

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT

RECEIVED  
U. S. LAND OFFICE  
Phoenix, Arizona  
JAN 10 1952

MINERAL SURVEY NO. 4329

Arizona Land District.

FIELD NOTES

Of The Survey Of The Mining Claim Of

American Smelting and Refining Company

Known As The

Bobby, Eugene Mine, Raleigh No. 1, Raleigh No. 2, Crown and  
June No. 45, Silver Bell Mining District,  
Pima County, Arizona

Sections 4, 33 and 34, Townships 11 & 12 S., Range 8 E.

Surveyed under instructions dated June 1, 1948

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

Claim located 2-23-06, 2-15-04, 6-21-40, and 9-20-1940

Survey commenced July 6, 1948

Survey completed July 26, 1948

Address of claimant Ben C. Hill, Attorney  
77 Court Street, Tucson, Arizona

DATES OF AMENDED LOCATIONS

2-5-1907 and 9-17-1940

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
BUREAU OF LAND MANAGEMENT

1-688

MINERAL SURVEY NO. \_\_\_\_\_

\_\_\_\_\_  
Land District

FIELD NOTES

Of The Survey Of The Mining Class Of

\_\_\_\_\_

Known As The

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\_\_\_\_\_

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Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

Surveyed under instructions dated \_\_\_\_\_ 19\_\_

by \_\_\_\_\_  
U. S. Mineral Surveyor

Claim located \_\_\_\_\_

Survey commenced \_\_\_\_\_ 19\_\_

Survey completed \_\_\_\_\_ 19\_\_

Address of claimant \_\_\_\_\_  
\_\_\_\_\_

DATES OF AMENDED LOCATIONS

\_\_\_\_\_

This survey was made with a Buff & Buff transit with horizontal limb 5 ins. diam. having two opposite verniers; the verniers read to one minute of arc. 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:

July 9, 1948 at Cor. No. 1 June No. 45 lode, in latitude  $32^{\circ}25'45''N.$  and longitude  $111^{\circ}32'30''W.$ , I made a series of altitude observations upon the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, bisecting the sun and reading the horizontal angle from the reference point N.E. to the sun.

Mean time of observation, 105th meridian standard time 9h 28m A.M.

Apparent time 9h 02m A.M.

Declination of sun at mean time of observation  $22^{\circ}19'25.9''$

Mean observed vertical angle to sun's center  $49^{\circ}05'10''$

Mean horizontal angle from reference point to sun's center  $52^{\circ}48'$

True bearing of reference point  $N.39^{\circ}50'E.$

The lines were measured with a Lufkin steel tape, 500 feet in length, graduated every foot, with the last foot graduations to tenths and hundredths; and a 100 ft. steel tape graduated to feet, tenths and hundredths; both tapes were compared with a standard and were correct at the time of the survey.

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  $15^{\circ}E.$

Feet.

## BOBBY LODGE

At Cor. No. 1 of the Bobby lode

Set an iron post,  $3\frac{1}{2}$  ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by a mound of stone to top with leaden cap mkd. 1 B-4329; from which

The E.  $\frac{1}{4}$  cor. Sec. 33, T. 11 S., R. 8 E., bears  $S.82^{\circ}40'30'' E.$ , 520.83 ft. dist.; an iron post, 1 in. diam., 18 ins. above ground, firmly set and marked as described in the official record.

Thence S.  $7^{\circ}27' E.$

303.65 Lode line; discovery point bears  $S.66^{\circ}50'W.$ , 1009.46 ft. dist.

Set a pine post, 4 ins. sq., 4 ft. long, firmly in the ground, surrounded by mound of stone mkd. E. Cr. B.

607.3 Cor. No. 2, identical with Cor. No. 1 Eugene Mine lode of this survey.

Set an iron post,  $3\frac{1}{2}$  ft. long, 2 ins. diam., 18 ins. in the ground, surrounded by mound of stone to top with leaden cap mkd. 2 B, 1E-4329.

Thence S.  $66^{\circ}50' W.$

30.0 Enter wash, 50 ft. wide.

100.0 Leave sand wash, 50 ft. wide, course northerly.

## Survey No. 4329

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Feet	
930.0	Center wash, 30 ft. wide, course northwesterly.
1408.04	Intersect line 3-4 Sur. No. 2513 Ruby lode, claimant herein at S.13°41'E., 248.45 ft. from Cor. No. 3 and N.13°41'W., 15.55 ft. from Cor. No. 4.
1467.38	Intersect line 4-5 Sur. No. 2513 Ruby lode at S.81°57'W., 58.82 ft. from Cor. No. 4.
1499.46	Cor. No. 3, identical with Cor. No. 5 Eugene Mine lode of this survey and Cor. No. 4 Sur. No. 1987 Strip lode, claimant herein.  Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top, with leaden cap marked 3 B, 5 E-4329, 4S-1987.  Cor. No. 4, Sur. No. 2513 Ruby lode bears N.76°37'45" E., 90.16 ft. dist.  Thence N.7° 27' W.
8.36	Intersect line 4-5 Sur. No. 2513, Ruby lode at a point from which Cor. No. 4 bears N.81°57'E., 89.68 ft. dist.
303.65	Lode line; discovery point bears N.66°50'E., 490.0 ft.  Set a palo verde post, 3 ins. diam., 3½ ft. long, firmly in the ground and surrounded by mound of stone, mkd. W. Cr. B.
566.56	Intersect line 1-2 Sur. No. 2513 Ruby lode at S.79°43'W., 92.33 ft. from Cor. No. 2 and N.79°43'E., 1387.67 ft. from Cor. No. 1.
607.3	Cor. No. 4.  Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top, with leaden cap mkd. 4-B-4329.  Cor. No. 2 Sur. No. 2513 Ruby lode bears S.76°02'E., 99.06 ft. dist.  Thence N.66°50'E.
370.0	Center gulch, 40 ft. wide, course northwesterly.
1499.46	Cor. No. 1 and place of beginning.
----- EUGENE MINE Lode	
Beginning at Cor. No. 1 of the Eugene Mine lode, identical with Cor. No. 2 Bobby lode of this survey; from which	
The E. ¼ cor. Sec. 33, T. 11 S., R. 8 E., bears N. 39° 15' 30" E., 691.97 ft. dist.	
Thence S.7° 27' E.	
20.0	Enter wash, 50 ft. wide, course northwesterly.
70.	Leave wash.
303.65	Lode line; discovery point bears S.66°50' W., 899.46 ft.

