

Original

4-679
(April 1933)

BOOK 4359

FIELD NOTES

of the

Metes-and-Bounds Survey of bodies of land classified as

mineral bearing, included within the Evening Star No. 1,

Evening Star No. 2, Evening Star No. 3, Evening Star No. 4,

Evening Star No. 5, North Side No. 4, Gray Goose No. 2,

Bonus Mine Tungsten, U & I # 2, Blue Steel, and Double Jack # 4

Mining Claims

in

Sections 7, 12, 13, 14 and 18,

Townships 15 North, Ranges 7 and 8 West,

Of the Gila and Salt River Meridian,

In the State of Arizona

EXECUTED BY

Ty White, Cadastral Engineer,

Bureau of Land Management,

Jan. 20, 1947 and Jan. 22, 1948

Under special instructions dated March 15, 1946, ~~1946~~, which provided

for the surveys included under Group No. 247, bearing the approval of the

Director, Bureau of Land Management

~~Commissioner of the General Land Office~~ under date of August 15, 1946, Feb. 7, 1947 and Nov. 8, 1943.

and assignment instructions dated April 2, 1947.

Survey commenced April 25, 1947

Survey completed April 27, 1948

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INDEX DIAGRAM.

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Township _____, Range _____

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This survey was made with a Buff light mountain solar transit No. 16724, constructed in accordance with the standard specifications of the Bureau of Land Management. The instrument was in good condition, and having been placed in satisfactory adjustment prior to the beginning of the survey, was tested and found free from appreciable error.

All azimuths in this record were determined by solar transit method. The measurements were made with a narrow steel tape, 5 chs. in length, graduated to tenths of a link for the first 10 links, every link for the remainder of the first 100 lks. and the balance at intervals of 10 lks. The tape was tested by comparison with a 1 chain standard steel tape and found correct. The measurements were made on the slope and the vertical angle of each interval was ascertained by a clinometer in good adjustment; the horizontal equivalents only are entered in this field note record.

The data furnished with the special instructions give the geographic position of the SE. cor. of T. 15 N., R. 8 W., as latitude $34^{\circ} 37' 47''$ N. and longitude $113^{\circ} 02' 24''$ W.

April 24, 1947, at camp in the SW. $\frac{1}{4}$ of sec. 14, T. 16 N., R. 7 W., in approximate latitude $34^{\circ} 45' 30''$ N., and longitude $112^{\circ} 56' 21''$ W. as determined from the data given with the special instructions, elevation approximately 5,000 ft., at 6h 36.9m p.m. l.m.t., I make an hour angle observation of Polaris west of the meridian, for azimuth and latitude, making four observations, two each with the telescope in direct and reversed positions, observing simultaneously the vertical angle to Polaris and the horizontal angle from the top of a dead pine tree approximately 20 chs. northeasterly, N-W to Polaris. My watch reads correct Mountain Standard Time as checked by radio time signals.

Mean watch time of observation	7h 08m 48s
Watch fast of l.m.t.	0h 31m 54s
Mean horizontal deflection angle	$28^{\circ} 21' 00''$
Azimuth of Polaris	$1^{\circ} 09' 18''$
True bearing of top of pine tree	N. $27^{\circ} 11' 42''$ E.
Mean observed vertical angle	$34^{\circ} 31' 11.5''$
Reduced latitude	$34^{\circ} 45' 45.5''$ N.

April 26, 1947, at half hour intervals from 8:00 a.m. to 4:00 p.m., I make orientation tests of Buff solar transit No. 16724, including a latitude test by noon observation. The tests give a maximum error in orientation of less than $1' 30''$.

The observed magnetic declination was 15° E.

MINERAL SEGREGATION SURVEY

Metes and bounds survey of land classified as mineral bearing, but not covered by mineral patent survey, in secs. 7 and 18, T. 15 N., R. 7 W. and secs. 12, 13 and 14, T. 15 N., R. 8 W.

EVENING STAR No. 1

The claimant was on the ground, and the position of the claim was identified by location corners in place.

At Cor. No. 1 of the Evening Star No. 1.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the

MINERAL SEGREGATION SURVEY

Chains

ground to bedrock, and in mound of stone to top, with brass cap mkd.



from which

A pinon, 3 ins. diam., bears N. 22½° W., 28 lks. dist., mkd. B T.

A pinon, 6 ins. diam., bears N. 40½° W., 23 lks. dist., mkd. E S No 1 - 1 B T.

The SE. location corner of Evening Star No. 1 could not be found.

Thence

N. 30° 54' E., along line 1-2.

Descend 98. ft. over the NW. slope of a hill.

16.00 Foot of hill, bears NE. and SW., thence over nearly level land.

18.50 Wash, 15 lks. wide, course S. 70° W.

19.642 Cor. No. 2.

Set an iron post, 3 ft. long, 1 in. diam., on solid surface rock, and in a mound of stone to top, with brass cap mkd.



from which

A pinon, 12 ins. diam., bears S. 71½° W., 77 lks. dist., mkd. E S No 1 - 2 B T.

A pinon, 10 ins. diam., bears N. 85½° W., 82 lks. dist., mkd. E S No 1 - 2 B T.

The NE. location corner of Evening Star No. 1, identical with the SE. location corner of Evening Star No. 2, bears S. 53° 46' E., 3.48 chs. dist., and is monumented with a mound of stone, 2 ft. base, 2 ft. high.

N. 53° 46' W., along line 2-3.

Over a broken S. slope.

4.50 Fence, bears N. and S.

8.98 Witness corner for Cor. No. 3.

Set an iron post, 3 ft. long, 1 in. diam., 22 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.



from which

MINERAL SEGREGATION SURVEY

BOOK 4859

Chains

A pinon, 3 ins. diam., bears S. $41\frac{1}{2}^{\circ}$ E., 30 lks. dist., mkd. W C B T.

