

Form 4-683
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey number
4746

State
Arizona

Land District
Arizona

FIELD NOTES

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

American Smelting and Refining Company
P. O. Box 5747
Tucson, Arizona 85703

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
El Tiro 10	1/13/71	

Mining district Silver Bell			County Pima	
Section 33	Township 11 South	Range 8 East	Meridian Gila & Salt River	Survey under order dated June 7, 1973
Survey commenced 12-9-73		Survey completed 12-10-73	Name of Mineral Surveyor Robert Lenon	

TYPE

Arizona

Arizona

American Smelting and Refining Company
P. O. Box 2747
Tucson, Arizona 85703

Silver Bell

1/13/73

EL TIO 10

Pima

Silver Bell

Gila & Salt River June 7, 1973

11 South 8 East

33

Robert Lemon

12-10-73

12-9-73

FEET	
	<p>This survey was made with a Lietz Precise transit No: 65718, with horizontal limb 5-1/2 ins: diam., having two double opposite verniers reading to 20 seconds of arc; and full vertical circle 4-1/2 ins. diam., having one double vernier reading to 1 minute of arc; the eyepiece has a removable colored glass for making direct observations upon the sun. The instrument was in good condition at the time of the survey, and all adjustments were in good order.</p> <p>All azimuths in this record were referred to the meridian of the American Smelting and Refining Company's Silverbell triangulation system, set out on a local plane grid, and which I checked by solar observations made on Sept. 20, 1973, as described in my field notes in Min. Sur. No. 4744, and found to be correct. Cor. No. 1 is in latitude 32°26' N., longitude 111°32' W.</p> <p>The lines were measured with a Hewlett-Packard distance-meter, and a Chicago steel tape, 300 ft. in length, graduated every foot, with the end feet graduated to tenths; which was compared with a Lufkin standard at the time of beginning the survey and found correct.</p> <p>All lines and connections of this survey were run by direct methods.</p> <p>The magnetic declination observed at each corner of the survey gave a uniform value of 13°00' E.</p>
	<p>Mineral Survey No. 4746</p>
	<p>El Tiro 10 Lode</p> <p>At Cor. No. 1 of the El Tiro 10 lode, identical with Cor. No. 3, M.S. No. 4745 El Tiro 9 lode.</p> <p>Found an iron pin, 5/8 in. diam., 6 ins. above the ground, stone mound alongside, with aluminum cap mkd. X-ET9-3-4745, to which I added: ETLO-1-4746; from which</p> <p>The cor. of secs. 28, 29, 32 and 33, T. 11 S., R. 8 E., G. & S.R.M., Arizona, bears N. 46°21'15" W., 2513.41 ft. dist., monumented with an iron post, 2 ins. diam. 12 ins. above ground, firmly set, with brass cap properly mkd., and with a mound of stone, 3 ft. base, 2 ft. high, surrounding.</p> <p>Cor. No. 4, M.S. No. 2790, Rex lode, bears S. 36°50'40" E., 251.69 ft. dist.</p> <p style="text-align: center;">Thence S. 19°57'40" E.</p>
73.83	Intersect line 3-4, M.S. No. 2790 Rex lode, at point from which Cor. No. 4 bears S. 43°36' E., 182.30 ft. dist.
75.	Drill road, 12 ft. wide, bears N. 65° W. and S. 65° E.
230.	Mine road, 16 ft. wide, bears N. 60° W. and S. 60° E.

