

MINERAL SURVEY No. 4164

Arizona Land District

FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation and Stargo Silver-Belt Mining Co., under amended locations
of the original locations of Telesfano Chavez, et al, Thos F. Campbell and I.P.
Campbell

KNOWN AS THE

EL PASO, CAPOTE, SILICA NO. 1, SILVER BONANZA, SILVER KING, and STARGO EXTENSION lodes,

Copper Mountain Mining District,

Greenlee County, Arizona

Sections 21 and 22, Township 4 S., Range 29 E. G. & S.R. B. & M.

Surveyed under instructions dated

{	April 25th	}	, 19	33
	May 8th and			
	June 15th			

By *T. J. Turner*
U. S. Mineral Surveyor.

Claim located See location notices, ~~19~~

Survey commenced May 11, 1933

Survey completed Aug. 10, 1933

Address of claimant Phelps Dodge Corporation thru John H. Page & Co.
Attorneys, Phoenix, Arizona.

DATES OF AMENDED LOCATIONS

See location notices

For Amended Location Notice of Silver King lode,
dated Nov. 4, 1935, see Supplemental Field Notes attached hereto.

Feet.

MINERAL SURVEY NO. 4164

Mineral survey No.4164 was made with a Gurley mountain transit with horizontal limb 6.5 ins. diam., having two opposite verniers and full vertical circle, 5 ins. diam, having one double vernier , the verniers reading to one minute of arc.

The instrument was in good condition at the time of the survey and all adjustments were in good order. A P.M. altitude observation for azimuth, and at noon on the meridian for latitude and time, were made at a corner of the survey, which agree with the courses in Sur. No.3868, the details of which observations are shown in the calculation sheets submitted with these field notes.

All azimuths in this record are referred to the true meridian, by the method of deflection angles, and calculated courses.

The lines were measured with a Lufkin steel tape, 500 ft. in length, graduated every foot, with the first and last foot graduations to tenths and hundredths.

The tape was correct at the time of the survey. All lines and connections of this Sur. were run directly upon the ground.

The magnetic variation observed at each corner gave a uniform value of 13°45' E.

EL PASO Lode.

Beginning at Cor. No.1 of the El Paso lode, identical with the Loc. Mon. and Cors. Nos. 1, Sur. No.3868 Stargo and Triangle lodes, claimant herein , On line 2-3 Stargo Extension lode of this Sur.

An iron pipe, 1 in. diam., with brass cap on top, set firmly in the ground and surrounded with md. of stone, stamped 1 EP - 4164, 1 S, 1 T - 3868, from which the 1/4 Cor. of Secs. 21 and 22, T. 4 S. R. 29 E., G. & S. R. B & M. brs. N. 24°51'E., 448.45 ft. dist; a G.L.O. iron post , firmly set, marked and witnessed as described in the official record.

No other bearings are available.

Thence S.42°58'E.

300.00 To W. end center, identical with Loc. Mon. and E. end center Sur. No.3868, Triangle lode.

Feet.

MINERAL SURVEY No.4164
EL PASO Lode.

A pine post, 4 ins. sq. by 4 ft. high, set firmly in the ground and surrounded with md. of stone, scribed W. Cr. E P, E Cr T .

600.00 To Cor. No.2, identical with Loc. Mon. and Cor. No.2 Silver Bonanza lode of this Sur; also Cor. No.2 Sur. No.3868, Triangle lode.

An iron pipe, 1 in. diam., with brass cap on top, set firmly in the ground and surrounded with md. of stone , stamped 2 EP, 2 SB - 4164, 2 T - 3868.

No bearings are available.

Thence N.56°31'30" E.

178.44 To Cors. Nos. 1, Capote and Silver Bonanza lodes of this Sur., hereinafter described.

1371.34 To Cor. No.2, Sur. No.3304, Ford lode, claimant herein, and Cor. No.5 Capote lode of this Sur., hereinafter described.

1375.74 To Cor. No.3, identical with Loc. Mon., where I -

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground, and surrounded with md. of stone, stamped 3 EP - 4164

No bearings are available.

Thence N.42°58'W.

0.02 Intersect line 1-2, Sur. No.3304 Ford lode and line 4-5 Capote lode of this Sur. at N.56°16'E. 4.4 ft. from Cors. Nos. 2 and 5, respectively.

300.00 To E. end center, identical with Loc. Mon., where I -

Set an iron pipe, 2 ins. diam. by 4 ft. high, firmly in the ground and surrounded with md. of stone, stamped E. Cr. EP.

594.12 To Cor. No.4, identical with Loc. Mon. and Cor. No.3, Sur. No.3304 Ford lode, on line 1-2 Sur. No.3304 Three Loop lode, where I -

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, 18 ins. in the ground, and surrounded with md. of stone , stamped 4 EP -4164, 3 F - 3304. from which,

A cross (X) 4 EP-4164, 3 F - 3304 on granite ledge 3 ft. high by 5 ft long, brs. S.42°39'E., 3.2 ft. dist.

