

CERTIFICATE OF SURVEY
DEPENDENT RESURVEY OF A PORTION OF
MINERAL SURVEY 4604
IN SECTIONS 5 & 8, T.32N., R.34W., P.M.,MT.
KOOTENAI NATIONAL FOREST
LINCOLN COUNTY, MONTANA
FEBRUARY 2000

FOREST SUPERVISOR'S CERTIFICATE

This survey was made at my request for National Forest management purposes

Bob Castaneda
Bob Castaneda, Forest Supervisor

2/22/00
Date

PURPOSE OF SURVEY

The purpose of this survey is to retrace and mark a portion of the boundaries of an existing record parcel, distinguishing between National Forest System Lands and private lands, therefore no division of land is hereby created.

LEGAL DESCRIPTION OF PRIVATE OWNERSHIP:

Mineral Survey No. 4604 in sections 5 and 8.
Owners: Robert W. & Beverly Steiner Patent No. 28097

LEGAL DESCRIPTION OF NATIONAL FOREST SYSTEM LANDS:

Section 5, Govt. Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, E1/2 SE1/4;
W1/2 SW1/4; SW1/4 NW1/4.

Section 8, Govt. Lots 1, 2, 3, 4, 5, 6, 7, 8, SW1/4 SE1/4; SW1/4; W1/2 NW1/4;

HISTORY OF SURVEY

February 1895, Mineral Survey No. 4604 by Abram L. Joqueth.
1903, Original G.L.O. subdivision of township and meanders of the Kootenai River by Allen B. Benedict.
1968 BLM remonumentation of the MC for Sections 5 & 8 on the right bank of the Kootenai River by W. E. Damm, J. E. French & D. C. Lindenberg.

METHOD OF SURVEY

A one second total station and data collector were used with closed traverse procedures to tie the original controlling corners. Offsets to true line were computed for marking and posting the property line. A Geodetic Coordinate for the Meander Corner between Sections 5 & 8 on the right bank of the Kootenai River was obtained by resource grade GPS to +/- 2 meter accuracy. The location of the monuments set this survey meet the positional tolerance standard referenced in the U.S.D.A. Forest Service, Region One, Cadastral Contract Specification Manual, dated 1987.

BASIS OF BEARING

Bearings are based on the Hour Angle solar observation taken from Control Point 1 to Control Point 100, Bearing; S04°46'17"W, Distance; 1382.31'

FIELD CREW

Party Chief: Steve Boyer, Assistant: Tom Hommel, Rex Rice, Aide: Vince Huntsburger, Graphics: Steve Boyer
Survey commenced June 28, 1999
Survey completed Sept. 20, 1999

SURVEYOR'S CERTIFICATE:

I hereby certify that I am a registered land surveyor in the State of Montana, that the survey shown on this Certificate of Survey has been prepared in accordance with Montana Code Annotated (Sections 76-3-101 through 76-3-614) and the Lincoln County regulations adapted pursuant thereto.

Roger O. Green, Montana Reg. No. 13769LS, Date 2/22/2000
Kootenai National Forest 1101 US HWY 2 West Libby, Mt. 59923

CERTIFICATE OF EXAMINING OFFICIAL:

Approved this 1st day of March, 2000, A.D.

Examining Official

Approved Marianne B. Rose
Chairman, Lincoln County Commissioners

CERTIFICATE OF CLERK AND RECORDER:

