

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey number

4779

State

Arizona

Land District

Arizona

FIELD NOTES

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

Cyprus Mines Corporation
Cyprus Bagdad Copper Co.
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
BLACK MESA GAP	10/02/73	

Mining district Eureka			County Yavapai	
Section 5 & 32	Township 14 & 15 N	Range 9 W	Meridian G. & S.R.M.	Survey under order dated 3/25/74
Survey commenced 3/26/74		Survey completed 5/24/80	Name of Mineral Surveyor Louis A. Cornejo	

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Section 16
T. 12 N.
R. 10 E.

Section 16, Township 12 North, Range 10 East

July 15, 1954

Section 16, Township 12 North, Range 10 East

Area

Section 16

160.00

Section 16	160.00	160.00	160.00
Section 17	160.00	160.00	160.00
Section 18	160.00	160.00	160.00
Section 19	160.00	160.00	160.00
Section 20	160.00	160.00	160.00
Section 21	160.00	160.00	160.00
Section 22	160.00	160.00	160.00
Section 23	160.00	160.00	160.00
Section 24	160.00	160.00	160.00
Section 25	160.00	160.00	160.00
Section 26	160.00	160.00	160.00
Section 27	160.00	160.00	160.00
Section 28	160.00	160.00	160.00
Section 29	160.00	160.00	160.00
Section 30	160.00	160.00	160.00

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:

May 23, 1980 at Cor. No. 1 of the BLACK MESA GAP lode, in latitude $34^{\circ}35'15''N.$, and longitude $113^{\circ}13'35''W.$, elevation 3,019 ft. above sea level, and temperature $64^{\circ}F.$, 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 1,400 ft. northwestward NE to the sun.

Mean time of observation,
105th meridian standard
time = $8^h50^m20^s$ a.m.

Declination of sun at mean
time of observation = $20^{\circ}41'25''N.$

Mean observed vertical
angle to sun's center = $40^{\circ}06'57''$

Mean horizontal angle from
reference point to sun's
center = $142^{\circ}18'16''$

True bearing to reference
point = $N.51^{\circ}10'56''W.$

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. 4779

FEET		
	<p>At Cor. No. 1 of the BLACK MESA GAP lode.</p> <p>Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X BMG 1 U.S.M.S. 4779; from which</p> <p>The 1/4 sec. cor. of secs. 5 and 32, Ts.14 & 15 N., R.9 W., Gila & Salt River Mer., bears N.84°55'06"W., 1,833.69 ft. dist., monumented with an iron post, 1 in. diam., 12 ins. above ground, firmly set with a brass cap, properly mkd.</p> <p>Cor. No. 5, M.S. No. 764 Amd., Natural Point lode bears N.12°45'09"E., 652.69 ft. dist.</p> <p>Cor. No. 6, M.S. No. 766 Amd., Black Mesa lode bears N.11°52'50"W., 716.30 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 style="text-align: center;">Thence N.13°25'W.</p>	
998.71	Intersect line 4-1, M.S. No. 2818, COPPER SULPHURETS lode, at a point from which Cor. No. 4, identical with Cor. No. 1 of the ETA lode of the same survey, bears N.55°50'E., 15.64 ft. dist.	
1,000.00	<p>Cor. No. 2, on line 3-4, M.S. No. 2818, COPPER SLOPE lode.</p> <p>Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X BMG 2 U.S.M.S. 4779; from which</p> <p>Cor. No. 4, M.S. No. 2818, COPPER SLOPE lode bears N.64°03'E., 294.88 ft. dist.</p> <p>Cor. No. 4, M.S. No. 2818, COPPER SULPHURETS lode, identical with Cor. No. 1 of the ETA lode of the same survey, bears N.64°03'E., 14.98 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 style="text-align: center;">Thence N.64°03'E.</p>	
14.98	Cor. No. 4, M.S. No. 2818, COPPER SULPHURETS lode, identical with Cor. No. 1 of the ETA lode of the same survey.	
159.18	Intersect line 5-6, M.S. No. 766 Amd., Black Mesa lode, at a point from which Cor. No. 6 bears S.9°44'W., 346.4 ft. dist.	
270.	Center of road, 60 ft. wide, bears N.3°E. and S.3°W.	
294.88	Cor. No. 4, M.S. No. 2818, COPPER SLOPE lode, on line 4-1 ETA lode of the same survey.	

