

Form 3400-11
(September 1967)
(formerly 4-683)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number
4737

State
Arizona

Land District
Arizona

Of the Survey of the Mining Claim of *(name and address of Claimant)*

Bagdad Copper Corporation
P.O. Box 245
Bagdad, AZ 86321

Known as the *(name of group, if any)*

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

| NAME OF LOCATION | DATE | |
|-------------------------------|-----------|-----------|
| | LOCATED | AMENDED |
| Copper Toe Amended | 9/1/1906 | 2/23/1973 |
| Sunset Addition No. 1 Amended | 1/18/1910 | 2/23/1973 |

| | | | | |
|-------------------------------|----------------------|-------------------------------|--|---------------------------------------|
| Mining district Eureka | | | County Yavapai | |
| Section 4 | Township 14 North | Range 9 West | Meridian G. & S.R.M. | Survey under order dated 5/17/1973 |
| Survey commenced 5/20/1973 | | Survey completed 11/5/1979 | Name of Mineral Surveyor Louis A. Cornejo | |

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

1957

April 20th

1957

Badger Canyon
P.O. Box 242
Hatch, N.M.

Area of land (approx. 1000 ac.)

Location of location marked on map

DATE

LOCALITY

NAME OF LOCATION

Location for Badger

Number 242 for P.O. Hatch

| DATE | LOCALITY | NAME OF LOCATION | DESCRIPTION |
|------|----------|------------------|-------------|
| 1957 | | | |
| 1957 | | | |
| 1957 | | | |
| 1957 | | | |

FEET

This survey was made with a Wild T-16 theodolite, No. 54727 with horizontal limb 3.125 ins. diam., having one optical reading vernier and a full vertical circle 3.125 ins. diam., having one optical reading vernier; the verniers read to one minute of arc; the eyepiece is equipped with a colored shade set in the dust shutter for making direct observations of the sun. The instrument was in good condition at the time of the survey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian determined by the following observation:

Sept. 14, 1973 at Cor. No. 1 of the Copper Toe Amended lode, in latitude $34^{\circ}34'50''N.$, and longitude $113^{\circ}12'07''W.$, elevation 3,825. ft. above sea level, and temperature $82^{\circ}F.$, make a series of six altitude observations on the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point about 600. ft. Northward to the sun.

Mean time of observation,
105th meridian standard
time = $8^h49^m07^s$ a.m.

Declination of sun at mean
time of observation = $3^{\circ}17'48''N.$

Mean observed vertical
angle to sun's center = $30^{\circ}16'12''$

Mean horizontal angle from
reference point to sun's
center = $108^{\circ}33'20''$

True bearing to reference
point = $N.0^{\circ}10'38''E.$

The lines were measured with a K & E steel tape, 301. ft. in length, graduated every foot for 300. ft. and the remaining foot graduated to tenths and hundredths; the tape was compared with a 200. ft. standard tape at the beginning of the survey and found to be correct.

All lines and connections of this survey were run by direct methods.

The magnetic declination observed at each corner of the survey gave a uniform value of $14^{\circ}40'E.$

