

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number  
4788 A&B

State  
Arizona

Land District  
Arizona

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

Charles E. Marshall  
c/o W. T. Elsing, Attorney at Law  
Arizona Bank Building  
Phoenix, Arizona 85003

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Ethel Schell Larsen's Red Bluff No. 4	2/12/73	3/24/76
Ethel Schell Larsen's Red Bluff No. 5	2/12/73	3/24/76
Ethel Schell Larsen's Red Bluff No. 6	2/12/73	3/24/76
Ethel Schell Larsen's Red Bluff No. 7	9/29/50	3/24/76
Ethel Schell Larsen's Red Bluff Mill Site No. 1	2/12/73	3/24/76
Ethel Schell Larsen's Red Bluff Mill Site No. 2	2/12/73	3/24/76

Mining district Fluorine			County Gila	
Section 6, 31 & 32	Township 4 & 5 North	Range 14 East	Meridian Gila & Salt River	Survey under order dated 4/14/76
Survey commenced 4/21/76		Survey completed 6/15/76	Name of Mineral Surveyor Harvey W. Smith, E.M.	

STATE OF TEXAS  
COUNTY OF [illegible]  
[illegible]

[illegible text]

[illegible text]

[illegible text]

[illegible text]

FEET											
	<p>This survey was made with a Swiss Kern Theodolite, Model DKM T, No. 77769, having horizontal and vertical circles, 50 mm. in diam. The circles are graduated in degrees and 20-minute increments. An optical micrometer, adjustable to the vertical and horizontal circles, permits reading of angles direct to 10-second accuracy and estimating to one-second accuracy. 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 determined by the method of horizontal-angles-right referred to the meridian determined by the following observation:</p> <p>May 14, 1976, at Cor. No. 1 of the Ethel Schell Larsen's Red Bluff Mill Site No. 2, in latitude <math>33^{\circ}43'30.8''</math> N., and longitude <math>110^{\circ}57'22.5''</math> W., elevation 3,460 ft. above sea level, and temperature <math>80^{\circ}</math> F., make a series of six altitude observations on the sun for azimuth at approximately equal time intervals, three each with the telescope in direct and reversed positions, observing opposite limbs of the sun, and reading the horizontal angle from a reference point about one mile northeastward SE. to the sun.</p> <table data-bbox="609 1311 1323 1749"> <tbody> <tr> <td>Mean time of observation, 105th meridian standard time</td> <td>= <math>8^{\text{h}}49^{\text{m}}30^{\text{s}}</math> a.m.</td> </tr> <tr> <td>Declination of sun at mean time of observation</td> <td>= <math>18^{\circ}45'58.6''</math> N.</td> </tr> <tr> <td>Mean observed vertical angle to sun's center</td> <td>= <math>40^{\circ}52'53''</math></td> </tr> <tr> <td>Mean horizontal angle from reference point to sun's center</td> <td>= <math>43^{\circ}19'18''</math></td> </tr> <tr> <td>True bearing to reference point</td> <td>= N. <math>50^{\circ}28'07''</math> E.</td> </tr> </tbody> </table> <p>The lines were measured with a Lufkin steel tape, 300 ft. in length, graduated every foot for 299 ft. and the remaining foot graduated to tenths and hundredths; the tape was compared to an Invar standard tape at the beginning of the survey, and found to be correct. In addition to the steel tape, a Hewlett-Packard Model 3800 infrared distance measuring unit was used to measure some of the lines. Its accuracy was checked against a line measured with the foregoing steel tape.</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 <math>15^{\circ}</math> E.</p>	Mean time of observation, 105th meridian standard time	= $8^{\text{h}}49^{\text{m}}30^{\text{s}}$ a.m.	Declination of sun at mean time of observation	= $18^{\circ}45'58.6''$ N.	Mean observed vertical angle to sun's center	= $40^{\circ}52'53''$	Mean horizontal angle from reference point to sun's center	= $43^{\circ}19'18''$	True bearing to reference point	= N. $50^{\circ}28'07''$ E.
Mean time of observation, 105th meridian standard time	= $8^{\text{h}}49^{\text{m}}30^{\text{s}}$ a.m.										
Declination of sun at mean time of observation	= $18^{\circ}45'58.6''$ N.										
Mean observed vertical angle to sun's center	= $40^{\circ}52'53''$										
Mean horizontal angle from reference point to sun's center	= $43^{\circ}19'18''$										
True bearing to reference point	= N. $50^{\circ}28'07''$ E.										