No other bearings are available.

Feet.

MINERAL SURVEY NO. 4164

EL PASO Lode.

Thence S.56°16'W.

- 56.20 To E. end center Sur. No.3304 Three Loop lode, consisting of md. of stone.
- 406.50 To Cors. Nos. 1 and 2, Sur. No.3304, June and Three Loop lodes, respectively, hereinafter described.
- 756.70 To E. end center Sur. No.3304 June lode, consisting of md.of stone.
- 1206.90 To Cor. No.5, identical with Cor. No.1, Stargo Extension lode of this Sur. and Cor. No.2, Sur. No.3304 June lode, where I -
Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md.of stone , stamped 5 EP, 1 S E -4164, 2 J - 3304.
No bearings are available.
Thence S.58°49'W.
- 270.04 To Cor. No.1, the place of begimimg.

CAPOTE Lode.

- Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No.1 Silver Bonanza lode ; on line 2-3 El Paso lode, both of this Sur., where I- Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md.of stone, stamped 1 C, 1 S B - 4164, from which the 1/4 sec. Cor. of Secs. 21 and 22, T.4 S. R. 29 E., brs. N.26°17'30"W., 833.83 ft. dist.
No other bearings are available.
Thence S.53°20'E.

- 308.25 To W. end center, identical with Loc. Mon., where I-
Set an iron pipe, 2 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md.of stone, stamped W. Cr. C.
- 616.50 To Cor.2, identical with Loc. Mon. and Cor. No.1 Silica No.1 lode of this Sur., where I -
Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md.of stone, stamped 2 C., 1 S No.1 - 4164.

Feet.	MINERAL SURVEY NO. 4164 CAPOTE Lode.	Feet.
	No bearings are available. Thence N.56°31'30"E	
276.08	Intersect line 5-1 Silver Bonanza lode of this Sur.	
1482.67	Intersect line 2-3 Sur. No.3304 Canon lode at S.55°18'E. 39.64 ft. from Cor. No.3.	
1500.00	To Cor. No.3, identical with Loc. Mon. and Cor. No.5 Silica No.1 lode of this Sur., where I - Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground, and surrounded with md. of stone, stamped 3 C, 5 S. No.1 - 4164. from which, Cors. Nos. 2 and 3, Sur. No.3304, Globe and Canon lodes, respectively, brs. N.74°32'24" W., 48.41 ft. dist. No other bearings are available. Thence N.53°20'W	
44.71	Intersect line 1-2 and 3-4, Sur. No.3304 Globe and Canon lodes, respectively, at N.39°14' E., 17.67 ft. from Cors. Nos. 2 and 3.	
308.25	To N. end center, identical with Loc. Mon., where I - Set an iron pipe, 2 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone, stamped N. Cr. C.	
617.82	To Cor. No.4, identical with Loc. Mon. and Cor. No.1 Sur. No.3304 Ford lode, on line 2-3 Sur. No.3304 Globe lode at N.51°34'W., 572.6 ft. from Cor. No. 2. A cross (x) chiseled on the E. face of a quartzite bluff, 15 ft. high, and 4 C, -4164, 1 F - 3304. No bearings are available. Thence S.56°16'W	
302.70	Intersect line 3-4 El Paso lode of this Sur.	
307.10	To Cor. No.5, identical with Loc. Mon. and Cor. No.2 Sur. No.3304 Ford lode., where I - Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped 5 C - 4164, 2 F - 3304. from which, A limestone rock in place, 12 ins. high by 2 ft. long, brs. S.9°09'W.,	

Feet.

MINERAL SURVEY NO. 4164
CAPOTE Lode.

8.6 ft. dist. Chiseled with cross (x) 5 C - 4164, 2 F - 3304 BR.

No other bearings are available.

Thence S. 56°31'30" W.

1192.90 To Cor. No.1, the place of beginning.

SILICA No.1 Lode.

Beginning at Cor. No.1, identical with Loc. Mon. and Cor. No.2
Capote lode of this Sur., heretofore described, from which the 1/4

Cor. Eof. Secs. 21 and 22 , T.4 S. R. 29 E. G. & S. R. B⁴M. brs.

N.37°44'56" W., 1411.02 ft. dist.

Thence S.53°20'E.

308.25 To W. end center, identical with Loc. Mon., where I -

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above
ground and surrounded with md. of stone, stamped W. Cr. S. No.1.

342.13 To Cor. No.2, identical with Loc. Mon. and Cor. No.4 Silver Bonanza
lode of this Sur., where I -

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground,
set 18 ins. in the ground and surrounded with md. of stone, stamped,

2 S No.1, 4 S B - 4164. from which,

Loc. Mon. brs. S.53°20'E. 264 ft. dist.

No, other bearings are available.

Thence East.

