Form 4–683
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number: 4631
State: Arizona
Land District: Arizona

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

Phelps Dodge Corporation
c/o Evans, Kitchel & Jenckes, Attorneys
363 North 1st Avenue
Phoenix, Arizona 85003

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE LOCATED	DATE AMENDED
Nevada Fraction	8/20/58	

Mining district: Greenlee Gold Mountain			County: Greenlee	
Section: 2 and 3	Township: 4 S	Range: 29 E.	Meridian: G&SRB&M	Survey under order dated: 9/17/65
Survey commenced: 9/17/65	Survey completed: 2/15/66		Name of Mineral Surveyor: Harvey W. Smith	

FEET

This survey was made with a Swiss Kern theodolite Model DKM1, No. 77769, having horizontal and vertical circles, 50 mm. in diam. The circles are graduated in degrees and twenty minute increments. An optical micrometer, adjustable to the vertical and horizontal circles, permits the reading of angles, direct to 10 secons accuracy and estimating to one second accuracy. The instrument is equipped with a colored eye-shade to be attached for making direct observations on 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 horizontal-angles-right referred to the meridian established by direct observation on the sun. At 09:11 A.M. on November 2, 1965 at Cor. No. 1 of the Nevada Fraction Lode, latitude 33°06'24" N., longitude 109°20'32" W., turning from a reference pt. about 350 ft. southeastward, clockwise to the sun in a southeast direction.

True bearing of reference pt. S. 44°31'30" E.

The lines were measured with a Lufkin "Pioneer" steel tape, 300 ft. in length, graduated every ft. for 299 ft. and the remaining ft. graduated to tenths and hundredths. The tape was compared to a standard 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° E.

SURVEY NO. 4631

NEVADA FRACTION LODE

At Cor. No. 1 of the Nevada Fraction Lode.

Set an iron post, 3/4 in. diam., 30 ins. long in a 25 pound concrete and rock base, 16 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4631 N.F. 1X; from which

Cor. of Secs. 2, 3, 10 and 11, T. 4 S., R. 29 E., G&SRB&M, bears S. 70°56'35" E., 428.14 ft. dist. A G.L.O. iron post 3 ft. long 2 ins. diam., 24 ins. in the ground, firmly set and marked as described in the official record.

Cor. 1, Survey No. 4255A, Native Copper No. 3 Lode, bears N. 60°22'20" E. 343.44 ft. dist. This corner is also known as the southeast corner of the Els-Beth No. 3 Lode (unsurveyed) On line 3-4, Sur. No. 4255A, Native Copper No. 53 Lode.

A mound of stones constructed adjacent to the iron post.

Thence N. 39°52'35" W.

FEET	
68.20	Lode Line, discovery cut bears N. 62°02'40" E. 395 ft.
139.14	Cor. No. 2 identical with Cor. No. 1, Survey No. 3945, Nevada Lode.
	Fd. a wood post 4 x 4 ins. by 4 ft. tall, firmly set, properly marked and witnessed as described in the official record. I replaced the wood post with an iron post, 3/4 in. diam., 30 ins. long firmly set in a 25 pound concrete and rock base, 16 ins. in the ground, with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 3945 N. 1, M.S. 4631 N.F. 2X; from which the corners of Secs. 2, 3, 10 and 11, T. 4 S., R. 29 E., G&SRB&M bears S. 63°28'10" E., 552.02 ft. dist.; previously described.
	A mound of stones constructed adjacent to the iron post.
	Thence N. 59°42'20" E.
310.62	Intersect line 4-1, Survey No. 4255A, Native Copper No. 3 Lode at a point from which Cor. No. 1 bears S. 51°55' E., 151.89 ft. dist.
572.01	Intersect the Section line between Secs. 2 and 3, T. 4 S., R. 29 E., G&SRB&M, at a point from which the corner of Secs. 2, 3, 10 and 11 bears S. 535.12 ft. dist.; previously described.
699.59	Cor. No. 3
	Set an iron post, 3/4 in. diam., 30 ins. long in a 25 pound concrete and rock base, 16 ins. in the ground with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4631 N.F. 3X, from which Cor. No. 3, Survey No. 3058 Maine Lode bears S. 1°24'40" W., 31.24 ft. dist. On line 4-1, Survey No. 3945, Nevada Lode. Cor. No. 4, Survey No. 4255A Native Copper No. 53 Lode, also known as Els-Beth No. 4 Lode (unsurveyed), bears S. 22°38'55" E., 52.98 ft. dist.
	A mound of stones constructed adjacent to the iron post.
	Thence S. 39°52'35" E.
27.78	Intersect line 3-4, Survey No. 3058 Maine Lode, at a pt. from which Cor. No. 3 bears S. 61°56' W., 21.07 ft. dist.
99.41	Lode Line, discovery cut bears S. 62°02'40" W., 310.02 ft. dist.

