a in observations defines prositions for that time meridian with sufficient creemary, thrufor Develude that the adjustments of the instrument an valisfactory. The mag, branny of the time meridian at 9 30 a she is 11 120 37 W the ongle thus

Unugh Kunge 21 East- Cuntimud. Chains determined, redward by the table, page 100, gives the mean mag. del. 12º 31 east From the standard evaboredescribed, West, on I boly see. 36. Over level and rolling land Though dinse undergrowth. Drynash, 30 lbs. wide, course S. Mastrily. Dry rush, so the wide, course S. 23.50 Masterly. Road to Tombotons, bras H. Easterly 39.40 and S. Westerly. Differencer between innusurements of 4000 cho, by two sats of chammen, is no lks., position of middle fromt By Mesat, 40.10 elis. By and set, 39.90 chis; the unan of which is Reservey of the Finith Standard Parullel Smith, Set a gramete stone, 18 x 10 x 6 ins, 12 ins. the ground, for standard & see eve, Turnsteed S.C. 7, 36 on M. Juer, and raise a mound of stone, a ft. base, 1 a ft. high, 11. of ear Octo impracticable. 44.07 Wood brus Northerly and Southerly. Difference between masurements of 65.15 Cho, by two sets of chammen, is to Cho; prosition of middle fromt, By 1st set, 65. 20 chs. By and sat 65.70 Cho; the mean of which is 65.15 Intersect & bdy of the San Juan old las Boginillas y Nogales Prinate Land Frant, at a wint from which the 27 mile corner monument of grant, brans 71. 1002 11. 15.65 Elm. olist. Sat agrumto stong 18 x 12 x 8 ins., 12 ins. in the ground, for standard closing eve. of brack see 36, marked C. C. on E,

Chains S. C. 36 on H., and S. J. D. B. V. N. on 11. facis; and raise a mound of stoney Eft busy in ft ligh, & of car. Pils -impracticable! Lound, level and rolling. Svil, grunlly und weky; oil and 4th rate. No timber; undergrowth, troota and mesquite. I honer across the grant on a blank Difference batmen massonments of 155.00 chs., by two sats of chummin, is So les; prosition of middle fromt By It sat, 155 weeks. By 2nd set, 154.90 chs; the man of 155.00 Intersect M. boy of the Sun Grand Chains the Smoth Standard Swallel South, de las Bignellas y Hogales Pinate Sand Grant at a frint from which the 222 mile come momment of grant brars Swoon'E, 71 lks. chist. data radiood frost, & ft. long, 4 mis. og, with marked stone, 24 mis, in the grunned, for standard closing cor. of fruel ore 34, marked C. C. on W. 8. 6. 8.3 4 on A., und 8 J. DL 13 VN on 6. fuers; dig futs, 24x 18 x 12 ms, enosnise on ruch line, M. W. and S. E. Oft, and Wof frost, I ft dist, und raise a mund of rurth 4 ft. base, & ft. high, The of evil Shance Fran The on S. boly. sec. 34. Over land and rolling land. Through scattering nesquite. Difference between measurements of

through Hange 21 East Continued. 19.85 chs, by two sets of chuminan, is a less position of middle fromt By 1st sat, 19.84 chs. By and set, 19. 86 chs; the mean of which is 19.85 At Atus fromt set a reduced frost, 3 fit long, 4 ins sql, with marked stone 24 ins. in the grunnd, for standard cor of sees, 33 and 34, murked S. C. J. 20 S. 16. 216. on 1. 8. 84 in E. und S33 on M. faces; with agroves in E. und The fact; dig fito 24 x 18 x 12 ins, erovanisa on rach line, E. and H., 3 ft., und H. of frost, I ft. dist; und rouse a mound of surth, 4ft. bur, 2ft. high Nof ev. bound, burl und rolling. Soil, gravelly, and and Brd rate No timber undergrowth scattering Besuny of the Sunth Standard Swalled South Chairs musquits. 1., on S. bdy see 33. Over land land. Enter dans I melingrowthy brais n. rustry und S. Westerly. Difference batman invasionements of 4 000 cho, by two sats of chainmen, is 8 les; prosition of middle froint By 1st 39.96 chs. By and sat, 40.04 chs; the man of which is Sat a radnumed frost, 3 ft. long, 4 sies. sq., with markered stone, 24 ins. in the gowind, for standard is see ever, marked 8. C 4 8 33 on M. face, dig pils 18 x 18 x 12 ins., E. und M. of frost, 3 ft. dist, und russ a mound of ruth, 3 a ft. bush, 12 ft high, M.

