

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ORIGINAL

FIELD NOTES

OF THE

METES AND BOUNDS SURVEY OF PARCEL A
LOCATED WITHIN MINERAL SURVEY No. 4498,

IN

SECTION 15

OF

TOWNSHIP 6 SOUTH, RANGE 3 WEST

OF THE SALT LAKE MERIDIAN
IN THE STATE OF UTAH

EXECUTED BY

Daniel T. Gillins
Survey Technician

Under the Supervision of

Ronald K. Baugh
Cadastral Surveyor

Under Special Instructions dated **April 30, 2007**, approved **April 30, 2007**, which provided for the surveys included under Group Number **1047**, and assignment instructions dated **April 30, 2007**.

Survey commenced **May 2, 2007**
Survey completed **July 2, 2007**

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

The following field notes are those of the metes and bounds survey of Parcel A located in Mineral Survey No. 4498, in Section 15 of T. 6 S., R. 3 W., Salt Lake Meridian, Utah.

History of Surveys (For Section 15 only)

Surveyed by		Retr. Or Resurveyed by	
SUBDIVISION (Section 15 Only)			
All	R. Gorlinski	1887	
All		G.B. Hatch	1973-81
MINERAL SURVEY No. 4498			
All	J.C. Dick	1900	
Portion		G.B. Hatch	1973-81
Portion		S.L. Hope	1999

This survey was executed in accordance with the specifications set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 1047, dated April 30, 2007.

The direction of the lines was determined by references to true meridians, established by Global Positioning System (GPS) utilizing Real-Time Kinematic (RTK) techniques throughout the survey. The positional accuracy of this survey complies with the Standards and Guidelines for Cadastral Surveys Using Global Positioning System Methods, dated May 9, 2001, Version 1.0. Trimble model 5800 GPS receivers were used for field collection. Cadastral Automated Plat Drafting (CAPD) software was the primary software utilized for the project calculations.

Preliminary to the resurvey, the lines of the prior surveys were retraced and search was made for all corners and other calls of record. Identified corners were remonumented in their original positions. Lost corners were reestablished at proportionate positions based on the official record.

The retracement data was thoroughly verified and only the true line field notes are given herein.

The geographic position of the corner of sections 9, 10, 15, and 16 as determined by S.L. Hope in the official record of the 1999 resurvey is:

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

THE METES AND BOUNDS SURVEY OF PARCEL A,
TOWNSHIP 6 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

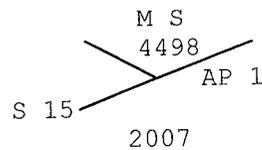
CHAINS

The Metes and Bounds Survey of Parcel A
T. 6 S., R. 3 W., Salt Lake Meridian, Utah

Note: As part of the administrative settlement agreement with private landowners for the cleanup of the Manning Canyon mine toxic waste, private landowners are to deed to the United States a 30.00 acre parcel of land, herein referred to as "Parcel A". The parcel is intended to include the existing repository and water diversion structures.

Beginning at point for Angle Point No. 1 of Parcel A, on line 2-3 of the Product Lode, M.S. No. 4498 (said line determined at record bearing, conforming to the official record of the 1999 resurvey, from Corner No. 2 of the Product Lode).

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 29 inches in the ground, with aluminum cap marked:



Corner is located 4 ft. northeast of the easterly edge of a gravel road, bears northwest-southeast.

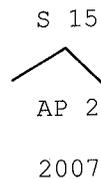
From which

Corner No. 2 of the Product Lode bears S. 80°35.5' W., 19.948 chains distance, monumented with an aluminum post, 30 inches long, 2 1/2 inches diameter, firmly set, in a mound of stone, 3 ft. base, 10 inches high to top of aluminum cap, marked as described in the official record of the 1999 resurvey.