FEET	Mineral Survey No. 4788 A
	<p style="text-align: center;"><b>ETHEL SCHELL LARSEN'S RED BLUFF NO. 4 LODGE</b></p> <p>Beginning at Cor. No. 1 of Ethel Schell Larsen's Red Bluff No. 4 lode, identical with Cor. No. 1, M.S. No. 4468A Red Bluff No. 4 lode, Cor. No. 4 of the Ethel Schell Larsen's Red Bluff No. 5 lode of this survey and Cor. No. 4, M.S. No. 4468A Red Bluff No. 5 lode.</p> <p>Fd. an iron post, 3/4 ins. diam., 8 ins. above ground, firmly set, with a brass cap, 2 ins. diam., properly mkd., to which I add marks E.S.L. above the R.B. markings and 4788A; from which</p> <p style="padding-left: 40px;">The south 1/4 sec. cor. of sec. 31, T. 5 N., R. 14 E., G&amp;SRM, bears S. 60°34'37" W., 1,031.87 ft. dist.; monumented with an iron post, 1 in. diam., 12 ins. above ground, firmly set, with a brass cap, properly mkd., with a mound of stone, 3 ft. base, 2 ft. high, N. of cor.</p> <p style="padding-left: 40px;">Cor. No. 3 Ethel Schell Larsen's Red Bluff Mill Site No. 1 of this survey, identical with Cor. No. 3, M.S. No. 4468B Red Bluff No. 1 Mill Site, bears S. 57°06' E., 213.33 ft. dist.</p> <p style="padding-left: 40px;">A mound of stones sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="text-align: center;">Thence N. 30°44' E.</p>
1,456.95	<p>Intersect line 4-1 Ethel Schell Larsen's Red Bluff No. 6 lode of this survey, common with line 4-1, M.S. No. 4468A Red Bluff No. 6 lode.</p>
1,499.50	<p>Cor. No. 2, identical with Cor. No. 2, M.S. No. 4468A Red Bluff No. 4 lode, Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode of this survey and Cor. No. 3, M.S. No. 4468A Red Bluff No. 5 lode.</p> <p>This cor. falls at an inappropriate point where a permanent monument cannot be established.</p> <p>At a point N. 50°48' W., 209.75 ft., fd. a stone witness cor., 12 x 24 ins. in size, 18 ins. above ground, firmly set and properly mkd., to which I add marks E.S.L. 4788A.</p> <p style="padding-left: 40px;">A mound of stones sets adjacent to the marked stone witness corner.</p> <p>No local bearing objects or bearing trees available.</p>

FEET	
	From the true point for Cor. No. 2.  Thence S. 58°18' E.
210.	Right Bank of creek, 25 ft. wide, course S. 65° W.
300.00	Lode line; discovery point bears S. 30°44' W., 100 ft. dist.
557.87	Intersect line 3-4 Ethel Schell Larsen's Red Bluff No. 6 lode of this survey, common with line 3-4, M.S. No. 4468A Red Bluff No. 6 lode, and line 1-2 Ethel Schell Larsen's Red Bluff No. 7 lode of this survey.
560.	Center of unimproved dirt road, 14 ft. wide, bears N. 10° E. and S. 10° W.
599.50	Cor. No. 3, identical with Cor. No. 3, M.S. No. 4468A Red Bluff No. 4 lode.  Fd. a concrete and stone slab, 18 ins. diam., 3 ins. above ground, firmly set and properly mkd., to which I add mks. E.S.L. 4788A; from which  A mound of stone sets adjacent to the marked concrete and stone slab.  No local bearing objects or bearing trees available.  Thence S. 30°44' W.
290.	Center of unimproved dirt road, 14 ft. wide, bears N. 11° E. and S. 11° W.
915.	Center of unimproved dirt road, 14 ft. wide, bears S. 25° E. and N. 5° W.
930.79	Intersect line 4-1 Ethel Schell Larsen's Red Bluff No. 7 lode of this survey.
1,499.50	Cor. No. 4, identical with Cor. No. 4, M.S. No. 4468A Red Bluff No. 4 lode.  Fd. an iron post, 3/4 in. diam, 8 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. E.S.L. 4788A; from which  A mound of stone sets adjacent to the iron post.  No local bearing objects or bearing trees available.  Thence N. 58°18' W.
70.	Left bank of creek, 25 ft. wide, course S. 18° W.
299.50	Lode line; discovery point bears N. 30°44' E., 1,399.5 ft. dist.

FEET	
474.	Center of unimproved dirt road, 14 ft. wide, bears N. 14° E. and S. 14° W.
535.	Center of unimproved dirt road, 14 ft. wide, bears N. 60° E. and S. 60° W.
599.50	Cor. No. 1, and place of beginning.
ETHEL SCHELL LARSEN'S RED BLUFF NO. 5 LODE	
Beginning at Cor. No. 1 of Ethel Schell Larsen's Red Bluff No. 5 lode, identical with Cor. No. 1, M.S. No. 4468A Red Bluff No. 5 lode.	
Fd. an iron post, 3/4 in. diam., 8 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. E.S.L. 4788A; from which	
The south 1/4 sec. cor. of sec. 31, bears S. 25°18'38" W., 909.21 ft. dist.; heretofore described.	
Cor. No. 2 Ethel Schell Larsen's Red Bluff Mill Site No. 1, identical with Cor. No. 2, M.S. No. 4468B Red Bluff No. 1 Mill-site, bears S. 57°59'17" E., 292.79 ft. dist.	
A mound of stone sets adjacent to the iron post.	
No local bearing objects or bearing trees available.	
Thence N. 30°44' E.	
484.	Center of Globe-Young dirt road, 20 ft. wide, bears S. 72° W. and N. 72° E.
989.	Center of Globe-Young dirt road, 25 ft. wide, bears N. 27° W. and S. 27° E.
1,444.75	Intersect line 4-1 Ethel Schell Larsen's Red Bluff No. 6 lode of this survey, common with line 4-1, M.S. No. 4468A Red Bluff No. 6 lode.
1,499.50	Cor. No. 2, identical with Cor. No. 2, M.S. No. 4468A Red Bluff No. 5 lode.
Fd. a diabase stone 14 x 8 ins., 9 ins. above ground, firmly set and properly mkd., to which I add mks. E.S. L. 4788A; from which	
A mound of stone sets adjacent to the mkd. stone.	
No local bearing objects or bearing trees available.	
Thence S. 58°18' E.	

