FIELD NOTES

OF THE SURVEY OF THE

RETRACEMENT	AND DEPENDI	ENT REST	JRVEY OF	THE OR	EGON AND	WASHINGTON
STATE B	OUNDARY FRO	OM 51 M	ILE 48 C	HAIN MO	NUMENT TO	46 MILE
MONUM	ENT, INDEPE	NDENT RI	SURVEY	OF THE	SOUTH BOU	NDARY,
DI	PENDENT RES	URVEY (F THE W	EST BOU	NDARY,	
		and	the			
SUBDIVISI	ONAL LINES	OF TOWNS	SHIP 6 N	IORTH, R	ANGE 39 E	AST
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In the State of	OREGO			that does that does does does does does does does the later does does does does do		the cold and the same was take the cold
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OTIS C). GOULD			TO BE	S. TRANSI	TIMAN
CHEST AND			IN SECU. SHARE SHARE MANUE MANUE SECU. SECU. SECU. SECU. MANUE AND EXTEN SECU. AND AND AND AND AND	the two two two two does not two two two two two two two two two t	State of the place of the state	More dates above water dates flavor relate frame relate states are related assets assets above placed above places are related appeals.
Under special instr	uctions dated	Anni				hich provided
for the surveys inci						
Commissioner of th	e General Lan	d Office	under da	te of	May 13,	1929
and assignment ins	tructions date	d Ma	у 19,		, 19. 32.	
Sur	vey commence	ed	Aug. 1		, 19	32.
Sur	vey completed	U. S. GOVERNMENT PRINTIN			, 19	32.

INDEX DIAGRAM.

		Towns	hip	6 Nort	h	g	Range		39 Eas	3 t .	NOT THE HEAD STATE STATE STATE STATE STATE STATE	
		6	5						2		1.	
Wile.			1. 60 Ch.	11.40Ch.			10	1.52ch.	11		12	
- 4 A		Orego,	3 4 5		Vashir, 48	gtor	7-41	105 d	7 te 13 3 3 3 3 3 3 4	Bou	ndary 29	Line
	17 21	54	5 5	47	46	40	40	34	33	28	27	
	17 20	19	5 3 20	45	21	39	22	32	23	26	24	
		52	5.		44		38		32		25	
	17 19	30	50 29	43	23	37	27	3/	26	24	28	
		50	4	9	43		36		30		23	
	17 17	81	28 35	42	88	35	34	29	35	22	36	
		16	14		13		/ <i>3</i> 6—15		//		10	

Retracements indexed in Red.

Resurveys indexed in Blue.

Original surveys indexed in Black.

The retracement and dependent resurvey of the Oregon and Washington state boundary through range 39 east, the retracement and resurvey of the west boundary, independent resurvey of the south boundary and subdivisional lines of fractional township 6 north, range 39 east, were executed with a Burt solar compass made by W. and L. E. Gurley, serial No. 20, U. S. G. S., constructed in accordance with the standard specifications of the General Land Office.

The horizontal circle has a diameter of 5\frac{3}{4} ins., with opposite double verniers reading to single minutes; the sight vanes have a length of 8 ins. and a spread of 14 ins. The instrument is equipped with a Burt solar attachment; radius of latitude arc 5.4 ins., and decl. arc 4\frac{3}{4} ins., each with verniers reading to single minutes.

The observations in camp; on Polaris for the establishment of the meridian; and the altitude observations on the sun on the meridian to verify the latitude and the reading of my watch, were executed with a light mountain solar -exe avevinetransit made by Buffeand, Buff, serial No. 9987, construct-. ded in accordance with the standard specifications of the General Land Office. The horizontal circle has a diameter of 42 inches, with two double opposite verniers reading to single minutes; the vertical circle has a diameter of 4 ins., with one double vernier reading to single minutes; the telescope has fixed stadia wires, ratio 1:132, with focal constant of 1.2 lks. The instrument is equipped with improved Smith solar attachment: radius of latitude arc 2½ ins., and of decl. arc 3½ ins., each with verniers reading to single minutes. The instruments were in good condition, having been placed in satisfactory ajustment prior to the beginning of the survey, and tested and found free from appreciable error, were approved by the district cadastral engineer on May 19, 1932. I examined all the instrumental adjustments before making the field tests hereinafter recorded of and to . and out list

The direction of all lines was determined by solar compass method. The measurements were made with a Lallie steel tape, 5 chs. in length, graduated every link for the first 100 lks., and the balance at intervals of 10 lks. The tape was tested by comparison with a Lufkin standard l ch. steel tape and found correct. The measurements were made on the slope, and the vertical angle of each interval was ascertained by a clinometer in good adjustment: the horizontal equivalents are entered in the field note record.

