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 day, and made and their state that their state was more and some about what had been about only with which their delivery differ.
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CHEST AND			IN SECU. SHARE SHARE MANUE MANUE SHARE STATE STATE SHARE WHICH ANNOUNCE AND EASTER MANUE MANUE AND MANUE AND	the two two two was don one two two one one was used done to also done to any	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 our 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:

Township 6 North, Range 39 East.

	T I	FORTIOITED O MOTOR DANGE 05 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
	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	iffeT s	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 Mile of the Cone of the best and as we east end.
	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. viesdo heem
		From the monument, oids wised to smid dodsw dash

U. S. GOVERNMENT PRINTING OFFICE: 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 .osep	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 deliged bearsm
		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

	Chains	Independent Resurvey of the South Boundary of T. 6 N. R. 39 E.
		Ravine, course. S.; asc. 85 ft. over SE., slope.
	13.30	Spur, slopes S.; desc. 810 ft. over SW. slope.
	32.55	Shoofly Creek, 5 lks. wide, course S., from NW.; asc. 110
	40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 4 sec. cor., with brass cap marked
	, holdwino	SSP 1 S36 4 S 1
	* *	anif VS Wosf. Mersed 1932 . ani Sf , rit A T & & & & & & from which,
		marked \(\frac{1}{4}\) S. 36 B.T. bears, N. 35 W., 49 lks. dist.,
	, boundt	acos Acfir, 30 ins. diam., bears S.21 E., 56 lks. dist., eyedmarked 4xSx1 B. T. of a flassed a at doidw
		At a point record distance west of the original cor. of Tps. 5 and 6 N., Rs. 39 and 40 E., find no trace of the
	32.TBM 90	Continue to asc. 710 ft. over SE. slope.
	67.10	Ridge, bears N. and S.; desc. 260 ft. over W. slope, eqslope changes to SW. ose; W. same and some and some and some states.
		Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 1, 2, 35, and 36, with
		T6NR39E .ego[8 .A2 S35 S36
		80.00 Set an iron posj. 2/2. long, 2 ins. dism., 27 ground, for corncyf secs. 2, 3, 54, and 55, w 1932 marked 2501
		A fir, 36 ins. diam., bears N.33°E., 75 lks. dist., marked T 6 N R 39 E S 36 B T.
		A fir, 20 ins. diam., bears S.65°E., 18 lks. dist., marked T 5 N R 39 E S 1 B T.
	* * * * * * * * * * * * * * * * * * * *	A fir, 830 ins. diam., ibears S.32.W., 87 lks. dist., marked T.50N R 39 E S 2 B T. bears 30.
	· * TRID *	A fir, 18 ins. diam., bears N.75 W., 5 lks. dist., marked T 6 N R 39 E S 35 B T.
		From this cor. the original cor. of secs. 1, 2, 35 and 36, which is a basalt stone, 10x10x5 ins. above ground, firmly set, marked and witnessed as described in the
*		I destroy this old cor. and obliterate the marks on the
	bessedi	From this cor. the original cores sand more on and sand w
		Land, mountainous minimo edd ni bediroseb es Soil, sandy loam, rocky; 3rd rate b .axi 678 Timber, fir, pine, spruce, yew and tamarack.
	BRISE OF	Undergrowth, alder, huckleberry, vinemaple, salal, syringa, mountain balm, mountain ash, buck brush, mountain ash, willow, fern, Oregon grape and rose.
		West, bet. 2 and 35 as , soig , rif , redmil
	*ULOJ PUB	Desc. 5 ft. over SW. slope, through timber and brush.

CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE

	Tradanana onto Paguraro and after a contra pagura base milita in a com
Chains	
	West, bet. secs. 3 and 134, 886 ; . 8 880018 , Tuge Co.
	Along broken S. slope, through timber and dense brush.
11.60 [8008T2	Asc. 255 ft. over SE. slope. Tevo .11 00 .088 of sunitace ; .28 segois , Tuge 00.75
	Small spur, slopes S.; desc. 10 ft. over SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for \(\frac{1}{4} \) sec. cor., with brass cap marked
	i 31maib .ni [.gnol4.3138 .taoq nori na te8 00.04 enota to solid rock, and in a mound of atone bear as eas cap marked
	from which,
	A fir, 38 ins. diam., bears N.60°W., 16 lks. dist., marked 4 S 34 B T.
	A spruce, 14 ins. diam., bears S.10°E., 51 lks. dist., marked 4 S 3 B T.
	At a point record distance West of the original cor. of secs. 2, 3, 34, and 35, find no trace of the original a sec. cor. of secs. 3 and 34.
	Continue to desc. 50 ft. over SW. slope.
9.144.50	Creek, 2 1ks. wide, course S. iasc. 425 ft. Wover broken
· Note and · Marie	Trees, as deserthed the calle . agent
20.001	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, and in a mound of stone to top, for cor. of secs. 3, 4, 33, and 34, with brass cap marked
	.egola .W revo .ft 088 833 834 .8 segola , ruga 88.74
	S1.50 Dry creek bed, 8 NcT. wide, course S. 1932
Tevo.th C	doing mort branch, 2 Las. wide, course SE.; asc. 58
SILSW DES SI	A fir, 7 ins. diam., bears N.17°E., 21 lks. dist., marked T 6 N R 39 E S 34 B T.
mi , and	A fir, 4 ins. diam., bears S. 56°E. 10 lks. dist., marked B T. 3001 bilos of bonong and
	A fir, 6 ins. dram., bears S.20 W. 22 lks. dist.,
	marked T 5 N R 39 E S 4 B T.
	A fir, 8 ins. diam., bears N.43°W., 52 lks. dist., marked T 6 N R 39 E S 33 B T.
oom which	The original cor. of secs. 3, 4, 33, and 34, which is the original stone, marked and witnessed as described in
	the official record, bears N.69°W., 688 lks. dist. I destroy all evidence of this old cor.
	Land, mountainous. Soil, sandy loam, rocky; 3rd rate.
*821	Timber, fir, pine, spruce and tamarack. Undergrowth, alder, vinemaple, willow, huckleberry, rose,
, tell.	mountain laurel, mountain ash, Oregon grape, fern, buck brush and thimble berry.
	West, Met. Secs. 2d4 and 133. ani Of . ecurga A. T & & & & & & & & & & & & & & & & & &
Januarine 35,	Asc. 155 ft. over SE. slope, through timber and brush. d. A. 2008 to . 100 fanigiro end . 100 sind mora fanigiro end mora benimiente de taio a si doidw
	6218—6