FEET	
150.	Center of unimproved dirt road, 14 ft. wide, bears N. 27° W. and S. 27° E.
300.	Lode line; discovery point bears S. 30°44' W., 250 ft. dist.
545.	Center of unimproved dirt road, 14 ft. wide, bears N. 6° E. and S. 6° W.
599.50	Cor. No. 3, identical with Cor. No. 3, M.S. No. 4468A Red Bluff No. 5 lode, Cor. No. 2 of the Ethel Schell Larsen's Red Bluff No. 4 lode of this survey and Cor. No. 2, M.S. No. 4468A Red Bluff No. 4 lode.
	Thence S. 30°44' W.
42.55	Intersect line 4-1 Ethel Schell Larsen's Red Bluff No. 6 lode of this survey, common with line 4-1, M.S. No. 4468A Red Bluff No. 6 lode.
1,499.50	Cor. No. 4, identical with Cor. No. 4, M.S. No. 4468A Red Bluff No. 5 lode, Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 4 lode of this survey and Cor. No. 1, M.S. No. 4468A Red Bluff No. 4 lode.
	Thence N. 58°18' W.
215.	Center of unimproved dirt road, 14 ft. wide, bears N. 28° W. and S. 28° E.
299.50	Lode line; discovery point bears N. 30°44' E., 1,249.5 ft. dist.
375.	Center of unimproved dirt road, 14 ft. wide, bears S. 75° W. and N. 75° E.
599.50	Cor. No. 1, and place of beginning.
	<b>ETHEL SCHELL LARSEN'S RED BLUFF NO. 6 LODE</b>
	Beginning at Cor. No. 1 of Ethel Schell Larsen's Red Bluff No. 6 lode, identical with Cor. No. 1, M.S. No. 4468A Red Bluff No. 6 lode.
	Fd. a concrete and stone slab, 18 ins. diam., 3 ins. above ground, firmly set and properly mkd. to which I add mks. E.S.L. 4788A; from which
	The south 1/4 sec. cor. of sec. 31 bears S. 20°42'04" W., 2,385.23 ft. dist.; heretofore described.
	A mound of stone sets adjacent to the mkd. concrete slab.

FEET		
	No local bearing objects or bearing trees available.	
	Thence N. 31°07' E.	
300.00	Lode line; discovery point bears S. 59°28' E., 886.59 ft. dist.	
355.	Center of unimproved dirt road, 14 ft. wide, bears N. 11° W. and S. 18° E.	
480.	Center of unimproved dirt road, 14 ft. wide, bears N. 70° E. and S. 58° W.	
599.50	Cor. No. 2, identical with Cor. No. 2, M.S. No. 4468A Red Bluff No. 6 lode.	
	Fd. a diabase stone 10 x 10 ins. in size, 14 ins. above ground, firmly set and properly mkd., to which I add mks. E.S.L. 4788A; from which	
	A mound of stone sets adjacent to the mkd. stone.	
	No local bearing objects or bearing trees available.	
	Thence S. 59°28' E.	
95.	Center of unimproved dirt road, 14 ft. wide, bears N. 78° E. and S. 70° W.	
1,115.	Center of unimproved dirt road, 14 ft. wide, bears N. 16° E. and S. 16° W.	
1,265.	Right bank of creek, 20 ft. wide, course S. 49° W.	
1,410.	Center of unimproved dirt road, 14 ft. wide, bears N. 13° E. and S. 13° W.	
1,486.59	Cor. No. 3, identical with Cor. No. 3, M.S. No. 4468A Red Bluff No. 6 lode and Cor. No. 2 Ethel Schell Larsen's Red Bluff No. 7 lode of this survey.	
	Fd. a concrete and stone slab, 18 ins. diam., 3 ins. above ground, firmly set and properly mkd., to which I add mks. E.S.L. 2 E.S.L. R.B. 7 4788A; from which	
	A mound of stone sets adjacent to the mkd. concrete and stone slab.	
	No local bearing objects or bearing trees available.	
	Thence S. 31°07' W.	
299.50	Lode line; discovery point bears N. 59°28' W., 600 ft. dist.	
565.	Center of unimproved dirt road, 14 ft. wide, bears N. 13° E. and S. 13° W.	