Mineral Survey No. 4737

| FEET | |
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| | COPPER TOE AMENDED LODE |
| | At Cor. No. 1 of the Copper Toe Amended lode, identical with the 1/4 sec. cor. of secs. 3 and 4, T.14 N., R.9 W., G. & S.R.M., monumented with an iron post, 1 in. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. C.T.1 U.S.M.S. 4737. |
| | Thence N.89°50'08"W. |
| 310. | Center of unimproved dirt road, 50. ft. wide, bears N.6°E. and South. |
| 632.56 | Intersect line 3-4, M.S. No. 2818, South Bagdad lode, at a point from which Cor. No. 3 bears N.47°05'38"W., 256.07 ft. dist. |
| 1,000.00 | Cor. No. 2, on the East-West mid-section line of sec. 4, at a point from which the 1/4 sec. cor. of secs. 4 and 5 bears N.89°50'08"W. |
| | Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X C.T.2 U.S.M.S. 4737; from which |
| | Cor. No. 3, M.S. No. 2818, South Bagdad lode, bears N.46°04'12"E., 249.76 ft. dist. |
| | Cor. No. 3, M.S. No. 2818, South Spring lode, identical with Cor. No. 5 of the Copper Creek lode of the same survey, bears N.52°52'31"E., 398.41 ft. dist. |
| | A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post. |
| | Thence N.0°10'38"E. |
| 85.70 | Intersect line 2-3, M.S. No. 2818, South Bagdad lode, in part common with line 3-4 South Spring lode of the same survey, at a point from which Cor. No. 3 bears N.64°00'22"E., 199.82 ft. dist. and Cor. No. 3 of the South Spring lode, identical with Cor. No. 5 of the Copper Creek lode of the same survey, bears N.64°00'22"E., 353.12 ft. dist. |
| 300. | Lode line; discovery point bears S.89°50'08"E., 600. ft. dist. |
| 534.18 | Intersect line 2-3, M.S. No. 2818, South Spring lode, common with line 5-6 Copper Creek lode of the same survey, at a point from which Cor. No. 3, identical with Cor. No. 5 of the Copper Creek lode bears S.47°05'38"E., 431.43 ft. dist. |
| 600.00 | Cor. No. 3. |
| | Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X C.T.3 U.S.M.S. 4737; from which |

| FEET | |
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| | <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>Thence S.89°50'08"E.</p> |
| 400. | Cor. No. 2 Sunset Addition No. 1 Amended lode of this survey. |
| 657.31 | Intersect line 3-4, M.S. No. 2818, Copper Creek lode, at a point from which Cor. No. 4 bears S.47°05'38"E., 184.14 ft. dist. |
| 770. | Center of unimproved dirt road, 50. ft. wide bears N.6°E. and S.6°W. |
| 1,000.00 | <p>Cor. No. 4, identical with Cor. No. 1 of the Sunset Addition No. 1 Amended lode of this survey and on the line between secs. 3 and 4.</p> <p>Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X C.T.4 S.A.1 1 U.S.M.S. 4737; from which</p> <p>Cor. No. 4, M.S. No. 2818, Copper Creek lode, bears S.59°05'56"W., 242.19 ft dist.</p> <p>A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>Thence S.0°10'38"W.</p> |
| 300. | Lode line; discovery point bears N.89°50'08"W., 400. ft. dist. |
| 600.00 | Cor. No. 1, and place of beginning. |
| | <p style="text-align: center;">SUNSET ADDITION No. 1 AMENDED LODE</p> <p>Beginning at Cor. No. 1 of the Sunset Addition No. 1 Amended lode, identical with Cor. No. 4 of the Copper Toe Amended lode of this survey and on the line between secs. 3 and 4; from which</p> <p>The 1/4 sec. cor. of secs. 3 and 4 bears S.0°10'38"W., 600. ft. dist., heretofore described.</p> <p>Cor. No. 2, M.S. No. 3982, Sunset No. 4 lode, bears N.16°22'43"W., 417. ft. dist.</p> <p>Thence N.89°50'08"W.</p> |
| 230. | Center of unimproved dirt road, 50. ft. wide, bears N.6°E. and S.6°W. |
| 300. | Lode line; discovery point bears N.0°10'38"E., 100. ft dist. |
| 342.69 | Intersect line 3-4, M.S. No. 2818, Copper Creek lode, at a point from which Cor. No. 4 bears S.47°05'38"E., 184.14 ft. dist. |