A pinon, 8 ins. diam., bears S. $35\frac{1}{2}^{\circ}$ W., 92 lks. dist., mkd. W C E S No 1 - B T.

9.13 Cor. No. 3, identical with the NW. location corner of Evening Star No. 1 and the SW. location corner of Evening Star No. 2 and is monumented with a mound of stone, 2 ft. base, 2 ft. high, on top of a boulder, 4x4x4 ft., an unsuitable place to monument the corner.
S. $30^{\circ} 54'$ W., along line 3-4.

Descend 86 ft. over a S. slope.

3.80 Wash, 15 lks. wide, 3 ft. deep, course W.; asc. 251 ft. over a NE. slope.

16.612 Intersect the line bet. secs. 7 and 12, Tps. 15 N., Rs. 7 and 8 W. at a point from which the cor. of secs. 7, 12, 13 and 18, bears SOUTH, 13.057 chs. dist., and is monumented with an iron post, 2 ins. diam., firmly set, mkd. and witnessed as described in the official record.

19.492 Witness corner for Cor. No. 4.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

E S 1

4

W C

1947

from which

A pinon, 12 ins. diam., bears N. $51\frac{1}{2}^{\circ}$ E., 36 lks. dist., mkd. W C E S No 1 - 4 B T.

A pinon, 6 ins. diam., bears N. $80\frac{1}{2}^{\circ}$ E., 76 lks. dist., mkd. W C E S No 1 - B T.

19.642 Cor. No. 4; identical with the SW. location corner, and is monumented with a mound of stone, 2 ft. base, 2 ft. high, built on solid surface rock, near the edge of a cliff which faces S.

S. $53^{\circ} 46'$ E., along line 4-1.

Descend along the top of a ridge.

1.927 Intersect the line bet. secs. 7 and 12 at a point from which the cor. of secs. 7, 12, 13 and 18, bears SOUTH, 9.327 chs. dist., previously described.

4.352 Fence, bears N. and S.; leave top of ridge; asc. along a N. slope.

9.130 Cor. No. 1, and place of beginning.

EVENING STAR No. 2.

The claimant was on the ground, and the position of the claim was identified by location corners in place.

At Cor. No. 1 of Evening Star No. 2.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the

BOOK 4359 MINERAL SEGREGATION SURVEY

Chains ground to bedrock, and in a mound of stone to top, with brass cap mkd.

E S 2
1
1947

from which

A pinon, 5 ins. diam., bears N. 71° E., 128 lks. dist., mkd. B T.

A pinon, 6 ins. diam., bears N. 86½° E., 189 lks. dist., mkd. E S No 2 - 1 B T.

The SW. location corner of Evening Star No. 2, identical with the NW. location corner of Evening Star No. 1, bears N. 77° 57' W., 3,137 chs. dist.

The 4 sec. cor. of secs. 7 and 12, Tps. 15 N., Rs. 7 and 8 W., bears N. 41° 03' W., 17,629 chs. dist., and is monumented with an iron post, 1 in. diam., firmly set, mkd and witnessed as described in the official record.

Thence

S. 77° 57' E., along line 1-2.

Ascend 38 ft. along a S. slope.

1.56 Fence, bears irregularly N. and S.

9.214 Cor. No. 2.

Set an iron post, 3 ft. long, 1 in. diam., on top of a + mkd. on solid surface rock, and in a mound of stone, to top, with brass cap mkd.

E S 2
2
1947

from which

A juniper, 6 ins. diam., bears N. 46° W., 80 lks. dist., mkd. E S No 2 - B T.

A juniper 12 ins. diam., bears N. 62½° W., 110 lks. dist., mkd. E S No 2 - 2 B T.

The SE. location corner of Evening Star No. 2, identical with the NE. location corner of Evening Star No. 1, bears S. 21° 28' W., 5,234 chs. dist.

N. 21° 28' E., along line 2-3.

4.45 Descend 77 ft. over a N. slope.

9.05 Wash, 15 lks. wide, 3 ft. deep, course E.; ascend 111 ft. over a SE. slope.

14.749 Intersect line 4-1 of Evening Star No. 4 at a point from which Cor. No. 4, bears N. 14° 15' E., 4.85 chs. dist.

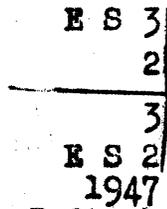
18.002 Cor. No. 3, identical with Cor. No. 2 of Evening Star No. 3; the NE. location corner of Evening Star No. 2, and the location corner of Evening Star No. 3, and is monumented with a mound of stone, 2½ ft. base, 1½ ft. high.

MINERAL SEGREGATION SURVEY

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Chains

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.



raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

N. 77° 57' W., along line 3-4.

Ascend 97 ft. along a S. slope.

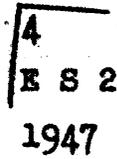
0.410 Intersect line 4-1 of Evening Star No. 4 at a point from which cor. No. 4, bears N. 14° 15' E., 1.641 chs. dist.

4.91 Fence, bears irregularly N. and S.

9.156 Cor. No. 1 of Evening Star No. 3.

9.214 Cor. No. 4.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.



from which

The NW. location corner, identical with the SW. location corner of Evening Star No. 3, bears N. 77° 57' W. 0.59 chs. dist., and is monumented with a mound of stone, 2½ ft. base, 1½ ft. high.

Raise a mound of stone, 3 ft. base, 2 ft. high, SE. of cor.

