

# RECORD OF SURVEY

NO. 35 - 13

## HISTORY OF SURVEYS:

THE MT. DIABLO BASELINE WAS ESTABLISHED IN RANGES 29 & 30 EAST IN 1855 BY A. W. VON SCHMIDT. IN 1857 VON SCHMIDT SUBDIVIDED T. 1 N., R. 30 E. S. A. HANSON INDEPENDENTLY RESURVEYED THE BASELINE IN R. 29 E. IN 1879. HE BEGAN HIS SURVEY AT VON SCHMIDT'S TOWNSHIP CORNER BETWEEN RANGES 29 & 30 EAST. HANSON THEN WENT ON TO SUBDIVIDE T. 1 S., R. 29 E. IN 1923 G. F. SAWYER RETRACED THE BASELINE IN R. 29 E. AND SUBDIVIDED T. 1 N., R. 29 E.

## SURVEYOR'S NOTES:

A COMPARISON OF THE MEASURED FIELD DATA ON SHEETS 4, 5, & 6, THE G.L.O. FIELD NOTES AND A TOPOGRAPHIC MAP WILL SHOW THAT IN SECTIONS 10, 11, 12 & 1 HANSON MAINTAINED REASONABLE ALIGNMENT AND MEASUREMENT IN AN AREA OF ADVERSE TERRAIN. IN 1923 WHEN SAWYER RECOVERED HANSON'S STANDARD AND CLOSING CORNERS ON THE BASELINE, NONE VARIED MORE THAN 10 LINKS FROM THE RECORD FALLING, EXCEPT AT THE CLOSING CORNER FOR SECTIONS 1 & 2. HERE SAWYER FOUND A DISCREPANCY OF 1.53 CH. AT THIS LOCATION SAWYER FOUND AND ACCEPTED EVIDENCE OF BOTH THE CLOSING AND STANDARD CORNERS.

I HAVE RECOVERED ALL 4 OF THE RECORD BT'S FOR THIS CLOSING CORNER AND RESET THE MONUMENT BASED ON A BEST FIT FOR DISTANCES, WHICH IS IN CLOSE AGREEMENT WITH THE RECORD. THERE IS NON-RECORD EVIDENCE OF SURVEY ACTIVITY JUST WEST AND SLIGHTLY SOUTH OF THIS POSITION. THE RECORD CLOSING CORNER IS WITHIN SIGHT OF THE EVIDENCE ACCEPTED BY SAWYER FOR THE STANDARD CORNER. IN LIGHT OF THE QUALITY OF HANSON'S OTHER WORK IN THE AREA, IT APPEARS IMPROBABLE THAT HE WOULD HAVE SO GREATLY ERRED IN THE DISTANCE AND FALLING TO HIS OWN MONUMENT.

IN 1923 SAWYER MONUMENTED THE TOWNSHIP CORNER BETWEEN RANGES 29 & 30 EAST. AT THIS POSITION HE CLAIMED TO HAVE FOUND VON SCHMIDT'S MONUMENT. I HAVE EXAMINED THE PORTION OF THIS POST WHICH HAS SURVIVED. IT IS STILL SOUND AND DOES NOT APPEAR TO HAVE SPENT 140 YEARS SUBSURFACE. IT IS NOT OF THE SAME CHARACTER AS THE REMAINS OF THE ORIGINAL MONUMENT WHICH CAN BE SEEN AT THE STANDARD CORNER FOR SECTIONS 31 & 32, T. 1 N., R. 30 E., APPROXIMATELY 1 MILE EAST. WHEN VON SCHMIDT SET THE TOWNSHIP CORNER HE RECORDED A SERIES OF DEFINATE TOPO CALLS FOR THE LAST MILE OF RANGE 29 EAST. THESE ARE DEPICTED ON SHEET 3, TOGETHER WITH THE MEASURED DISTANCES TO FD. EVIDENCE. THE ACCURACY OF THESE TOPO CALLS IN THE ADVERSE TERRAIN OF SEC. 36 WOULD APPEAR TO CONTRADICT THE "SHORT" MILE IN SEC. 31, WHICH IS OPEN, LEVEL TERRAIN.

IN THE AREA OF THIS SURVEY THERE ARE INDICATIONS OF A PRIOR PRIVATE RETRACEMENT. NON RECORD MOUNDS OF STONES, A STONE REPLACING THE RECORD STAKE, INTERIOR FENCELINES IN REASONABLE AGREEMENT WITH A SECTIONAL SUBDIVISION AND AN APPARENT PROPORTIONATE RESTORATION OF THE CORNER TO SECTIONS 1, 6, 7 & 12. ONE POSSIBLE EXPLANATION FOR THE EVIDENCE FOUND BY SAWYER IS THAT IT WAS THE RESULT OF A PRIVATE SURVEY.