Unnigh Hunge 21 East, - Continued. Difference Catural ymusions ments of 8000 chs, by true sats of chammen, is in Ches; position of middle fromt By 1st set, 79.95 chs. By and set, 80.05 Cho, the man of which is 8 coo Sat a resolmed post, 3 ft ling, 4 ins. sq. with marked stone, 24 ins, in the grunned for standard ev. of over 32 und 33, marked S.C. J. 20 S, 16.21Eon 7. 8 33 on 6. and S 32 in M. faces, with & groves in E. und agrovers on M. faces, dig pito 24 x 18 x 121 ms, E. and M. 3 ft, and M. of frest, y ft. dist; and rouse amumel of rustly 4 ft. bases a ft. lingly, H. of cor. Land, but and gently rolling.

BOOK Muserry of the Sunth Standard Parallel South Soil, grunelly; and rate. No trinky makeymenth, suga, grassrund and mesquite. Dans margneth, 7000 cho. West, on S. bdy. sac. 32. Our rolling band. Through dense metergrowth. 20.90 Old mad, brans M. Westerly und S. Difference between measurements of 4000 chs, by two sats of chammen, is 4 line position of middle wint. 134 1et sat, 39.98 chr. By 2nd set, 40.02 cho; the rorun of Set a redimind frost, 3 ft, long, 4 ins. ogly suth marked stone, 24 ins. in the grunnel, for standard 4 see, every

BOOK. 1549

15

throng tounge at East. - Continued. muchand S.C. 7 832, in If face! dig frito 18 x 18 x 12 ins, 6 and M. of frost, 3 ft. dist, und raise a mound of routh, 3 & ft base, 1 & ft. high, 4. Difference batman masurements of 8 000 chs, by two outs of chammen, is 12 lhs, position of micidle fromt 134 1st Jet, 80.06 Chs. By 2nd sat, 79.94 chs; the man of which is 8 ovo Sat a redsmood frost, 3 ft. long, 4 ins. sq with marked stone, 24 ins. in the grunned for standard ev. of secs. 31 und 32, marked S.C. J. 20 S., R. 21 on 1. 8. 32 on 6, and S. 31 on M. Juers; with 4 growns in E. and & groves on W. faces, from which a

BOOK Hysning of the Sunth Standard Swellel South, mesquity, 5 ins cham, bours 1, 23 40 %, 92 lks. dist, marked S. 20 S., But, 8.32, 18.77 Amesquity, 6 ins. drain, brass 1/ 30°W; marked S.20 S., 16,21 8., S. 31, 13. 7. Tound, rolling. Soil, grantly; Ind rate. No Eniver molergrowth, ougr, grease wood and mesquite. Remse smolargrowth, 8000 Chs. 1/4 st, on S. bdy. see. 31. Over rulling land I hough arms undergrowth. Cantro of draw a cho. wide, conse H. Casterly. Defference batnean mous mante of 4000 cho, by trus sats of channel, is 12 lbs; prosition of middle hint

Through Kungs as East, Continued. By 1st sat, 39.94 chs. By 2nd sat, 40.06 cho; that moran of which is Set a reduced host, 3 ft. long, 4 ins. sy with marked stone, 24 ins. in the grund for stundend is sec. en, marked S.C. 4. J. 31 on M. face, my futo 18 x 18 x 12 ins, 6. and M. of frost, 3 ft. dist, and raise a mund of rarth, 32 ft, base, 2 ft. high n. of ev. Difference butum masurments of 80.00 chs., by two sats of chamman, is 12 lks; position of middle fromt By 1st set, 49.94 chs. By and set, 8006 chs; the main of which is Set a sundstona, 18 x 10 x6 ins., 12 ms. in the gonnood, for standard eve. of 3/10 20 S., Res. 20 and 21 E., markad

BOOK . Crowning of the South Standard Sarallel South S. C. in H., with 6 groves in H., E., and M. fuers, dig futs 30 x 24x 12 ins, enviouse in rach line, E. uno M., 4 ft., und H. of stone, 8 ft. dist. and raisen mound of routh, 5 ft. base, 22 ft. ligh, H. of ev. Land, rolling. Soil, grundly, and rate. Antimber; imarrametr, suga, gransamud and misquits. Danse undergranth, 80.00 chs. October 27, 1901. General Description. This line rum our bare, rolling and mountainous bond, Paket of this line trues through the dow I num de los Argentlas y