## Survey No. 4329

Feet	
477.28	Set a pine post, .4 ins. sq., 4 ft. long, firmly in the ground, surrounded by a mound of stone, marked E. Cr. E. Intersect line 3-4 Raleigh No. 2 lode of this survey.
497.	Center gulch, 20 ft. wide, course northwesterly.
606.4	Cor. No. 2 Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top, with leaden cap mkd. 2 E-4329.
	Cors. Nos. 3 and 4, Raleigh Nos. 2 and 1 lodes of this survey bear N.85°31'W., 265.79 ft. dist.  Thence S.66° 50' W.
273.74	Intersect lines 2-3 and 4-1, Raleigh Nos. 2 and 1 lodes of this survey.
709.	Center of wash, 30 ft. wide, course northerly.
890.	Trail, bears northeasterly and southwesterly.
901.3	Cor. No. 5 Sur. No. 1987 Billy lode, claimant herein on line 2-3 Raleigh No. 1 lode of this survey, which is monumented by a pine post, 4 ins. sq. badly decayed, set in mound of stone, mkd. 5 B-1987. I remove post. At the corner point,
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top, with leaden cap mkd. 5 B-1987.
1191.3	Cor. No. 3, identical with Cor. No. 6 Sur. No. 1987 Billy lode, which is monumented by a pine post, 4 ins. sq., badly decayed, and unsuitable for permanent corner. I remove post, At the corner point, Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top, with leaden cap mkd. 3.E-4329, 6 B-1987.
	Thence S.66° 40' W.
308.7	Cor. No. 4, identical with Cor. No. 1 Sur. No. 1987 Billy lode, on line 3-4 Sur. No. 1987 Strip lode, claimant herein, which is monumented by a pine post, 4 ins. sq. badly decayed. I remove post. At the corner point, Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top, with leaden cap marked 4 E-4329 1 B-1987.
	Thence N.7° 27' W.
303.65	Lode line; discovery point bears N.66°50'E., 600 ft. dist. Set a palo verde post, .3 ins. diam., 4 ft. long, firmly in the ground, surrounded by mound of stone mkd. W Cr E.
607.3	Cor. No. 5, identical with Cor. No. 3 Bobby lode of this survey and Cor. No. 4 Sur. No. 1987 Strip lode, heretofore described.

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Survey No. 4329

Feet	
	Thence N.66° 50'E.
32.08	Intersect line 4-5 Sur. No. 2513 Ruby lode at a point from which Cor. No. 4 bears N.81°57'E., 58.82 ft. dist.
91.42	Intersect line 3-4 Sur. No. 2513 Ruby lode at a point from which Cor. No. 4 bears S.13°41'E., 15.55 ft. dist.
569.46	Center wash, 30 ft. wide, course northwesterly.
1399.46	Enter sand wash, 50 ft. wide, course northwesterly.
1469.46	Leave sand wash.
1499.46	Cor. No. 1 and place of beginning.
-----	
	RALEIGH No. 1 lode.
	At Cor. No. 1 of the Raleigh No. 1 lode, identical with Cor. No. 2 Raleigh No. 2 lode of this survey, on line 4-1 Sur. No. 1983, Red Ridge lode, claimant herein at S.66° 38' W., 677.8 ft. from Cor. No. 4.
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top with leaden cap mkd. 1 R No. 1, 2 R No. 2-4329; from which
	The cor. to secs. 33, 34, 3 and 4, Ts. 11 and 12 S., R. 8 E., bears S.85°18' 30" E., 471.5 ft. dist.
	Thence S.66°38'W.
314.45	Lode line; discovery point bears N.5°55'W., 1300.0 ft. dist.
628.9	Cor. No. 2, on line 4-1 Sur. No. 1983 Red Ridge lode and line 4-5 Sur. No. 1887 Billy lode.
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top with leaden cap. mkd. 2R No.1-4329.
	Cor. No. 1 Sur. No. 1983 Red Ridge lode bears S.66° 30'W., 197.1 ft. dist.
	Cor. No. 4 Sur. No. 1987 Billy lode bears S.5°55'E., 108.0 ft. dist.
	Thence N.5°55'W.
378.	Wash, 20 ft. wide, course southwesterly.
1373.33	Cor. No. 5 Sur. No. 1987 Billy lode, on line 2-3 Eugene Mine lode of this survey, heretofere described.
1500.00	Cor. No. 3.
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top, with leaden cap mkd. 3 R No.1-4329.
	Cor. No. 6 Sur. No. 1987 Billy lode which is identical with Cor. No. 3 Eugene Mine lode of this survey bears S.46°33'46" W., 349.20 ft. dist.
	Thence N.66°38'E.
100.	Trail, bears northerly.