181.77 To Cor. No.3, identical with Loc. Mon. and Cor. No.2 Silver King
lode of this Sur., where I -

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground,
set 18 ins. in the ground and surrounded with md. of stone, stamped

3 S No1, 2 S K - 4164.

No bearings are available.

Thence N.62°46'20"E

1450.21 To Cor. No.4, identical with Loc. Mon., where I -

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground,
set 18 ins. in the ground, and surrounded with md. of stone, stamped

4 S No.1 - 4164.

No bearings are available.

Feet.	MINERAL SURVEY No.4164 SILICA NO. 1 lode.	Feet.
	Thence N.53°20'W.	
147.71	Intersect line 2-3 Sur. No.3304 Canon lode at S.55°18'E., 514.59 ft. from Cor. No.3.	
308.25	To E. end center, identical with Loc. Mon., where I - Set an iron pipe, 2 ins. diam. by 4 ft high, set firmly in the ground, and surrounded with md. of stone, stamped E. Cr. S. No.1	
616.50	To Cor. No.5, identical with Loc. Mon. and Cor. No.3 Capote lode of this Sur., heretofore described.	
	Thence S.56°31'30"W.	
17.38	Intersect line 2-3 Sur. No.3304 Canon lode at S.55°18'E., 39.64 ft. from Cor. No.3.	
1223.92	Intersect line 5-1 Silver Bonanza lode of this Sur.	
1500.00	To Cor. No.1, the place of beginning.	
	SILVER BONANZA Lode.	
	Beginning at Cor. No.1, identical with Cor. No.1 and Cor. No.1 Capote lode of this Sur., heretofore described, from which, the 1/4 Cor. of Secs 21 and 22, T.4 S. R. 29 E. brs. N.26°17'30"W., 833.83 ft. dist.	
	Loc. Mon. brs. N.73°25'W. 110 ft., dist.	
	Thence S. 56°31'30" W.	
178.44	To Cor. No.2, identical with Cor. No.2 El Paso lode of this Sur., and Cor. No.2 Sur. No. 3868 Triangle lode, heretofore described.	
	Thence S. 20°41'W.	
186.70	To W. End Center, identical with Loc. Mon., where I - Set an iron pipe, 2 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone, stamped W. Cr. S B.	
506.70	To Cor. No.3, identical with Loc. Mon., where I - Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground, stamped 3 S B - 4164	
	No bearings are available.	
	Thence East	
1096.72	To Cor. No.4, identical with Loc. Mon. and Cor. No.2 Silica No.1 lode of this Sur., heretofore described.	

Feet	MINERAL SURVEY No.4164 Silver Bonanza Lode.
	Thence N.20°41'E.
320.00	To E. end center, identical with Loc. Mon., where I - Set an iron pipe, 2 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone, stamped E. Cr. S B.
330.00	To Cor. No.5, where I - Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground, and surrounded with md. of stone, stamped 5 S B - 4164. from which Loc. Mon. brs. N.20°41'E., 310.0 ft. dist. No other bearings are available. Thence N.73°24'50"W.
167.63	Intersect lines 5-1 and 2-3, Silica No.1 and Capote lodes, respectively, of this Sur.
923.91	To Cor. No.1, the place of beginning. SILVER KING Lode. Beginning at Cor. No.1, identical with Loc. Mon., where I - Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground, and surrounded with md. of stone, stamped 1 S K - 4164. From which the Cor. of Secs. 21, 22, 27 and 28, T. 4 S., R.29 E. G. & S.R.B & M brs. S.63°35'36"W., 1472.52 ft. dist.; a G.L.O iron post 2 ins. diam. 18 ins. above ground, firmly set, marked and witnessed as described in the official record. No other bearings are available. Thence North.
337.30	To W. end center, identical with Loc. Mon., where I - Set an iron pipe, 2 ins. diam. by 4 ft. high, set firmly in the ground, and surrounded with md. of stone stamped W. Cr. S.K.
674.60	To Cor. No.2, identical with Loc. Mon. and Cor. No.3 Silica No.1 lode of this Sur., heretofore described. Thence N.62°46'20"E.
1450.21	To Cor. No.4, Silica. No.1 lode of this Sur., heretofore described.
1455.96	Intersect line 2-3 Sur. No.3304 Canon lode at S.55°18'E., 664.92 ft. from Cor. No.3.
1484.50	To Cor. No.3, identical with Loc. Mon., where I -

Feet.

MINERAL SURVEY No. 4164
SILVER KING Lode.

Feet

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped

3 S K - 4164

No bearings are available.

Thence South -

30.63 Intersect line 2-3 Sur. No. 3304 Canon lode, at S. 55° 18' E., 695.78

ft. from Cor. No. 3.

337.30 To E. end center, identical with Loc. Mon., where I -

Set an iron pipe, 2 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone, stamped E. Cr. S K .

674.60 To Cor. No. 4, identical with loc. mon., where I -

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped

4 S K - 4164

No bearings are available.

Thence S. 62° 46' 20" W.