S. 21° 28' W., along line 4-1.

Descend 231 ft. over a S. slope.

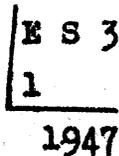
18.002 Cor. No. 1, and place of beginning.

EVENING STAR No. 3.

The claimant was on the ground, and the position of the claim was identified by location corners in place.

At cor. No. 1, on line 3-4 of Evening Star No. 2.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.



from which

The SW. location corner, identical with the NW.

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Chains

location corner of Evening Star No. 2, bears N. 77° 57' W., 0.648 chs. dist.

Raise a mound of stone, 3 ft. base, 2 ft. high, NE. of cor.

Thence

S. 77° 57' E., along line 1-2.

8.746 Intersect line 4-1 of Evening Star No. 4 at a point from which cor. No. 4, bears N. 14° 15' E., 1.641 chs. dist.

9.156 Cor. No. 2, identical with the SE. location corner and No. 3 of Evening Star No. 2.

Thence

N. 18° 55' E., along line 2-3.

Ascend 52 ft. over a SE. slope.

1.654 Intersect line 3-4 of Evening Star No. 4 at a point from which cor. No. 4, bears N. 78° 05' W., 0.545 chs. dist.

10.75 Top of ascent; desc. 73 ft. over a NE. slope.

17.756 Cor. No. 3, identical with the NE. location corner, and is monumented with a mound of stone, 2 ft. base, 2 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.

3
E S 3

1947

from which

A juniper, 12 ins. diam., bears S. 41½° W., 182 lks. dist., mkd. E S No 3 - 3 B T.

A juniper, 6 ins. diam., bears N. 81½° W., 220 lks. dist., mkd. E S No 3 - 3 B T.

N. 77° 57' W., along line 3-4.

Along a N. slope.

1.00 Drain, course N.

8.40 Fence, bears irregularly N. and S.

9.156 Cor. No. 4.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

4
E S 3

1947

from which

A pinyon, 6 ins. diam, bears S. 75½° E., 159 lks. dist., mkd. E S No 3 - 4 B T.

A juniper, 16 ins. diam., bears S. 74° E., 162 lks. dist., mkd. E S No 3 - 4 B T.

MINERAL SEGREGATION SURVEY

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Chains

The NW. location corner, bears N. 7° W., 0.229 chs. dist., and is monumented with a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft., high, built on top of a rock outcrop.

S. $18^{\circ} 55'$ W. along line 4-1.

Ascend 133 ft. over a N. slope.

12.70 Top of a long, high spur, slopes W.; desc. 43 ft. over a S. slope.

17.756 Cor. No. 1 and place of beginning.

EVENING STAR No. 4.

The claimant was on the ground, and the position of the claim was identified by location corners in place.

At cor. No. 1, identical with the SW. location corner, and is monumented with a stone monument, 2 ft. base, $1\frac{1}{2}$ ft. high, built on top of a boulder, 8x8 ft., 10 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., on an X mkd. on top of the boulder, and in a mound of stone, $4\frac{1}{2}$ ft. base, 3 ft. high, with brass cap mkd.

E S 4
1

1947

from which

A pinon, 6 ins. diam., bears N. $47\frac{1}{2}^{\circ}$ E., 25 lks. dist., mkd. E S No 4- 1 B T.

A pinon, 8 ins. diam., bears N. $76\frac{1}{2}^{\circ}$ E., 68 lks. dist., mkd. E S No 4 - 1 B T.

S. $78^{\circ} 05'$ E., along line 1-2.

Along a N. slope.

5.70 Descend 43 ft. over a NE. slope.

9.069 Cor. No. 2, on line 3-4 of North Side No. 4.

Set an iron post, 3 ft. long, 1 in. diam., on solid surface rock. and in a mound of stone, 4 ft. base, 3 ft. high, with brass cap mkd.

E S 4
2

1947

from which

A pinon, 8 ins. diam., bears N. $5\frac{1}{2}^{\circ}$ W., 54 lks. dist., mkd. E S No 4 - 2 B T.

A pinon, 3 ins. diam., bears N. $48\frac{1}{2}^{\circ}$ W., 28 lks. dist., mkd. B T.

The SE. location corner, bears S. $11^{\circ} 38'$ W., 20 lks. dist., and is monumented with a mound of stone, 2 ft. base, $1\frac{1}{2}$ ft. high, built on top of a boulder, 3x3 ft. 4 ft. high.

MINERAL SEGREGATION SURVEY

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Chains

N. 11° 38' E., along line 2-3.

Descend a NE. slope.

- 2.10 Wash, 10 lks. wide, 2 ft. deep, course N. 20° W.; asc. a SW. slope.
- 4.50 Point of a spur, slopes W.; desc. 54 ft. over a NW. slope.
- 9.30 Recross wash, 15 lks. wide, 3 ft. deep, course E.
- 11.00 Wash, 10 lks. wide, 2 ft. deep, course S. 70° E.; asc. 50 ft. over a SE. slope.
- 14.339 Intersect line 2-3 of Evening Star No. 5, at a point from which cor. No. 2, bears N. 63° 33' W., 1.09 chs. dist.
- 18.995 Cor. No. 3, identical with the NE. location corner and is monumented with a mound of stone, 2 ft. base, 1½ ft. high.
Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the crevice of a flat surfaced rock, and in a mound of stone to top, with brass cap mkd.

3
E S 4
1947

raise a mound of stone, 3 ft. base, 2½ ft. high, SW. of cor.

N. 78° 05' W., along line 3-4.

Ascend 154 ft. over an E. slope.