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Feet	
230.	Wash, 20 ft. wide, course northerly.
314.45	Lode line; discovery point S.5°55'E., 200.0 ft. dist. Set a pine post, 4 ins. sq., 4 ft. long, firmly in the ground, surrounded by mound of stone mkd. N.Cr.R.No.1.
628.9	Cor. No. 4, identical with Cor. No. 3 Raleigh No. 2 lode of this survey. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top with leaden cap mkd. 4 R No.1-3 R. No.2-4329. Cor. No. 2 Eugene Mine lode of this survey, bears S. 85°31'E., 265.79 ft. dist. Thence S.5°55'E.
129.15	Intersect line 2-3 Eugene Mine lode of this survey.
885.0	Wash, 15 ft. wide, course southwesterly.
1200.0	Wash, 15 ft. wide, course northwesterly.
1500.0	Cor. No. 1 and place of beginning.
----- RALEIGH No. 2 lode.	
	At Cor. No. 1 of the Raleigh No. 2 lode, on line 4-1 Sur. No. 1983 Red Ridge lode. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top with leaden cap mkd. 1 R No.2-4329; from which The Cor. to Secs. 33, 34, 3 and 4, Ts. 11 and 12 S., R. 8 E., bears S.20°27'W., 307.36 ft. dist. Cor. No. 4 Sur. No. 1983 Red Ridge lode bears N.66°38' E., 48.9 ft. dist. Thence S.66°38'W.
160.0	Small wash, course northwest.
314.45	Lode line; discovery point bears N.5°55'W., 1300 ft.
350.0	Small wash, course north.
628.90	Cor. No. 2. Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top with leaden cap mkd. 2 R No.2-4329. Thence N.5°55' W.
300.0	Wash, 15 ft. wide, course northwesterly.
615.0	Wash, 15 ft. wide, course southwesterly.
1370.85	Intersect line 2-3 Eugene Mine lode of this survey.
1500.00	Cor. No. 3, identical with Cor. No. 4 Raleigh No. 1 lode of this survey. Thence N.66°38'E.

Feet	
250.0	Wash, 20 ft. wide, course northwesterly.
270.44	Intersect line 1-2 Eugene Mine lode of this survey.
314.45	Lode line; discovery point bears S.5°55'E., 200.0 ft. dist.
628.9	Cor. No. 4
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top with leaden cap mkd. 4 R No.2-4329.
	Thence S.5°55'E.
1500.00	Cor. No. 1 and place of beginning.
-----	
	CROWN Lode
	At Cor. No. 1 of the Crown lode.
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top with leaden cap mkd. 1 C-4329; from which
	The W. ¼ cor. Sec. 33, T. 11 S., R. 8 E., bears S.10°52'W., 893.4 ft. dist.; consisting of an iron post, 1 in. diam. with brass cap about 18 ins. above ground, firmly set and marked as described in the official record.
	Cor. No. 4, Sur. No. 2794 Northern Star lode, claimant herein, bears S.55°33'E., 327.48 ft. dist.
	Thence N.39°50'E.
272.0	Old railroad grade bears northeasterly.
300.0	Lode line; discovery point bears S.43°40'E., 1450.0 ft. dist.
	Set a pine post, 4 ins. sq., 4 ft. long, firmly in the ground surrounded by a mound of stone, mkd. N. Cr. C.
600.0	Cor. No. 2, identical with Cor. No. 2, Sur. No. 2790 Rex lode, claimant herein.
	I remove the old pine post which is badly decayed.
	At the corner point,
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top with leaden cap mkd. 2C-4329.2-R-2790.
	Thence S.43°40'E.
334.0	Road, bears northerly.
1500.00	Cor. No. 3, identical with Cor. No. 1 Sur. No. 2790 Rex lode, on line 1-2 Sur. No. 2791 Columbia lode, claimant herein at S.39°50'W., 70.0 ft. from Cor. No. 2, which is monumented by a pine post, 4 ins. sq. badly decayed, set in mound of stone marked 1 R-2790. I remove post.
	At the corner point,