FEET	
184.01	Cor. No. 4 Set an iron post, 3/4 in. diam., 30 ins. long, in a 25 pound concrete and rock base, 16 ins. in the ground with a brass cap, 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4631, N.F. 4X; from which A mound of stones constructed adjacent to the iron post. Thence S. 63°17' W.
3.38	Intersect Line 4-1, Survey No. 4255A, Native Copper No. 53 Lode, also known as the Els-Beth No. 4 (unsurveyed) Lode, at a point from which Cor. No. 4 bears N. 45°13' W., 133.20 ft. dist.
23.54	Intersect Line 2-3, Survey No. 3058, Maine Lode, at a point from which Cor. No. 3 bears N. 39°01'30" W., 155.20 ft. dist.
255.41	Intersect Line between Secs. 2 and 3, T. 4 S., R. 29 E., G&SRB&M, at a point from which the corner of Secs. 2, 3, 10 and 11, bears S. 343.47 ft. dist., previously described.
392.40	Intersect Line 1-2, Survey No. 4255A, Native Copper No. 3 Lode, also known as the Els-Beth No. 3 (unsurveyed) Lode, at a point from which Cor. No. 1 bears N. 30°22' E., 32.10 ft. dist.
416.69	Intersect Line 3-4, Survey No. 4255A, Native Copper No. 53 Lode, also known as the Els-Beth No. 4 (unsurveyed) Lode, at a point from which Cor. No. 4 bears N. 44°29' E., 391.94 ft. dist.
708.45	Cor. No. 1 and the place of beginning.

SURVEY NO. 4631

AREAS

	Acres
Total Area Nevada Fraction Lode	2.559
Area in conflict with Survey No. 3058, Maine Lode	0.078
Area in conflict with Survey No. 3945, Nevada Lode	0.220
Area in conflict with Sec. 2, T. 4 S., R. 29 E., G&SRB&M	0.768
Area in conflict with Sec. 2, exclusive of Survey No. 3058, Maine Lode, and Survey No. 3945, Nevada Lode	0.613

FEET	
	Area in conflict with Survey No. 4255A, Native Copper No. 53 Lode (Els-Beth No. 4 (unsurveyed) Lode) 0.599
	Area in conflict with Survey No. 4255A, Native Copper No. 53 Lode (Els-Beth No. 4 (unsurveyed) Lode) exclusive of its conflict with Survey No. 3058, Maine Lode and Sec. 2, T. 4 S., R. 29 E., G&SRB&M 0.123
	Area in conflict with Survey No. 4255A, Native Copper No. 3 Lode (Els-Beth No. 3 (unsurveyed) Lode) 1.106
	Area in conflict with Survey No. 4255A, Native Copper No. 3 Lode (Els-Beth No. 3 (unsurveyed) Lode), exclusive of its conflict with Survey No. 3945, Nevada Lode, and Survey No. 4255A, Native Copper No. 53 Lode (Els-Beth No. 4 (unsurveyed) Lode) 1.058

LOCATION

This survey is located in the S.E.$\frac{1}{4}$, Sec. 3 and the S.W.$\frac{1}{4}$, Sec. 2, T. 4 S., R. 29 E., G&SRB&M.

The survey of the Nevada Fraction Lode is identical with its location as marked on the ground.

EXPENDITURES

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

1. The discovery cut of the Nevada Fraction Lode, the base of which being a discovery point, is on the lode line 310.02 ft. from a point on line 3-4, 99.41 ft. from Cor. No. 3, 7 ft. wide, running south 15 ft. to a base 10 ft. in height.

Value $260.00

2. A cut, the portal of which bears S. 47°00' W., 305.00 ft. from Cor. No. 3, 10 ft. wide, running S. 10° W., 10 ft. to a base 10 ft. in height.

Value $250.00

3. A cut, the portal of which bears S. 81° W., 355.00 ft. from Cor. No. 4, 6 ft. wide, running S. 50° W., 10 ft. to a base 8 ft. in height.

Value $120.00

FEET

OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Survey No. 3058, the Maine Lode.

Cor. No. 2 is a 4x4 ins. by 4 ft. post, properly mkd. and witnessed as described in the official record.