	Tradanana onto Paguraro and after a contra pagura base milita in a com
Chains	
	West, bet. secs. 3 and 134, 886 ; . 8 880018 , Tuge Co.
	Along broken S. slope, through timber and dense brush.
11.60 [8008T2	Asc. 255 ft. over SE. slope. Tevo .11 00 .088 of sunitace ; .28 segois , Tuge 00.75
	Small spur, slopes S.; desc. 10 ft. over SW. slope.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for \(\frac{1}{4} \) sec. cor., with brass cap marked
	i 31maib .ni [.gnol4.3138 .taoq nori na te8 00.04 enota to solid rock, and in a mound of atone bear as eas cap marked
	from which,
	A fir, 38 ins. diam., bears N.60°W., 16 lks. dist., marked 4 S 34 B T.
	A spruce, 14 ins. diam., bears S.10°E., 51 lks. dist., marked 4 S 3 B T.
	At a point record distance West of the original cor. of secs. 2, 3, 34, and 35, find no trace of the original a sec. cor. of secs. 3 and 34.
	Continue to desc. 50 ft. over SW. slope.
9.144.50	Creek, 2 1ks. wide, course S. iasc. 425 ft. Wover broken
· Note and · Marie	Trees, as deserthed the calle . agent
20.001	Set an iron post, 3 ft. long, 2 ins. diam., 20 ins. in the ground to solid rock, and in a mound of stone to top, for cor. of secs. 3, 4, 33, and 34, with brass cap marked
	.egola .W revo .ft 088 833 834 .8 segola , ruga 88.74
	S1.50 Dry creek bed, 8 NcT. wide, course S. 1932
Tevo.th C	doing mort branch, 2 Las. wide, course SE.; asc. 58
SILSW DES SI	A fir, 7 ins. diam., bears N.17°E., 21 lks. dist., marked T 6 N R 39 E S 34 B T.
mi , and	A fir, 4 ins. diam., bears S. 56°E. 10 lks. dist., marked B T. 3001 bilos of bonong and
	A fir, 6 ins. dram., bears S.20 W. 22 lks. dist.,
	marked T 5 N R 39 E S 4 B T.
	A fir, 8 ins. diam., bears N.43°W., 52 lks. dist., marked T 6 N R 39 E S 33 B T.
oom which	The original cor. of secs. 3, 4, 33, and 34, which is the original stone, marked and witnessed as described in
	the official record, bears N.69°W., 688 lks. dist. I destroy all evidence of this old cor.
	Land, mountainous. Soil, sandy loam, rocky; 3rd rate.
*821	Timber, fir, pine, spruce and tamarack. Undergrowth, alder, vinemaple, willow, huckleberry, rose,
, tell.	mountain laurel, mountain ash, Oregon grape, fern, buck brush and thimble berry.
	West, Met. Secs. 2d4 and 133. ani Of . ecurga A. T & & & & & & & & & & & & & & & & & &
Januarine 35,	Asc. 155 ft. over SE. slope, through timber and brush. d. A. 2008 to . 100 fanigiro end . 100 sind mora fanigiro end mora benimiente de taio a si doidw
	6218—6

Chains	Independent Resurvey of the South Bdy. of T. 6 N. R. 39 E.
	Spur, slopes S.; desc. 130 ft. over SW. slope.
13.45	Dry creek bed, 2 lks. wide, course S.; asc. 470 ft. over broken SE. slope.
27.50	Spur, slopes SE.; continue to asc. 90 ft. over gradual SE. slope. 12 01 .0800; a segois , aggs 118m2 03.88
36.75	Spur, slopes S.; desc. 60 ft. over SW. slope 8 00.04
39.65	Ravine, course S.; asc. 10 ft. over SE. slope.
	Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to solid rock, and in a mound of stone to top, for 4 sec. cor., with brass cap marked
* No idw mo	933
	A fir, 58 ins. 418. bears N.60°W., 16 lks marked a Sasager: 1932
	fd Hell a sprace, la ins. dism., bears 5.10°H., Marked B B B T 14 inc. dism.
10.700	A fir, 14 ins. diam., bears N.71°E., 61 lks. dist., marked & S.33 B.T. Jain broose Jain 3 JA
	A fir, 46 ins. diam., bears S.68W., 24 lks. dist., marked \(\frac{1}{4} \) S 4 B T.
	From this cor. the original & sec. cor. of secs. 4 and 33, which is a point determined from the original bearing
	trees, as described in official record, bears N. 74°34'W.
tone to	I destroy this old cor. by obliterating the scribe marks on the old bearing trees.
88816	Continue to asc. 235 ft. over SE. slope. 380
47.35	Spur, slopes S.; desc. 520 ft. over W. slope.
61.50	Dry creek bed, 8 lks. wide, course S.
	Spring branch, 2 lks. wide, course SE.; asc. 585 ft. over E. slope.
	Ridge, bears N. and S., divide between the Wenaha and Walla Walla Rivers.
*80.00	Set an fron post, 3 ft. long, 2 ins. diam., 10 ins. in the ground to solid rock, and in a mound of stone to
• • 7815	marked T6NR39E
	. SAI SG . Wess M. Arsed . S32 S33 at 8 . Til A T E SS E E S 5 S 4 T beatsm
od ai not	The original cor. Seess. 5, 4, 55, and 54, but
at bedt	reaeb as bessendiw bus bestsem, enote Lantatro from which
	A fir, 18 ins. diam., bears N.54 E., 183 lks. dist., marked T 6 N R 39 E S 33 B T.
· OROT * TT	A spruce, 18 ins. diam., bears S.55½°E., 160 lks. dist., marked T.5 N R 39 E S 4 B T.
	A fir, 24 ins. diam., bears S.81. W., 950lks. dist., marked T 5 N R 39 E S 5 B T.
	A spruce, 10 ins. diam., bears N.63 W., 161 1ks. dist., marked T 6 N R 39 E S 32 B T.
*Maurd	From this cor. the original cor. of secs. 4, 5, 32 and 33, which is a point determined from the original bearing
	U. S. GOVERNMENT PRINTING OFFICE: 1931 6—8155