## Survey No. 4329

Feet	
	Set an iron post, $3\frac{1}{2}$ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top, with leaden cap mkd. 3 C-4329, 1 R-2790.
	Cor. No. 3 Sur. No. 2794 Northern Star lode bears N. $43^{\circ}51'W.$ , 822.91 ft. dist.
	Thence S. $39^{\circ}50'W.$
60.0	Road, bears northwesterly.
135.	Wash, 50 ft. wide, course northwesterly.
230.	N. end center, Sur. No. 2790 Columbia lode, a 4x4 in. post in mound of stone.
300.00	Lode line; discovery point bears N. $43^{\circ}40'W.$ , 50 ft. dist.
	Set a pine post, 4 ins. sq., 4 ft. long, firmly in the ground, surrounded by a mound of stone mkd. S. Cr. C.
442.0	Old railroad grade bears northwesterly.
530.0	Cor. No. 2 June No. 45 lode of this survey and Cor. No. 1 Sur. No. 2791 Columbia lode, hereinafter described.
570.0	Old railroad grade bears westerly.
600.00	Cor. No. 4, on line 1-2 June No. 45 lode of this survey.
	Set an iron post, $3\frac{1}{2}$ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by mound of stone to top, with leaden cap mkd. 4 C-4329.
	Thence N. $43^{\circ}40'W.$
23.5	Intersect line 2-3 Sur. No. 2794 Northern Star lode at S. $9^{\circ}17'E.$ , 1050.93 ft. from Cor. No. 3.
30.	Old railroad grade, bears easterly.
155.	Old railroad grade, bears easterly.
650.	Road, bears northeasterly.
725.	Center wash, 50 ft. wide, course westerly.
1080.94	Intersect line 4-1 Sur. No. 2794 Northern Star lode at S: $9^{\circ}17'E.$ , 119.53 ft. from Cor. No. 4.
1188.0	Old railroad grade, bears northerly.
1500.0	Cor. No. 1 and place of beginning.
-----	
JUNE No. 45 lode	
At Cor. No. 1 of the June No. 45 lode.	
	Set an iron post, $3\frac{1}{2}$ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top with leaden cap mkd. 1 J.No.45-4329; from which
	The W. $\frac{1}{4}$ cor. sec. 33, T. 11 S., R. 8 E., bears N. $55^{\circ}23'W.$ , 1062.09 ft. dist. heretofore described.
	U.S.L.M. No. 1204 bears S. $71^{\circ}57'06''W.$ , 1689.72 ft. dist.

Feet	
	Cor. No. 2 Sur. No. 2794 Northern Star lode and Cor. No. 2 Sur. No. 2795 Jesuit Mine lode, claimant herein, bears S.84°08'E., 389.82 ft. dist.
	Corner No. 4 Sur. No. 1819 Pope lode, claimant herein, bears S.51°57'E., 516.1 ft. dist.
	Thence N.39°50'E.
100.0	Old railroad grade, bears easterly.
300.0	Lode line; discovery point bears S.50°05'E., 500.0 ft. dist.
497.67	Intersect line 2-3 Sur. No. 2794 Northern Star lode at N.9°17'W., 427.62 ft. from Cor. No. 2.
515.24	Cor. No. 4 Crown lode of this survey.
545.24	Old railroad grade, bears easterly.
585.24	Cor. No. 2, identical with Cor. No. 1 Sur. No. 2791 Columbia lode on line 3-4 Crown lode of this survey, which is monumented with a pine post 4 ins. sq. badly decayed, in stone monument, mkd. 1 C-2791. I remove post.
	At the corner point,
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top, with leaden cap mkd. 2 J. No.45 1 C-2791.
	Thence S,51°19'E.
32.0	Old railroad grade bears southeasterly.
685.2	Cor. No. 3, identical with Cor. No. 6 Sur. No. 2791 Columbia lode, which is monumented with a pine post, 4 ins. sq. in decayed condition in mound of stone mkd. 6 C-2791. I remove post.
	At the corner point,
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top, with leaden cap mkd. 3 J No. 45-4329 6C-2791.
	Cor. No. 2 Sur. No. 2433 Prince of Wales lode, claimant herein, bears S.62°24'W., 215.71 ft. dist. consisting of a pine post, in mound of stone mkd. 2 P O W-2433.
	Cor. No. 3 Sur. No. 1819, Pope lode, bears S.23°06' 30" E., 183.46 ft.
	Thence S.50° 05' E.
37.6	Intersect line 2-3 Sur. No. 2433 Prince of Wales lode at a point from which Cor. No. 2 bears S.70°59'W., 232.7 ft. dist.
182.0	Old railroad grade, bears northwesterly.
320.0	Enter wash, 30 ft. wide, course northwesterly.
344.82	Intersect line 1-2 Sur. No. 2513 Ruby lode at a point from which Cor. No. 1 bears S.79°43'W., 19.4 ft. dist.

Feet	
363.0	Leave wash, 30 ft. wide, course northwesterly.
547.	Road, bears northwesterly.
732.7	Cor. No. 4, identical with Cor. No. 5 Sur. No. 2791 Columbia lode, which is monumented with pine post, partially decayed, in stone monument mkd. 5 C-2791. I remove post.
	At the corner point,
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top, with leaden cap mkd. 4 J No. 45-4329, 5C-2791.
	Cor. No. 1 Sur. No. 2513 Ruby lode, bears N.52°13'W., 400.58 ft. dist.
	Cor. No. 6 Sur. No. 2513 Ruby lode, bears S.79°54'W., 313.58 ft. dist.
	Cor. No. 5 Sur. No. 2513 Ruby lode, bears S.43°37'48" W., 349.06 ft. dist.
	Thence S.39°50'W.
204.	Road, bears northwesterly.
300.0	Lode line; discovery point bears N.50°05'W., 917.7 ft. dist.
322.72	Intersect line 4-5 Sur. No. 2513 Ruby lode at a point from which Cor. No. 5 bears S.81°57'W., 34.46 ft. dist.
380.	Enter wash, 30 ft. wide, course northerly.
426.53	Intersect line 2-3 Sur. No. 1819 Pope lode, claimant herein, at a point from which Cor. No. 3 bears N.19°01'W., 665.21 ft.
550.0	Leave wash.
600.0	Cor. No. 5.
	Set an iron post, 3½ ft. long, 2 ins. diam., 18 ins. in the ground surrounded by a mound of stone to top, with leaden cap mkd. 5 J No. 45-4329.
	Thence N. 50° 05' W.
50.0	Enter wash, 30 ft. wide, course northeasterly.
80.0	Leave wash.
151.0	Intersect line 1-2 Sur. No. 2433 Prince of Wales lode at a point from which Cor. No. 2 bears N.19°01'W., 776.44 ft. dist. and at 635.59 ft. on same bearing, intersect line 3-4 Sur. 1819 Pope lode at a point from which cor. No. 4 bears S.73°30'W., 373.40 ft. dist.
260.0	Old railroad grade, bears northerly.
752.04	Intersect line 2-3 Sur. No. 2795 Jesuit Mine lode at a point from which Cor. No. 2, identical with Cor. No. 2 Sur. No. 2794 Northern Star lode bears N.17°35'15" W., 406.29 ft. dist., and at 134.16 ft. on same bearing intersect line 3-4 Sur. No. 1819 Pope lode at a point from which Cor. No. 4 bears S.73°30'W., 66.32 ft. dist.