FEET	
568.31	Intersect line 2-3 Ethel Schell Larsen's Red Bluff No. 4 lode of this survey, common with line 2-3, M.S. No. 4468A Red Bluff No. 4 lode.
590.	Center of unimproved dirt road, 14 ft. wide, bears N. 80° E. and S. 80° W.
599.50	Cor. No. 4, identical with Cor. No. 4, M.S. No. 4468A Red Bluff No. 6 lode and on line 1-2 Ethel Schell Larsen's Red Bluff No. 7 lode of this survey.  Fd. a concrete and stone slab, 18 ins. diam., 3 ins. above ground, firmly set and properly mkd. to which I add mks. E.S.L. 4788A; from which  A mound of stone sets adjacent to the mkd. concrete and stone slab.  No local bearing objects or bearing trees available.  Thence N. 59°28' W.
40.	Center of unimproved dirt road, 14 ft. wide, bears N. 80° E. and S. 80° W.
340.	Left bank of creek, 25 ft. wide, course S. 35° W.
557.59	Intersect line 1-2 Ethel Schell Larsen's Red Bluff No. 4 lode of this survey, common with line 1-2, M.S. No. 4468A Red Bluff No. 4 lode, line 3-4 Ethel Schell Larsen's Red Bluff No. 5 lode of this survey and line 3-4, M.S. No. 4468A Red Bluff No. 5 lode.
931.	Center of unimproved dirt road, 14 ft. wide, bears N. 19° W. and S. 7° E.
1,157.01	Intersect line 1-2 Ethel Schell Larsen's Red Bluff No. 5 lode of this survey, common with line 1-2, M.S. No. 4468A Red Bluff No. 5 lode.
1,486.59	Cor. No. 1, and place of beginning.
	<b>ETHEL SCHELL LARSEN'S RED BLUFF NO. 7 LODE</b>  At Cor. No. 1 of the Ethel Schell Larsen's Red Bluff No. 7 lode.  Set an iron post, 30 ins. long, 3/4 ins. diam., 14 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X 1 E.S.L. R.B. 7 U.S. M.S. 4788A; from which  The south 1/4 sec. cor. of sec. 31 bears S. 66°57'25" W., 1,802.31 ft. dist.; heretofore described.

FEET		
	<p>A wood post, 2 x 2 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 31°07' E.</p>	
75.	Center of unimproved dirt road, 14 ft. wide, bears N. 5° W. and S. 5° E.	
900.00	Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode of this survey, identical with Cor. No. 4, M.S. No. 4468A Red Bluff No. 6 lode.	
909.5	Center of unimproved dirt road, 14 ft. wide, bears N. 80° E. and S. 80° W.	
931.19	Intersect line 2-3 Ethel Schell Larsen's Red Bluff No. 4 lode of this survey, common with line 2-3, M.S. No. 4468A Red Bluff No. 4 lode.	
934.5	Center of unimproved dirt road, 14 ft. wide, bears N. 13° E. and S. 13° W.	
1,499.50	<p>Cor. No. 2, identical with Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 6 lode of this survey and Cor. No. 3, M.S. No. 4468A Red Bluff No. 6 lode.</p> <p>Thence S. 58°53' E.</p>	
300.00	Lode line; discovery point bears S. 31°07' W., 1,199.5 ft. dist.	
599.50	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 ins. diam., 14 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X 3 E.S.L. R.B. 7 U.S. M.S. 4788A; from which</p> <p>A wood post, 2 x 2 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 31°07' W.</p>	
1,499.50	<p>Cor. No. 4.</p> <p>Set an iron post, 30 ins. long, 3/4 ins. diam., 14 ins. in the ground in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X 4 E.S.L. R.B. 7 U.S. M.S. 4788A; from which</p> <p>A wood post, 2 x 2 ins. in size, 4 ft. above ground, sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p>	

FEET	
	Thence N. 58°53' W.
299.50	Lode line; discovery point bears N. 31°07' E., 300 ft. dist.
551.65	Intersect line 3-4 Ethel Schell Larsen's Red Bluff No. 4 lode, common with line 3-4, M.S. No. 4468A Red Bluff No. 4 lode.
599.50	Cor. No. 1, and place of beginning.
	Mineral Survey No. 4788 B
	ETHEL SCHELL LARSEN'S RED BLUFF MILL SITE NO. 1
	Beginning at Cor. No. 1 of the Ethel Schell Larsen's Red Bluff Mill Site No. 1, identical with Cor. No. 1, M.S. No. 4468B Red Bluff No. 1 Mill-site, Cor. No. 2 Ethel Schell Larsen's Red Bluff Mill Site No. 2 of this survey and Cor. No. 2, M.S. No. 4468B Red Bluff No. 2 Mill-site.
	Fd. an iron post, 3/4 in. diam., 8 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. E.S.L. 4788B; from which
	The south 1/4 cor. of sec. 31 bears S. 45°48'30" W., 498.92 ft. dist.; heretofore described.
	A mound of stone sets adjacent to the iron post.
	No local bearing objects or bearing trees available.
	Thence N. 41°12' E.
423.90	Cor. No. 2, identical with Cor. No. 2, M.S. No. 4468B Red Bluff No. 1 Mill-site.
	Fd. an iron post, 3/4 in. diam., 8 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. E.S.L. 4788B; from which
	Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 5 lode, identical with Cor. No. 1, M.S. No. 4468A Red Bluff No. 5 lode, bears N. 57°59'17" W., 292.79 ft. dist.
	A mound of stone constructed adjacent to the iron post.
	No local bearing objects or bearing trees available.
	Thence S. 57°59' E.