1484.50 To Cor. No. 1, the place of beginning.

STARGO EXTENSION Lode.

Beginning at Cor. No. 1, identical with Cor. No. 5, El Paso Lode of this Sur. and Cor. No. 2 Sur. No. 3304 June lode, heretofore described.

from which the 1/4 Cor. of Secs. 21 and 22, T. 4 S., R. 29 E., G & S R. B & B brs. N. 9° 03' 10" W., 274.48 ft. dist.

Loc. Mon. brs. S. 64° 53' E., 36 ft. dist.

Thence S. 30° 58' W.

120.84 To E. end center, where I -

Set an iron pipe, 2 ins. diam. by 4 ft. high, set firmly in the ground and surrounded with md. of stone, stamped E. Cr. S Ex.

203.66 To Cor. No. 2, where I -

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground, set 18 ins. in the ground and surrounded with md. of stone, stamped

2 S. Ex - 4164. from which

Loc. Mon. brs. S. 74° 35' E., 38 ft. dist.

No other bearings are available.

Feet.

MINERAL SURVEY No.4164
STARGO Extension Lode.

501.00
573.25

Thence N.74°35'W.

130.94

To Cor No.1, El Paso Lode of this Sur. and Cors. Nos. 1, Sur. No.

501.00

3868 Stargo and Triangle lodes, heretofore described.

573.25

Road brs. southerly .

To Cor. No.3, identical with Loc. Mon. On line 4-1 Surat No.3868

159.69

Zacatecas lode and line 1-2 Sur. No.3868 Stargo at S.74°35'E.,

159.69 ft. from Cor. No.2. Where I -

210.0

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground,

210.0

set 18 ins. in the ground and surrounded with md. of stone, stamped

210.0

3 S Ex - 4164.

No bearings are available.

150.00

Thence N.30°58'E.

150.00

To W. end center, identical with Loc. Mon., where I -

238.40

Set an iron pipe, 2 ins. diam. by 4 ft. high, set firmly in the

238.40

ground and surrounded with md. of stone, stamped W. Cr. S Ex.

297.83

Road brs. southerly.

To Cor. No.1, Sur. No.3868 Zacatecas lode, hereinafter described.

300.75

To Cor. No.4, identical with Loc. Mon. on line 2-3 Sur. No.3304

June lode, where I -

5581.86

Set an iron pipe, 2 ins. diam., with cap on top, 24 ins. above ground,

5581.86

set 18 ins. in the ground and surrounded with md. of stone, stamped

5581.86

4 S Ex - 4164, from which U.S. L.M. No.1654 brs. N.34°59'56"W.,

5581.86 ft. dist.

No other bearings are available.

555.20

Thence S.64°53'E.

To Cor. No.1, the place of beginning.

LODE LINES.

The presumed course of the vein of each of the several locations embraced in this survey, counted from their respective points of discovery, is as follows:

1255.74

El Paso Lode, S.56°31'30"W. 120 ft.; and N56°31'30"E., 1255.74 ft.

970. ft.

Capote lode, N.56°31'30"E., 530 ft.; and S.56°31'30"W., 970. ft.

1350. ft.

Silica No.1 lode, S.56°31'30"W., 150 ft.; and N 56°31'30"E., 1350. ft.

1304.5 ft.

Silver King lode, S.62°46'20"W., 180 ft.; and N.62°46'20"E., 1304.5 ft.

1046.72 ft.

Silver Bonanza lode, West, 50 ft.; and East, 1046.72 ft.

100 ft.

Stargo Extension lode, S.67°56'06"E., 100 ft. and N.67°56'06"W 459 ft.

MINERAL SURVEY No. 4164

AREAS.

	Acres
Total area, El Paso lode -----	18.445
Area in conflict with-----	
Stargo Extension lode of this Sur. -----	0.295
Sur. No. 3304 Ford lode -----	0.030
Capote lode of this Sur. -----	0.000
Total area, Capote lode. -----	19.973
Area in conflict with -----	
Silver Bonanza lode of this Sur. -----	1.836
Sur. No. 3304, Globe lode -----	0.116
Sur. No. 3304, Canon lode -----	0.016
Total area, Silica No. 1 lode -----	16.908
Area in conflict with -----	
Silver Bonanza lode of this Sur. -----	1.653
Sur. No. 3304 Canon lode -----	0.088
Total area, Silver King lode -----	20.443
Area in conflict with-----	
Sur. No. 3304, Canon lode -----	0.009
Total area, Silver Bonanza lode -----	11.301
Total area, Stargo Extension lode -----	3.198

LOCATION.

This survey is located in the N.W. 1/4 Sec. 22, S.W. 1/4 Sec. 22, and the S.E. 1/4 Sec. 21, T. 4 S. R. 29 E. G & S.R. B & M., Arizona.

EXPENDITURE OF \$500

I certify that 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 is not less than \$500

and that said improvements consist of:

EL Paso Lode.