6—8155

In	dependent Resurvey of the South Bdy. of T. 6 N., R. 39 E.
Chains	trees as described in the official record, bears N.76° 06'W., 9.12 chs. dist.
	I destroy this old cor. by obliterating the scribe marks on the old bearing trees.
	Land, mountainous. Soil, sandy loam, rocky, 3rd rate. Timber, fir, pine, spruce, tamarack and yew.
	Undergrowth, salal, alder, vinemaple, huckleberry, fern, syringa, nettles, mountain mahogany, Oregon grape, mountain ash, mountain laurel and buck brush.
	West, bet. Secs. 5 and 32.
	Desc. 705 ft. over W. slope, through timber and brush.
	Skyline Road, bears N. and S.
4.40	Telephone line, bears N. and S.
5.30	Telephone line, bears SE., and NW. to Price Guard Station.
29.20	Spring, bears S., 35 lks. dist.
ATOT ROLL	South Fork of the Walla Walla River, 6 lks. wide, course S.; asc. 85 ft. over gradual E. slope.
37.08	Trail, bears Narand S. bus vassons niet non
38.00	Price Guard Station, bears N. about 8.00 chs. dist.
40.00	Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to solid rock, and in a mound of stone to top, for \(\frac{1}{4} \) sec. cor., with brass cap marked.
	bis Wereed more out the S32 bons won bear well on. The same of the
	A fir, 8 ins. diam., bears N.8°W., 14 lks. dist.,
	marked 4 S 32 B T. A fir, 18 ins. diam., bears S.30°E., 34 lks. dist., marked 4 S 5 B T.
	At a noint record distance west of the original cor of
	Continue to asc. 210 ft. over gradual E. slope.
49.05	Telephone line, bears NE. and SW.
50.15	Trail, bears NE. and SW.
53.00	Top of ascent, bears N. and S.; thence over rolling land.
62.50	Asc. 145 ft. over gradual E. slope.
74.45	Trail, bears NW. and SE.
	Top of ascent, bears N. and S.; thence over rolling land.
80.00	Set an iron post, 3 ft. long, 2 ins. diam., 27 ins. in the ground, for cor. of secs. 5, 6, 31, and 32, with brass cap marked