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FEET	
100.	Center of unimproved dirt road, 14 ft. wide, bears N. 28° W. and S. 8° E.
375.	Center of unimproved dirt road, 14 ft. wide, bears N. 60° E. and S. 60° W.
430.	Center of unimproved dirt road, 14 ft. wide, bears N. 14° E. and S. 14° W.
520.00	Cor. No. 3, identical with Cor. No. 3, M.S. No. 4468B Red Bluff No. 1 Mill-site.
	<p>Fd. an iron post, 3/4 in. diam., 8 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. E.S.L. 4788B; from which</p> <p>Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 4 lode of this survey, identical with Cor. No. 1, M.S. No. 4468A Red Bluff No. 4 lode, Cor. NO. 4 Ethel Schell Larsen's Red Bluff No. 5 lode of this survey and Cor. No. 4, M.S. No. 4468A Red Bluff No. 5 lode, bears N. 57°06' W., 213.33 ft. dist.</p> <p>A mound of stone sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence S. 41°12' W.</p>
423.90	<p>Cor. No. 4, identical with Cor. No. 4, M.S. No. 4468B Red Bluff No. 1 Mill-site, Cor. No. 3 Ethel Schell Larsen's Red Bluff Mill Site No. 2 of this survey and Cor. No. 3, M.S. No. 4468B Red Bluff No. 2 Mill-site.</p> <p>Fd. an iron post, 3/4 in. diam., 8 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. E.S.L. 4788B; from which</p> <p>A mound of stone sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p>Thence N. 57°59' W.</p>
520.00	Cor. No. 1, and place of beginning.
	<p><b>ETHEL SCHELL LARSEN'S RED BLUFF MILL SITE NO. 2</b></p> <p>Beginning at Cor. No. 1 of the Ethel Schell Larsen's Red Bluff Mill Site No. 2, identical with Cor. No. 1, M.S. No. 4468B Red Bluff No. 2 Mill-site.</p>

	FEET	<p>Fd. an iron post, 3/4 in. diam., 8 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. E.S.L. 4788B; from which</p> <p style="padding-left: 40px;">The south 1/4 sec. cor. of sec. 31 bears S. 80°18' 30" W., 99.10 ft. dist.; heretofore described.</p> <p style="padding-left: 40px;">A mound of stone sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="padding-left: 40px;">Thence N. 38°09' E.</p>	
	421.00	<p>Cor. No. 2, identical with Cor. No. 2, M.S. No. 4468B Red Bluff No. 2 Mill-site, Cor. No. 1 Ethel Schell Larsen's Red Bluff Mill Site No. 1 of this survey and Cor. No. 1, M.S. No. 4468B Red Bluff No. 1 Mill-site.</p> <p style="padding-left: 40px;">Thence S. 57°59' E.</p>	
	520.00	<p>Cor. No. 3, identical with Cor. No. 3, M.S. No. 4468B Red Bluff No. 2 Mill-site, Cor. No. 4 Ethel Schell Larsen's Red Bluff Mill Site No. 1 of this survey and Cor. No. 4, M.S. No. 4468B Red Bluff No. 1 Mill-site.</p> <p style="padding-left: 40px;">Thence S. 38°09' W.</p>	
	110.	<p>Northeast bank of reservoir, bears N. 15° W. and S. 15° E.</p>	
	421.00	<p>Cor. No. 4, identical with Cor. No. 4, M.S. No. 4468B Red Bluff No. 2 Mill-site.</p> <p>Fd. an iron post, 3/4 in. diam., 8 ins. above ground, firmly set, with a brass cap properly mkd., to which I add mks. E.S.L. 4788B; from which</p> <p style="padding-left: 40px;">A mound of stone sets adjacent to the iron post.</p> <p>No local bearing objects or bearing trees available.</p> <p style="padding-left: 40px;">Thence N. 57°59' W.</p>	
	520.00	<p>Cor. No. 1, and place of beginning.</p>	
		Mineral Survey No. 4788 A and B	
		AREAS	
			Acres
		Total area, Ethel Schell Larsen's Red Bluff No. 4 lode -----	20.634
		Area in conflict with—	
		M.S. No. 4468A Red Bluff No. 4 lode -----	20.634
		Ethel Schell Larsen's Red Bluff No. 6 lode of this survey -----	0.472
		M.S. No. 4468A Red Bluff No. 6 lode -----	0.472
		Total area, Ethel Schell Larsen's Red Bluff No. 5 lode -----	20.634
		Area in conflict with—	
		M.S. No. 4468A Red Bluff No. 5 lode -----	20.634

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	FEET		Acres
		Ethel Schell Larsen's Red Bluff No. 6 lode of this survey -----	0.670
		M.S. No. 4468 Red Bluff No. 6 lode -----	0.670
		Total area, Ethel Schell Larsen's Red Bluff No. 6 lode -----	20.458
		Area in conflict with—	
		M.S. No. 4468A Red Bluff No. 6 lode -----	20.458
		M.S. No. 4468A Red Bluff No. 4 lode -----	0.472
		M.S. No. 4468A Red Bluff No. 5 lode -----	0.670
		Total area, Ethel Schell Larsen's Red Bluff No. 7 lode -----	20.637
		Area in conflict with—	
		Ethel Schell Larsen's Red Bluff No. 4 lode of this survey -----	0.956
		M.S. No. 4468A Red Bluff No. 4 lode -----	0.956
		Total area, Ethel Schell Larsen's Red Bluff Mill Site No. 1 -----	4.995
		Area in conflict with—	
		M.S. No. 4468B Red Bluff No. 1 Mill-site -	4.995
		Total area, Ethel Schell Larsen's Red Bluff Mill Site No. 2 -----	4.997
		Area in conflict with—	
		M.S. No. 4468B Red Bluff No. 2 Mill-site -	4.997
		<b>LOCATION</b>	
		This survey is located in the SE 1/4 sec. 31, SW 1/4 sec. 32, and NE 1/4 sec. 6 (unsurveyed), Ts. 4 and 5 N., R. 14 E., G&SRM.	
		The survey of the Ethel Schell Larsen's Red Bluff Nos. 4, 5, 6 and 7 lodes, and Ethel Schell Larsen's Red Bluff Mill Sites Nos. 1 and 2 is identical with the respective location or amended location as marked on the ground.	
		<b>EXPENDITURES</b>	
		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 her grantors are as follows:	
No. 1		The discovery point of the Ethel Schell Larsen's Red Bluff No. 4 lode is on the lode line, 100 ft. from a point on line 2-3, 300 ft. from Cor. No. 2. Value, None.	
No. 1		The discovery point of the Ethel Schell Larsen's Red Bluff No. 5 lode is on the lode line, 250 ft. from a point on line 2-3, 300 ft. from Cor. No. 2. Value, None.	
No. 1		The discovery point of the Ethel Schell Larsen's Red Bluff No. 6 lode is on the lode line, 600 ft. from a point on line 3-4, 299.50 ft. from Cor. No. 3. Value, None.	