The data furnished with the special instructions gives the geographic position for the SW. cor. of T. 5 N., R. 39 E., as follows: latitude 45°52'N., and longitude 118°00'W. July 23, 1932, in camp located near the center of sec. 25, at 11h 35m 07s p. m., l.m.t., or 11h 26m 40s p. m. by my watch, which reads correct 120th meridian time as determined by radio signal I observe Polaris at eastern elongation, making two sights each with the telescope in direct and reversed positions, and place a tack at the mean point, on a peg driven firmly in the ground 10 chs. N. July 24, after sunrise, I lay off the azimuth of Polaris 1°31'44", and make a meridian mark on a second peg, 26. 68 lks. (17.61 ft.) to the west of the mean point in the line determined by the observation; I verify the angle by a vernier reading of the instrument.

In order to verify the latitude of this station and the reading of my watch. I make a meridian observation of the sun, first setting on the lower limb and noting the transit of the west limb, then after reversal of the instrument, setting on the upper limb and noting the transit of the east limb, as follows:

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Township 6 North, Range 39 East.

	T I	FORTIOITED O MOTOR DANGE 03 DASC.
6).	it, tase	Same, by reference to radio time signals and calculated difference in longitude 8m 27s.
io	eonil fa	Every 30 minutes from 6 to 10.30 a. m. and from 1.30 to 6 p. m., I make proper settings on the arcs of the
	Curley,	solar attachment and ascertain that the resulting orienta- tion of the instrument, when compared with the maridian
	noiw.	established by Polaris observation, has a maximum error less than 1'30". I repeat the tests of the arcs daily by noon observation
-1	of to be	and verify the meridional indications at frequent inter- vals throughout the survey. The observed magnetic declination is 21° 50° E.
	2001	interestation of setting the relation of the compact of the for the
i di	Chains	Resurvey of Part of the Oregon and Washington Boundary
. 0	uritanco di lo ax	"Dependent resurvey, reestablishment of the surveys executed by Daniel, G. Major, Astronomer and Surveyor, in 1864."
	guthaet	ereinrev efizoggo efoRetracementw , sedoni de lo
80	tunim el	From the 51 mile 48 ch. monument, on the Oregon and Wash- ington boundary.
	A DULLAN	West, retracing the Oregon and Washington boundary.
	1.13	Fall 2 lks. S. of the 4 sec. cor. of sec. 14, T. 6 N., R. 39 E., established under group No. 130, Washington.
Oì	41.13	Fall 77 lks. S. of the cor. of secs. 14 and 15, T. 6 N., R. 39 E., established under group No. 130, Washington.
	TRIOR	Fall 146 1ks. S. of the 50 mile 52 chain monument.
.9	ILTEI B	This line diseN.88,56 W., 978.91 chs. den assemble to trave because administration and constitution assemble.
The same	Tolks.	Promethe monumentle Cone good and Weshill of the 18 Fill any.
	MARCO TO	West, retracing the Oregon and Washington boundary.
D.I.	2.23	Fall 1 lk. S. of the 4 sec. cor. of sec. 15, T. 6 N., R. 39 E., established under group No. 130, Washington.
		Fall 14 1ks. S. of the cor. of secs. 15 and 16, T. 6 N., R. 39 E., established under group No. 130, Washington.
V.O	82.23	Fall 27 lks. S. of the 4 sec. cor. of sec. 16, T. 6 N., R. 39 E., established under group No. 130, Washington.
	T GOODE	Fall 39 lks. S. of the cor. of secs. 16 and 17, T. 6 N. R. 39 E., established under group No. 130, Washington.
4	155.17	Fall 50 lks. S. of the 48 mile 40 chain monument.
= (8 . 3	This line is N.89°49'W., 155.17 chs.
V	OI ACIB	From the vmonument, vreedo edt vd beninneteb enif
	bits It	West, retracing the Oregon and Washington boundary.
nto t	end. 3	Fall 2 lks. S. of the 4 sec. cor. of sec. 17, T. 6 N., R. 39 E., established under group No. 130, Washington.
	44.50	Fall 14 1ks. S. of the 47 mile 60 chain monument.
	18 10G e8	This line is N.89°49'W., 44.50 chs. vreado hash
		From the monument, oids wised to smid dodsw dash

