640-6025

ORIGINAL

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

DEPENDENT RESURVEY

OF

MINERAL SURVEY NO. 246

TOWNSHIP 29 NORTH, RANGES 99 AND 100 WEST,

OF THE SIXTH PRINCIPAL MERIDIAN,

IN THE STATE OF WYOMING.

EXECUTED BY

THOMAS E. CASINGER CADASTRAL SURVEYOR

Under Special Instructions dated JULY 23, 1996, approved JULY 26, 1996, which provided for the surveys included under Group Number 627, and assignment instructions dated JULY 26, 1997.

Survey commenced SEPTEMBER 17, 1996

Survey completed JUNE 30, 1997

INDEX DIAGRAM

Township 29 North, Range 100 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
30	29	28	27	26	25
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T. 29 N., R. 100 W., Sixth Principal Meridian, Wyoming

CHAINS

The following field notes are those of the dependent resurvey of Mineral Survey No. 246, Township 29 North, Ranges 99 and 100 West, of the Sixth Principal Meridian, Wyoming.

The history of earlier surveys pertaining to this resurvey is as follows:

William B. Yerby surveyed the east boundary in 1877. John L. Propst surveyed the subdivisional lines in 1883. George F. Ober surveyed Mineral Survey No. 246 (New York and Pennsylvania Lodes) in 1903. Jack A. Eaves dependently resurveyed the east boundary and subdivisional lines in 1961.

The survey was executed in accordance with the specifications as set forth in the Manual of Surveying Instructions, 1973, and the Special Instructions for Group No. 627, Wyoming dated July 23, 1996.

Preliminary to the resurvey, the lines of the previous surveys were retraced and diligent search was made for all corners and other calls of the field note record. Identified corners were remonumented in their original positions; lost corners were reestablished and monumented at proportionate positions based on the latest official record, but only after exhausting every possibility of finding direct evidence of such corners. The retracement data was thoroughly verified and only true line field notes are given herein, which refer to the completed survey.

The survey was executed with a PENTAX Model PTS-III Total Station and by chaining methods. The instrument was maintained in proper adjustment at all times. The directions of all lines refer to the true meridian, determined by hour angle observations of the sun at various points along the lines of survey and carried forward by sustained angulation.

Detectable Electronically Energized Particles (DEEP-1 TM) were buried as memorials at certain corner monuments. The "DEEP-1" is composed of strontium encased in a color coded plastic container. The units are 1 inch in diameter, 2½ ins. long, weigh 2½ ounces, and are magnetically detectable to an average depth of 8 feet.

T. 29 N., R. 100 W., Sixth Principal Meridian, Wyoming

CHAINS

The geographic position of the 1/4 sec. cor. of secs. 1 and 6, T. 29 N., Rgs. 99 and 100 W., based on NAD 27, and as scaled from the U. S. Geological Survey quadrangle map Miners Delight, Wyo. dated 1954, photo revised 1978, is:

Latitude 42° 30′ 57" N., Longitude 108° 43′ 04" W.

The magnetic declination is 12¾° E.

Dependent Resurvey of Mineral Survey No. 246,
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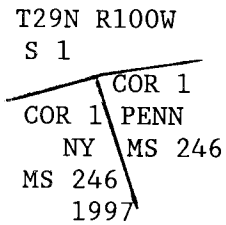
(Restoring the survey executed
by George F. Ober in 1903)

NEW YORK LODE

Beginning at Cor. No. 1, New York Lode, identical with Cor. No. 1, Pennsylvania Lode, monumented with a mound of stone, 3 ft. base, 1 ft. high, no mkd. stone found. Accepted center of mound as the best available evidence of the original cor. position.

At the corner point

Set an iron post, 28 ins. long, 2½ ins. diam., 20 ins. in the ground, with brass cap mkd.



Deposit a white "DEEP-1" magnetic marker at base of iron post and set a steel sign post alongside. Rebuild the mound of stone, 2½ ft. base, 2 ft. high, N. of the cor.

From this point, the cor. of Tps. 29 and 30 N., Rgs. 99 and 100 W., bears N. 5° 21′ E., 36.66 chs. dist., monumented with an iron post, 2½ ins. diam., firmly set, projecting 12 ins. above the ground, with a steel fence post alongside, with brass cap mkd.

Dependent Resurvey of Mineral Survey No. 246,
T. 29 N., R. 100 W., Sixth Principal Meridian, Wyoming.