Independent Resurvey of the South Bdy, of T. 6 N., R. 39 E. Chains 37. Ensed , broost isicil T6NR39Ett beditseed as asent tenisate S 6 S 5 exists odd soe end antieretiider. word end vortaen I 1982 eart animaed blo edt no from which . EUOULESJAUOM . DAOL A fir, 12 ins. diam., bears N. 28°E., 18 lks. dist., marked T 6 N R 39 E S 32 B T. Undergrowth, salder, vinemeple, buckleberry, fern, Afir, 12 ins. diam., bears S. 39°E., 53 lks. dist., marked T 5 N R 39 E S 5 B T. Afir, 8 ins. diam., bears S.82°W., 49 lks. dist., marked T 5 N R 39 E S 6 B T. A fir, 14 ins. diam., bears N. 629W., 40 lks. dist., marked T 6 N R 39 E S 31 B T. . S. DES . 1 STSOO . DOODS OFFIXED OF. 6 From this cor. the original cor. of secs. 5, 6, 31, and 32, which is a point determined by the original bearing trees, as described in the official record, bears N.75°30°W., 719 lks. dist. I destroy this old cor. by obliterating the scribe marks on old bearing trees. Soil, sandy loam, rocky; 3rd rate. Timber, fir, pine, spruce and tamarack. Undergrowth, alder, huckleberry, vinemaple, willow, fern, Oregon grape, salal, mountain laurel, mountain ash, mountain mahogany and buck brush. West, bet. secs. 6 and 31. ed, of set on iron post, bit. long, lin. diem., bins. to the Asc. 170 ft. over gradual E. slope, through timber and brush. Tell deo sasad dilw . Too . oes d tot New road, now under construction, bears N. and S. 7.30 Ridge, bears NE. and SW.; desc. 115 ft. over NW. slope. 17.80 24.62 Intersect the West Bdy. of T. 6 N., R. 39 E., projected South, 1.95 chs. dist., from old cor. of Tps. 6 N., Rs. 38 and 39 E. hereinafter described. At point of intersection. Set an iron post, 3 ft. long, 3 ins. diam., 12 ins. in the ground to solid rock, and in a mound of stone to top, for cor. of T. 6 N., R. 39 E. only, with brass Legino cap marked .sc bas c .soes to .roo .oes t equie .a laubara reve .ft T6N ass of sunitaco WE bas . Towns9E entlementer 80.02 . FS.6 . We are defined discoult discoult 53. Asidwigot ascent, beers W. and S.; thence over rolling land. A spruce, 6 ins. diam., bears N. 7ºE., 77 lks. dist., marked T 6 N R 39 E S 31 B T. A fir, 12 ins. diam., bears N.52°E., 61 lks. dist., dasi and low remarked T.6 NeR 39 E S 31 B T. mesons to got oc. av Soil, sandy loam, rocky; 3rd rate. Land, mountainous. 00,08 Timber, fir, pine, spruce, and tamarack. Undergrowth, huckleberry, salal, vinemaple, cherry, alder, mountain mahogany, Oregon grape and syringa.

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 affall affor of the South Fork of the Affalla Miner

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 sind to trad undisse ont

Tol. . The bols to sulev a sevia gidwanet edt to strag Ils. to equar a si eredl .noids#18018 oldengam maem 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 roo end teen bedepol queo ni :SEQI .El .tge? 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 . tsf 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 est the dest. .. ags .. m . and no de da last, are; 3°37'H., on the decl. are; and repeat the test of the solar; the line of sight sarees with the meridien . Moldavresdo elralos vo bedellosteo;

. MOTISIASSEC TARRIES

Fractional township 6 north, range 39 east, is loveted entirely within the Umentille Metionel Porest. The sens rses evode . It 0000 twods at gidsowor edt to holtsvele is level; the cumuit of the main divide or along the Slaveline Road is about 1,000 ft. nigher. The elevation of the embe end drods at exhift emibers! to bus list! eddud busoff eas 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 foreles. flos edl' . vicota bus dispor view at gidenwot eint to daoil grev ai attag taom ni bna moitiacqueo maoi yhnaa a to ai rooky. The timber in most parts or this boundit off. a second growth veriety. Very few trees are found with neve seerd ent seesig emea al . Jeet & reve to retemail a have a stanted look and it is doubtful if they will ever delign mort tet oot fie ei tedmid ein? .egref grev worg . emit wind to enfav [sioremmoo vns evad ot This township has no large streems but is well watered by many email etreams in all parts. This township is

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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 <u>llth</u> day of <u>April</u> , 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.