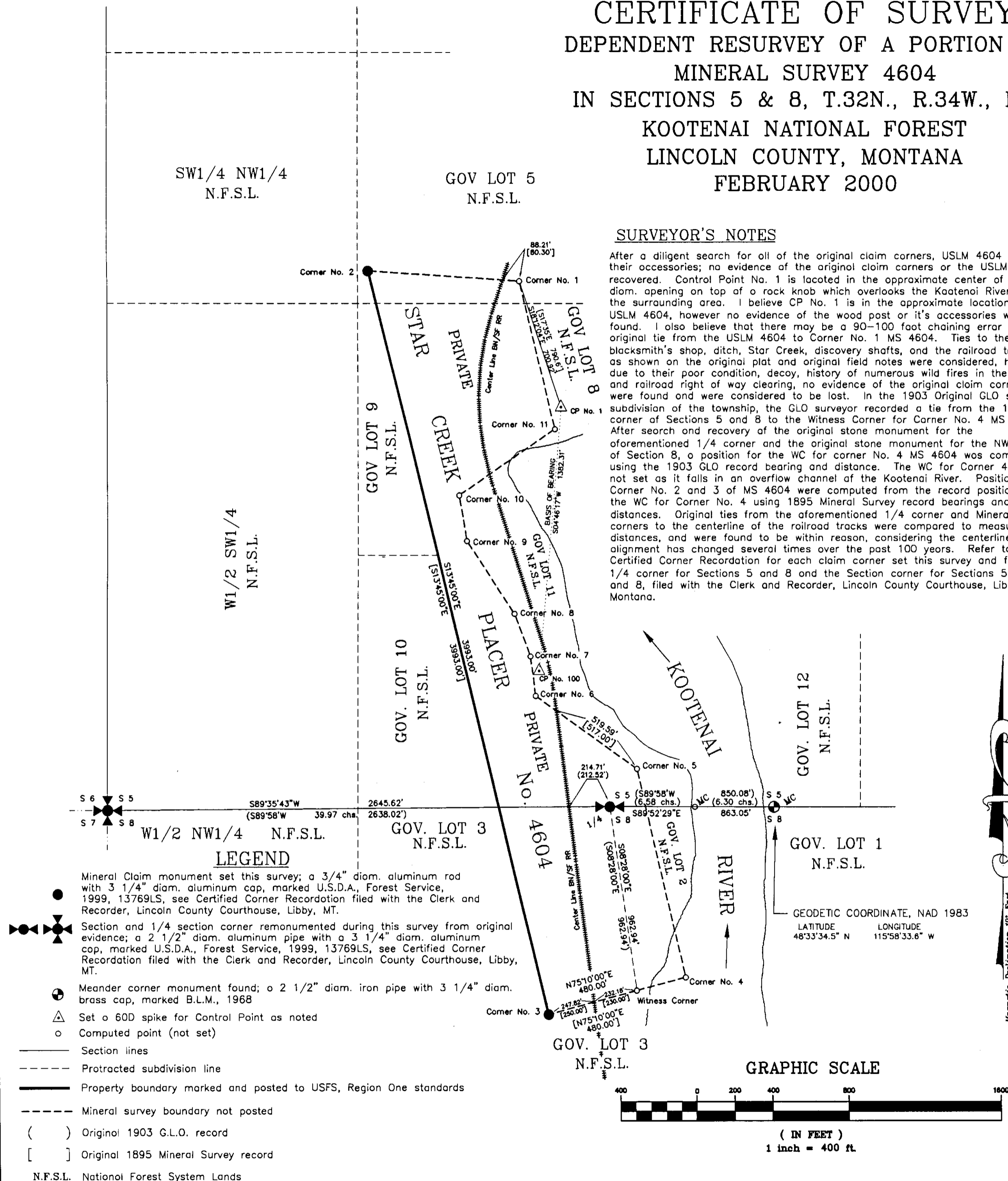
State of Montana, County of Lincoln, filed this 2nd day of March, 2000, A.D. at 12:00 o'clock p.m.
by Tara M. Cummings County Clerk Recorder by Francis Alvarado Deputy

CERTIFICATE OF SURVEY NO. 2904

Doc# 145681

SURVEYOR'S NOTES

After a diligent search for all of the original claim corners, USLM 4604 and their accessories; no evidence of the original claim corners or the USLM were recovered. Control Point No. 1 is located in the approximate center of a 50' diam. opening on top of a rock knob which overlooks the Kootenai River and the surrounding area. I believe CP No. 1 is in the approximate location for USLM 4604, however no evidence of the wood post or it's accessories were found. I also believe that there may be a 90-100 foot chaining error in the original tie from the USLM 4604 to Corner No. 1 MS 4604. Ties to the blacksmith's shop, ditch, Star Creek, discovery shafts, and the railroad tracks as shown on the original plat and original field notes were considered, however due to their poor condition, decay, history of numerous wild fires in the area and railroad right of way clearing, no evidence of the original claim corners were found and were considered to be lost. In the 1903 Original GLO section subdivision of the township, the GLO surveyor recorded a tie from the 1/4 corner of Sections 5 and 8 to the Witness Corner for Corner No. 4 MS 4604. After search and recovery of the original stone monument for the aforementioned 1/4 corner and the original stone monument for the NW corner of Section 8, a position for the WC for corner No. 4 MS 4604 was computed using the 1903 GLO record bearing and distance. The WC for Corner 4 was not set as it falls in an overflow channel of the Kootenai River. Positions for Corner No. 2 and 3 of MS 4604 were computed from the record position of the WC for Corner No. 4 using 1895 Mineral Survey record bearings and distances. Original ties from the aforementioned 1/4 corner and Mineral Claim corners to the centerline of the railroad tracks were compared to measured distances, and were found to be within reason, considering the centerline alignment has changed several times over the past 100 years. Refer to the Certified Corner Recordation for each claim corner set this survey and for the 1/4 corner for Sections 5 and 8 and the Section corner for Sections 5, 6, 7, and 8, filed with the Clerk and Recorder, Lincoln County Courthouse, Libby, Montana.



- LEGEND**
- Mineral Claim monument set this survey; a 3/4" diam. aluminum rod with 3 1/4" diam. aluminum cap, marked U.S.D.A., Forest Service, 1999, 13769LS, see Certified Corner Recordation filed with the Clerk and Recorder, Lincoln County Courthouse, Libby, MT.
 - Section and 1/4 section corner remonumented during this survey from original evidence; a 2 1/2" diam. aluminum pipe with a 3 1/4" diam. aluminum cap, marked U.S.D.A., Forest Service, 1999, 13769LS, see Certified Corner Recordation filed with the Clerk and Recorder, Lincoln County Courthouse, Libby, MT.
 - Meander corner monument found; a 2 1/2" diam. iron pipe with 3 1/4" diam. brass cap, marked B.L.M., 1968
 - Set a 60D spike for Control Point as noted
 - Computed point (not set)
 - Section lines
 - Protracted subdivision line
 - Property boundary marked and posted to USFS, Region One standards
 - Mineral survey boundary not posted
 - () Original 1903 G.L.O. record
 - [] Original 1895 Mineral Survey record
 - N.F.S.L. National Forest System Lands