Cor. No. 3 is a 4x4 ins. square wood post, 4 ft. tall, properly mkd. and witnessed as described in the official record.

Cor. No. 4 apparently has been obliterated.

Line 2-3 was found to be N. 39°01'30" W., 611.75 ft. instead of N. 38°50' W., 610.48 ft. as approved.

Line 3-4 is shown as approved.

Survey No. 3945, the Nevada Lode.

Cor. No. 1 described above.

Cor. No. 4 is a wooden post, 4x4 ins. square, by 4 ft. tall, properly mkd. and witnessed as described in the official record.

The bearing of line 4-1 was found to be S. 61°56' W., 1500 ft. as approved.

Survey No. 4255A, Native Copper No. 3 Lode (Els-Beth No. 3 (unsurveyed) Lode)

Cor. No. 1 only a mound of stones was found. No evidence of the marked stone was there, consequently the position as shown is the record position.

Lines 1-2 and 4-1 are shown as approved.

Survey No. 4255A, Native Copper No. 53 Lode (Els-Beth No. 4 (unsurveyed) Lode)

Cor. No. 4 is a stone 6x8 ins. by 10 ins. above the ground, firmly set and marked, as described in the official record.

Cor. No. 1 could not be found.

Lines 3-4 and 4-1 are shown as approved.

FEET

Survey No. 3945, the Nevada Lode

The tie from Cor. No. 1, Nevada Lode to the Cor. of Secs. 2, 3, 10 and 11, T. 4 S., R. 29 E., was found to be S. 63°28'10" E., 552.02 ft. instead of S. 63°33' E., 557.01 ft. dist. as approved.

FIELD ASSISTANTS

Name	Capacity
John R. Russell	Chainman-Axeman

Form 4-686
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
HARVEY W. SMITH	March 21, 1966

I HEREBY CERTIFY That in pursuance of an order received from the Acting Chief, Division of Engineering, at Phoenix, Arizona dated September 17th, 1965, I have carefully executed the survey of the claim of Phelps-Dodge Corporation, known as the Nevada Fraction, ~~known as the~~ *(lode, ~~placer or millsite~~)*, situated in Greenlee Gold Mountain Mining District, Greenlee County, Secs. 2 & 3, Township 4 S., Range 29 E., G &S R B & Meridian, in the State of Arizona.

This survey, designated as number 4631, 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 the 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)* Nevada Fraction 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.

Scottsdale, Arizona
(Location)

Harvey W. Smith
(Signature of Mineral Surveyor)
Harvey W. Smith

CERTIFICATE OF APPROVAL

Office Arizona State Office
Bureau of Land Management

Location
Phoenix, Arizona

Date
August 29, 1966

The foregoing field notes of mineral survey number 4631, in Sections 2 and 3, [X] surveyed [ ] unsurveyed Township 4 S., Range 29 E., Gila & Salt River Meridian, in the State of Arizona, executed by Harvey W. Smith, Mineral Surveyor, under order dated September 17, 1965, 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.

Fred J. Weiler
(Authorized Signature)
Fred J. Weiler

State Director
(Title)

CERTIFICATE OF TRANSCRIPT

I 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.

GPO 831245

IN REPLY REFER TO
9183.1 (942)
M.S. #4631

1

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Arizona State Office
3022 Federal Building
Phoenix, Arizona 85025

July 9, 1971

Memorandum

To : Chief, Division of Management Services, ASO
(Att'n. Branch of Records & Data Management)

From : State Director, Arizona

Subject: Cancellation of Mineral Survey No. 4631

This memorandum cancels the survey of the Nevada Fraction lode claim of Mineral Survey No. 4631.

The following notation should be made on the plat of Mineral Survey No. 4631:

"Survey of the Nevada Fraction lode claim canceled by State Director's memorandum dated July 9, 1971."

The plat and field notes should remain in the files. This memorandum should be made a part of the original field notes of Mineral Survey No. 4631.

By Relinquishment of Mining Claims, dated April 5, 1971, Phelps Dodge Corporation relinquished and abandoned all right, title and interest in and to the Nevada Fraction lode claim.

A portion of the lands formerly embraced by this survey is included in Private Exchange Application A-4591 filed by Phelps Dodge Corporation.

Joe T. Fallini

cc: Director

MANAGEMENT SERVICES

	Initials
Chief /	
Safety & Training	
Personnel 2	
Proc., Supply, Prop.	
Accounts	
Records 3 (Action)	
Central Files	
Action Records	

U.S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT 25TH ANNIVERSARY 1971