CHAINS	
	T30N R100W R99W S 36 | S 31 S 1 | S 6 T29N 1958 1968-69
	Cor. is located 3 lks. N. of the remnants of a wooden fence bears E. and W., and 2.0 chs. S. of the center of a pond, 75 ft. diam.
	From this same point, the 1/4 sec. cor. of secs. 1 and 6, on the E. bdy. of the Tp., bears S. 50° 48′ E., 5.57 chs. dist., monumented with an iron post, 2½ ins. diam., firmly set, projecting 10 ins. above the ground, with a steel fence post alongside, with brass cap mkd.
	T29N 1/4 R100W R99W S 1 | S 6 1961
	S. 14° 42′ E., on line 1-2, New York Lode, identical with Line 1-2, Pennsylvania Lode.
	Over nearly level terrain.
0.25	Center of unimproved dirt road, 18 lks. wide, bears E. and W.
9.095	Cor. No. 2, New York Lode, identical with Cor. No. 2, Pennsylvania Lode, monumented with a mound of stone, 2½ ft. base, 1½ ft. high, no mkd. stone found, with a wooden post, 36x3x3 ins. laying alongside, no visible mks. and a wooden post, 36x4x4 ins., laying alongside, with an aluminum tag mkd. NE C1 and NW C2. Accepted center of mound as the best available evidence of the original cor. position.
	At the corner point
	Set an iron post, 28 ins. long, 2½ ins. diam., 25 ins. in the ground, with brass cap mkd.

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CHAINS

T29N R100W
MS 246
MS 246 PENN
NY COR 2
COR 2
S 1
1997

Deposit a white "DEEP-1" magnetic marker at base of iron post and set a steel sign post alongside. Rebuild the mound of stone, 2½ ft. base, 1½ ft. high, S. of the cor.

S. 74° 39′ W., on line 2-3, New York Lode.

Over nearly level terrain.

15.50 Improved gravel road, bears NNE. and SSW.

22.60 Cor. No. 3, New York Lode, monumented with a wooden post, 4 ft. long, 4½ ins. square, loosely set in a mound of stone, 2½ ft. base, 1½ ft. high, mkd. illegibly, with a wooden post, 5 ft. long, 2½ ins. square, laying alongside, no mks. visible, no mkd. stone found. This position is accepted as the best available evidence of the original cor. position.

At the corner point

Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.

T29N R100W
MS 246
S 1 NY
COR 3
1997

Deposit a white "DEEP-1" magnetic marker at base of iron post and set a steel sign post alongside. Rebuild the mound of stone, 2½ ft. base, 2 ft. high, N. of the cor.

From this point, Cor. No. 3, Mineral Survey No. 90, Caribou Lode, bears N. 46° 13′ E., 1.86 chs. dist., monumented with a granite stone, firmly set, projecting 11x14x3 ins. above the ground, plainly mkd. 3/90 on W. face, in a mound of stone, 2½ ft. base, 1 ft. high, with a wooden post, 4 ft. long, 3 ins. square, laying alongside, with aluminum tag mkd. ARCHEAN SURPRISE NE CORNER.

Dependent Resurvey of Mineral Survey No. 246,
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CHAINS	
	Cor. is located 7.10 chs. W. of the center of gravel road, 30 lks. wide, bears S. 10° E. and N. 10° W., and 7.40 chs. W. of a power line, bears N. 55° E. and S. 55° W.
	N. 17° 49′ W., on line 3-4, New York Lode.
	Over rolling terrain.
6.56	Intersect line 2-3, Mineral Survey N. 90, Caribou Lode, at a point from which Cor. No. 2, bears N. 34° 03′ W., 2.40 chs. dist.
9.025	Cor. No. 4, New York Lode, monumented with a mound of stone, 3 ft. base, 1½ ft. high, no mkd. stone found. Accepted center of mound as the best available evidence of the original cor. position.
	At the corner point
	Set an iron post, 28 ins. long, 2½ ins. diam., 16 ins. in the ground, in a collar of stone, with brass cap mkd.
	T29N R100W S 1 COR 4 NY MS 246 1997
	Deposit a white "DEEP-1" magnetic marker at base of iron post and set a steel sign post alongside. Rebuild the mound of stone, 2½ ft. base, 2 ft. high, N. of the cor.
	From this point, Cor. No. 2, Mineral Survey No. 90, Caribou Lode, bears S. 59° 00′ W., 0.69 chs. dist., monumented with a granite stone, 20x8x8 ins., laying loose, plainly mkd. 2/90, with a steel fence post alongside.
	N. 74° 28′ E., on line 4-1, New York Lode.
	Over gently rolling terrain.
11.60	Improved gravel road, 30 lks. wide, bears NE. and SW.
23.09	Cor. No. 1, New York Lode, identical with Cor. No. 1, Pennsylvania Lode.