BOOK 1549 19 Chains 1, Cast Cost Concluded. Hogeles funite land grant. Spe 20 I, Mal & is break and rolling. and evered with undergrowth. Agnat portion of this Ip is covered by the Saw Jum de las Dogmillas y Hogeles grunt, Philip Conten M.S. Kafinty Surreyor

BOOK Crowney of the Simith Stundard Parallel Sunt October 28, 1901. At y has main, l mt, I sat off 31°38 on the lat. are; 13° Don the deel we und datemine a tome providian with the solar at the standar en, of Il 20 of 1620 and 216, as horstoful described, Armer Dram West, in S. buy sie 36. Our rolling land. Almongh driver undergrowth. 14.00 banker of draw; 3 elso wide, conver M. Grasterly. 52. 42 Hourd, brans 1. Easterly and I. Wroterly. Wiffrener between mauriment + of 40.00 che, by two sets of chammen. is 2 the position of middle proint By 1st set, 4001 chs. By Ind set 39.99 Cho, the rman of

Hongh Kungs 20 East. 4000 Out as red mod prot, 3 ft. long, 4 ins. sq. with marked stone at ins, in the ground, for standard & see eou, S.C. 4 Sobow I face dig futs 18 x 18 x 12 ins. 6, and M. of (wat oft dist, and raise a mound of routh, 3 a ft. base the ft. high, H. of sor. 46.00 Wish, 40 lks wide course 1. rusterly. Differences between imasuuments of 8000 clis, by two sats of chammen, is 6 the position of middle point By low set 80,03 cho. By and ort, 79.97 cho, The man of which is Set a rendervod prost, 3 ft long, 4 ins. syl, with marked stone, 24 ms. in the ground, for stundard ever of sees 35 und 86, marked d. C, Dao J, 1620 6, on M.

Congrey of the Funch Standard Farallel South 1 36 on 6, and I 35 on M. fuers, with 1 grove on & and 5 groves on the forest; dig fuite 24 x 18 x 12 ms, cross wise on rach ling 6, and M. 3 ft, and M. of host, & ft. dist, and raise nar mount of ruth 4 ft basy a ft. ligh, M. of col. Land but and rolling. Soil grandly; And and 3rd rate. lo timber sincergrowth sage troutal and misquite. Names undergrowth \$ 0.00 Chs. Wrot on S. bdy. sre. 35. Over level and rolling lund! Through classe molergrowth. Difference between Imrasurements of 40,00 Chs. by two sets of charmone, is 4 lits, position of middle fromit

23 Chains By 1st set, 40,02 chs,
18y 2nd set, 39.98 chs, the man of which 4000 Set a redwood post, 3 ft long, 4 ins. sq. with marked stone, at ins in the ground, for stundard 4 sec. ev. marked S. C. 4 S. 35 on M. face, dig frets 18 x 18 x 12 ris, 6 and W of Just, 3ft chot, and raise a runned of rarth 32 ft. basy 12 ft. high H. of con. 47.20 Old rough brans H. Westerly und S. Ousterly. Defference between measurements of 8000 ches, by two sets of chainmen is 14 they proction of middle fromt By 1 oct 79.93 chs. By and set 80,07 chs, the moran of Set a reduved frost, oft long, 4 ins sq.

BOOK Browney of the Sourth Standard Farallel South will murlered stone, at ins in the ground, for standard cov. of sees 34 and 35 mar ked S. C. I 20 S, 16 20 6 on 1. Soon & and S 34 on M. faces, with 2 groves on E und 4 grovers on M faces, dig Juto 24x18x12 ins crossuries on rach ling & and W. 3 ft, and Il of frost, 9 fit dist, and raise a mound of rurth 4 ft base, a ft high, It of cov. Lound, rolling and level. Svil, grantly, I not and 3rd rute. Notrinled, undergrowth, magnity troots und sage. Danor undergrowth 8000 Clis. West on S. bdy. see 34.

Chains Through chross undergrowth.