FEET	
283.30	Intersect line 4-1, M.S. No. 2790 Rex lode, at a point from which Cor. No. 4 bears N. 39°53'10" E., 84.54 ft. dist.
390.	Gulch, 2 ft. wide, course S. 65° W.
415.49	Intersect line 1-2, M.S. No. 2791 King lode, at a point from which Cor. No. 1 bears S. 49°31'30" W., 376.60 ft. dist.
465.	Gulch, 2 ft. wide, course N. 60° W.
650.	Drill road, 12 ft. wide, bears N. 80° E. and S. 80° W.
735.	Drill road, 12 ft. wide, bears N. 60° W. and S. 60° E.
749.24	Intersect line 3-4, M.S. No. 4630 Amd. BS&K No. 3 lode, at a point from which Cor. No. 4 bears S. 67°05'40" W., 208.81 ft. dist.
750.00	Cor. No. 2. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-ET10-2-4746; from which Cor. No. 4, M.S. No. 4630 Amd. BS&K No. 3 lode, bears S. 67°18'10" W., 208.77 ft. dist. Thence S. 67°02'20" W.
225.94	Intersect line 4-1 of the King lode, common with line 2-3 of the Columbia lode, both of M.S. No. 2791, at a point from which Cor. No. 1 of the King lode bears N. 50°37'15" W., 249.21 ft. dist.
280.	Drill road, 12 ft. wide, bears North and South.
300.00	Lode line; discovery point bears N. 19°57'40" W., 250 ft. dist.
375.	Gulch, 5 ft. wide, course N. 60° W.
385.	Mine road, 16 ft. wide, bears N. 20° W. and S. 20° E.
535.	Gulch, 25 ft. wide, course North.
600.00	Cor. No. 3. Set an iron pin, 5/8 in. diam., 24 ins. long, 18 ins. in the ground, stone mound alongside, with aluminum cap mkd. X-ET10-3-4746; from which Cor. No. 3, M.S. No. 4329 Crown lode, identical with Cor. No. 1, M.S. No. 2790 Rex lode, and falling on line 1-2, M.S. No. 2791 Columbia lode, bears N. 13°18'20" E., 290.47 ft. dist.

FEET		
	Cor. No. 2, M.S. No. 2791 Columbia lode, falling on line 4-1, M.S. No. 2790 Rex lode, bears N. 18°26'45" E., 354.89 ft. dist.	
	Cor. No. 1 of the King lode, falling on line 2-3 of the Columbia lode, both of M.S. No. 2791, bears N. 26°32' E., 339.82 ft. dist.	
	Thence N. 19°57'40" W.	
150.31	Intersect line 1-2, M.S. No. 2791 Columbia lode, common with line 3-4, M.S. No. 4329 Crown lode, at a point from which Cor. No. 3 of the Crown lode, identical with Cor. No. 1, M.S. No. 2790 Rex lode, bears N. 39°53'10" E., 184.27 ft. dist.	
195.	Gulch, 25 ft. wide, course West.	
340.	Mine road, 16 ft. wide, bears N. 55° W. and S. 55° E.	
606.11	Intersect line 2-3, M.S. No. 4329, Crown lode, common with line 1-2, M.S. No. 2790 Rex lode, at a point from which Cor. Nos. 3 and 1, respectively, bear S. 43°38'50" E., 396.65 ft. dist.	
750.00	Cor. No. 4, identical with Cor. No. 4, M.S. No. 4745 El Tiro 9 lode. Found an iron pin, 5/8 in. diam., 6 ins. above the ground, stone mound alongside, with aluminum cap mkd. X-ET9-4-4745, to which I added: ET10-4-4746. Thence N. 67°02'20" E.	
285.	Gulch, 5 ft. wide, course N. 45° W.	
300.00	Lode line; discovery point bears S. 19°57'40" E., 500 ft. dist.	
352.56	Intersect line 4-1, M.S. No. 4630 Amd. BS&K No. 3 lode, at a point from which Cor. No. 4 bears S. 22°55' E., 748.01 ft. dist.	
430.	Mine road, 16 ft. wide, bears N. 60° W., and S. 60° E.	
545.	Drill road, 12 ft. wide, bears N. 25° W. and S. 25° E.	
568.37	Intersect line 3-4, M.S. No. 2790 Rex lode, at a point from which Cor. No. 4 bears S. 43°36' E., 261.09 ft. dist.	
600.00	Cor. No. 1, and place of beginning.	