THE EVIDENCE ACCEPTED BY SAWYER FOR THE TOWNSHIP CORNER APPEARS TO BE IN A POSITION WHICH APPROXIMATES HANSON'S CLOSING CORNER FOR THE RANGELINE. THE EVIDENCE WHICH HE ACCEPTED FOR THE STANDARD CORNER TO SECTIONS 35 & 36 IS HIGHLY SUSPECT. THE CLOSING CORNER WHICH HE SET FOR SECTIONS 1 & 2 IS INCORRECT.

ALL OF THE ADJACENT PRIVATE LANDS WERE PATENTED PRIOR TO 1923. I BELIEVE THAT A RETRACEMENT OF THEIR BOUNDARIES BASED ON THE 1923 MONUMENTS WOULD BE INCORRECT.

## EVIDENCE FOUND:

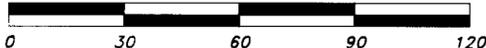
- 1 FD. 9.5" D.B.H. DEAD & DOWN PINON WITH BLAZE AND SCRIBING ON LOWER SIDE, "T 1 N R 29 E S 35 SC" PER 1923 U.S.G.L.O. NOTES.
- 2 FD. AXE CUT, CHARRED STAKE, 3" DIA. x 2.5", NO VISIBLE SCRIBING, LOOSELY SET IN THE CENTER OF A MOUND OF STONES 3' DIA. x 2.5". ACCEPTED AS THE "ORIGINAL" STANDARD CORNER PER THE 1923 U.S.G.L.O. NOTES. NOT ACCEPTED AS AN ORIGINAL MONUMENT OF THE 1879 G.L.O. SURVEY. PURPORTED STD. COR. S35-S36.
- 3 FD. 2" O.D.I.P. WITH 2.5" U.S.G.L.O. BRASS CAP MARKED FOR THE 1923 STANDARD CORNER TO SECTIONS 35 & 36 T. 1 N., R. 29 E., LOOSELY SET, UP 2' IN THE CENTER OF A MOUND OF STONES 4' DIA. x 1'. PER 1923 U.S.G.L.O. NOTES. ACCEPTED FOR CONTROL OF NON PATENTED LANDS IN T. 1 N., R. 29 E. NOT ACCEPTED FOR ALIGNMENT OF THE MT. DIABLO BASELINE.
- 4 FD. 2" O.D.I.P. WITH 2.5" U.S.G.L.O. BRASS CAP MARKED FOR THE 1923 CLOSING CORNER FOR SECTIONS 1 & 2, T. 1 S., R. 29 E., FIRMLY SET, UP 1', BESIDE BADLY DECAYED POST WITHOUT VISIBLE MARKINGS. PER 1923 U.S.G.L.O. NOTES. NOT ACCEPTED AS ORIGINAL POSITION FOR CLOSING CORNER.
- 5 FD. 1" O.D.I.P. WITH 2.5" U.S.G.L.O. BRASS CAP MARKED FOR THE 1923 STANDARD 1/4 CORNER FOR SECTION 36, LOOSELY SET, UP 0.9'. PER 1923 U.S.G.L.O. NOTES. ACCEPTED FOR CONTROL OF NON PATENTED FEDERAL LANDS IN T. 1 N. NOT ACCEPTED FOR ALIGNMENT OF THE MT. DIABLO BASELINE.

## LEGEND

- (R1) U.S. GENERAL LAND OFFICE NOTES, A. W. VON SCHMIDT, 1855.
- (R2) U.S. GENERAL LAND OFFICE NOTES, S. A. HANSON, 1879.
- (R3) U.S. GENERAL LAND OFFICE NOTES, G. F. SAWYER, 1923.
- SET, 30" x 2.5" DIA. ALUMINUM POST WITH 3.25" ALUMINUM CAP, STAMPED "U.S. DEPT. OF AGRICULTURE FOREST SERVICE," AND MARKED AS SHOWN.
- FD. 1923 U. S. GENERAL LAND OFFICE MONUMENT, AS NOTED.
- ◇ FD. CALIFORNIA DIVISION OF HIGHWAYS BRASS CAP, BRAZED TO 2.5" O.D.G.I.P., MARKED AS NOTED.
- ▲ FD. BASIC HORIZONTAL CONTROL MONUMENT, AS NOTED.
- FD. OTHER EVIDENCE, AS NOTED.
- CALCULATED POSITION, NOTHING SET.
- FD. BEARING TREES, AS NOTED.