U. S. GOVERNMENT PRINTING OFFICE: 1931

	.vrsbnijo	Resurvey of Part of the Oregon and Washington boundary.
Q.U	Chains	West, retracing the Oregon and Washington boundary.
* # ME	ib «ani	Fall 1 1k. S. of the cor. of secs. 17 and 18, T. 6 N., R. 39 E., established under group No. 130, Washington.
	42.56	Fall 14 1ks. S. of the # sec. cor. of sec. 18 T. 6 N. R.
	76.80	39 E., established under group No. 130, Washington. Find no trace of the old closing cor. of Tps. 6 N., Rs.
*	doidw mo	38 and 39 E., Oregon.
*		Fall 26 lks. S. of cor. of lots. 4 and 5 of sec. 18, T. 6 N., R. 39 E., established under group No. 130, Wash- ington.
	·102.66	Fall 33 lks. S. of the closing cor. of Tps. 6 N., Rs. 38 and 39 E.; established under group No. 130, Washington.
	134.86	Fall 43 lks. S. of the 46 mile monument.
	arroto	True line. We want to do not the first of the stand and the line.
De.	determin	Note: For retracement and resurvey of the Oregon and Washington boundary bet. the 54 mile 20 chain monument and the 51 mile 48 chain monument, see field notes of T. 6 N., R. 40 E., of this group.
		N.88°56'W., on a true line from the 51 mile 48 chain mon- ument. He bus .WI stsed , gainego valoot retal 06.87
	Total Control	Desc. 15 ft. over SW. slope, through timber and brush.
	18 il. 13	The 1 sec. cor. of sec. 14 only, established under group 130, Washington, which is an iron post, lin. diam., protruding 10 ins. above ground, with brass cap marked
	foldw mo	1931
	NY 13.0 S.	from which, as lodgepole pine, diam., bears W.84
		A. lodgepole pine, 9 ins. diam., bears N. 594°E., 182 lks. dist., marked 4 S 14 B T.
		A lodgepole pine, 10 ins. diam., bears N.75 W., 64 lks. dist., marked 1 S 14 B T.
* *		Continue to desc. 185 ft. over general W. slope.
*	. 186.90a	Round, Butter Trail, bears N. 35 W. Sand SE. A
	14.68	Milk Creek, 2 lks. wide, course S., from NE.; asc. 135 ft. over rolling SE. slope. som bas gaillor , basi . etsa bas ; valour , msol ybass , lick
	26.96	Point for the 4 secoros of sec. 14 only determined as
*		Continue to asc. 80 ft. over SE. slope.
	27.75	Trail, bearst NE. rand SW. surt 8 no W'84°88. M
	28.25	Enter opening, bears N. and S.
	34.55	Enter scattering timber, bears N. and S.