13.04 Middle of draw, 4 chs wide, course 11. 13.60 Dry wash, 10 lbs under course M. Tastrely, 20.50 Dry hash, 100 lks wide cower 4. Difference between measurements of 40,00 cho by two sets of chairman is 12 lbs, position of modele fromt By 12 vet 39.94 chs. By Long set, 4006 cho, the moun of which is Set a reduced post 3 ft long, 4 sies squ 4000 with marked stone 24 ins, in the ground for shundard To see evel, murked S.C. 7 S. 34 on M. faces, xlig July 18x18x 121, ries, 6, and W. of post, o ft dist, und raise a mound of rarthy

BOOK 1549 Burth Standard Faralle South 3 & ft. base 1 & ft. high, N. of ev. Dry much, from Britly draw 20 che under Enter Kirlly draw course Hortrerly. To rain draw, and asernd mrsa. 7 7. vo Joh of mesa, brurs M. Easterly und S. Westerly. Difference between measurements of 8000 chs, by two sets of chammen 1516 the position of middle fromt By 1st set 8008 Cho. By and set 19.92 chs, the man of which 8 000 Set a raduord post, 3 ft long, 4 ins see, with marked stone at ins, in the ground for standard, cov. of sees, 33 and 34 SC I 20 & 16 20 6, on M.

Chains Sound & und I 33 on M faces with 3 grooves on 6 and M faces dig fatto 24x18x12 un, crosswor on rach line, E, una 11.3 ft, und A. of frost, & ft dist, und ruise a pround of rarth, 4 ft. base, aft high H. of en. Eand truel and rolling, Soil grundly; and rate. No timber! undergrowth rursquity sage und bisota. Dansa undergrowth 8000 chs. West on S. bely. sac. 33. Over rolling Rund. Through dense undergrowth, Descend from misal Enter draw course M. Easterly. Lorara drow

BOOK Browny of the direth Standard Twealth South, Difference between measurements of 4 400 cho, by two sets of chammen, is 8 this position of models fromt by 18 set, 40,04 chs. By and set 39.96 che, the man of which is 4 000 Set a fine front 3 ft long, 4 ins squ, with marked stone, 24 ins in the ground, for standard of see evel, marked S. C. 433300 M. face, dig futo 18 x 18 x 12 ms, & and lo of frost, 3 It ft. dist, and raise a mount of earth 3 a ft base a ft high, n. of ev. Onter draw course Horthorly. Lorave draw Chaw, & chil wirds eversa M. rastarly, Ofference between mansurements of 8000 . Cho, by two sets of charmon, is 16 the. prosition of widdle fromt By 12 set, 79.92 che. 1 By and set 8008 hrs; The man of which

BOOK 1549 Chrongh Hunge 20 Exist- Continued. Set a grante o luna, 18x8x6 ins, 12 ins in the ground for standard co. of oses. 32 and 33, marked S. C. on Il, with 4 groves on E. and & groves on the faces, dig futo 24x18x12 ins. crosswar on ruch line, 6, and W. 3 ft. and I of show to fit dist, and rawall runned of rurth 4 ft base, a ft. high A. of ev. Land land, rolling and broken, Soil granly, and and 3rd water. No timber, undergrowth, troots and mesquit. Druss indergrowth, 80,00 chs. West, on S. Ody, sec. 32. Con level and broken land. Though donse undergrowth,

Merounegal the Showith Standard Sarallel Sunth Chains Draw, a che wide course 1. Eastrely. 33.00 Small adobe house brars 12 chs. W. 35.00 Guleh 10 Chs wide course Mortherly. Difference between invasurements of 40,00 Chs. by two sets of chainment is y lks. position of model fruit By 1st set, 4003 chs. By And set, 39.96 cho, the man of which is 4000 Set a grante stone 18 x 8 x 5 ms, 12 ins in the ground, for standard 4 see. en marked S. C 4 32 on M. face, dig facts 18 x 18 x 12 ins 6. and M. of frost, 3 ft dist, and raise a mound of earth 3 a ft base 12 ft high "M. of evi! 5000 Chaw a cho wide course 1. Easterly. 53,00 Ossernd from mesa! 6000 Outer Babocomari valley 14.50 Road, bras 1. Casterly and S. Westerly.