N. 45°13.8' W., on line 1-2

13.417 Point for Angle Point No. 2, Parcel A.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 15 inches in the ground, in a mound of stone, 3 ft. base to top, with aluminum cap marked:



Corner is located under a steel guard rail, bears northwest-

THE METES AND BOUNDS SURVEY OF PARCEL A,
TOWNSHIP 6 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

southeast; and, is 15 ft. northeast of the easterly edge of a gravel road, bears northwest-southeast.

S. 44°04.5' W., on line 2-3

0.636 Point for Angle Point No. 3, Parcel A.

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

S 15

 AP 3
 2007

N. 45°20.3' W., on line 3-4

7.871 Point for Angle Point No. 4, Parcel A.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 27 inches in the ground, with aluminum cap marked:

AP 4

 S 15
 2007

N. 55°18.9' E., on line 4-5

2.757 Point for Angle Point No. 5, Parcel A.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, with aluminum cap marked:

S 15

 AP 5
 2007

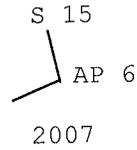
N. 65°41.6' E., on line 5-6

0.634 Point for Angle Point No. 6, Parcel A.

THE METES AND BOUNDS SURVEY OF PARCEL A,
TOWNSHIP 6 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

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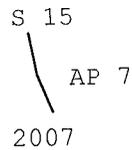
Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, in a mound of stone, 3 ft. base to top, with aluminum cap marked:



N. 17°27.8' W., on line 6-7

2.475 Point for Angle Point No. 7, Parcel A.

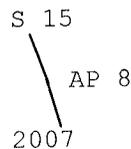
Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with aluminum cap marked:



N. 11°21.0' W., on line 7-8

8.326 Point for Angle Point No. 8, Parcel A.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, With aluminum cap marked:



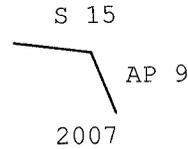
N. 15°58.0' W., on line 8-9

3.478 Point for Angle Point No. 9, Parcel A.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, in a mound of stone, 3 ft. base to top, with aluminum cap marked:

THE METES AND BOUNDS SURVEY OF PARCEL A,
TOWNSHIP 6 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

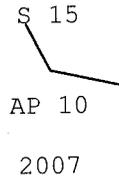
CHAINS



N. 78°07.7' W., on line 9-10

2.983 Point for Angle Point No. 10, Parcel A.

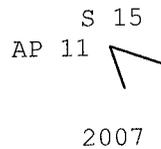
Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 24 inches in the ground, in a mound of stone, 3 ft. base to top, with aluminum cap marked:



N. 20°52.3' W., on line 10-11

0.582 Point for Angle Point No. 11, Parcel A.

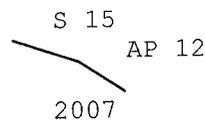
Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, in a mound of stone, 3 ft. base to top, with aluminum cap marked:



S. 78°41.9' E., on line 11-12

3.799 Point for Angle Point No. 12, Parcel A.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, in a mound of stone, 2 ft. base to top, with aluminum cap marked:



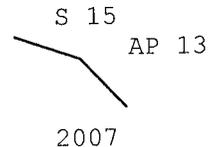
THE METES AND BOUNDS SURVEY OF PARCEL A,
TOWNSHIP 6 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

S. 64°05.1' E., on line 12-13

11.817 Point for Angle Point No. 13, Parcel A.

Set an aluminum post, 30 inches long, 2 1/2 inches diameter, 26 inches in the ground, with aluminum cap marked:



S. 39°50.5' E., on line 13-14

3.034 Point for Angle Point No. 14, identical with Corner No. 3 of the U.S. Fraction Lode, M.S. No. 4498, and Corner No. 6 of the Cyanide Lode, same survey, monumented with an aluminum post, 30 inches long, 2 1/2 inches diameter, firmly set, projecting 4 inches above the ground, with an aluminum cap marked as described in the official record of the 1999 resurvey.