No. 1. The discovery cut of the El Paso lode, the face of which being the discovery point is on the lode line, 170 ft. from the center of line 1-2, 4 1/2 ft. wide 8 ft. face (filled) running west 20 ft. to

Value \$100.00

Feet.

MINERAL SURVEY No.4164
EXPENDITURE OF \$500
EL PASO Lode.

No.2 A shaft, the center of which brs. from Cor. No.1 S.58°30'E.260 ft.
4 x 6 ft. 10 ft. deep.
Value \$100.

No.3 A cut, the mouth of which brs. from Cor. No.1, S.58°30'E., 200 ft.
4 1/2 ft. wide 6 ft. face (caved) running N.45°E., 25 ft. to face.
Value \$100.
An undivided 1/10 interest in improvement No.2, Sur. No.3868 Stargo
Lode, hereinafter described, credited to this lode.
Value \$1287.

CAPOTE Lode.

No.1 The discovery cut of the Capote lode, the face of which being the
discovery point, on the lode line, 530 ft. from a point on line 3-4
308.25 ft. from Cor. No.3. 4 1/2 ft. wide, 12 ft. face running
N.16°E.,30 ft. to mouth.
Value \$150.

No.2 A shaft, the center of which brs. from Cor. No.3, S.77°30'W.,625 ft.
4 x 6 ft. 40 ft. deep.
Value \$400.

No.3 A tunnel, the mouth of which brs. from Cor. No.3 West, 390 ft.
5 x 7 ft. running S. 50°W., 50 ft. to breast.
Value \$500.

No.4 A shaft, the center of which brs. from Cor. No.3, N.80°30'W.,350 ft.
4 x 6 ft. 10 ft. deep.
Value \$100.

No.5 A shaft, the center of which brs. from Cor. No.3 N.71°W., 300 ft.
4 x 6 ft. 20 ft. deep.
Value \$ 200.

No.6 A tunnel, the mouth of which brs. from Cor. No.5, S. 4° W., 150 ft.
5 x 7 ft. running N. 78° W.,50 ft. to breast.
Value \$500.

No.7 A trench, the S end of which brs. from Cor. No.1 N.86°E.,180 ft.
4 ft. wide, 6 ft. deep, running N.37°E., 120 ft.
Value \$1000.

No.8 A trench, the S end of which brs. from Cor. No.1 S. 75°30'E.,135 ft.
4 ft. wide, 6 ft. deep, running N.37° E., 20 ft.
Value \$160.

No.9 A shaft, the center of which brs. from Cor. No.1, N.59° E., 530 ft.
4 x 6 ft. 35 ft. deep.
Value \$350.

An undivided 1/10 interest in improvement No. 2 Sur. No.3868 Stargo
Lode, hereinafter described, credited to this lode.
Value \$ 1287.

MINERAL SURVEY No.4164
EXPENDITURE OF \$500.
SILICA No.1 Lode.

- No.1 The discovery shaft of the the Silica No.1 lode, the center of which being the discovery point, on the lode line, 150 ft. from a point on line 1-2, 308.25 ft. from Cor. No.1, 4 x 6 ft. 10 ft. deep.
Value \$100.
- No.2 A trench, the S. end of which brs. from Cor. No.3, N.85°30'W.,120 ft. 5 ft. wide, 6 ft. deep, running N. 18°E., 35 ft. dist.
Value \$350.
- No.3 A trench, the S. end of which brs from Cor.3, N.18°W.,160 ft. 5 ft. wide, 6 ft. deep, running N.35°E., 60 ft. dist.
Value \$600.
- No.4 A trench, the S. end of which brs. from Cor. No.3, North 250 ft. , 5 ft. wide, 6 ft. deep. running N.32°E.,25 ft.
Value \$200.
- No.5 A cut, the mouth of which brs. from Cor. No.5, S.9°45'E.,240 ft. 4 1/2 ft. wide, 8 ft. face, running S.40°W., 18 ft. to face.
Value \$100.
- No.6 A tunnel, the mouth of which brs. from Cor. No.5, S.15°E., 270 ft. 5 x 7 ft. running S.23°E., 50 ft. to breast.
Value \$500.
- No.7 A shaft, the center of which brs. from Cor. No.5, S.36°W., 725 ft. 4 x 6 ft. 20 ft. deep.
Value \$200.

An undivided 1/10 interest in improvement No.2, Sur. No.3868 Stargo lode, hereinafter described, credited to this lode.
Value \$1287.

SILVER BONANZA Lode.