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| 600. | <p>Cor. No. 2, on line 3-4 Copper Toe Amended lode of this survey.</p> <p>Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X S.A.1 2 U.S.M.S. 4737; from which</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p style="text-align: center;">Thence N.0°10'38"E.</p> |
| 163.38 | <p>Intersect line 2-3, M.S. No. 3982, Sunset No. 4 lode, at a point from which Cor. No. 2 bears N.64°00'22"E., 536.14 ft. dist.</p> |
| 237.74 | <p>Intersect line 3-4, M.S. No. 2818, Copper Creek lode, at a point from which Cor. No. 3 bears N.47°05'38"W., 218.28 ft. dist.</p> |
| 1,500.00 | <p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X S.A. 1 3 U.S.M.S. 4737; from which</p> <p style="padding-left: 40px;">Cor. No. 2, M.S. No. 3982, Sunset No. 3 lode, bears S.26°35'02"E., 355.68 ft dist.</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p style="text-align: center;">Thence S.89°50'08"E.</p> |
| 29.87 | <p>Intersect line 1-2, M.S. No. 3982, Sunset No. 4 lode, in part common with line 2-3 Sunset No. 3 lode of the same survey, at a point from which Cor. No. 2 bears S.22°07'38"E., 1,189.13 ft. dist. and Cor. No. 2 of the Sunset No. 3 lode bears S.22°07'38"E., 343.27 ft. dist.</p> |
| 300. | <p>Lode line; discovery point bears S.0°10'38"W., 1,400. ft. dist.</p> |
| 490.17 | <p>Intersect the westerly line of the Sunset Addition No. 2 Amended lode (unsurveyed), at a point from which the Southwest Cor. bears S.22°07'38"E., 168.67 ft. dist.</p> |
| 600.00 | <p>Cor. No. 4, on the line between secs. 3 and 4.</p> <p>Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X S.A.1 4 U.S.M.S. 4737; from which</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p style="text-align: center;">Thence S.0°10'38"W.</p> |

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| 137.28 | Intersect line 1-2, M.S. No. 3982, Sunset No. 3 lode, at a point from which Cor. No. 2 bears S.67°52'22"W., 475.42 ft. dist. and the southerly line of the Sunset Addition No. 2 Amended lode (unsurveyed), at a point from which the Southwest Cor. bears S.67°52'22"W., 49.52 ft. dist. |
| 730. | Center of unimproved dirt road, 50. ft. wide, bears N.35°E. and S.35°W. |
| 1,500.00 | Cor. No. 1, and place of beginning. |

Mineral Survey No. 4737

| AREAS | Acres |
|---|--------|
| Total area Copper Toe Amended lode- | 13.774 |
| Area in conflict with - | |
| M.S. No. 2818, South Bagdad lode ----- | 0.909 |
| M.S. No. 2818, South Spring lode ----- | 1.632 |
| M.S. No. 2818, Copper Creek lode ----- | 3.990 |
| Total area Sunset Addition No. 1 | |
| Amended lode ----- | 20.661 |
| Area in conflict with - | |
| M.S. No. 2818, Copper Creek lode ----- | .702 |
| M.S. No. 3982, Sunset No. 4 lode ----- | 7.759 |
| M.S. No. 3982, Sunset No. 4 lode, exclusive of its conflict with M.S. No. 2818, Copper Creek lode ----- | 7.714 |
| M.S. No. 3982, Sunset No. 3 lode ----- | 2.772 |

LOCATION

This survey is located in the NE 1/4, Sec. 4 of T.14 N., R.9 W. of the Gila and Salt River Meridian.

The survey of the Copper Toe Amended lode and the Sunset Addition No. 1 Amended lode is identical with the respective location or amended location as marked on the ground.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimant or its grantors are as follows:

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|-------|--|
| No. 1 | The discovery point of the Copper Toe Amended lode is on the center line, 400. ft. from a point on line 4-1, 300. ft. from Cor. No. 4. Value: None |
| No. 2 | A drill hole, No. 5-76 bears N.3°15'W., 262.5 ft. from Cor. No. 1 of the Copper Toe Amended lode; 2 1/4 ins. diam. in size, 2,215. ft. deep. Value: \$37,500.00 |