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TTRANCION O	Resurvey of Part of the Oregon and Washington Boundary.
Chains do thw mo	
	<u> </u>
* *	THE STAR STEED DOES STAR A STARS .
	A'fir, 14 ins. diam., bears N.69 E., 30 lks. dist., marked 4 S 18 B T.
	A fir, 12 ins. diam., bears N. 32 W., 40 lks. dist., marked & S.18 B T.
	Continue to desc. 360 ft. over broken NW. slope.
51.35	Enter grassy opening, bears N. and S.
57.65	Ridge, bears N.60°W., and S.60°E.; continue to desc. 100 ft. over broken SW. slope.
0.000	Point for the 4 sec. cor. of sec. 18 only, determined as hereinafter set forth.
ditiw.	Continue to desc. 355 ft. over broken SW. slope.
	Enter heavy timber and scattering undergrowth, bears NW. and SE.
	38 and 39 E., determined as hereinafter set forth.
	Thence over rolling bottom land.
* * 79.55 *	Creek, 10 lks. wide, course S.; asc. 75 ft. over SE. slope.
82.45	Spur, slopes SW.; desc. 5 ft. over SW. slope.
82.56	The cor. of lots 4 and 5 of sec. 18 only, established under group No. 130, Washington, which is an iron post, 1 in. diam., protruding 10 ins. above ground, with brass cap marked
	BALTI, Woo.M armed ,Smish .ani V ,xif A .5 4 W M .5 4 bearsm
Maegof	This monument stands 1881 summit of sour, which s
	. Level bas escaletanom basil
	A fir, 14 ins. diam., bears N. 70°E., 56 lks. dist., marked L 4 S 18 B T.
	A fir, 18 ins. diam., bears N.53°W., 35 lks. dist., marked L 5 S'18 B T.
	Continue to desc. 105 ft. over SW. slope.
86.95	Paradise Creek, 15 lks. wide, course N.35°W.; over bottom land.
89.85	Leave bottom land, bears NW. and SE.; asc. 265 ft. over broken NE. slope.
	The closing cor. of Tps. 6 N., Rs. 38 and 39 E.; on summit of spur, which slopes N.15°E. This cor. was established under group No. 130, Washington, and is an iron post, 3 ins. diam., protruding 12 ins. above ground, and in a mound of stone to top, with brass cap marked
	. equia .Wa revo .Ji 08T6Nash ; .2 asquis .rsq2 0002 R38E R39E S13 S18
	1931

		Donat of Donat of Had One on Cond World net on Donat Donat
	Chains	Resurvey of Part of the Oregon and Washington Boundary.
		from which
		A fir, 14 ins. diam., bears N.47°E., 31 lks. dist.,
	at a traver over	marked T 6 N R 39 E S 18 C C B T.
	cio iniw mo	
	· daib ·	A fir, 14 ins. diam., bears N.312°W., 36 lks. dist., marked T 6 N R 38 E S 13 C C B T.
4		Desc. 115 ft. over NW. slope. BHI ON , Wess. M arsed , .msib .ani Si , will A
		Asc. 205 ft. over broken NE. slope.
7		Spur, slopes N.; along broken N. slope.
	120.75	Spur, slopes N.20°W.; desc. 115 ft. over NW. slope.
0	of .oeep	of endianos; and S.60°E.; continue to
	124.80	Ravine, course N.; asc. 210 ft. over broken NE. slope.
	134.86	The 46 mile monument, on the Oregon and Washington bound-
		ary, which has been perpetuated under group No. 130, Washington, and now is an iron post, 3 ins. diam., set
	**	36 ins. in the original mound of stone to top, with
76	M arsed	or. 50. Enter heavy timber and scatt bearded .00.70 46 M .28 bns
gin co.		
* 371		73.98 Proportionate point for the closing cor. of Tps Se and 39 E., detgegned as hereinafter set f
		. busi modded smiller reve sener rom which
. 9q0	18 .CC T	A fir, 20 ins. diam. bears N.10°E., 56 lks. dist., marked 46 M W B T.
		A fir, 32 ins. diam., bears S. 26°E., 44 lks. dist.,
		datae marked 146 MeOnB T. bns & stol to . roo ent ac. S8
*	and drive	banca fir, d24 ins. Odiam bears S. 69W., 20 1ks. dist.,
		marked 46 M O B T. bearsm 980
		A fir, 7 ins. diam., bears N.5°W., 17 lks. dist.,
		marked 46 M W B T.
		This monument stands on summit of spur, which slopes N.
	do idiw mo	
		Soil, sandy loam, rocky; 3rd rate.
		Timber, fir, pine, spruce and tamarack.
	, dais.	Undergrowth, alder, vinemaple, Oregon grape, rose, sumac, cherry, mountain mahogany, mountain laurel, mountain
		ash and syringa. *I deliberted
		anate We make the ROLL cook of any thank
		Independent Resurvey of the South Bdy. of T. 6 N., R. 39 E.
mo	0000 19V	195, West Pared the Creek, 15 1ks, wide, course M. Abew.; o
	rara +9	"Independent resurvey, superseding the survey executed by Rufus S. Moore, U. S. Deputy Surveyor in 1882,". 8
		.egole. WE. elope.
	mus no;	Beginning at the cor. of Tps. 5 and 6 N., Rs. 39 and 40 E., in latitude 45?57'N.; and longitude 117°52'31 W.; as
bed	sildeses	described in T. 5 N. R. 40 E. of this group.
		oni na ai bna ,notanidas ,081 .oM'quorg rabhu ; bWest; betdasecs: ilandi36, borg , maib .ani &
		earned of stone to top, with bress cap marke
		Asc. 120 ft. over SE. slope, through timber and brush.
	5.00	Spur, slopes S.; desc. 80 ft. over SW. slope.
		818 818
		TCAT