- 0.555 Intersect line 1-2 of Evening Star No. 5, at a point from which cor. No. 2, bears S. 18° 04' W., 4.41 chs. dist.
- 7.661 Intersect line 2-3 of Evening Star No. 3 at a point from which cor. No. 2, bears S. 18° 55' W., 1.654 chs. dist.
- 8.206 Cor. No. 4, identical with the NW. location corner, and is monumented with a mound of stone, 3 ft. base, 1½ ft. high.
Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

4
E S 4
1947

from which

A pinon, 3 ins. diam., bears S. 75½° E., 86 lks. dist., mkd. B T.

A pinon, 3 ins. diam., bears S. 6° W., 52 lks. dist., mkd. B T.

S. 14° 15' W., along line 4-1.

Descend 210 ft. over a S. slope.

- 1.641 Intersect line 3-4 of Evening Star No. 2 and line 1-2 of Evening Star No. 3, at a point from which Cor. No. 3 of Evening Star No. 2, identical with Cor. No. 2 of Evening Star No. 3, bears S. 77° 57' E., 0.41 chs. dist.
- 4.85 Intersect line 2-3 of Evening Star No. 2 at a point from which cor. No. 3, bears N. 21° 28' E., 3.253 chs. dist.

MINERAL SEGREGATION SURVEY

BOOK 4259

Chains
10.40 Wash, 15 lks. wide, 3 ft. deep, course E.; asc. 41 ft. over a N. slope.

19.012 Cor. No. 1, and place of beginning.

EVENING STAR No. 5

The claimant was on the ground, and the position of the claim was identified by location corners in place.

At cor. No. 1, identical with the NW. location corner, and is monumented with a mound of stone, 2 ft. base, 1½ ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 16 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

1947

from which

The ¼ sec. cor. of secs. 6 and 7, T. 15 N., R. 7 W., bears N. 3° 28' W., 25.69 chs. dist., and is monumented with an iron post, 1 in. diam., set in a mound of stone, 2½ ft. base, 2 ft. high, mkd. and witnessed as described in the official record.

Raise a mound of stone, 3 ft. base, 2 ft. high, SE. of cor.

Thence

S. 18° 04' W., along line 1-2.

Descend 42 ft. over a S. slope.

2.75 Side hill drain, course E.; thence along an E. slope:

13.39 Intersect line 3-4 of Evening Star No. 4 at a point from which cor. No. 3, bears S. 78° 05' E., 0.555 chs. dist.

17.80 Cor. No. 2.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.

1947

from which

A pinyon, 8 ins. diam., bears N. 40° E., 105 lks. dist., mkd. E S No 5 - 2 B T.

A pinyon, 12 ins. diam., bears N. 81° E., 137 lks. dist., mkd. E S No 5 - 2 B T.

The SW. location corner, bears S. 18° 04' W., 6.035 chs. dist., and is monumented by a mound of stone, 2 ft. base, 1½ ft. high, built on top of a boulder, 3x3 ft., 3 ft. high.

Chains

S. 63° 33' E., along line 2-3.
Descend 50 ft. over a SE. slope.

1.09 Intersect line 2-3 of Evening Star No. 4 at a point from which cor. No. 3, bears N. 11° 38' E., 4.656 chs. dist.

8.694 Cor. No. 3, identical with the SE. location corner, and is monumented with a mound of stone, 3 ft. base, 3 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground, to bedrock, and in a mound of stone to top, with brass cap mkd.

E S 5 /
3 /

1947

from which

A juniper, 14 ins. diam., bears N. 9½° W., 218 lks. dist., mkd. E S No 5 - 3 B T.

A juniper, 14 ins. diam., bears N. 56½° W., 240 lks. dist., mkd. E S No 5 - 3 B T.

N. 16° 04' E., along line 3-4.

3.80 Wash, 10 lks. wide, course SE.

9.00 Wash, 5 lks. wide, course SE.; asc. 49 ft. over a S. slope.

14.75 Spur, slopes E.; desc. 45 ft. over a N. slope.

17.895 Cor. No. 4, identical with the NE. location corner, and is monumented with a mound of stone, 2 ft. base, 1½ ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.

4 /
E S 5 /

1947

from which

A juniper, 18 ins. diam., bears S. 44° W., 78 lks. dist., mkd. E S No 5 - 4 B T.

A juniper, 14 ins. diam., bears S. 58½° W., 132 lks. dist., mkd. E S No 5 - 4 B T.

N. 63° 33' W., along line 4-1.

Ascend 128 ft. along the S. slope of a spur.

8.063 Cor. No. 1, and place of beginning.

NORTH SIDE No. 4

The claimant was consulted regarding the position of the location corners but was not on the ground at the time the survey was made.

MINERAL SEGREGATION SURVEY

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Chains

Lines 1-2 and 2-3 of this claim are common to lines 3-4 of the North Side No. 1 and North Side No. 5, Sur. No. 4186, respectively and were not retraced.

Beginning at cor. No. 1, identical with cor. No. 3 of North Side No. 1 and cor. No. 2 of North Side No. 3, Sur. No. 4186, which is monumented with an iron post, 3 ft. long, 1 in. diam., set in ground and in mound of stone to top, with brass cap mkd. USMS X NS No 3-2-NS No 1-3-4186, from which

A granite out-crop, 36x48 ins., protruding 60 ins. above ground, bears N. 85° 10' E., 0.727 chs. dist. mkd. X BR NS No 3-2-4186

Thence

N. 53° 25' E., along line 1-2, from mineral survey record.

22.727 Cor. No. 2, identical with cor. Nos 4 of North Side Nos. 1, 2, and 5, Sur. No. 4186, which is monumented with an iron post, 3 ft. long, 1 in. diam., set in ground and in mound of stone to top, for cor. Nos. 4, with brass cap mkd. USMS X NS No 1-4-NS No 2-4-NS No 5-4-4186, from which

A granite boulder, 60x86 ins. diam., 36 ins. above ground, bears S. 4° 48' E., 0.331 chs. dist., mkd. X BR NS No 1-4-4186

Thence

N. 74° 06' W., along line 2-3, from mineral survey record.

11.461 Cor. No. 3, identical with cor. No. 3 of North Side No. 5, Sur. No. 4186, which is monumented with an iron post, 3 ft. long, 1 in. diam., set in ground and in a mound of stone to top, with brass cap mkd. USMS X NS No 5-3-4186, from which

A granite boulder, 72x72 ins., 60 ins. above the ground, bears N. 37° 10' E., 0.281 chs. dist., mkd. X BR NS No 5-3-4186.