- No.1 The discovery cut of the Silver Bonanza lode, the face of which being the discovery point, on the lode line, 50 ft. from a point on line 2-3, 186.7 ft. from Cor. No.2, 4 1/2 ft. wide, 15 ft. face, running S.47°W., 30 ft. to mouth.
Value \$200.
- No.2 A shaft, the center of which brs. from Cor. No.2 South 160 ft. 4 x 6 ft. 8 ft. deep.
Value \$100.
- No.3 A cut, the mouth of which brs. from Cor. No.2, S.68°45'E., 150 ft. 4 1/2 ft. wide, running N.47°E.50 ft. to face (10 ft. deep). From face is a tunnel 4 x 6 ft. running N.47°E.,8 ft. to breast.
Value Cut and tunnel \$560.
- No.4 A trench, the S. end of which brs. from Cor. 3, N.36°30'E.,75 ft. 4 ft. wide, 6 ft. deep, running N. 30°E.,10 ft. dist. Value \$100.
- An undivided 1/10 interest in improvement No.2, Sur.No.3868 Stargo lode, hereinafter described, credited to this lode. Value \$1287.

SILVER KING Lode.

- No.1 The discovery trench of the Silver King lode, the North end of which being the discovery point is on the center line, 180 ft. from the center of line 1-2; 4 1/2 ft. wide, 8 ft. deep running S.30°W. 50 ft. to shaft 4 x 6 ft. 30 ft. deep.
Trench and shaft Value \$1000.
- No.2 Trench and shaft - Value \$1000.

MINERAL SURVEY No.4164
EXPENDITURE OF \$500
SILVER KING Lode.

No.2 A trench, the S. end of which brs. from Cor. No.1, N.15° E., 335 ft.
4 1/2 ft. wide, 6 ft. deep, running N.50°E., 30 ft.

Value \$250.

No.3 A trench, the S. end of which brs. from Cor. No. 2, S.56°30'E.,
310 ft. 4 1/2 ft. wide, 6 ft. deep running N. 40° E., 20 ft.

Value \$150.

No.4 A cut, the mouth of which is on the center line 730 ft. from the
center of line 3-4, 4 1/2 ft. wide, 15 ft. face, running S.62°45'
W., 12 ft. to face.

Value \$100.

No.5 A tunnel, the mouth of which brs. from Cor. No.4, N.57°W., 400 ft.,
4 x 6 ft. running S.56°W., 20 ft. to breast.

Value \$200.

No.6 A shaft, the center of which brs. from Cor. No.4, N.57°W., 340 ft.
4 x 6 ft. 10 ft. deep.

Value \$100.

No.7 A shaft, the center of which brs. from Cor. No.4 N. 76°30'W., 325 ft.
4 x 6 ft. 50 ft. deep.

Value \$500.

An undivided 1/10 interest in improvement No.2, Sur. No.3868 Stargo
lode, hereinafter described, credited to this lode. Value \$1287.

STARGO EXTENSION Lode.

No.1 A shaft, the center of which, being the discovery point, on the
lode line 100 ft. from a point on line 1-2, 120.84 ft. from Cor. No.1
8 x 12 ft. 8 ft. deep, (caved)

Value \$320.

No.2 A shaft, the center of which brs. from Cor. No.4, S.46°44'E., 243 ft.
4 x 6 ft. 50 ft. deep.

Value \$500.

An undivided 1/10 interest in improvement No.2 Sur. No.3868 Stargo
lode, hereinafter described, credited to this lode, Value \$1287.

An interest in a common improvement described as follows:

A shaft 5 x 8 ft. in size, 200 ft. deep, the center of which brs.
from Cor. No.4, Sur. No.3868 Stargo lode, N.10°34'W., 545 ft.

At 50 ft. below collar (sta 50) is a drift 4 x 6 ft. running
South 60 ft. to Sta. 51, thence S.29°15'W., 40 ft. to Sta. 52, thence
S.38°45'W., 55 ft. to breast.

At Sta. 50 is another drift 4 x 6 ft. running N.10°E. 105 ft. to
Sta. 53, thence North 230 ft. to Sta. 54, thence N.29°E. 84 ft. to
Sta. 56, thence N.38°E., 165 ft. to breast.

At Sta. 54 a cross cut 4 x 6 ft. running S.75°E., 75 ft. to breast.

At Sta. 54 another cross cut 4 x 6 ft. running N.75°W 23 ft. to
collar of winze 4 x 6 ft. 20 ft. deep. thence from bottom of winze,
(Sta 70) a drift 4 x 6 ft. running N.7°15' W., 180 ft. to Sta. 71,
thence N.2°15'W., 165 ft. to Sta. 72, thence N.28° E., 85 ft. to
breast.

Value of drifts, cross-cuts and winze (exclusive of shaft)-\$12,870.

Value of 1/10 interest ---\$1287.

This improvement is in the course of construction for the development
of the six lodes of this Sur. and the four lodes of Sur. No.3868,
consisting of the Stargo, Triangle, Tecolote and Zacatecas lodes,
which are all contiguous lode claims owned in common, within the
range of benefit of said tunnel.

MINERAL SURVEY No.4164
EXPENDITURE OF \$500.

The surface rises rapidly to the north and the east from the collar of the shaft and the extension in its present course, with necessary laterals, affords the most practical and economical means of developing each of the stated lodes at depth.