Feet	
873.96	Intersect line 4-5 Sur. No. 1819 Pope lode at a point from which Cor. No. 4 bears N.19°01'W., 32.6 ft. dist.
1248.6	Intersect lines 1-2 Surs. Nos. 2794 and 2795 Northern Star and Jesuit Mine lodes at a point from which Cors. Nos. 2 bear N.75°06'E., 267.06 ft. dist.
1417.70	Cor. No. 1 and place of beginning.

## AREAS

	Acres
Total area, Bobby lode	20.123
Area in conflict with Sur. No. 2513 Ruby lode	0.966
Total area, Eugene Mine lode	20.098
Area in conflict with Raleigh No. 1 lode of this survey	1.761
Raleigh No. 2 lode of this survey	0.773
Sur. No. 2513 Ruby lode	.010
Total area, Raleigh No. 1 lode	20.660
Total area, Raleigh No. 2 lode	20.660
Total area, Crown lode	20.528
Area in conflict with Sur. No. 2794 Northern Star lode	8.022
Total area June No. 45 lode	19.411
Area in conflict with Sur. No. 2513 Ruby lode	1.965
Sur. No. 2433 Prince of Wales lode	7.901
Sur. No. 2433 Prince of Wales, exclusive of its conflict with Sur. No. 2513 Ruby lode	5.936
Sur. No. 1819 Pope lode	6.541
Sur. No. 1819 Pope lode, exclusive of its conflict with Sur. No. 2433 Prince of Wales lode	2.862
Sur. No. 2795 Jesuit Mine lode	1.244
Sur. No. 2795 Jesuit Mine lode, exclusive of its conflict with Sur. No. 1819 Pope lode	1.118
Sur. No. 2794 Northern Star lode	2.270

## LOCATION

This survey is located in Sec. 33; the S.W.  $\frac{1}{4}$  Sec. 34, T. 11 S., R. 8 E., and the N.E.  $\frac{1}{4}$  Sec. 4, T. 12 S., R. 8 E., Gila and Salt River Meridian.

This survey is identical with the respective locations and amended locations 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 of the Bobby lode, the mouth of which being the discovery point is on the center line, 490 ft. from the center of line 3-4, 4 ft. wide, 8 ft. face, running East, 12 ft. to face. Value, \$100.
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## Survey No. 4329

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- |       |   |
|-------|---|
| No. 2 | A shaft, the center of which bears from Cor. No. 3 Bobby lode, N.44° E., 670 ft., 6x8 ft., 50 ft. deep.<br>Value, \$2000.   |
| No. 3 | A tunnel 4x6 ft. in size, the portal of which bears from Cor. No. 3 Bobby lode N.60° 15' E., 810. ft. running S.73° E., 75 ft. to breast.<br>Value, \$750.  |
| No. 4 | A tunnel, 4x6 ft. in size, the portal of which bears from Cor. No. 3 Bobby lode N.31° 30' E., 325. ft., running S.56° W., 60 ft. to breast.<br>Value, \$600.  |
| No. 5 | A cut, the mouth of which is on line 3-4 Bobby lode, 200 ft. from Cor. No. 3, 10 ft. wide, 8 ft. face, running N.41° E., 12 ft. to face.<br>Value, \$200.   |
| No. 6 | A shaft, the center of which is on line 2-3 Bobby lode, 380 ft. from Cor. No. 3, 6x6 ft., 5 ft. deep (caved).<br>Value, \$50.   |
| No. 1 | The discovery cut of the Eugene Mine lode, the mouth of which being the discovery point is on the lode line 600 ft. from a point on line 4-5, 303.65 ft. from Cor. No. 4, 4 ft. wide, 8 ft. face, running west, 12 ft. to face.<br>Value, \$100.  |
| No. 2 | A shaft, the center of which bears from Cor. No. 5 Eugene Mine lode, N.78° E., 440. ft., 6x8 ft., 10 ft. deep.<br>Value, \$100.   |
| No. 3 | A tunnel, the portal of which bears from Cor. No. 5 Eugene Mine lode N.75° 30' E., 400. ft., 4x6 ft. in size, running S.31° 30' W., 170 ft. to Sta. 1. At Sta. 1 a crosscut 4x6 ft. running S.58° E., 13 ft. to breast. From Sta. 1, thence S.31° 30' W., 85 ft. to Sta. 2. At Sta. 2 a crosscut 4x6 ft. running S.59° E., 130. ft. to breast. From Sta. 2 thence S.31° 30' W., 150. ft. to breast.<br>Value of tunnel and crosscuts, \$5480. |
| No. 4 | A cut, the mouth of which bears from Cor. No. 5 Eugene Mine lode, N.75° 30' E., 350. ft. 6 ft. wide, 10 ft. face, running S.35° W., 17 ft. to face.<br>Value, \$100.  |
| No. 5 | A churn drill hole 6 ins. diam., 400 ft. deep, the center of which bears from Cor. No. 4 Eugene Mine lode, N.51° E. 260 ft.<br>Value, \$1600.   |
| No. 1 | The discovery cut of the Raleigh No. 1 lode, the mouth of which being the discovery point is on the center line 200 ft. from the center of line 3-4, 6 ft. wide, 12 ft. face running N.63° E., 15 ft. to face.<br>Value, \$100.   |
| No. 2 | A shaft, the center of which bears from Cor. No. 3 Raleigh No. 1 lode, S.60° E., 570 ft. 4x8 ft., 40 ft. deep.<br>Value, \$1600.  |
| No. 3 | A tunnel 4x6 ft. in size, the portal of which bears from Cor. No. 3 Raleigh No. 1 lode S.43° E., 380 ft. running S.76° 30' E., 250 ft. to breast.<br>Value, \$2500.   |