Thence

S. 53° 21' W., along line 3-4.

6.20 Wash, 15 lks. wide, 2 ft. deep, course N.

8.30 Ascend 152 ft. over a NE. slope.

16.85 Spur, slopes N.; desc. 30 ft. over a W. slope.

20.40 Ravine, course N.

21.386 Cor. No. 2 of Evening Star No. 4 on line.

22.727 Cor. No. 4.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, with brass cap mkd.

4 N S 4
1947

Chains:

from which

The location corner, bears S. 53° 21' W., 15 lks. dist., and is monumented with a mound of stone, 2 ft. base, 1½ ft. high, built on top of a boulder 3x3 ft., 3 ft. high.

Raise a mound of stone, 3 ft. base, 2½ ft. high, SE. of cor.

Thence

S. 74° 06' E., along line 4-1

Descend 10 ft. over an E. slope.

4.00 Whsh, 10 lks. wide, course N.

11.436 Cor. No. 1, and place of beginning.

GRAY GOOSE No. 22.

The claimant was consulted regarding the position of the location corners but was not on the ground at the time the survey was made.

At cor. No. 1, which is monumented with a mound of stone, 2 ft. base, 2 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., on solid surface rock, and in a mound of stone to top, with brass cap mkd.

G G 2
1

1947

Raise a mound of stone, 3 ft. base, 2 ft. high NW. of cor.

Thence

N. 1° 50' E., along line 1-2.

Descend 66 ft. over the NW. slope of a spur.

5.40 Ravine, course W.; asc. 10 ft. over a S. slope.

8.833 Cor. No. 2.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.

2
G G 2

1947

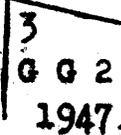
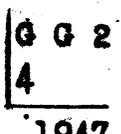
from which

The NE. location corner of the Gray Goose No. 2, bears S. 81° 18' E., 0.185 chs. dist. and is monumented with a scattered mound of stone on top of a rock outcrop.

Raise a mound of stone, 3 ft. base, 2 ft. high, SW. of cor.

MINERAL SEGREGATION SURVEY

ECON 4359

- Chains
N. 81° 18' W., along line 2+3.
Descend 326 ft. along the N. side of a spur.
- 5.638 Intersect the line bet. secs. 7 and 12 at a point from which the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 bears SOUTH, 15.437 chs. dist., and is monumented with an iron post, 1 in. diam., firmly set in a mound of stone, 2½ ft. base, 2 ft. high, mkd. and witnessed as described in the official record.
- 15.30 Boulder Creek, 60 lks. wide, small stream of water, course S.; asc. 50 ft. over an E. slope.
- 16.873 Cor. No. 3, identical with the NW. location corner and is monumented with a mound of stone, 2½ ft. base, 1½ ft. high on top of a boulder, 5 ft. diam., 4 ft. high.
Set an iron post, 3 ft. long, 1 in. diam., on top of boulder and in a mound of stone, 3 ft. base, 3 ft. high, with brass cap mkd.
- 
- raise a mound of stone, 3 ft. base, 3 ft. high, SE. of cor.
S. 1° 50' W., along line 3-4.
Along a steep E. slope.
- 8.418 Cor. No. 4, identical with the SW. location corner and monumented with a mound of stone, 2 ft. base, 2 ft. high.
Set an iron post, 3 ft. long, 1 in. diam., 18 insl in the ground to bedrock and in a mound of stone to top, with brass cap mkd.
- 
- raise a mound of stone, 2 ft. base, 2 ft. high, NE. of cor.
S. 79° 53' E., along line 4-1.
Descend 51 ft. over a steep E. slope.
- 1.75 Center of Boulder Creek, 75 lks. wide, small stream of water, course S.; asc. 343 ft. over a W. slope.
- 11.353 Intersect the sec. line bet. secs. 7 and 12 at a point from which the $\frac{1}{4}$ sec. cor. of secs. 7 and 12 bears SOUTH, 6.705 chs. dist., previously described.
- 16.932 Cor. No. 1, and place of beginning.

BONUS MINE TUNGSTEN

The certified copy of the recorded Notice of Location of this claim shows the name to be "Recolated Bonus Mine Tungsten"

Chains

Mr. Robert Stark, representative of the claimant was on the ground and the position of the claim was identified by location corners in place.

At cor. No. 1 of the Bonus Mine Tungsten mining claim which is monumented with a mound of stone, 2 ft. base, 2 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.



Thence

N. 15° 11' E., along line 1-2.

Ascend 111 ft. over a steep S. slope.

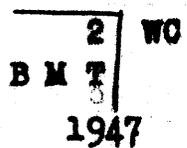
4.00 Ascend 59 ft. over a gradual SW. slope.

8.129 NE. location cor. marked by a mound of stone, 2 ft. base, 2 ft. high, on top of a boulder, 3 ft. in diam.

N. 82° 40' W., along line 2-3.

Descend 126 ft. along the top of a spur.