Dependent Resurvey of Mineral Survey No. 246,
T. 29 N., Rs. 99 and 100 W., Sixth Principal Meridian, Wyoming

CHAINS	
	PENNSYLVANIA LODE
	From Cor. No. 1, Pennsylvania Lode, identical with Cor. No. 1, New York Lode.
	S. 14° 42′ E., on line 1-2, Pennsylvania Lode, identical with line 1-2, New York Lode.
	Over nearly level terrain.
9.095	Cor. No. 2, Pennsylvania Lode, identical with Cor. No. 2, New York Lode.
	N. 77° 39′ E., on line 2-3, Pennsylvania Lode.
	Over rolling terrain.
20.59	Cor. No. 3, Pennsylvania Lode, monumented with a mound of stone, 1½ ft. base, 1 ft. high, no mkd. stone found. Accepted center of mound as the best available evidence of the original cor. position.
	At the corner point
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T29N R99W MS 246 PENN \ S 6 COR 3 1997
	Deposit a white "DEEP-1" magnetic marker at base of iron post and set a steel sign post alongside. Rebuild the mound of stone, 1½ ft. base, 1 ft. high, N. of the cor.
	From this point, a steel reinforcement rod, ½ in. diam., firmly set, projecting 3 ins. above the ground, bears N. 60° E., 0.95 chs. dist.
	From this same point, a wooden post, 3 ins. square, loosely set, projecting 36 ins. above the ground, no mks. visible, bears N. 71° 21′ E., 2.11 chs. dist.

Dependent Resurvey of Mineral Survey No. 246,
T. 29 N., Rs. 99 and 100 W., Sixth Principal Meridian, Wyoming

CHAINS	
	From this same point, a steel reinforcement rod, ½ in. diam., firmly set. projecting 5 ins. above the ground, in a collar of stone, with a wooden post, 4 ft. long, 4 ins. square, lying alongside, no mks. visible, bears S. 89° 44′ W., 3.03 chs. dist.
	N. 11° 38′ W., on line 3-4, Pennsylvania Lode.
	Over rolling terrain.
9.05	Point for Cor. No. 4, Pennsylvania Lode, at proportionate distance by the method of broken boundary adjustment; there is no remaining evidence of the original cor. position.
	Set an iron post, 28 ins. long, 2½ ins. diam., 24 ins. in the ground, with brass cap mkd.
	T29N R99W COR 4 S 6 PENN MS 246 1997
	Deposit a white "DEEP-1" magnetic marker at base of iron post and set a steel sign post alongside.
	Cor. is located on the S. edge of a reservoir, 200 ft. diam.
	S. 77° 45′ W., on line 4-1, Pennsylvania Lode.
	Over rolling terrain.
21.08	Cor. No. 1, Pennsylvania Lode, identical with Cor. No. 1, New York Lode.

T. 29 N., R. 100 W., Sixth Principal Meridian, Wyoming

CHAINS

GENERAL DESCRIPTION

The area embraced in this survey is situated in the southwest portion of Fremont county, approximately 1½ miles north of Atlantic City, Wyoming. The terrain varies from nearly level to rolling and the elevation ranges from about 8,000 feet to about 8,105 feet above sea level. The soil is primarily sandy loam, with some gravely areas. The vegetation consists of a light to moderate growth of native grasses and aspens.

Drainage is primarily by the Big and Little Atlantic Gulches, with numerous minor draws throughout the area.

Access to the area is provided county roads by way of Wyoming State Highway No. 28 and supplemented by other roads and trials within the immediate vicinity.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD ASSISTANTS

NAMES	CAPACITY
Billy J. Stewart	Surveying Technician
Shane Brodine	Surveying Aid
David Herrin	Surveying Aid

CERTIFICATE OF SURVEY

I, Thomas E. Casinger, Cadastral Surveyor, HEREBY CERTIFY upon honor, that in pursuance of special instructions bearing date of the 23rd day of July, 1996, I have dependently resurveyed Mineral Survey No. 246, Township 29 North, Ranges 99 and 100 West, of the Sixth Principal Meridian, in the State of Wyoming, 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.

MAY 1 8 2000
(Date)

Thomas E. Casinger
(Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Cheyenne, Wyoming

The foregoing field notes of the dependent resurvey of Mineral Survey No. 246, Township 29 North, Ranges 99 and 100 West, of the Sixth Principal Meridian, in the State of Wyoming, executed by Thomas E. Casinger, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

MAY 1 8 2000
(Date)

John P. Lee
(Signature of Authorized Officer)