From which

The corner of sections 9, 10, 15, and 16 bears N. 55°39.2' W., 57.073 chains distance; monumented with a brass tablet, 3 inches diameter, 12 inches below the surface of a county (gravel) road, marked as described in the official record of the 1973-81 resurvey.

S. 9°01.5' E., on line 14-15, identical with line 3-4 of the U.S. Fraction Lode, M.S. No. 4498

5.353 Point for Angle Point No. 15, identical with point for Corner No. 4 of the Heimrich Lode, M.S. No. 4498, on line 6-7 of same lode, at a record bearing and distance conforming to the official record of the 1999 resurvey; there is no remaining evidence of the 1999 aluminum post monument.

Point falls in an area cleaned from toxic waste, and covered with a layer of geo-fabric and clean fill. Not monumented.

N. 80°35.5' E., on line 15-16, identical with line 6-7 of the Heimrich Lode, M.S. No. 4498

2.790 Point for Angle Point No. 16, identical with point for Corner No. 7 of the Heimrich Lode, M.S. No. 4498, at a record bearing and distance conforming to the official record of the 1999 resurvey; there is no remaining evidence of the 1999 aluminum post monument.

THE METES AND BOUNDS SURVEY OF PARCEL A,
TOWNSHIP 6 SOUTH, RANGE 3 WEST, SALT LAKE MERIDIAN, UTAH

CHAINS

Point falls in an area cleaned from toxic waste, and covered with a layer of geo-fabric and clean fill. Not monumented.

S. 5°44.5' E., on line 16-17,

along line 7-8 of the Heimrich Lode, M.S. No. 4498

8.994

Point for Corner No. 8 of the Heimrich Lode, M.S. No. 4498, identical with point for Corner No. 4 of the Product Lode, same survey, at a record bearing and distance conforming to the official record of the 1999 resurvey; there is no remaining evidence of the 1999 aluminum post monument.

Point falls in an area cleaned from toxic waste, and covered with a layer of geo-fabric and clean fill. Not monumented.

Continuing along line 4-3 of the Product Lode, M.S. No. 4498

17.988

Point for Angle Point No. 17, identical with point for Corner No. 3 of the Product Lode, M.S. No. 4498, at a record bearing and distance conforming to the official record of the 1999 resurvey; there is no remaining evidence of the 1999 aluminum post monument.

Point falls in an area cleaned from toxic waste, and covered with a layer of geo-fabric and clean fill. Not monumented.

S. 80°35.5' W., on line 3-2 of the Product Lode, M.S. No. 4498, determined at record bearing conforming to the official record of the 1999 resurvey.

2.537

Angle Point No. 1, Parcel A, the point of beginning.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

Name	Capacity
Calvert C. Norton	Survey Technician
R. Keith Batty	Survey Technician

CERTIFICATE OF SURVEY

We, **Ronald K. Baugh, Supervisory Cadastral Surveyor, and Daniel T. Gillins, Survey Technician**, hereby certify upon honor, that in pursuance of special instructions bearing the date of the **30th day of April, 2007**, we have **surveyed the metes and bounds of Parcel A, located in Mineral Survey No. 4498, in Section 15 of 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 us and under our direction; and that said survey has been made in strict conformity with said special instructions, the Manual of Instructions of the Survey of the Public Lands of the United States, and in specific manner described in the foregoing field notes.

July 21, 2008

Date

Ronald K. Baugh
Supervisory Cadastral Surveyor

July 21, 2008

Date

Daniel T. Gillin
Survey Technician

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Salt Lake City, Utah

The following field notes of the **metes and bounds survey of Parcel A, located in Mineral Survey No. 4498, in Section 15 of Township 6 South, Range 3 West, Salt Lake Meridian, Utah,**

Executed by **Ronald K. Baugh, Supervisory Cadastral Surveyor, and Daniel T. Gillins, Survey Technician**, having been critically examined and found correct, are hereby approved.

August 15, 2008

Date

Daniel W. Webb
(Chief Cadastral Surveyor for Utah)

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