

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF

THE DEPENDENT RESURVEY OF

A PORTION OF MINERAL SURVEY No. 4498

IN

TOWNSHIP 6 SOUTH, RANGE 3 WEST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Steven L. Hope
Cadastral Surveyor

Under special instructions dated **February 24, 1999**, approved February 24, 1999, which provided for the surveys included under Group Number **898**, and assignment instructions dated **April 19, 1999**.

Survey commenced **May 11, 1999**
Survey completed **June 3, 1999**

INDEX DIAGRAM

Township 6 South, Range 3 West

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
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31	32	33	34	35	36

The Dependent Resurvey of a portion of Mineral Survey No. 4498
located within section 15.....Page 3

TOWNSHIP 6 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

The following field notes describe the dependent resurvey of a portion of Mineral Survey No. 4498, located in section 15, Township 6 South, Range 3 West, Salt Lake Meridian, Utah.

History of Surveys

Surveyed by		Retr. or Resurveyed by	
NORTH BOUNDARY			
Portion	R. Gorlinski	1887	
Portion	R. Gorlinski	1892	
All			R. Gentry 1926-28
Portion			G.B. Hatch 1973-81
SOUTH BOUNDARY			
Portion	C.L. Craig	1856	
Portion	J. Troskolawski	1856	
Portion			A.D. Ferron 1871
Portion			R. Gorlinski 1887
Portion	R. Gorlinski	1887	
Portion			R. Gorlinski 1892
Portion			J.C. Thoma 1918
Portion			G.B. Hatch 1973-81
EAST BOUNDARY			
Portion	J. Troskolawski	1856	
Portion	R. Gorlinski	1887	
Portion			R. Gorlinski 1887
Portion			J.C. Thoma 1918
Portion			G.B. Hatch 1973-81
WEST BOUNDARY			
Portion	C.L. Craig	1856	
Portion	R. Gorlinski	1892	
All			R. Gorlinski 1892
Portion			R. Gentry 1926-28
Portion			E. Bird 1943

TOWNSHIP 6 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

SUBDIVISION

Portion	C.L. Craig	1856		
Portion	J. Troskolawski	1856		
Portion	R. Gorlinski	1887		
Portion			R. Gorlinski	1887
Portion	R. Gorlinski	1892		
Portion			R. Gorlinski	1892
Portion			G.B. Hatch	1973-81

FT. CRITTENDEN MILITARY RESERVATION BOUNDARY

All	R. Gorlinski			1887
Portion			G. B. Hatch	1973-81

MINERAL SURVEY NO. 4498

All	J.C. Dick	1900		
Portion			G.B. Hatch	1973-81

The survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 898, Utah, dated February 24, 1999.

The directions of lines were determined by direct observation of global positioning satellites using relative positioning techniques. The lines were carried forward by sustained angulations, being supplemented by other observations taken throughout the progress of the survey. Distances were determined by electronic measurement.

Preliminary to the resurvey, the lines of the original survey were retraced and a diligent search was made for any evidence of the original field note record. The retracement data were thoroughly verified and only the true line notes are given herein.

The geographic position of the corner of sections 9, 10, 15, and 16, as determined by direct observation of global positioning satellites and relative positioning techniques with U.S. Geological Survey triangulation station "SEC COR 36/6S/4W" is:

Latitude 40°18'19.640" N. Longitude 112°10'39.464" W.
N.A.D. 1983

DEPENDENT RESURVEY OF A PORTION OF MINERAL SURVEY NO. 4498,
T. 6 S., R. 3 W., SALT LAKE MERIDIAN, UTAH

CHAINS

Dependent Resurvey of a Portion of Mineral Survey No. 4498
T. 6 S., R. 3 W., Salt Lake Meridian, Utah

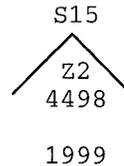
Reestablishment of the Survey Executed by
J.C. Dick in 1900

ZINC LODE

Beginning at corner No.2, marked by the remains of a pine post, loosely set in a deteriorating mound of stone.

At the corner point

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 12 inches in the ground to bedrock, Deep-1 magnet at base of post, in a mound of stone, 4 feet base, to top of aluminum cap, marked:

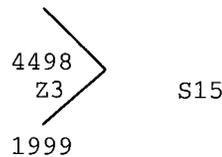


Deposit remains of pine post alongside the aluminum post.