Five hundred dollars or over has been expended in this improvement in such a manner as tends to the development of each lode of this survey subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore an undivided one tenth interest in its value is hereby credited to each of said lodes and a like interest apportioned to each of the other stated lodes of the common group.

An undivided 1/4 interest in the main shaft, value \$4000. was credited to each of the four claims of Sur. No.3868

Except as above stated, no portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.

OTHER CORNER DESCRIPTIONS.

Sur. No.3868 Triangle, Stargo and Zacatecas lodes, all corners consist of 1 in. iron pipe with brass caps, firmly set and properly marked. I find all courses and distances to be correct as approved.

Sur. No.3304, June, Three Loop, Ford, Globe and Canon lodes, all corners consist of 4 x 6 in. pine posts, properly set and scribed with the number of the corner and the Survey, except Cors. Nos. 1 and 2 June and Three Loop, and Cor. No.1 Ford lode, which are rock in place, chiseled with the number of the corners and the survey.

Cor. No.2 June and Cor. No.2 Ford lodes, the posts were missing and I therefore set iron posts in their exact positions in the old monuments as described in these field notes.

Line 2-3 Ford lode fails to furnish the course and distance as approved (N.42°39'W., 593.8 ft) I find same to be N.42°32'50"W., 593.41 ft.

Cor. No.3 Globe lode is missing, its conflict with this Sur. was therefore calculated from the records.

All other lines of this Sur. are found to be correct as approved.

U.S. IM No.1654 is a pine post 6 ins. sq. by 8 ft. high, surrounded with md. of stone, 6 ft. base by 4 1/2 ft. high, scribed U.S.L.M. No.1654.

ADJOINING CLAIMS.

On the north by Sur. No.3304 June, Three Loop, Ford, Globe and Canon lodes.

On the East by Sur. No.3304 Ford, Globe and Canon lodes.

On the West by Sur. No. 3868, Triangle, Stargo, Zacatecas and Sur. No.3304 June and Three Loop lodes.

There are no other adjoining or conflicting claims.

FINAL OATHS FOR SURVEYS

LIST OF NAMES

A list of the names of the individuals employed by T.N. Stevens

United States Mineral Surveyor, to assist in running, measuring, and marking the lines, corners, and boundaries described in the foregoing field notes of the survey of the mining claim of

Phelps Dodge Corporation and Stargo Silver-Belt Mining Co.,

known as the EL PASO, CAPOTE, SILICA NO. 1, SILVER BONANZA, SILVER KING and STARGO EXTENSION lodes.

and showing the respective capacities in which they acted.

E.G. Lewis, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

FINAL OATHS OF ASSISTANTS

We, I, E.G. Lewis

and do solemnly swear that ^I we assisted T.N. Stevens

....., United States Mineral Surveyor, in marking the corners and surveying

the boundaries of the mining claim of Phelps Dodge Corporation and Stargo Silver-Belt Mining Co.

known as the EL PASO, CAPOTE, SILICA NO. 1, SILVER BONANZA, SILVER KING and STARGO EXTENSION lodes.

represented in the foregoing field notes as having been surveyed by said mineral surveyor and under his

direction; and that said survey has been in all respects, to the best of ^{my} ~~our~~ knowledge and belief, faithfully

and correctly executed, and the corner and boundary monuments established according to law and the instruc-

tions furnished by the Office Cadastral Engineer, at Phoenix, Arizona

E.G. Lewis, Chainman.

....., Chainman.

....., Axman.

....., Flagman.

Subscribed and sworn to by the above-named persons before me this 11 th

day of August, 19 33

[Signature]

Notary Public

FINAL OATH OF U. S. MINERAL SURVEYOR.

I, T.N. Stevens, U. S. Mineral Surveyor, do solemnly swear that, in pursuance of instructions received from the Office Cadastral Engineer, at Phoenix, Arizona, dated April 25, May 8, and June 15, 1933, I have, in strict conformity to the laws of the United States, the official regulations and instructions thereunder, and the instructions of said Office Cadastral Engineer, faithfully and correctly executed the survey of the Mining Claim of Phelps Dodge Corporation and Stargo Silver - Belt Mining Co., under amended locations of the original locations of Telesfano Chavez et al., Thos. F. Campbell and I. P. Campbell, known as the EL PASO, CAPOTE, SILICA NO. 1, SILVER BONANZA, SILVER KING and STARGO EXTENSION lodes situate in Copper Mountain Mining District, Greenlee County, Arizona, in Section 21 and 22, Township No. 4 S., Range No. 29 E. G. & S. R. B & M., and designated as Survey No. 4164, as represented in the foregoing field notes, which accurately show the boundaries of said mining claim as distinctly marked by monuments on the ground, and described in the attached copy of the location certificate, which was received by me from the Office Cadastral Engineer with said instructions, and that all corners of said survey have been established and perpetuated in strict accordance with the law, official regulations and instructions thereunder; and I do further solemnly swear that the foregoing are the true and original field notes of said survey and my report therein, and that the labor expended and improvements made upon said mining claim by claimant or its grantors are as therein fully stated, and that the character, extent, location, and itemized value thereof are specified therein with particularity and full detail, and that no portion of said labor or improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