- |        |  |
|--------|--|
| No. 4  | A cut, the mouth of which bears from Cor. No. 3 Raleigh No. 1 lode S.41°30'E., 410 ft., 4 ft. wide, 6 ft. face running east 12 ft. to face.<br>Value, \$60.  |
| No. 5  | A cut, the mouth of which bears from Cor. No. 2 Raleigh No. 1 lode N.17°E., 740 ft., 5 ft. wide, 8 ft. face running N.16° E., 30 ft. to face.<br>Value, \$200.   |
| No. 6  | A cut, the mouth of which bears from Cor. No. 2 Raleigh No. 1 lode N.23° E., 340 ft., 4 ft. wide, 8 ft. face, running south 12 ft. to face.<br>Value, \$100.   |
| No. 7  | A cut, the mouth of which bears from Cor. No. 2 Raleigh No. 1 lode N.49°15'E., 250. ft. 5 ft. wide, 8 ft. face running north 12 ft. to face; at the mouth another cut 5 ft. wide, 8 ft. face running west 12 ft. to face.<br>Value, \$200. |
| No. 8  | A shaft, the center of which bears from Cor. No. 2 Raleigh No. 1 lode N.17° E., 170 ft. 4x6 ft., 50 ft. deep.<br>Value, \$2000.  |
| No. 9  | A cut, the mouth of which bears from Cor. No. 2 Raleigh No. 1 lode N.7°15'E., 205 ft. 4½ ft. wide, 8 ft. face, running east 12 ft. to face.<br>Value, \$100.   |
| No. 10 | A shaft, the center of which bears from Cor. No. 2 Raleigh No. 1 lode, north 410 ft., 6x8 ft., 40 ft. deep.<br>Value, \$1600.  |
| No. 1  | The discovery cut of the Raleigh No. 2 lode, the mouth of which being the discovery point is on the center line 200 ft. from the center of line 3-4, 4 ft. wide, 8 ft. face running S.55° E., 15 ft. to face.<br>Value, \$100.             |
| No. 2  | A shaft, the center of which bears from Cor. No. 2 Raleigh No. 2 lode N.55° E., 200 ft., 6x6 ft., 6 ft. deep (caved).<br>Value, \$100.   |
| No. 3  | A cut, the mouth of which bears from Cor. No. 2 Raleigh No. 2 lode N.40° E., 310 ft., 5 ft. wide, 12 ft. face, running south 15 ft. to face.<br>Value, \$100.  |
| No. 4  | A cut, the mouth of which bears from Cor. No. 2 Raleigh No. 2 lode N.51°30'E., 400 ft., 5 ft. wide, 12 ft. face running N.33° E., 15 ft. to face.<br>Value, \$100.   |
| No. 5  | A cut, the mouth of which bears from Cor. No. 2, Raleigh No. 2 lode N.59°45'E., 390 ft., 6 ft. wide, 10 ft. face running S.5° W., 20 ft. to face.<br>Value, \$100.   |
| No. 1  | The discovery cut of the Crown lode, the mouth of which being the discovery point is on the center line 50 ft. from the center of line 3-4, 5 ft. wide, 8 ft. face, running S.45° W., 18 ft. to face.<br>Value, \$100.                     |
| No. 2  | A shaft, the center of which bears from Cor. No. 3 Crown   |