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| No. 3 | A drill hole, No. 9-54 bears N.18°45'E., 188.6 ft. from Cor. No. 2 of the Copper Toe Amended lode; 2 1/4 ins. diam. in size, 550. ft. deep. Value: \$3,850.00 |
| No. 1 | The discovery point of the Sunset Addition No. 1 Amended lode is on the center line, 100 ft. from a point on line 1-2, 300. ft. from Cor. No. 1. Value: None |
| No. 2 | A drill hole, No. 14-73 bears N.41°15'E., 205.0 ft. from Cor. No. 2 of the Sunset Addition No. 1 Amended lode; 2 1/4 ins. diam. in size, 3,635. ft. deep. Value: \$38,168.00 |
| No. 3 | A drill hole, No. 12-74 bears N.27°05'W., 732.5 ft. from Cor. No. 1 of the Sunset Addition No. 1 Amended lode; 2 1/4 ins. diam. in size, 3,545. ft. deep. Value: \$34,032. |
| No. 4 | A drill hole, No. 1-54 bears S.45°05'E., 404.5 ft. from Cor. No. 3 of the Sunset Addition No. 1 Amended lode; 2 1/4 ins. diam. in size, 1,106. ft. deep. Value: \$7,742.00 |
| No portion of or interest in these improvements has been credited heretofore as patent expenditures to any lode claim. | |
| OTHER CORNER DESCRIPTIONS and SUPPLEMENTAL DATA | |
| M.S. No. 2818, South Bagdad lode: Cors. Nos. 3 and 4 are pine posts 4 x 4 ins., in size, 4 ft. above ground, in a mound of earth and stone. The inscribed data are partially identifiable. Line 4-5 is shown as approved. Line 2-3, in part common with line 3-4 South Spring lode of the same survey, from Cor. No. 4 of the South Spring lode, identical with Cor. No. 3 of the East Bagdad lode, both of the same survey, to Cor. No. 3, was found to be N.64°00'22"E., 376.7 ft., instead of N.64°3'E., 376.7 ft., as approved. Line 3-4 was found to be S.47°05'38"E. 573.6 ft., instead of S.47°3'E., 573.6 ft., as approved. | |
| M.S. No. 2818, South Spring lode: Cors. Nos. 1, 2, 3 and 4 are pine posts 4 x 4 ins. in size, 4 ft. above ground, in a mound of earth and stone. The inscribed data are partially identifiable. Lines 1-2 and 4-1 are shown as approved. Line 2-3, common with line 5-6 Copper Creek lode of the same survey, was found to be S.47°05'38"E., 752.7 ft., instead of S.47°3'E., 752.7 as approved. Line 3-4, in part common with line 2-3 South Bagdad lode of the same survey, was found to be S.64°00'22"W., 530. ft., instead of S.64°3'W., 530. ft., as approved. | |

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M.S. No. 2818, Copper Creek lode: Cors. Nos. 1, 2, 3, 4 and 5 are pine posts 4 x 4 ins. in size, 4 ft. above ground, in a mound of earth and stone. Cor. No. 6 is a pine post 4 x 4 ins. in size, 5 ft. long, set on a basalt boulder 4 x 5 ft. in size, 3 ft. above ground, in a mound of earth and stone. The inscribed data are partially identifiable. Lines 1-2, 2-3 and 6-1 are shown as approved. Line 3-4 was found to be S.47°05'38"E., 752.7 ft., instead of S.47°3'E., 752.7 ft., as approved. Line 4-5, was found to be S.64°00'22"W., 530. ft. instead of S.64°3'W., 530. ft., as approved. Line 5-6, common with line 2-3 South Spring lode of the same survey, described above.

M.S. No. 3982, Sunset No. 4 lode: Cors. Nos. 1, 2, 3 and 4 are a 3/4 in. pipe, 3 ft. above ground, set in a mound of earth and stone, with a brass cap properly mkd. Lines 3-4 and 4-1 are shown as approved. Line 1-2, in part common with line 2-3 Sunset No. 3 lode of the same survey, was found to be S.22°07'38"E., 1,500. ft., instead of S.22°05'E., 1,500. ft., as approved. Line 2-3 was found to be S.64°00'22"W., 600. ft., instead of S.64°03'W., 600. ft., as approved.