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	Resurvey of the West Boundary of T. 6 N., R. 39 E.	201
	Mid point on the W. bdy. of sec. 19, later determined.	
	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for \(\frac{1}{4} \) sec. cor. of sec. 19 only, with brass cap marked.	
	. equit a vevo . It ocs . bash of emitted 1932	
to .TOO	anisofo end mort anintron ni .ano 00.04 thing from which .sees. 18 and 19, Jater determined.	
	A pine, 40 ins. diam., bears N.65°E., 450 Iks. dist., marked 4 S 19 Br. 1. 12 & Jacq normal de dist.,	
	A fir, 15 ins. diam., bears S.36°E., 169 lks. dist., marked & S 19 B T.	
	Continue to asc. 195 ft. over SW. slope.	
56.00	Ridge, bears N.50°W., and S.50°E.; desc. 640 ft. over broken NE. slope.	
	Proportionate point, .T & BI & & bearsm	
	Set an iron post, 3 ft. long, 2 ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone to top, for cor. of secs. 13 and 24 only, with brass cap marked	
*	marked Left reve coned; .W same Si3 R39E R39E	
	ta vishing of not midsew bis24 pero ent reservati 88.34 . Too midsele ent R38E S19 et sneitrog 1932	
	do and morfet an iron post, 5 ft. long, 8 ins. diam., 27 the ground, for closing cor. of Pps. 6 B., Re	
	A fir, 9 ins. diam., bears S.60°W., 21.1ks. dist., marked T 6 N R 38 E S 24 B T.	
	A fir, 6 ins. diam., bears N.74°W., 19 lks. dist., marked T 6 N R 38 E S 13 B T.	
	Continue to desc. 100 ft. over NE. slope.	
	Point for the closing cor. of secs. 18 and 19, determined as hereinafter set forth.	
*	Land, mountainous. 3 d a 8 d d d bears. Soil, rocky loam; 3rd rate.	
	Timber, fir, pine, spruce and tamarack. Undergrowth, huckleberry, salal, vinemaple, willow, alder.	
	mountain mahogany, mountain laurel, mountain ash, rose, syringa and fern.	
deid .eno	Fashington boundary, beers M.80°49'W., 60.88	
	N.4°15'W., on the W. bdy. of sec. 18.	
	Desc. 350 ft. over broken NE. slope, through timber and dense brush.	
그 얼마 나는 그리고 그 경험이 있는 것이 없는 그리고 있다면 하는데 그리고 있는데 그리고 있다면 하는데 되었다.	Spur, slopes NE.; continue to desc. 30 ft. over N. slope.	
	Proportionate point,	
	Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to solid rock, and in a mound of stone to top, for 4 sec. cor. of sec. 13 only, with brass cap marked	
	1, 2, 35, and 56, on the S. bdy. of the Tp., I before described. 1	
	W.0°01'W., bet. secgeps and 36.	