through Kangr ao East- Continued. Chains Differencerbaturm masurements of a 8000 chs, by two sets of chainmen, is 8 Chs, position of middle framt By 1st set 8004 chs. By Rud art 19.96 Chs, the mean of in brok is 8000 Set a resolved frost 3 ft long, & isis. sque with marked stone, 24 ms in the grunnd, for standard evel of sies 31 und 32, marked S. C. Jan 8 1 20 6, m. h. Ssk on 6, and Som W facustrith 5 grovers on E. and I grove on the faces; chig futo 24x18x12 ins, erosurve on each line, 6. and M. 3 ft., und M. of frost, 4 ft ast and ruise a mound of rarth, 4 ft base a for high H. of evil band rolling, brotern and briel

BOOK Horonory of the Frenth Standard Parallel South Soil, sandy und grantly: 1st and 3rd Mutumber midergrowth misquite tricta and sugr. Name undergrowth; 8000 chs. West on S. bily see 31. Over land land. Moved brars M. Easterly and S. Misterly.
Mir frage brars M. Easterly and S.
Westerly Westerly. Difference liturn measurements of 4000 chs. by two sets of charimen, is in this, prosition of model from By 1 1 say \$ 0.05 Chs. 139 Love set \$ 9.95 chs, the mean of which is Set a grante stone, 18 x10 x8 ms, 12 ms. in the grunned for standar is see cur marked S. C. 31 on M. face; dig fulls

though Kungs 20 Gast Gentsined. Chains 18x18x12 ins, E. and H. of stone, 8 ft dist, and raise a mound of rarth 32 ft base, 12 ft high, M. of evil 54.00 Jehoraph his from It. Venetinea, brais M. Westerly and S. Easterly. 55,00 relobe house, bran 2 chs. M. 56.40 Monachnea Station brang 4 che M. 56, 42 Bubocoman errek 20 Chs. wrote course 1. Easterly. 58.70 Win James brars M. Easterly and S. Westerly, 6000 Hradgmartin Salvon, brurs ich S. 63.90 Middle of single truck of the Anginal and Trw Mexico Bailroad, brans 7. 642 6, and S. 642 1P 64.85 Middle of such track bras 1.560 E. and S. 56° 11. Honse bours 4 che S. 16 oud, brans 1. Easterly und S. Westerly.

Heswary of the Smooth Standard Sarallel Smoth 66.00 Jun Gumblis grave, brans ich. M. 66.56 Talegraph ling brans 11.64 to 6. und Toran Bubocomari valley and useend Hond brans M. Westerly und S. Eastorly. Enter draw corner & Easterly. Difference between masuraments of 8 ovo che by two sets of chammen is 8 the proston of undelle fromt By 1 set 79.96 Chs. By 2 ma set, 8004 Chis the mount of Set a grante stone 18 x 10 x 8 ins, 12 ins in the ground for standard ever of I pis 20 S, 165 19 and 20 E, market S. C. on I., with 6 groves on H. E, und The facing chig fute 30 x 2 4 x 12 ing erosowing on such ling 6. and M. 4 ft, and M. of

BOOK 1549 Houngh Kunge to East - Cuntimed. Chains stone 8 ft dist and ruise a round of rarth, 5 ft busy 22 ft high 71. of Council level and rolling. Soil, sundy hum and gravelly. 1st, and and 3rd rate. Hatimber undergrowth, seattering mesquite Tannal Exceription. This him own over last, rolling and broken land through driver mesquite, sugar, and irsola undrignowthe I'm S 16 20 8, is trial and volling and everal inthe dense in dargrowth, The Balveoman willing traverses this If.

1549 BOOK Heswary of the Smutto Standard Rarallel South Harbrad statues of Herachuren and Brokeline of the Arizona and How Mexico Bailward, and ditrated in this She Part of this Divisewand by the Sun Pyracio chel Bubocomune land grant, Mrs and a number of sattlers lung in the Se Philip Conten

BOOK 1549 34 Smort Hunge to East- Correlated.

BOOK Cesarry of the Hunth Stembard Faralle Sout Chains West on S. bely. see. 36. Over level und rolling land Le rure draw evers I. Easterly. Hums house brars 10 chs. S. Enter dans misguite undergrowth, brurs northerly and Sunthirly. Difference between measurements of 4000 cho, by two sets of chamman, is 4 Chs. prostron of middle fromt 124 1st sit 39.98 chs. By and ort, 40.00 Chs. the man of which is 4 vor. Set algrante stone 18 x 10 x 6 ins, 12 ins. in the ground, for standard is see. evi, marked SV. 7 36 on M. face dig full 18x /8x 12 ms, E. and M. of shony 3 ft dist und raise a mound of surth, 3 a ft. basa 1 a ft. high, H. of ev. 49.00 bran druss misginto brans 1. Easterly.