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No. 1	<p>The discovery point of the Ethel Schell Larsen's Red Bluff No. 7 lode is on the lode line, 300 ft. from a point on line 4-1, 299.50 ft. from Cor. No. 4. Value, None.</p> <p>An interest in a common improvement described as follows:</p> <p>A drilling program to delineate known uranium ore bodies on these lodes. As the terrain is rather rugged and the potential area is at varying depths from the surface, drilling is the only logical way to explore and delineate the ore horizons.</p> <p>Following is a list of drill holes describing each and giving its location within a particular lode and its value:</p> <p>A drill hole, No. RH-4, bears S. 32°45' W., 262 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 4 1/4 ins. diam. in size, bearing N. 25° E., inclined at 70°, 300 ft. deep. Value, \$2,100.</p> <p>A drill hole, No. RH-6, bears S. 81°48' W., 133 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 4 1/4 ins. diam. in size, bearing N. 25° E., inclined at 73°, 160 ft. deep. Value, \$1,120.</p> <p>A drill hole, No. DDH-2, bears S. 71°27' W., 173 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 3 1/2 ins. diam. in size, 300 ft. deep. Value, \$2,962.</p> <p>A drill hole, No. RP-26, bears N. 65°36' W., 315 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep. Value, \$425.</p> <p>A drill hole, No. RP-27, bears N. 75°18' W., 320 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep. Value, \$425.</p> <p>A drill hole, No. RP-28, bears N. 85°48' W., 330 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep. Value, \$425.</p> <p>A drill hole, No. RP-31, bears N. 84°48' W., 348 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 3 3/4 ins. diam. in size, 85 ft. deep. Value, \$425.</p>	

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A drill hole, No. RP-32, bears N. 75°56' W., 335 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 3 3/4 ins. diam. in size, 85 ft. deep.  
Value, \$425.

A drill hole, No. RP-33, bears N. 67°48' W., 328 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep.  
Value, \$425.

A drill hole, No. RH-8, bears S. 72°35' W., 285 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 4 1/4 ins. diam. in size, bearing N. 25° E., inclined at 82°, 200 ft. deep.  
Value, \$1,400.

A drill hole, No. RP-7, bears S. 84°32' W., 162 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep.  
Value, \$480.

A drill hole, No. RP-8, bears S. 71°53' W., 190 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 74°, 90 ft. deep.  
Value, \$450.

A drill hole, No. RP-9, bears S. 62°47' W., 231 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep.  
Value, \$480.

A drill hole, No. RP-10, bears S. 56°31' W., 270 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 74°, 96 ft. deep.  
Value, \$480.

A drill hole, No. RP-11, bears S. 51°59' W., 316 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep.  
Value, \$480.

A drill hole, No. RP-12, bears S. 48°28' W., 362 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode, 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 72°, 96 ft. deep.  
Value, \$480.

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	<p>A drill hole, No. RP-5, bears N. 39°28' W., 759 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-6, bears N. 58°40' W., 692 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-17, bears N. 55°50' W., 770 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-18, bears N. 51°52' W., 780 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-19, bears N. 48°15' W., 792 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-20, bears N. 44°55' W., 808 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-21, bears N. 41°32' W., 825 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-22, bears N. 38°15' W., 845 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-23, bears N. 41°00' W., 935 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 80 ft. deep. Value, \$400.</p>	
	<p>A drill hole, No. RP-24, bears N. 44°00' W., 915 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 80 ft. deep. Value, \$400.</p>	

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	<p>A drill hole, No. RP-13, bears S. 74°35' W., 275 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 66°, 107 ft. deep. Value, \$535.</p>	
	<p>A drill hole, No. RP-14, bears S. 83°45' W., 248 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-15, bears N. 86°00' W., 223 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-16, bears N. 72°35' W., 210 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 5 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-1, bears N. 54°55' W., 700 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-2, bears N. 50°55' W., 710 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-2A, bears N. 49°50' W., 712 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-3, bears N. 47°00' W., 723 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	
	<p>A drill hole, No. RP-4, bears N. 43°02' W., 741 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 73°, 96 ft. deep. Value, \$480.</p>	