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FEET	AREAS	Acres
	Total area, El Tiro 10 lode - - - - -	10.316
	Area in conflict with--	
	M.S. No. 4329 Crown lode - - - - -	0.834
	M.S. No. 2790 Rex lode - - - - -	5.213
	M.S. No. 4630 Amd. BS&K No. 3 lode - - - -	3.918
	M.S. No. 2791 King lode - - - - -	1.927
	M.S. No. 2791 Columbia lode - - - - -	1.523
	M.S. No. 4630 Amd. BS&K No. 3 lode, exclusive of its conflict with	
	M.S. No. 2790 Rex lode - - - - -	2.040
	M.S. No. 4630 Amd. BS&K No. 3 lode, exclusive of its conflict with	
	M.S. No. 2791 King lode - - - - -	2.439
	M.S. No. 4630 Amd. BS&K No. 3 lode, exclusive of its conflict with	
	M.S. No. 2790 Rex lode and M.S. No. 2791 King lode - - - - -	0.561
	LOCATION	
	This survey is located in the W 1/2 Sec. 33 of T. 11 S., R. 8 E., G. & S.R.M., Arizona.	
	The survey of the El Tiro 10 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 the lode location embraced in said mining claim by the claimant or its grantors are as follows:	
No. 1	The discovery point is on the lode line 250 ft. from the center of Line 2-3. No value.	
No. 2	A diamond drill hole, 3 ins. diam. at the collar, 256 ft. in depth, the center of which bears S. 60°15'30" E., 293.2 ft. dist. from Cor. No. 4. Value, \$1250.	
No. 3	A diamond drill hole, 3 ins. diam. at the collar, 223 ft. in depth, the center of which bears N. 37°20' E., 323.8 ft. dist. from Cor. No. 3. Value, \$1100.	
No. 4	A churn-drill hole, 13 ins. diam. at the collar, 185 ft. in depth, the center of which bears N. 63°49' W., 418.8 ft. dist. from Cor. No. 2. Value, \$1000.	
	OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA	
	M.S. No. 2790 Rex lode: Line 1-2 was found to be N. 43°38'50" W., 1500.46 ft. instead of N. 43°40' W., 1500 ft. as approved. Line 3-4 was found to be S. 43°36' E., 1499.65 ft. instead of S. 43°37'59" E., 1499.80 ft. as approved in M.S. No. 4630. Line 4-1 was found to be S. 39°53'10"W. 522.52 ft. and S. 40°05' W., 70.56 ft. instead of S. 39°54'32" W., 592.9 ft. as approved in M.S. No. 4630. Cor. No. 1 is monumented with an iron pipe 2" diam. with a lead cap firmly set and properly mkd. in an old stone mound. Cor. No. 2 is mon- umented with an iron pipe, 2 ins. diam. with lead cap firmly set and properly mkd. with stone mound	

Mineral Survey No. 4746

FEET		
	<p>surrounding. Cor. No. 3 is monumented with an iron pipe, 5/8 in. diam., 6 ins. above ground in the center of an old stone mound.</p> <p>M.S. No. 2791 Columbia lode: Line 1-2 was found to bear N. 39°53'10" E. and N. 40°05' E. instead of N. 39°50' E. as approved. Line 2-3 was found to bear S. 50°37'15" E. instead of S. 50°39'27" E. as approved in M.S. No. 4630. Cor. No. 1 is monumented with an iron pipe, 2 ins. diam., with lead cap properly mkd. and firmly set with stone mound surrounding. Cor. No. 3 is monumented with an iron pin, 5/8 in. diam., 6 ins. above ground in the center of an old stone mound.</p> <p>M.S. No. 2791 King lode: Line 1-2 was found to be N. 49°31'30" E., 608.73 ft. instead of N. 49°27' E., 609.55 ft. as approved in M.S. No. 4630. Line 4-1 was found to bear N. 50°37'15"W. instead of N. 50°39'27" W. as approved in M.S. No. 4630. Cor. No. 4 is monumented with an iron pin, 5/8 in. diam. with aluminum cap, 6 ins. above ground, properly mkd. and firmly set near the center of a scattered stone mound.</p> <p>M.S. No. 4329 Crown lode: Line 1-2 was found to be N. 39°53'15" E., 600.07 ft. instead of N. 39°50' E., 600 ft. as approved. Line 3-4 was found to bear S. 39°53'10" W. instead of S. 39°50' W. as approved.</p> <p>M.S. No. 4630 Amd. BS&K No. 3 lode: Line 2-3 was found to be S. 22°55' E., 1496.98 ft. instead of S. 22°56'31" E., 1497.21 ft. as approved. Line 3-4 was found to bear S. 67°05'40" W. instead of S. 67°02'45" W. as approved. Line 4-1 was found to be N. 22°55' W., 1496.98 ft. instead of N. 22°56'31" W., 1497.21 ft. as approved. Cor. Nos. 1 and 3 are both monumented with iron pins, 5/8 in. diam., 6 ins. above ground, with aluminum caps properly mkd. and firmly set with stone mounds surrounding.</p> <p>M.S. No. 4745 El Tiro 9 lode: Line 3-4 is correct as approved. Cor. Nos. 3 and 4 are both iron pins, 5/8 in. diam., 6 ins. above ground, with aluminum caps firmly set and properly mkd. with stone mounds surrounding.</p> <p style="text-align: center;">FIELD ASSISTANTS</p> <p>Hoyd Patty - - - - - Transitman Stephen Patty - - - - - Chainman Bruce Schreiber - - - - - Chainman</p>	