M.S. No. 3982, Sunset No. 3 lode: Cors. Nos. 1 and 2 are a 3/4 in. pipe, 3 ft. above ground, set in a mound of earth and stone, with a brass cap properly mkd. Line 4-1 is shown as approved. Line 1-2 was found to be S.67°52'22"W., 600. ft., instead of S.67°55'W., 600. ft., as approved. Line 2-3, in part common with line 1-2 Sunset No. 4 lode of the same survey, was found to be N.22°07'38"W., 1,500. ft., instead of N.22°05'W., 1,500. ft., as approved.

MEMORANDUM
 None

FIELD ASSISTANTS

| Name | Capacity |
|------------------|---------------|
| Orville T. Owens | Instrumentman |
| Mike Davis | Chainman |

FEET

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

| | |
|---|--------------------------|
| Name of Mineral Surveyor Louis A. Cornejo | Date 11/5/1979 |
|---|--------------------------|

I HEREBY CERTIFY That in pursuance of an order received from the Chief, Branch of Cadastral Survey, Bureau of Land Management, at Phoenix, AZ, dated May 17, 1973, I have carefully executed the survey of the claim of Bagdad Copper Corporation known as the (lode, placer, or mill site) Copper Toe Amd. & Sunset Addition No. 1 Amd. lodes situated in Sec. 4, Eureka M.D., Yavapai County, Township 14 N., Range 9 W., Gila & Salt River Meridian, in the State of Arizona.

This survey, designated as number 4737, has been executed by me and under my direction and has been made in strict conformity with said order, the Manual of Instructions for the Survey of Public Lands of the United States, and in specific manner described in the foregoing field notes.

I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) Copper Toe Amd. & Sunset Addition No. 1 Amd. lodes location(s) embraced in the said mining claim by claimant(s) or its grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

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| Parker, Arizona (Location) | <i>Louis A. Cornejo</i> (Signature of Mineral Surveyor) |
|-------------------------------|--|

CERTIFICATE OF APPROVAL

| |
|--------------------------------|
| Office Arizona State Office |
| Location Phoenix, Arizona |
| Date June 19, 1980 |

The foregoing field notes of mineral survey number 4737, in Section 4, Range 9 W., Gila and Salt River Meridian, in the State of Arizona, surveyed unsurveyed Township 14 N., executed by Louis A. Cornejo, Mineral Surveyor, under order dated May 17, 1973, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.

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| <i>Boyd S. Owens</i> (Authorized Signature) | Chief, Branch of Cadastral Survey (Title) |
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CERTIFICATE OF TRANSCRIPT

I HEREBY CERTIFY That the foregoing transcript of field notes of the above-described mineral survey number is a true copy of the original field notes.

| | |
|------------------------|---------|
| (Authorized Signature) | (Title) |
|------------------------|---------|

Title 18, U.S.C. section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

THE UNIVERSITY OF CHICAGO

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (942)
BUREAU OF LAND MANAGEMENT
ARIZONA STATE OFFICE

NOTICE OF CANCELLATION OF MINERAL SURVEY

The Copper Toe Amended and the Sunset Addition No. 1 Amended lodes, Mineral Survey No. 4737, located in section 4, Township 14 North, Range 9 West, Gila and Salt River Meridian, Arizona, are hereby cancelled.

This cancellation was requested by W.J. Lampard, General Manager, Cyprus Bagdad Copper Corporation, Bagdad, Arizona, by letter dated January 27, 1988, in order that the lands could be relotted to facilitate a land exchange involving the Bureau of Land Management, Arizona State Land Department and Cyprus Bagdad Copper Corporation.

OCT 05 1988

Date

James P. Kelley

Chief Cadastral Surveyor of Arizona