## Survey No. 4329

13

	lode, N.46° 55' W., 475 ft., 6x6 ft., 20 ft. deep. Value, \$300.
No. 3.	A shaft, the center of which bears from Cor. No. 3 Crown lode, N.49° W., 515 ft., 6x6 ft., 40 ft. deep. Value, \$1600.
No. 4	A cut, the mouth of which bears from Cor. No. 3 Crown lode, N.47°45' W., 540 ft., 4 ft. wide, 8 ft. face running S.57° W., 30 ft. to face. Value, \$100.
No. 5	A cut the face of which is on line 2-3 Crown lode, 580 ft. from Cor. No. 3, 6 ft. wide, 10 ft. face, running N.43° W., 20 ft. to mouth. Value, \$100.
No. 6	A shaft, the center of which bears from Cor. No. 3 Crown lode, N.47° 45' W., 610 ft., 8x8 ft., 30 ft. deep. Value, \$600.
No. 7	A cut the mouth of which bears from Cor. No. 3 Crown lode, N.47° 45' W., 635 ft., 6 ft. wide, 10 ft. face, running S.28° W., 30 ft. to face; from face is a tunnel 4x6 ft. in size, running S.51° W., 60 ft. to breast. Value cut and tunnel, \$700.
No. 8	A shaft, the center of which bears from Cor. No. 3 Crown lode N.51°25' W., 660 ft., 6x8 ft., 10 ft. deep. Value, \$100.
No. 9	A trench, the N. end of which bears from Cor. No. 3 Crown lode N.47°10' W., 705 ft., 4 ft. wide, 2 ft. deep, running S.41° W., 60 ft. to S. end. Value, \$100.
No. 10	A trench, the N. end of which bears from Cor. No. 3 Crown lode N.47° 30' W., 735 ft., 4 ft. wide, 2 ft. deep, running S.41° W., 60 ft. to S. end. Value, \$100.
No. 11	A shaft, the center of which bears from Cor. No. 3 Crown lode N.59°10' W., 550 ft., 6x8 ft., 4 ft. deep (caved). Value, \$50.
No. 12	A shaft, the center of which bears from Cor. No. 2 Crown lode S.37°25' E., 450 ft., 6x8 ft., 6 ft. deep (caved). Value, \$60.
No. 13	A shaft, the center of which bears from Cor. No. 2 Crown lode S.22°10' E., 325 ft., 8x8 ft., 40 ft. deep (timbered). Value, \$2000.
No. 14	A tunnel, the portal of which bears from Cor. No. 3 Crown lode S.66°50' W., 140 ft., 4x6 ft. in size running N.26°30' E., 25 ft. to breast. Value, \$250.
No. 15	A tunnel, 6x8 ft. in size, the portal of which bears from Cor. No. 3 Crown lode N.65°45' W., 125 ft. running N.15° E., 30 ft. to breast. Value, \$300.
No. 16	A tunnel, 4x6 ft. in size, the portal of which bears from Cor. No. 3 Crown lode, N.67°30' W., 395 ft. running N.23°30' E., 30 ft. to breast. Value, \$300.

- 14A
- No. 1 The discovery cut of the June No. 45 lode, the face of which being the discovery point is on the lode line 500 ft. from a point on line 1-2, 300 ft. from Cor. No. 1, 4 ft. wide, 10 ft. face running N.25° E., 21 ft. to mouth.  
Value, \$100.
- No. 2 A cut, the mouth of which bears from Cor. No. 2 June No. 45 lode, S.13°31'W., 31 ft., 5 ft. wide, 4 ft. face, running S.7°30'E., 18 ft. to face.  
Value, \$100.

## OTHER IMPROVEMENTS

None

## OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA

Sur. No. 1983 Red Ridge lode: Cors. Nos. 1 and 4 consist of 4x4 in. posts in stone monuments firmly set and properly marked (badly decayed). I find line 4-1 to be S.66° 38' W., 1503.8 ft. instead of 1500 ft. as approved.

Sur. No. 1987 Billy and Strip lodes: All corners consist of 4x4 in. pine posts properly set and marked with the number of the corner and the survey. Cors. Nos. 1 and 5 Billy lode and Cor. No. 4 Strip lode were found in badly decayed condition and unsuitable for permanent corners. I replace said corners with 2 in. iron posts with leaden caps as described in the foregoing field notes. I find all courses and distances correct as approved, except line 5-6 of the Billy lode which I find to be 1481.33 ft. in length.

Sur. No. 2513 Ruby lode; all corners consist of pine posts (decayed) firmly set and marked as described in the official records. I find all courses and distances correct as approved.

Sur. No. 2433 Prince of Wales: all corners consist of pine posts (decayed) firmly set and marked as described in the official records. I find all courses and distances correct as approved.

Sur. No. 1819 Pope lode: all corners consist of 4x4 in. pine posts (decayed) firmly set and marked as described in the official records. I find all courses and distances correct as approved.

Sur. No. 2790, 2791, 2794 and 2795, Rex, Columbia, Northern Star and Jesuit Mine lodes respectively: all corners consist of 4x4 in. pine posts (decayed) firmly set and marked as described in the official records. Cors. Nos. 1 and 2 Sur. No. 2790 Rex lode were replaced with 2 in. iron posts with leaden caps as described in the foregoing field notes. All courses and distances are correct as approved.

Sur. No. 1819, Belle lode: no evidence of Cor. No. 4 could be found.

## ADJOINING CLAIMS

On the north by Sur. Nos. 2790, 2791 and 2513, Rex, Columbia and Ruby lodes respectively.

On the east by Sur. Nos. 2790, 2791 and 2513, Rex, Columbia and Ruby lodes respectively.

On the south by Sur. No. 1983 Red Ridge lode, Sur. No. 1987 Billy lode, Sur. No. 2433 Prince of Wales lode, Sur. No. 1819 Pope lode, Sur. No. 2795 Jesuit Mine lode and Sur. No. 2794 Northern Star lode.

14B

On the west by Sur. No. 1897 Strip lode, Sur. No. 1819 Pope lode, Sur. No. 2795 Jesuit Mine lode and Sur. No. 2794 Northern Star lode.

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FIELD ASSISTANTS

Name	Capacity
E.H.Jenkins	Chainman

## Mineral Survey No. 4329

Feet

AMENDMENT TO FIELD NOTES

BOBBY LODGE:

Page 2, Line 3 - 4

566.56

From Cor. No. 2, Sur. No. 2513 Ruby Lodge, Cor. No. 3 of the Ruby lode, bears S. 1°30' E., 302.01 ft. dist.