FEET	
300.00	Lode line; discovery point bears S.13°25'E., 475 ft. dist.
500.58	Cor. No. 2, M.S. No. 2818, COPPER FILLING lode, on line 4-1 ETA lode of the same survey.
600.00	Cor. No. 3, on line 4-1, M.S. No. 2818, ETA lode, in part common with line 2-3 of the COPPER FILLING lode of the same survey.
	Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X BMG 3 U.S.M.S. 4779; from which
	Cor. No. 4, M.S. No. 2818, ETA lode, identical with Cor. No. 1 of the IOTA lode of the same survey, bears N.64°03'E., 14.98 ft. dist.
	Cor. No. 2, M.S. No. 2818, COPPER FILLING lode bears S.64°03'W., 99.42 ft. dist.
	A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.
	Thence S.13°25'E.
417.69	Intersect line 1-2, M.S. No. 2818, COPPER FILLING lode, at a point from which Cor. No. 2 bears N.27°11'W., 407.83 ft. dist.
543.37	Intersect line 4-5, M.S. No. 764 Amd., Natural Point lode, at a point from which Cor. No. 5 bears S.76°23'W., 297.85 ft. dist.
615.28	Intersect line 2-3, M.S. No. 766 Amd., Black Mesa lode, at a point from which Cor. No. 2 bears S.9°44'W., 45.47 ft. dist.
1,000.00	Cor. No. 4. Set an iron post, 30 ins. long, 1 in. diam., 20 ins. in the ground, insert an aluminum cap, mkd. X BMG 4 U.S.M.S. 4779; from which A wood post, 4 x 4 ins. in size, 4 ft. above ground, sets adjacent to the iron post.
	Thence S.64°03'W.
270.	Center of road, 70. ft. wide, bears N.40°W. and S.40°E.
300.00	Lode line; discovery point bears N.13°25'W., 525. ft. dist.
305.12	Intersect line 5-6, M.S. No. 764 Amd., Natural Point lode, common with line 4-1, M.S. No. 2818, COPPER SLOPE lode at a point from which Cor. No. 5 of the Natural Point lode bears N.13°25'W., 521.80 ft. dist. and Cor. No. 4 of the COPPER SLOPE lode bears N.13°25'W., 1,000.00 ft. dist.

FEET

390. Center of road, 70. ft. wide, bears N.40°W. and S.40°E.

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

 Mineral Survey No. 4779

AREAS

Acres

Total area BLACK MESA GAP lode --- 13.446
 Area in conflict with -
 M.S. No. 764 Amd., Natural Point lode - 3.345
 M.S. No. 766 Amd., Black Mesa lode ---- 5.738
 M.S. No. 766 Amd., Black Mesa lode,
 exclusive of its conflict with M.S.
 No. 764 Amd., Natural Point lode - 5.367
 M.S. No. 2818, COPPER FILLING lode ---- 0.465
 M.S. No. 2818, COPPER FILLING lode,
 exclusive of its conflict with M.S.
 No. 766 Amd., Black Mesa lode ---- 0.000
 M.S. No. 2818, COPPER SLOPE lode ----- 6.608
 M.S. No. 2818, COPPER SLOPE lode,
 exclusive of its conflict with M.S.
 No. 766 Amd., Black Mesa lode ---- 4.730
 M.S. No. 2818, COPPER SULPHURETS lode - 0.001
 M.S. No. 2818, COPPER SULPHURETS lode,
 exclusive of its conflict with M.S.
 No. 2818, COPPER SLOPE lode ----- 0.000

LOCATION

This survey is located in the NE 1/4 sec. 5, T.14 N., R.9 W., and the SE 1/4 sec. 32, T.15 N., R.9 W., Gila and Salt River Meridian.

The survey of the BLACK MESA GAP lode is identical with the 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:

No. 1 The Discovery cut is on the lode line 525. ft. from a point on line 4-1, 300 ft. from Cor. No. 4. Five ft. average width, 25. ft. long, and 300. ft. deep.
 Value: \$3,000.00

OTHER IMPROVEMENTS

A haulage road, 70. ft. wide that traverses the claim from the south end to the north end.
 Claimant herein.

FEET

OTHER CORNER DESCRIPTIONS
AND SUPPLEMENTAL DATA

M.S. No. 764 Amd., Natural Point lode: Cor. No. 5 is lost, as it is in the center of the pit area. The point for this cor. was established on the record bearing and dist. on line 4-1, M.S. No. 2818, COPPER SLOPE lode. Lines 3-4-5 and 5-6 are shown as approved.

M.S. No. 766 Amd., Black Mesa lode: Cors. Nos. 1, 2 and 6 are lost, as they are in the center of the pit area. The point for Cor. No. 6 was established on the record bearing and distance from the intersection of line 5-6 with line 3-4, M.S. No. 2818, COPPER SLOPE lode. Lines 6-1-2 and 2-3 are shown as approved. The distance from the intersection of line 6-1 with line 4-1, M.S. No. 2818, COPPER SLOPE lode to Cor. No. 4 of the COPPER SLOPE lode was calculated at 466.91 rather than 467.0 as recorded. The distance from the same intersection to Cor. No. 6 of the Black Mesa lode was calculated at 293.81 rather than 293.8 as recorded.