S. 37° 36.1' E., along line 2-3 of Zinc lode.

22.912 Corner No. 3, at proportionate distance based on the Grant Boundary Method; there is no remaining evidence of the original corner.

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 18 inches in the ground to bedrock, Deep-1 magnet at base of post, in a mound of stone, 4 feet base, to top of aluminum cap, marked:



S. 47°10.9' W., along line 3-4 of Zinc lode.

9.165 Corner No. 4, identical with Corner No. 7, Cyanide lode, same survey, marked with a copperweld monument, set firmly in a mound of stone, 3 feet base, to top of cap, marked as described in the resurvey of 1973-81.

DEPENDENT RESURVEY OF A PORTION OF MINERAL SURVEY NO. 4498,
T. 6 S., R. 3 W., SALT LAKE MERIDIAN, UTAH

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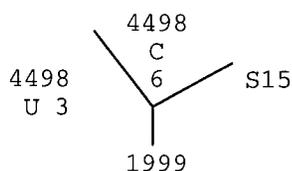
CYANIDE LODE

S. 46° 37.5' W., along line 7-6 of Cyanide lode.

4.025 Intersect center line of county road.

8.994 Corner No. 6, identical with Corner No. 3, U. S. Fraction lode, same survey, at proportionate distance based on the Grant Boundary Method; there is no remaining evidence of the original corner.

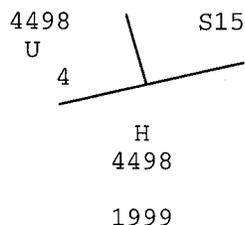
Set an aluminum post 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, Deep-1 magnet at base of post, in a mound of stone, 4 feet base, to top of aluminum cap, marked:

**U. S. FRACTION LODE**

S. 9° 01.5' E., along line 3-4.

5.353 Corner No. 4, on line 6-7, Heimrich lode, same survey, at proportionate distance based on the Grant Boundary Method; there is no remaining evidence of the original corner.

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 22 inches in the ground, Deep-1 magnet at base of post, in a mound of stone, 4 feet base, to top of aluminum cap, marked:

**HEIMRICH LODE**

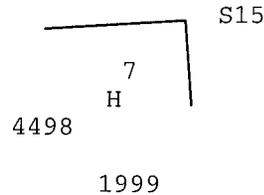
N. 80° 35.5' E., along line 6-7.

2.790 Corner No. 7, at proportionate distance based on the Grant Boundary Method; there is no remaining evidence of the original corner.

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 28 inches in the ground, Deep-1 magnet at base of post, surrounded by a collar of stone, 2 feet base, to top of aluminum cap, marked:

DEPENDENT RESURVEY OF A PORTION OF MINERAL SURVEY NO. 4498,
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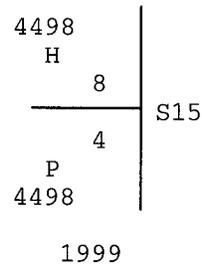
CHAINS



S. 5° 44.5' E., along line 7-8.

- 8.994 Corner No. 8, identical with Corner No. 4, Product lode, same survey, at proportionate distance based on the Grant Boundary Method; there is no remaining evidence of the original corner.

Set rebar, 18 inches long, 3/4 inch diameter, 17 inches in the ground, Deep-1 magnet at base of rebar, 3 1/2 inch aluminum cap affixed to top of rebar, marked:



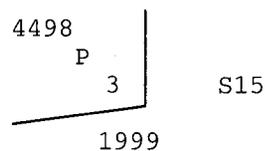
Corner is located in an old tailings pond.

PRODUCT LODE

S. 5°44.5' E., along line 4-3.

- 8.994 Corner No. 3, at proportionate distance based on the Grant Boundary Method; there is no remaining evidence of the original corner.

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, Deep-1 magnet at base of post, in a mound of stone, 4 feet base, to top of aluminum cap, marked:



S. 80° 35.5' W., along line 3-2.

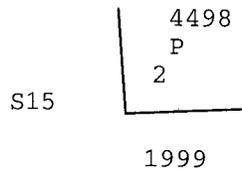
- 22.485 Corner No. 2, marked by a small mound of stone, splintered remains of pine post found below ground surface in center of mound.