T. N. Stevens
U. S. Mineral Surveyor.

Subscribed and sworn to by the said T. N. Stevens, U. S. Mineral Surveyor, before me Tom K. Richey, a Notary Public, Pima County, Arizona this 24th day of August, 1933

Tom K. Richey
Notary Public

My Commission Expires January 30-1934

OFFICE CADASTRAL ENGINEER'S FINAL CERTIFICATE ON FIELD NOTES

Department of the Interior

PUBLIC SURVEY OFFICE

Phoenix, Arizona

September 5, 1933.

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the foregoing transcript of the Field Notes, return and approval of the survey of the mining claim of Phelps Dodge Corporation and Stargo Silver-Belt Mining Co.

known as the El Paso, Capote, Silica No.1, Silver Bonanza, Silver King, and Stargo Extension lodes situate in Copper Mountain

Mining District Greenlee County Arizona

in Sections 21 & 22, Township No. 4 South, Range No. 29 East, and designated as Survey No. 4164, has been correctly copied from the originals on file in this office; that said Field Notes furnish such an accurate description of said mining claim as will, if incorporated into a patent, serve fully to identify the premises, and that such reference is made therein to natural objects or permanent monuments as will perpetuate and fix the *locus* thereof.

I further certify that Five Hundred Dollars worth of labor has been expended or improvements made upon, or for the benefit of, each location embraced in said mining claim by claimant Phelps Dodge Corporation or its grantors, and that said improvements consist of 13 shafts, 7 cuts, 5 tunnels, 9 trenches, and an undivided $\frac{3}{5}$ interest in drifts, cross cuts and winze on the Stargo lode claim of Mineral Survey No. 3868 which is an improvement common to the four lodes of Min. Sur. No. 3868, and the six lodes of this Sur.

Total Value \$17,512.00

and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

I further certify that the plat thereof, filed in the U. S. Land Office at Phoenix, Arizona

is correct and in conformity with the foregoing Field Notes.

Sherman C. Fiske

Acting Office Cadastral Engineer.

4-687

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF
MINING CLAIM

DEPARTMENT OF THE INTERIOR
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

September 5, 1933

I, Office Cadastral Engineer at Phoenix, Arizona

do hereby certify that the foregoing and hereto attached Field Notes and Return of the Survey of the

Mining Claim of Phelps Dodge Corporation and Stargo Silver-Belt

Mining Co.

, known as the

El Paso, Capote, Silica No. 1, Silver Bonanza, Silver King

and Stargo Extension lodes

situate in Copper Mountain mining district,

Greenlee County, Arizona

in Sections 21 and 22, Township No. 4 South, Range No. 29 East

G. & S. E. B. & M., designated as Survey No. 4164

executed by T. N. Stevens, U. S. Mineral

Surveyor, May 11 to August 10, 1933, under my instructions dated

Apr. 25, May 8, and June 15, 1933, have been critically examined and the necessary

corrections and explanations made, and the said Field Notes and Return, and the Survey they describe,

are hereby approved. The certified ^{copies} ~~copy~~ of the location certificates filed by the applicant for survey ~~is~~

~~is~~ ^{are} on file in this office and ~~a~~ ^{copies} true ~~copy~~ of said certified ^{copies} ~~copy~~ of said location certificates ^{are} ~~is~~ included and

made a part of the transcript of the field notes.

Sherman C. Fiske
Sherman C. Fiske

Acting Office Cadastral Engineer.

4-683

MINERAL SURVEY No. 4164ARIZONA *Land District*SUPPLEMENTAL
FIELD NOTES

OF THE SURVEY OF THE MINING CLAIM OF

Phelps Dodge Corporation and Stargo Silver-Belt Mining Co.,

KNOWN AS THE

EL PASO, CAPOTE, SILICA No.1, SILVER BONANZA, SILVER KING,
and STARGO EXTENSION lodesCOPPER MOUNTAIN *Mining District,*GREENLEE *County,* ARIZONASections 21 and 22, Township 4 South, Range 29 East
G. & S. R. B. & M.*Surveyed under instructions dated* April 25th, May 8th
and June 15th, 1933.*By* T. N. Stevens*U. S. Mineral Surveyor.**Claim located* _____, 19____*Survey commenced* May 11 _____, 1933*Survey completed* Aug. 10 _____, 1933*Address of claimant* Phelps Dodge Corporation thru
John H. Page & Co., Attorneys, Phoenix, Arizona.

DATES OF AMENDED LOCATIONS

Sept. 17, 1915; Dec. 28, 1932; May 4, 1933and Nov. 4, 1935.