0.15 Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a mound of stone to top for witness Cor. No. 2, with brass cap mkd.



from which

A juniper, 12 ins. diam., bears S. 23½° W., 85 lks. dist., mkd. W C B M T - 2 B T.

A juniper, 12 ins. diam., bears N. 86° W., 126 lks. dist., mkd. W C B M T - 2 B T.

5.275 Intersect line bet. secs. 13 and 18, Tps. 15 N., Rs. 7 and 8 W. at a point from which the ¼ sec. cor. of secs. 13 and 18; bears SOUTH, 11.08 chs. dist. and is monumented with an iron post, 1 in. diam., firmly set, mkd. and witnessed as described in the official record.

12.82 Wire fence, bears N. and S.; leave top of spur, slopes N. 60° W.; desc. 32 ft. over a W. slope.

16.39 Small drain, course SW.; asc. gradually along a S. slope.

22.727 Cor. No. 3.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.



MINERAL SEGREGATION SURVEY

BOOK 4359

Chains

from which

A pinon, 8 ins. diam., bears S. $58\frac{1}{2}^{\circ}$ E., 226 lks. dist., mkd. B M T - 3 B T.

A juniper, 12 ins. diam., bears S. $20\frac{1}{2}^{\circ}$ E., 89 lks. dist., mkd. B M T - 3 B T.

The NW. location corner of the Bonus Mine Tungsten mining claim, bears N. $82^{\circ} 40'$ W., 0.655 chs. dist. and is monumented with a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high.

S. $15^{\circ} 11'$ W., along line 3-4.

Descend 90 ft. over a S. slope.

4.40 Wash, 15 lks. wide, course NW.; asc. 41 ft. over a N. slope.

9.176 Cor. No. 4.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.

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1947

from which

The SW. location corner, identical with the NE. location cor. of the U & I No. 2 mining claim, bears S. $87^{\circ} 01'$ W., 3.846 chs. dist., and is monumented with a mound of stone, $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, on top of a boulder, 3 ft. in diam., 4 ft. high.

Raise a mound of stone, 3 ft; base, $2\frac{1}{2}$ ft. high, NE. of cor.

S. $85^{\circ} 16'$ E., along line 4-1.

Descend 15 ft. over an E. slope.

5.00 Foot of descent; asc. 86 ft. over a W. slope.

11.80 Wire fence, bears N. and S.

16.25 Spur, slopes S.; desc. 32 ft. over an E. slope.

19.774 Intersect the line bet. secs. 13 and 18, Tps. 15 N., Rs. 7 and 8 W. at a point from which the $\frac{1}{4}$ sec. cor. of secs. 13 and 18, bears SOUTH, 2.813 chs. dist., previously described.

22.894 Cor. No. 1 and the place of beginning.

U & I No. 2.

The recorded Notice of Location of this claim states it is the relocated East Side # 5 mining claim.

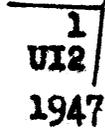
The claimant was on the ground, and the position of the claim was identified by location corners in place. It was stated by the claimant that the general course of the

Chains

lode deposit entered on the recorded Notice of Location of this claim as being NE. and SW. is incorrect.

At Cor. No. 1.

Set an iron post, 3 ft. long, 1 in. diam., 6 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.



from which

The NE. location corner, identical with the SW. location corner of the Bonus Mine Tungsten mining claim, bears S. 72° 45' E., 1.322 chs. dist., and is monumented with a mound of stone, 2½ ft. base, 2½ ft. high, on top of a boulder, 3 ft. diam, 4 ft. high.

Cor. No. 4 of the Bonus Mine Tungsten mining claim, bears S. 87° 52' E., 5.10 chs. dist.

Raise a mound of stone, 3 ft. base, 2 ft. high, SW. of cor.

Thence

N. 72° 45' W., along line 1-2.

Ascend 39 ft. over a NE. slope.

2.85 Top of ascent; desc. 299 ft. over a NE. slope of a spur.

17.377 Cor. No. 2, identical with the NW. location corner, and is monumented with a mound of stone, 2 ft. base, 2 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock, and in a mound of stone to top, with brass cap mkd.



from which

A pinon, 12 ins. diam., bears S. 58° E., 79 lks. dist. mkd. U I No 2 - 2 B T.

A pinon, 8 ins. diam., bears S. 38½° E., 78 lks. dist. mkd. U I No 2 - 2 B T..

The SW. location corner of the Relocated Blue Steel mining claim bears N. 17° 28' W., 5.68 chs. dist., and is monumented with a mound of stone, 3 ft. base, 2½ ft. high.

S. 20° 06' W., along line 2-3.

Descend 27 ft. along a W. slope.

1.85 Wash, 20 lks. wide, 4 ft. deep, course N.; asc. 85 ft. along an E. slope.

8.025 Cor. No. 3, identical with the SW. location corner, and is monumented with a mound of stone, 3 ft. base, 2 ft. high, on top of a rock outcrop, 4 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the crevice of a rock outcrop which is 4 ft. high, with brass

MINERAL SEGREGATION SURVEY

BOOK 4859

Chains

cap mkd.

U I 2
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1947

raise a mound of stone, 2 ft. base, 2 ft. high, NE. of cor., at base of rock outcrop.

S. 71° 56' E., along line 3-4.

Descend 90 ft. over an E. slope.

3.65 Wash, 20 lks. wide, 4 ft. deep, course N. from S. 50° E.; asc. 188 ft. along a SW. slope.

15.50 Top of ascent; desc. gradual SE. slope.

17.363 Cor. No. 4, identical with the SE. location corner which is monumented with a mound of stone, 2 ft. base, 1½ ft. high, on top of a boulder with a sloping surface, an unsuitable place to monument the corner.