JUNE NO. 45 LODGE:

Page 9, Line 4 - 5

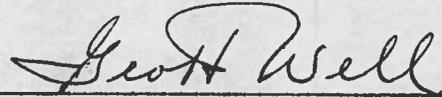
322.72

From Cor. No. 5 of the Ruby lode, Cor. No. 6 bears N. 18°57' W., 208.97 ft. dist.

From Cor. No. 6 of the Ruby lode, Cor. No. 1 bears N. 1°30' W., 300.52 ft.

CERTIFICATE

I hereby certify that the foregoing amendments to the field notes of Mineral Survey No. 4329, Arizona, known as the Bobby, Eugene Mine, Raleigh No. 1, Raleigh No. 2, Crown, and June No. 45 lodes, have been amended in accordance with instructions contained in the Director's memorandum "Arizona 0153 M:RLW" dated December 4, 1951.



Geo. H. Well  
Office Cadastral Engineer

Albuquerque, New Mexico,  
January 7, 1952.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GENERAL LAND OFFICE  
Bureau of Land Management

FINAL OATH OF MINERAL SURVEYOR

I, T.N. Stevens, Mineral Surveyor,  
do solemnly swear that, in pursuance of instructions received from the Office Cadastral  
Engineer, at Phoenix, Arizona, dated June 1, 1948,  
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  
American Smelting and Refining Company, known as the  
Bobby, Eugene Mine, Raleigh No.1, Raleigh No.2, Crown and June No.45,  
situate in Silver Bell Mining District,  
Pima County, Arizona, in Sections  
4, 33 and 34, Township Nos 11 and 12 S., Range No. 8 E.  
and designated as Survey No. 4329, 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 im-  
provements 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  
(Mineral Surveyor)

Subscribed and sworn to by the said T.N. Stevens  
Mineral Surveyor, before me Joan C. Shanagan  
this 27th  
day of December, 1948

Joan C. Shanagan  
Notary Public

My Commission expires July 1 - 1950

CERTIFICATE OF APPROVAL OF FIELD NOTES AND SURVEY OF  
MINING CLAIM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
~~GENERAL LAND OFFICE~~  
BUREAU OF LAND MANAGEMENT  
PUBLIC SURVEY OFFICE

At Phoenix, Arizona

March 30, 1949

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 American Smelting and Refining Company

known as the Bobby, Eugene Mine, Raleigh No. 1, ~~known as the~~  
Raleigh No. 2, Crown and June No. 45 lode mining claims

situate in SILVER BELL mining district,

Pima County, Arizona

in Section s 4, 33 and 34, Township Nos. 11 and 12 South, Range No. 8 East

G. & S.R.M.       , designated as Survey No. 4329

executed by T.N. Stevens, Mineral

Surveyor, July 6 to July 26, 1948, under my instructions dated

June 1, 1948, 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 copy of the location certificate filed by the applicant for survey is

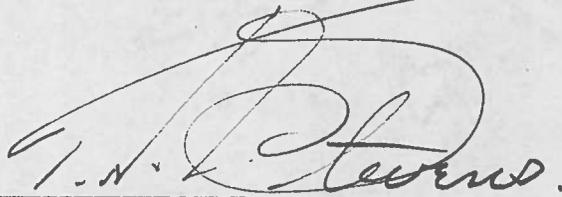
on file in this office and a true copy of said certified copy of said location certificate is included and

made a part of the transcript of the field notes.

*Frank M. Chapin*  
Office Cadastral Engineer.

Supplemental Proof Expenditure Of \$500.  
JUNE No.45 lode.

- No. 3 A shaft, the center of which bears from Cor. No. 3 June No.45 lode S.37°35' E., 18 ft. 5 X 6 ft. 6 ft. deep.  
Value \$100.
- No.4 A cut, the mouth of which bears from Cor. No. 3 June No.45 lode S. 80° 04 ' W., 237.7 ft. 5 ft. wide, 13 ft. face, running S.2° E., 15 ft. to face. At face is a tunnel 5 X 7 ft. in size running S. 2° E., 4 ft. to breast.  
Value Cut and tunnel \$225.00



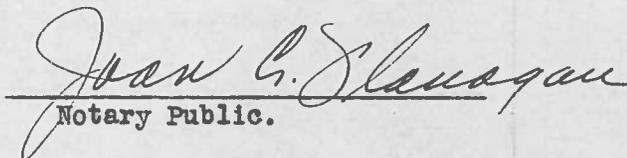
U.S. Mineral Surveyor.

State of Arizona SS  
County of Pima

Subscribed and sworn to by said T.N. Stevens before me, a Notary Public in and for the County of Pima, State of Arizona, this 9 th day of June, 1949

My commission expires

July 1-1951



Notary Public.

OFFICE CADASTRAL ENGINEER'S CERTIFICATE ON SUPPLEMENTAL REPORT  
DEPARTMENT OF THE INTERIOR  
PUBLIC SURVEY OFFICE  
Phoenix, Arizona

June 22, 1949

I, Office Cadastral Engineer at Phoenix, Arizona, do hereby certify that proof of additional expenditures on the JUNE NO. 45 lode mining claim has been submitted to this office subsequent to the approval of Mineral Survey No. 4329.

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 including the JUNE NO. 45 lode, and that the additional improvements not previously reported consist of 1 shaft, 1 cut and 1 tunnel, total value \$325.00 and that no portion of said labor or improvements has been included in the estimate of expenditures upon any other claim.

*Frank M. Chapin*  
Office Cadastral Engineer.