DEPENDENT RESURVEY OF A PORTION OF MINERAL SURVEY NO. 4498,
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At the corner point

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 20 inches in the ground, Deep-1 magnet at base of post, in a mound of stone, 3 feet base, to top of aluminum cap, marked:

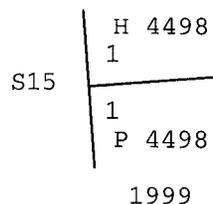


N. 5° 25.9' W., along line 2-1.

- 9.071 Corner No. 1, identical with Corner No.1, Heimrich lode, same survey, marked by a small mound of stone, partial remains of 4x4 pine post lying alongside mound, no scribing found on pine post, splintered remains of pine post found below ground surface in center of mound.

At the corner point

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, Deep-1 magnet at base of post, in a mound of stone, 3 feet base, to top of aluminum cap, marked:



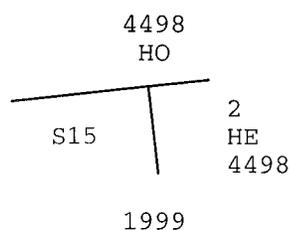
Deposit remains of pine post alongside the aluminum post.

HEIMRICH LODE

N. 6° 02.2' W., along line 1-2.

- 9.079 Corner No. 2, line 3-4, Hooper lode, same survey, at proportionate distance based on the Grant Boundary Method; there is no remaining evidence of the original corner.

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, Deep-1 magnet at base of post, in a mound of stone, 4 feet base, to top of aluminum cap, marked:



DEPENDENT RESURVEY OF A PORTION OF MINERAL SURVEY No. 4498,
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CHAINS

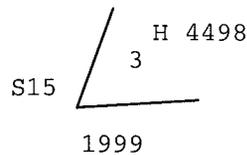
HOOPER LODGE

S. 80° 17.8' W., along line 4-3.

- 4.222** Corner No. 3, marked by a weathered 4x4 pine post firmly set in a small mound of stone, post dimly scribed, " 3 4498 " on west face.

At the corner point

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, in a mound of stone, 2 feet base, to top of aluminum cap, marked:



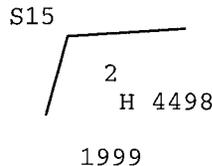
Deposit 4x4 pine post alongside the aluminum post.

N. 11° 16.8' E., along line 3-2.

- 22.719** Corner No. 2, marked by a mound of stone, broken remains of pine post lying in close proximity, splintered remains of pine post found below ground surface in center of mound.

At the corner point

Set an aluminum post 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, Deep-1 magnet at base of post, in a mound of stone, 3 feet base, to top of aluminum cap, marked:



N. 81° 45.5' E., along line 2-1.

- 7.329** The intersection of line 2-1, and line 3-2, Cyanide lode, same survey, at proportionate distance based on the Grant Boundary Method, not monumented.

CYANIDE LODGE

N. 36° 59.5' W., along line 3-2.

- 4.206** Intersect center line of county road.

DEPENDENT RESURVEY OF A PORTION OF MINERAL SURVEY NO. 4498,
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CHAINS
4.616

Corner No. 2, identical with Corner No.2, Solution lode, same survey, marked with a copperweld monument, set firmly in a mound of stone, 3 feet base, to top of cap, marked as described in the resurvey of 1973-81.

From this corner, the corner of sections 9, 10, 15, and 16, bears N. $66^{\circ}49'52''$ W. (forward bearing) and S. $66^{\circ}50'10''$ E. (back bearing), 36.192 chains distance. Monumented with a brass tablet, 3 inches diameter, 12 inches below the surface of a gravel road, marked as described in the 1973-81 resurvey.

UNITED STATES
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FIELD ASSISTANTS

Name	Capacity
Troy Warburton	Land Surveyor
Ross Workman	Land Surveyor

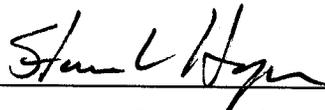
CERTIFICATE OF SURVEY

I, **Steven L. Hope, Cadastral Surveyor**, hereby certify upon honor that, in pursuance of special instructions bearing the date of the **6th day of June, 1999**, I have **dependently resurveyed a portion of the Mineral Survey No. 4498, in Township 6 South, Range 3 West,**

of the **Salt Lake** Meridian, in the State of **Utah**, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

1-31-07

Date



(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The foregoing field notes of the **dependent resurvey of a portion of the Mineral Survey No. 4498, in Township 6 South, Range 3 West, Salt Lake Meridian, Utah,**

executed by **Steven L. Hope, Cadastral Surveyor**

having been critically examined and found correct, are hereby approved.

February 9, 2007

Date



(Chief Cadastral Surveyor for Utah)