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d afo-k

	• 1 00 • 1	Resurvey of the West Boundary of T. 6 N., R. 39 E.
	Chains	from which state on the dr. of sec. 19, letter dete
	ALL * ON	A fir, 18 ins. diam., bears S.60°W., 117 lks. dist., marked & S 130B T. diag north as deal, vino el. 188 to 1800 . 188 to 1800 .
		A fir, 20 ins. diam., bears N.82°W., 126 lks. dist., marked 4 S 13 B T.
		Continue to desc. 250 ft. over N. slope.
1		A point 40.00 chs. in northing from the closing cor. of secs. 18 and 19, later determined.
		Set an iron post, 3 ft. Tlong, 1 in. diam., 27 ins. in the ground, for 4 sec. cor. of sec. 18 only, with brass cap marked 3.2 area
	10VO .	Continue to asc. 195 ft. over SW. slope. 1932 1932 1930 . Event idge, bears W. 50°W., and S. 50°E.; desc. 640 ft
		A fir, 10 ins. diam., bears N. 36°E., 15 lks. dist., marked 4 S 18 B T. Juliog adamoid accord 84.69
	of enots	A fir, 14 ins. diam., bears S. 45°E., 27 lks. dist., marked 4 S. 18 B.T. billow of boutous and
	TRO BEST	Continue to desc. 245 ft. over N. slope.
	45.10	Creek, 6 lks. wide, course W.; thence over flat.
	46.32	Intersect the Oregon and Washington boundary at the proportionate point for the closing cor.
		Set an iron post, 3 ft. long, 3 ins. diam., 27 ins. in the ground, for closing cor. of Tps. 6 N., Rs. 38 and 39 E., with brass cap marked and 2 mark
		A fir, 6 ins. E18 818 bears M. 74°W., 19 lks. marked T 6 398 R39E R 15 B T.
		Continue to deep. 1000t. ever NE. slope.
Ď9.	determin	doing for the closing cor. of sees. 18 and 19, as hereinafter set forth.
		A fir, 9 ins. diam., bears S.32°E., 11 lks. dist., marked T 6 N R 39 E S 13 C C B T basi
		A fir, 10 ins. diam., bears S.63.W., 33 1ks. dist., iw . marked T.6 N R 38 E S 18 C C B T. 33 1ks. dist.,
		Washington boundary, bears N.89.49 W., 60.88 chs. dist., previously described.
		Land, mountainous. Soil, sandy loam, rocky; 3rd rate. Timber, fir, pine, spruce and tamarack.
		Undergrowth, huckleberry, salal, willow, vinemaple, rose, mountain laurel, mountain mahogany, alder and Oregon grape.
	got of s	OS . Meib . Mi Subdivision of T. 6 N., R. 39 E.
The state of the s	ONTEM USE	I commence the subdivisional survey at the cor. of secs. 1, 2, 35, and 36, on the S. bdy. of the Tp., hereinbefore described.
		N.0°01'W., bet. secs. 35 and 36.

6-8155

. U. S. GOVERNMENT PRINTING OFFICE: 1931

Subdivision of T. 6 N., R. 39 E.

Chains

To complete the survey of sec. 18, I go to the closing cor. of Tps. 6 N., Rs. 38 and 39 E., and run tevisi affal affal edt to krot dinos edt to aretawbeed edt

S.89°49'E., along the Oregon and Washington boundary Located in one of the most becautiful snots i

40.00 chs. in departure west of the closing cor. of secs. review end mindin andol8. Insured sind to tree aretsew edf

Set an iron post, 3 ft. long, lin. diam., 27 ins. in the ground, for 1 sec. cor. of sec. 18 only, with brass cap .marked of Landidosit and to the design of

Tol. . The bols to sulev a sevia gidwanet edt to strag Ils. to equar a si eredl .noids#18018 oldengam msem edd anoitostata incos ni coi tevo

aired on bus ..dssN .silsN sflaW to whip end to beds

revo eggibser to redmun efdarebisace a le eleveva edf

1932

from which

A fir, 14 ins. diam., bears S. 37°E., 23 lks. dist. marked 1 S 18 B T.

A fir, 14 ins. diam., bears S. 59°W., 48 lks. dist. marked & S 18 B T.

FINAL TEST OF SOLAR ATTACHMENT.

Sept. 13, 1932: in camp located near the cor. of secs. 4, 5, 8, and 9, T. 5 N., R. 39 E., in latitude 45°56'N., longitude 117°57'30"W., at 7h 0m a.m., app. t., I set off 45°56'N., on the lat. arc; 3°47'N., on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 4h 0m p. m., app. t., I set off 45°56'N., on the lat. arc; 3°37'N., on the decl. arc; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

GENERAL DESCRIPTION.