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	<p>A drill hole, No. RP-38, bears N. 53°12' W., 878 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, 80 ft. deep. Value, \$400.</p>	
	<p>A drill hole, No. RP-39, bears N. 54°27' W., 977 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, 80 ft. deep. Value, \$400.</p>	
	<p>A drill hole, No. RP-40, bears N. 54°58' W., 1,070 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, 80 ft. deep. Value, \$400.</p>	
	<p>A drill hole, No. RP-41, bears N. 56°00' W., 1,175 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 70°, 70 ft. deep. Value, \$350.</p>	
	<p>A drill hole, No. RP-42, bears N. 56°48' W., 1,329 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing N. 50° E., inclined at 70°, 80 ft. deep. Value, \$400.</p>	
	<p>A drill hole, No. DDH-1, bears N. 19°43' E., 221 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 1/2 ins. diam. in size, 300 ft. deep. Value, \$3,405.</p>	
	<p>A drill hole, No. RH-5A, bears N. 6°28' W., 70 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 4 1/4 ins. diam. in size, bearing N. 25° E., inclined at 65°, 195 ft. deep. Value, \$1,365.</p>	
	<p>A drill hole, No. RP-29, bears N. 48°28' W., 278 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep. Value, \$425.</p>	
	<p>A drill hole, No. RP-30, bears N. 39°28' W., 295 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep. Value, \$425.</p>	
	<p>A drill hole, No. RP-34, bears N. 19°28' W., 407 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, 85 ft. deep. Value, \$425.</p>	
	<p>A drill hole, No. RP-35, bears N. 20°00' W., 407 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep. Value, \$425.</p>	

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	<p>A drill hole, No. RP-36, bears N. 24°00' W., 385 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep. Value, \$425.</p>
	<p>A drill hole, No. RP-37, bears N. 29°28' W., 350 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode; 3 3/4 ins. diam. in size, bearing East, inclined at 70°, 85 ft. deep. Value, \$425.</p>
	<p>A drill hole, No. RH-1, bears N. 64°32' E., 362 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 7 lode; 4 1/4 ins. diam. in size, 280 ft. deep. Value, \$1,400.</p>
	<p>A drill hole, No. RH-2, bears N. 54°32' E., 330 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 7 lode; 4 1/4 ins. diam. in size, bearing N. 25° E., inclined at 60°, 267 ft. deep. Value, \$1,869.</p>
	<p>A drill hole, No. RH-3, bears N. 49°38' E., 400 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 7 lode; 4 1/4 ins. diam. in size, bearing N. 25° E., inclined at 68°, 250 ft. deep. Value, \$1,750.</p>
	<p>A drill hole, No. RH-7, bears S. 87°56' E., 540 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 7 lode; 4 1/4 ins. diam. in size, 250 ft. deep. Value, \$1,750.</p>
	<p>A drill hole, No. DDH-3, bears N. 60°25' E., 335 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 7 lode; 3 1/2 ins. diam. in size, 316 ft. deep. Value, \$3,587.</p>
	<p>A drill hole, No. DDH-4, bears N. 39°27' E., 550 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 7 lode; 3 1/2 ins. diam. in size, 275 ft. deep. Value, \$3,121.</p>
	<p>A drill hole, No. 21, bears N. 62°30' E., 360 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 7 lode; 4 1/4 ins. diam. in size, 242 ft. deep. Value, \$1,694.</p>
	<p>Value of drill holes, \$46,438. Value of one-fourth interest, \$11,609.50</p>
	<p>Drilling improvements are continually being made as information from each drill hole is logged and new areas of interest are generated. The drilling program is necessary as it is the most economical and feasible method to delineate the ore bodies.</p>

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	<p>Five hundred dollars or over has been expended in these improvements 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-fourth interest in their value is hereby credited to each of said lodes of this survey.</p> <p>No portion of or interest in these improvements has been credited heretofore as patent expenditure to any lode claim.</p> <p style="text-align: center;"><b>OTHER IMPROVEMENTS</b></p> <p>An adit, the portal of which bears N. 69° W., 342 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode; 4 x 7 ft. in size, running S. 71° E., 200 ft. At 105 ft. a crosscut, 4 x 7 ft. in size, bears N. 20° E., 80 ft. and S. 20° W., 75 ft. Claimant unknown.</p> <p>An adit, 4 x 6 ft. in size, the portal of which bears N. 85° W., 382 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff No. 4 lode, and runs S. 71° E., 78 ft. Claimant unknown.</p> <p>An adit, 4 x 6 ft. in size, the portal of which bears N. 65° E., 670 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 4 lode, and runs S. 71° E., 15 ft. Claimant unknown.</p> <p>A cut, 6 ft. wide, the face of which bears S. 18° 30' E., 400 ft. from Cor. No. 2 Ethel Schell Larsen's Red Bluff No. 5 lode, and runs East 7 ft. to a 6 ft. face. Claimant unknown.</p> <p>A shaft, 5 x 6 ft. in size, the collar of which bears S. 41°30' E., 480.0 ft. from Cor. No. 2 Ethel Schell Larsen's Red Bluff No. 5 lode. Depth of shaft, 50 ft. Claimant unknown.</p> <p>An adit, 4 x 6 ft. in size, the portal of which bears S. 48°15' E., 585.0 ft. from Cor. No. 2 Ethel Schell Larsen's Red Bluff No. 5 lode, and runs N. 77° W., 105.0 ft. Claimant unknown.</p> <p>An open cut and adit, the east end of the cut bears S. 51° E., 575.0 ft. from Cor. No. 2 Ethel Schell Larsen's Red Bluff No. 5 lode. The open cut varies from a 15 ft. width on the east to 5 ft. on the west and averages 15 ft. in depth. The portal of the adit, 4 x 6 ft. in size, is located at the west end of the open cut. The adit bears N. 70° W., and runs 23 ft. Claimant unknown.</p>	

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An adit, 4 x 6 ft. in size, the portal of which bears S. 52°45' E., 555.0 ft. from Cor. No. 2 Ethel Schell Larsen's Red Bluff No. 5 lode, and runs N. 82° W., 68.0 ft.