SCALE: 1" = 30'



- 6 FD. 30" D.B.H. PINON WITH BLAZE AND SCRIBING "XXI--E S II CC" ON NE'ly FACE. ACCEPTED AS "OLD BT" PER 1923 U.S.G.L.O. NOTES. ON SW'ly FACE FD. HEALED SCAR. WHEN OPENED FD. SCRIBING "X--T". FD. HEALED SCAR NEAR BASE ON SW'ly SIDE. LEFT UNOPENED. ACCEPTED AS "30 IN. DIA. NUT PINE" PER 1879 U.S.G.L.O. NOTES.
- 7 SET U.S.D.A. FOREST SERVICE ALUMINUM MONUMENT, MARKED AS SHOWN, UP 0.2' IN MOUND OF STONES 3' DIA. x 0.6'. SET MONUMENT AT BEST FIT FOR DISTANCE FROM FD. 1879 BEARING TREES.
- 8 FD. 21" D.B.H. PINON WITH TWO BLAZES ON SE'ly FACE, SMALL LOWER BLAZE AND LARGER UPPER BLAZE, AXE MARKS BUT NO VISIBLE SCRIBING. ON NW'ly FACE FD. BLAZE WITH ILLEGIBLE ROMAN NUMERAL SCRIBING. ACCEPTED AS 24" PINE BT. PER 1879 U.S.G.L.O. NOTES.
- 9 FD. 11.5" D.B.H. PINON WITH HEALED SCAR ON NE'ly FACE. OPENED SCAR AND FD. VISIBLE BUT ILLEGIBLE SCRIBING. ACCEPTED AS 10" PINE BT PER 1879 U.S.G.L.O. NOTES.
- 10 FD. 23" D.B.H. PINON WITH HEALED SCAR ON NW'ly FACE. OPENED SCAR AND FD. SCRIBING "T 1 S R XXIX E---", HEALED SCAR AT BASE. ACCEPTED AS 30" PINE BT PER 1879 U.S.G.L.O. NOTES.
- 11 FD. 16" D.B.H. PINON WITH BLAZE AT BASE, SCRIBED "T 1 S R 29 -- S 1 C --BT". ACCEPTED AS "NEW BT" PER 1923 U.S.G.L.O. NOTES.
- 12 FD. 8" DIA. AXE CUT STUMP WITH TREE TRUNK BESIDE IT.
- 13 FD. 13" D.B.H. STANDING DEAD TREE WITH SMALL BLAZE AT BASE, AND LARGER BLAZE UP 4'. AXE MARKS, NO VISIBLE SCRIBING. NO RECORD.
- 14 FD. 12" D.B.H. DEAD & DOWN PINON WITH TWO AXE CUT NOTCHES IN TRUNK ON LOWER SIDE. NO RECORD.
- 15 FD. 3" O.D.I.P. WITH 3.5" U.S.G.L.O. BRASS CAP MARKED FOR 1923 TOWNSHIP CORNER, FIRMLY SET, UP 0.9' BESIDE A TRIANGULAR NATURAL WOOD POST, 4" TO 6" DIA. x 2.7' LONG, WITHOUT VISIBLE MARKINGS, SET FLUSH. ACCEPTED AS EVIDENCE OF THE 1879 U.S.G.L.O. RANGE LINE CLOSING CORNER AND FOR CONTROL OF NON PATENTED FEDERAL LANDS IN T. 1 N., R. 29 E. NOT ACCEPTED FOR ALIGNMENT OF THE MT. DIABLO BASELINE OR CONTROL OF PRIVATE LANDS PATENTED PRIOR TO 1923.
- 16 FD. 2.5" O.D.G.I.P. WITH 2.5" CALIF. DIV. OF HWYS. BRASS CAP, MARKED AS SHOWN, FIRMLY SET, UP 0.5', WITH PIECES OF DECAYED POST WIRED TO PIPE. PER CALTRANS FB 3025/177 AND UNFILED CORNER RECORDS. THIS MONUMENT WAS SET BY L. YTURRASPE L.S. AS A REPLACEMENT OF THE ORIGINAL FD. SCRIBED STAKE. ACCEPTED AS A FAITHFUL PERPETUATION OF THE ORIGINAL MONUMENT.
- 17 FD. BADLY DECAYED WOODEN POST, 5" DIA. x 15", NO VISIBLE MARKINGS, LYING ON ITS SIDE, ON SIDEHILL. UNABLE TO FIND ANY PORTION IN GROUND. POSSIBLE VON SCHMIDT 1/4 CORNER.
- 18 FD. WOODEN POST WITH ROTTED END, 6" DIA. x 7'. UNABLE TO FIND ANY PORTION IN GROUND. A SIMILAR POST WAS FD. AT THE MONUMENT FOR SECTIONS 1, 6, 12 AND 18, ON THE RANGE LINE. POSSIBLE AID IN LOCATION OF 1/4 CORNER.