BOOK 1549 Houngh Hunge 19 Gast. and S. Westerly. Nilfarmer between measurements of Soon che, by two sets of charman, is in les position of undel fromt By 12 set 79.94. Chs. By End set, 80,06 cho, the man of which is Set agrante stone 18 x10 x6 ins, 12 in in the ground, for standard con of sees 35 und 36, marked S. Con A. mitte I grow on E. and 5 grovers on M. faces dig futs 24 x 18 x 12 in crosswar on rach ling & and M. 3 ft and M. of Just, & ft. dist. and raise a mound of routh 4 ft. base 2 ft. high, H. of wor. Cound level and rolling. Soil gravelly; and nate. no timber, undergrowth, mesquite

Crowny of the Sunth Standard Swallel Sunth Drust undergrowth, 29.00 cho. October 28, 1901. Gameral Description. Mis line runs over lard and rolling land, though scattering mangente undergrowth I ha line Westerly from standard eve of 190 35 und 36, through 1619 E, runs through the Sun Panacio del Bulveomari bund grant. S/1 20 8, 16 19 6, is lard and mountamous. M.S. Defecty Surryor Kunga 19 East - Comelnand. Note: Pursunging the Fourth Standard Parallel South, Unough 16 s 19, 20 und 21 & I destroyed all the old courses I mus able to find.

List of Names. BOOK 1549

outour and a second A List of the Names of the Individuals employed by Suc U. S. Deputy Surveyor, to assist in running, measuring and marking the lines and corners described in the foregoing Field Notes of the survey of the 4th Stundard Caralles and 210 be the total war she to the head and the second s Maria de la Servicia de la companya of the Gila and Salt River Base and Meridian, in the Territory of Arizona, showing the respective capacities in which they acted. hn M. JraperChainman. simir Barthelemy Chainman. Mitchell Chainman. Trown Chainman. Axeman. Bresless Axeman. Flagman.

BOOK 1549 Final Oath of Assistants. We hereby certify that we assisted ... Shilly Jonalew U. S. Deputy Surveyor, in Me-surveying all those parts or portions of the Mandasof Carallel South through Rs 19 20 and 216 ast of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing field notes as having been surveyed by him and under his direction; and that said Survey has been in all respects, to the best of our knowledge and belief, well and faithfully surveyed, and the corner monuments established according to the instructions furnished by the United States Surveyor General for Arizona. Chainman. Chainman. ohn L. Mitchell chainman. Owen Brown Chainman. Williadler Axeman. COST 5 reslin Axeman. Sah Jour Flaoman. Sworn to and subscribed before me, this day of Movember, 1800 (hills (

no holary availab

Final Oath of U.S. Deputy Surveyor.

U. S. Deputy Surveyor, do solemnly swear that in pursuance of a contract received from Royal Johnson, United States Surveyor-General for Arizona, bearing date of the..... Chaquet 180/, I have well, faithfully, and truly, in my own proper person, and in strict conformity with the instructions furnished by the United States Surveyor-General for Arizona, the Manual of Surveying Instructions, and the laws of the United States, surveyed all those parts or portions of the Attanchard Carallel South Thron Ri19-20+216a of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing Field Notes as having been surveyed by

of the Gila and Salt River Base and Meridian, in the Territory of Arizona, as are represented in the foregoing Field Notes as having been surveyed by me and under my direction; and I do further solemnly swear that all the corners of said surveys have been established and perpetuated in strict accordance with the Manual of printed instructions, the special instructions of the United States Surveyor-General for Arizona, and in the specific

manner described in the field notes, and that the foregoing are the true Field Notes of such 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. U. S. Deputy Surveyor. Sworn to and subscribed before me this. the continuent outs the But and Mariellan, its Addition of the second of the second the the bies provide a the contract of the best of the contract of the free excellent to me of the training the state of the

APPROVAL.

OFFICE OF U. S. SUBVEYOR CHARGEAL,

Tucson, Arizona, Poby. 5, 1902.

Resurvey of 4th Standard Par. N., thro Rs. 19-20 721

executar by Philip Contger, Dep. Surfact No 87-dated Aug. 2419012 having been critically exemined, and the necessary corrections and explanations made, the said field notes and the surveys they describe, are hereby approved.

Mug LHCucs

U. S. Sarveyor General for Arizona