N. 20° 06' E., along line 4-1.

Ascend 95 ft. over a SE. slope.

0.15 Set an iron post, 3 ft. long, 1 in. diam., 14 ins. in the ground to bedrock and in a mound of stone to top for witness Cor. No. 4, with brass cap mkd.

U I 2
4
W C
1947

from which

A pinon, 8 ins. diam., bears N. 21° W., 70 lks. dist., mkd. W C U I No 2 - 4 B T.

A pinon, 14 ins. diam., bears N. 41° W., 128 lks. dist., mkd. W C U I No 2 - 4 B T.

7.50 Top of ascent; desc. gradually over a NE. slope.

8.272 Cor. No. 1, and the place of beginning.

Blue Steel

The certified copy of the recorded Notice of Location of this claim shows the name to be "Relocating Blue Steel".

At Cor. No. 1 of the Blue Steel mining claim.

Set an iron post, 3 ft. long, 1 in. diam., 20 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.

1
B S
1947

from which

Chains

A pinon, 10 ins. diam., bears S. 85½° E., 193 lks. dist., mkd. B S - 1 B T.

A pinon, 12 ins. diam., bears S. 53½° E., 300 lks. dist., mkd. B S - 1 B T.

The NW. location corner, bears N. 1° 11' W., 0.982 chs. dist. and is monumented with a mound of stone, 3 ft. base, 2 ft. high.

The ¼ sec. cor. of secs. 12 and 13, T. 15 N., R. 8 W., bears N. 13° 34' E., 14.863 chs. dist. and is monumented with an iron post, 1 in. diam., firmly set in a mound of stone, 4 ft. base, 3 ft. high, mkd. and witnessed as described in the official record.

Thence

S. 1° 11' E., along line 1-2.

Descend 127 ft. over a SW. slope.

2.40 Draw, course W.

9.316 Cor. No. 2.

This corner falls in a wash, 10 lks. wide, course N. 30° W. an unsuitable place to monument the cor.

From this cor. the SW. location cor., bears S. 1° 11' E., 0.982 chs. dist. and is monumented with a mound of stone, 3 ft. base, 2½ ft. high.

N. 73° 32' E., along line 2-3.

Ascend 138 ft. over a W. slope.

0.75 Set an iron post, 3 ft. long, 1 in. diam., 24 ins. in the ground for witness Cor. No. 2, with brass cap mkd.

W C | B S
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1947

Raise a mound of stone, 2½ ft. base, 2 ft. high, NE. of cor.

9.30 Spur, slopes S.; desc. 24 ft. over an E. slope.

11.00 Ravine, course SW.; asc. 156 ft. over a W. slope.

19.367 Cor. No. 3, identical with the SE. location corner, and is monumented with a mound of stone, 3 ft. base, 2½ ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 8 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.

B S |
3
1947

from which

A pinon, 12 ins. diam., bears N. 75½° W., 38 lks. dist., mkd. B S - 3 B T.

MINERAL SEGREGATION SURVEY

BOOK 4259

Chains

A pinon, 10 ins. diam., bears N. $18\frac{1}{2}^{\circ}$ W., 39 lks. dist., mkd. B S - 4 B T.

N. $1^{\circ} 11'$ W., along line 3-4.

Ascend 13 ft. over a S. slope.

1.30 Top of a spur, slopes N. 70° W.; desc. 149 ft. over a N. slope.

7.764 Cor. No. 4.

Set an iron post, 3 ft. long, 1 in. diam., 26 ins. in the ground, with brass cap mkd.

4
B S
1947

from which

A pinon, 8 ins. diam., bears S. $14\frac{3}{4}^{\circ}$ W., 44 lks. dist., mkd. B S - 4 B T.

A pinon, 8 ins. diam., bears S. 73° W., 222 lks. dist., mkd. B S - 4 B T.

The NE. location corner, bears N. 78° E., 3.121 chs. dist., and is monumented with a mound of stone $2\frac{1}{2}$ ft. base, $2\frac{1}{2}$ ft. high, on top of a rock outcrop.

S. $78^{\circ} 00'$ W., along line 4-1.

Ascend 15 ft. along a N. slope.

11.00 Top of ascent; desc. 65 ft. along the top of a spur, slopes W.

19.025 Cor. No. 1, and the place of beginning.

DOUBLE JACK # 4

The claimant was on the ground, and the position of the claim was identified by location corners in place. It was stated by the claimant that the general course of the lode deposit entered on the recorded Notice of Location of this claim as being NE. and SW. is incorrect.

At Cor. No. 1, identical with the NW. location corner which is monumented with a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 30 ins. in the ground, with brass cap mkd.

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D J 4
1948

raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, S. of cor.

Thence,

S. $41^{\circ} 01'$ E., along line 1-2.

Chains

Ascend 223 ft. over a NW. slope.

- 2.845 Intersect the line bet. secs. 13 and 14, T. 15 N., R. 8 W., at a point from which the $\frac{1}{2}$ sep. cor. of secs. 13 and 14, bears S. $0^{\circ} 01'$ E., 5.06 chs. dist. and is monumented with an iron post, 1 in. diam., firmly set in a mound of stone, 4 ft. base, 3 ft. high, mkd. and witnessed as described in the official record.

- 14.68 Cor. No. 2.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.

D J 4
2
1948

from which

The SW. location corner, bears S. $41^{\circ} 01'$ E., 3.43 chs. dist., and is monumented with a mound of stone, 3 ft. base, 2 ft. high,

Raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high N. of cor.