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FEET

M.S. No. 4389 Ground loss: Trace 1-2 was found to bear N. 39°23'10" W. instead of N. 39°23'10" W. as approved. M.S. No. 4390 Trace 4-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4391 Trace 1-2 was found to bear N. 39°23'10" W. as approved. M.S. No. 4392 Trace 2-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4393 Trace 3-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4394 Trace 4-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4395 Trace 5-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4396 Trace 6-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4397 Trace 7-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4398 Trace 8-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4399 Trace 9-1 was found to bear N. 39°23'10" W. as approved. M.S. No. 4400 Trace 10-1 was found to bear N. 39°23'10" W. as approved.

FIELD OBSERVATIONS

Barre Schaeffer

Stephen Perry

John Terry

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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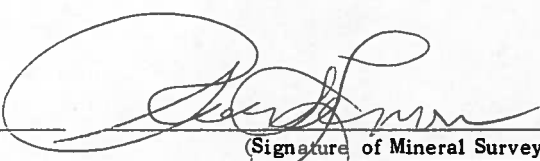
CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor Robert Lenon	Date 12-10-73
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I HEREBY CERTIFY That in pursuance of an order received from the **Bureau of Land Management**, at **Phoenix, Arizona**, dated **June 7**, 19 **73**, I have carefully executed the survey of the claim of **American Smelting and Refining Company**, known as the (lode, placer, or mill site) **El Tiro 10 lode**, situated in **Section 33**, Township **11 S.**, Range **8 E.**, **Gila & Salt River** Meridian, in the State of **Arizona**.

This survey, designated as number **4746**, 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) **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.

Patagonia, Arizona (Location)	 (Signature of Mineral Surveyor)
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CERTIFICATE OF APPROVAL

Office Arizona State Office
Location Phoenix, Arizona
Date September 3, 1974

The foregoing field notes of mineral survey number **4746**, in **Section 33**, surveyed unsurveyed Township **11 S.**, Range **8 E.**, **Gila and Salt River** Meridian, in the State of **Arizona**, executed by **Robert Lenon**, Mineral Surveyor, under order dated **June 7**, 19 **73**, 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.

 (Authorized Signature)	ASSOCIATE State Director (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 **4746** is a true copy of the original field notes.

(Authorized Signature)	(Title)
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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.

12-10-73

Robert Lench

Bureau of Land
Phoenix, Arizona

Management

73
American Machine and Refining Company
El Paso 10 Lodge

II &

Section 32
F. D. Gila & Salt River

1746

Lodge

its

Phoenix, Arizona

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
ARIZONA STATE OFFICE

9605 (942)
M.S. 4746

NOTICE OF CANCELLATION OF MINERAL SURVEY

The El Tiro 10 lode, Mineral Survey No. 4746 located in section 33, Township 11 South, Range 8 East, Gila and Salt River Meridian, Arizona, is hereby canceled.


This lode was relinquished by ASARCO Incorporated in a memo dated March 23, 1992.

This cancellation was necessitated to facilitate a proposed land exchange with ASARCO Incorporated and to clear the record.

The Mineral Survey Plat should be noted as follows:

"El Tiro 10 lode, M.S. 4746 was canceled March 23, 1992, by memo 9605 (942) M.S. 4746, which is now a part of the original field notes."

March 23, 1992
Date



Chief Cadastral Surveyor of Arizona

9005 (4-42)
M.S. 4-42

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SOUTH DAKOTA

STATE OF SOUTH DAKOTA

Section 33, Township 11 N., Range 10 W., contains 360 acres of land. The land is owned by the State of South Dakota. The land is located in the County of _____.

The land is being offered for sale to the highest bidder. The sale will be held on _____ at _____.

The land is being offered for sale to the highest bidder. The sale will be held on _____ at _____.

The land is being offered for sale to the highest bidder. The sale will be held on _____ at _____.

The land is being offered for sale to the highest bidder. The sale will be held on _____ at _____.



State of South Dakota