M.S. No. 2818, COPPER SLOPE lode: Cors. Nos. 1, 2, 3 and 4 are lost, as they are in the center of the pit area. The points for Cors. Nos. 4 and 1 were established from calculated ties from Cor. No. 3 of the COPPER FILLING lode, identical with Cor. No. 2 of the MALAPAI lode of the same survey, and Cor. No. 4 of the COPPER FILLING lode, identical with Cor. No. 1 of the MALAPAI lode, all of the same survey. Lines 3-4 and 4-1 are shown as approved.

M.S. No. 2818, COPPER FILLING lode: Cors. Nos. 1 and 2 are lost. Cors. Nos. 3 and 4 are pine posts 4 x 4 ins. in size, 3 ft. above ground. The inscribed data are partially identifiable. The point for Cor. No. 2 was established on the record bearing and distance from Cors. Nos. 3 and 4. Lines 1-2 and 2-3 are shown as approved. Line 3-4 was found to be correct as approved.

M.S. No. 2818, COPPER SULPHURETS lode: Cor. No. 4 is lost, as it is in the center of the pit area. The point for Cor. No. 4 was established at the record bearing and distance from Cor. No. 3 of the COPPER FILLING lode of the same survey. Lines 3-4 and 4-1 are shown as approved.

M.S. No. 2818, ETA lode: Cors. Nos. 1 and 4 are lost, as they are in the center of the pit area, the latter identical with Cor. No. 1 of the IOTA lode of the same survey. The points for these cors. were established at record bearings and distances from Cor. No. 3 of the COPPER FILLING lode of the same survey.

M.S. No. 2818, IOTA lode: Cor. No. 1 described above. Lines 1-2 and 4-1 are shown as approved.

MEMORANDUM
None

FEET	FIELD ASSISTANTS	
	Name Orville T. Owens Mike Davis	Capacity Instrumentman Chainman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
Louis A. Cornejo	June 16, 1980

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 March 25, 1974, I have carefully executed the survey of the claim of Cyprus Mines Corp., Cyprus Bagdad Copper Co. known as the (lode, placer, or mill site) BLACK MESA GAP lode situated in Secs. 5 and 32, Township 14 & 15 N. Range 9 W., Gila & Salt River Meridian, in the State of Arizona.

This survey, designated as number 4779, 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) BLACK MESA GAP lode 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.

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

CERTIFICATE OF APPROVAL

Office
Location
Date

The foregoing field notes of mineral survey number 4779, in sec. 5 & 32, surveyed unsurveyed Township 14 & 15N, Range 9 W., G&SR Meridian, in the State of Arizona, executed by Louis A. Cornejo, Mineral Surveyor, under order dated March 25, 1974, 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.

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

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.

STATE OF TEXAS
COUNTY OF DALLAS

DECLARATION OF DIVORCE

1981, 11/11/81

1981, 11/11/81

I, the undersigned, being a resident citizen of the State of Texas, do hereby certify that the following is true and correct to the best of my knowledge and belief:

That the following named parties, who are respectively the husband and wife of each other, are and have been domiciled in the County of Dallas, State of Texas, for a period of six months next preceding the date hereof:

That the husband and wife have been living separate and apart for a period of six months next preceding the date hereof, and that the husband and wife have no children of the marriage born alive and living:

That the husband and wife have no community property, real or personal, which they own jointly, and that the husband and wife have no community debts, real or personal, which they owe jointly:

That the husband and wife have no community property, real or personal, which they own jointly, and that the husband and wife have no community debts, real or personal, which they owe jointly:

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That the husband and wife have no community property, real or personal, which they own jointly, and that the husband and wife have no community debts, real or personal, which they owe jointly:

James P. Kemp

DECLARATION OF DIVORCE

I, the undersigned, being a resident citizen of the State of Texas, do hereby certify that the following is true and correct to the best of my knowledge and belief:

That the following named parties, who are respectively the husband and wife of each other, are and have been domiciled in the County of Dallas, State of Texas, for a period of six months next preceding the date hereof:

That the husband and wife have been living separate and apart for a period of six months next preceding the date hereof, and that the husband and wife have no children of the marriage born alive and living:

That the husband and wife have no community property, real or personal, which they own jointly, and that the husband and wife have no community debts, real or personal, which they owe jointly:

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