N. $56^{\circ} 34'$ E., along line 2-3.

Ascend 52 ft. over a W. slope.

- 5.56 Cor. No. 3., identical with the SE. location corner and is monumented with a mound of stone, 3 ft. base, 3 ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 18 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.

D J 4
3
1948

raise a mound of stone, 3 ft. base, $2\frac{1}{2}$ ft. high, N. of cor.

N. $30^{\circ} 45'$ W., along line 3-4.

Descend 273 ft. over a NW. slope.

- 10.50 Drain, course NE.; asc. 37 ft. over a SE. slope.

- 14.58 Cor. No. 4, identical with the NE. location corner and is monumented with a mound of stone, 3 ft. base, $3\frac{1}{2}$ ft. high.

Set an iron post, 3 ft. long, 1 in. diam., 12 ins. in the ground to bedrock and in a mound of stone to top, with brass cap mkd.

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D J 4
1948

MINERAL SEGREGATION SURVEY

BOOK 4859

Chains

raise a mound of stone, 3 ft. base, 2½ ft. high, W. of cor.

S. 56° 34' W., along line 4-1.

Ascend 18 ft. over an E. slope.

3.80 Spur, slopes NE.; desc. 28 ft. over a NW. slope.

5.93 Intersect the line bet. secs. 13 and 14, T. 15 N., R. 8 W. at a point from which the ¼ sec. cor. of secs. 13 and 14, bears S. 0° 01' E., 8.44 chs. dist., previously described.

8.17 Cor. No. 1, and place of beginning.

East Side # 4

Mr. Claude O. Eckel, co-owner of the East Side group of mining claims states that the entire group was abandoned in 1937. Mr. Robert Stark, representing the owner on the ground was unable to determine the location of the East Side # 4 mining claim. The address of Mr. R. J. Cook the other owner of this claim is unknown.

Final Test of Solar Orientation

April 27: On the meridian established April 24, 1947, at 9h 00m a.m. app. t., I set off 34° 45' 45" N. on the lat. arc; 13° 57' 49" N., on the decl. arc; and orient the instrument with the solar; the line of sight agrees with the meridian established by Polaris observation.

At 3h 00m p.m. app. t., I set off 34° 45' 45" N. on the lat. arc; 14° 02' 37" N., on the decl. arc; and repeat the test of the solar; the line of sight agrees with the meridian established by Polaris observation.

April 27, 1948.

4-680
(Revised May 1934)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GENERAL LAND OFFICE
Bureau of Land Management

FIELD ASSISTANTS

NAMES	CAPACITY
John G. Coverdale	Truckdriver and Moundsman.
Charles W. Shadle	" " "
Robert D. Stevens	Principal Assistant.
John A. Larson	Chairman.
Samuel R. Hickerson	" and Axeman.
Wesley H. Shadle	Chairman.
Oscar W. Leaford	Flagman.
Dale H. Shadle	"
James H. Stutte, Jr.	Axeman and Moundsman.
Theodore Cole	Axeman.
Edward L. Johnson	Axeman.
Carl P. Lyons	Axeman.

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23

BOOK 4359

CERTIFICATE OF SURVEYOR

I, Ty White, Cadastral Engineer, HEREBY CERTIFY upon honor that, in pursuance of special instructions bearing date of the 15th day of March, 1946, received from the regional ~~district~~ cadastral engineer for Arizona, with assignment instructions dated April 2, 1947, I have surveyed ~~executed~~ executed a Metes-and-Bound Survey of bodies of land classified as mineral bearing, included within the Evening Star No. 1, Evening Star No. 2, Evening Star No. 3, Evening Star No. 4, Evening Star No. 5, North Side No. 4, Gray Goose No. 2, Bonus Mine Tungsten, U & I # 2, Blue Steel, and Double Jack No. 4 mining claims in Sections 7, 12, 13, 14 and 18, Townships 15 North, Ranges 7 and 8 West

of the Gila & Salt River Meridian, in the State of Arizona, 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 instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, and in the specific manner described in the foregoing field notes.

Phoenix, Arizona
May 10, 1948.

Ty White
Cadastral Engineer.

CERTIFICATE OF APPROVAL

Bureau of Land Management,
~~Office of Supervisor of Surveys,~~
Washington, D. C.

DEC 6 1948, 19

The foregoing field notes of the survey of Metes-and-Bounds Survey of bodies of land classified as mineral bearing, included within the Evening Star No. 1, Evening Star No. 2, Evening Star No. 3, Evening Star No. 4, Evening Star No. 5, North Side No. 4, Gray Goose No. 2, Bonus Mine Tungsten, U & I # 2, Blue Steel, and Double Jack # 4 Mining Claims in Sections 7, 12, 13, 14 and 18, Townships 15 North, Ranges 7 and 8 West, Gila and Salt River Meridian, Arizona,

executed by Ty White, Cadastral Engineer, 22, 1948, under special instructions dated March 15, 1946, Jan. 20, 1947 and Jan., and assignment instructions dated April 2, 1947, having been critically examined, and the necessary corrections made prior to their certification by the engineer, the said field notes, and the survey therein described, are hereby approved.

(Sgd.) Earl G. Harrington

~~Chief, Branch of Engineering and Construction,~~
Supervisor of Surveyor
Assistant Chief, Division of Engineering

CERTIFICATE OF TRANSCRIPT

I CERTIFY that the foregoing transcript of the field notes of the above-described surveys in Tps. 15 N., Rs. 7 and 8 W., is a true copy of the original field notes on file in the public survey office.

Earl G. Harrington
Supervisor of Surveyor
~~Chief, Branch of Engineering and Construction,~~
Assistant Chief, Division of Engineering