Fractional township 6 north, range 39 east, is located entirely within the Umatilla National Forest. The general elevation of the township is about 5000 ft. above sea level; the summit of the main divide or along the Skyline Road is about 1,000 ft. higher. The elevation of the Round Butte Trail and of Paradise Ridge is about the same as along the Skyline Road. The northwest cor. of the township is set at an elevation of about 3,000 ft. above sea level and is the lowest elevation in the township. Most of this township is very rough and stony. The soil is of a sandy loam composition and in most parts is very rocky. The timber in most parts of this township is of a second growth veriety. Very few trees are found with a diameter of over 3 feet. In some places the trees even have a stunted look and it is doubtful if they will ever grow very large. This timber is all too far from market to have any commercial value at this time.

This township has no large streems but is well watered by many small streams in all parts. This township is located so near the highest part of the mountains that it drains in every direction.

The most important developement at the present time is the Skyline Road, extending NE. and SW., through the central part of this township. A new road is under construction that turns off the Skyline Road in sec. 28. loops through sec. 29, 32, and 31, and will eventually join a road in Mill Creek leading to Walla Walla, Wash. There are also several good trails; Round Butte Trail in the northesstern part, Paradise Ridge Trail, in the north* Township 6 North, Range 39 East.

central part, and a trail leading to the Price Guard Station in sec. 32.8 This Guard Station is located on the headwaters of the South Fork of the Walla Walla River in the southern part of sec. 32. Price Guarde Station is located in one of the most beautiful spots in the ses to . Blue Mountain Range . ew end rageb ni . and 00.01 or . c

The western part of this township comes within the water shed of the city of Walla Walla, Wash., and no one is allowed to enter without a permit. Several thousand head of sheep are grazed annually during the summer months in the eastern part of this fractional township.

The average of a considerable number of readings over all parts of the township gives a value of 21°45'E. for the mean magnetic declination. There is a range of over 10° in local attraction.

SERF

from which

A fir, le ins. diem., beers S. SreH., 25 lks. diet., *I A BI B - bearem

Afir, 14 ins. dism., bears 5.59°W., 48 lks. dist., MERKED TO BE E T.

FILMAL THEIR OF BOLLAR ATTACHMENT

some to too end teen bedepol queo ni :SERI El . doe? A. B. ende, T. b. N., H. 39 H., in letitude 45°56'N. longified 117°57'50'W., at The Om a.m., app. t., I ast off Ame : ors . Loob edd no . W'raes ; ors . dsf edd no . W'acea Porient the instrument with the solar; the line of signi--Tosdo Birsfol vd bedalldatae naibirem ent dithw seerns . MOIJST

ent no .. Il'adoch the dest. .t .ggs ..m .g no de da last, are; 3°37'H., on the decl. are; and repeat the test of the solar; the line of sight serees with the meridien . Moldavresdo elralos vo bedellosteo;

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4-680 (August, 1926)

FIELD ASSISTANTS.

NAMES.	CAPACITY. ,
	1st Chainman.
Richard Ganong	2nd Chainman.
Earl Gould	Cornerman.
Harold Gould	Axeman.
Norman Prendergast	Axeman.
Willis Powers	Axeman.
Glenn H. Johnson	2nd Chainman.
	Late Children and the mateur block male property, out I
	0 07

CERTIFICATE OF UNITED STATES SURVEYOR.

I, Otis O. Gould U. S. Transitman U. S. Transitman U. S. Surveyer, hereby certify upon honor that, in pursuance
of special instructions received from the District Cadastral Engineer forOregon.
bearing date of the 11th day of April , 1929, I have well, faithfully, and truly
in my own proper person, and in strict conformity with said instructions, the Manual of Surveying Instruc-
tions, and the laws of the United States, surveyed all those parts or portions of the retracement
and dependent resurvey of part of the Oregon and Washington
boundary, the independent resurvey of the south boundary, the
dependent resurvey of the west boundary and the subdivisional
lines of township 6 north, range 39 east.
of the
Willamette Meridian, in the State of Oregon, which are represented in
the foregoing field notes as having been executed by me, and under my direction; and that all the corners of
said survey have been established and perpetuated in strict accordance with the Manual of Surveying Instruc-
tions, and the special written instructions of the District Cadastral Engineer forOregon
and in the specific manner described in the field notes, and that the foregoing are the original field notes of
such survey.
Portland, Ore. Mar. 15, 1933.
APPROVAL.
Office of U. S. Supervisor of Surveys,
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U. S. Supervisor of Surveys.