Claimant unknown.

A cut, 6 ft. wide, the face of which bears S. 75°35' E., 935 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 6 lode, runs N. 65° W., 30 ft. to a 6 ft. face.

Claimant unknown.

An open cut and adit, the portal of which bears S. 66° E., 920.0 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 6 lode. The workings bear N. 80° W. Minimum dimensions of the cut are 50 x 8 x 15 ft. average depth. The adit is 7 x 7 ft. in size, and runs 100 ft. Stopes have been raised from this adit bearing N. 10° E. and S. 10° W., 30 ft. in each direction, and have been raised through to the surface, 30 ft.

Claimant unknown.

An open cut and adit, the east end of which bears S. 70°30' E., 935.0 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 6 lode. The cut, bearing N. 72° W., is 58 ft. long, 5 to 8 ft. wide, and averages 15 ft. in depth. An adit, 4 x 6 ft. in size, runs 40 ft. further beyond the west end of the open cut.

Claimant unknown.

An open cut, the east end of which bears S. 74° E., 945 ft. dist. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 6 lode, runs N. 65° W., 95 ft. The width varies from 25 ft. on the east to 5 ft. on the west. Average depth, 15 ft.

Claimant unknown.

An adit, 4 x 6 ft. in size, the portal of which bears N. 70°30' E., 420.0 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 5 lode and running N. 30° E., 18 ft.

Claimant unknown.

A drill hole bears N. 18°58' W., 365 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode.

Claimant unknown.

A drill hole bears N. 21°10' W., 340 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode.

Claimant unknown.

A drill hole bears N. 27°30' W., 320 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode.

Claimant unknown.

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	<p>A drill hole bears N. 39°28' W., 292 ft. from Cor. No. 4 Ethel Schell Larsen's Red Bluff No. 6 lode. Claimant unknown.</p> <p>A water tank, 16 x 16 x 8 ft. deep, bears S. 76° E., 350 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 5 lode. Claimant herein.</p> <p>A frame house, the northwest corner of which bears S. 78° E., 188 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff Mill Site No. 1, 23 x 31 ft. in size; the long sides bear N. 52° W. Claimant herein.</p> <p>A frame bunkhouse, the northwest corner of which bears south, 24 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff No. 4 lode, 12 x 16 ft. in size; the long sides bear east and west. Claimant herein.</p> <p>A frame workshop, the northwest corner of which bears S. 79°30' E., 332 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff Mill Site No. 1, 16 x 52 ft. in size; the long sides bear east and west. Claimant herein.</p> <p>A frame storage shed, the southwest corner of which bears east, 324 ft. from Cor. No. 1 Ethel Schell Larsen's Red Bluff Mill Site No. 1, 12 x 15 ft. in size; the long sides bear N. 52° W. Claimant herein.</p> <p>A reservoir, 105 ft. diam., the north bank of which bears S. 38°14' W., 110 ft. from Cor. No. 3 Ethel Schell Larsen's Red Bluff Mill Site No. 2. Claimant herein.</p>	
	<p><b>OTHER CORNER DESCRIPTIONS AND SUPPLEMENTAL DATA</b></p>	
	<p>M.S. No. 4468 A&amp;B Red Bluff No. 4 lode: Cors. Nos. 1, 2, 3 and 4 described above. Line 1-2, common with line 3-4 Red Bluff No. 5 lode of the same survey, was found to be N. 30°44' E., 1,499.50 ft. instead of N. 30°49' E., 1,499.50 ft. as approved. Line 2-3 was found to be S. 58°18' E., 599.50 ft. instead of S. 58°13' E., 599.50 ft. as approved. Line 3-4 was found to be S. 30°44' W., 1,499.50 ft. instead of S. 30°49' W., 1,499.50 ft. as approved. Line 4-1 was found to be N. 58°18' W., 599.50 ft. instead of N. 58°13' W., 599.50 ft. as approved. The tie from Cor. No. 1 to the south 1/4 sec. cor. of sec. 31 was found to be S. 60°34'37" W., 1,031.87 ft. instead of S. 60°39'30" W., 1,031.84 ft. as approved.</p> <p>M.S. No. 4468 A&amp;B Red Bluff No. 5 lode: Cors. Nos. 1, 2, 3 and 4 described above. Line 1-2 was</p>	

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found to be N.  $30^{\circ}44'$  E., 1,499.50 ft. instead of N.  $30^{\circ}49'$  E., 1,499.50 ft. as approved. Line 2-3 was found to be S.  $58^{\circ}18'$  E., 599.50 ft. instead of S.  $58^{\circ}13'$  E., 599.50 ft. as approved. Line 3-4, common with line 1-2 Red Bluff No. 4 lode of the same survey, described above. Line 4-1 was found to be N.  $58^{\circ}18'$  W., 599.50 ft. instead of N.  $58^{\circ}13'$  W., 599.50 ft. as approved. The tie from Cor. No. 1 to the south  $1/4$  sec. cor. of sec. 31 was found to be S.  $25^{\circ}18'38''$  W., 909.21 ft. instead of S.  $25^{\circ}23'30''$  W., 909.19 ft. as approved.

M.S. No. 4468 A&B Red Bluff No. 6 lode: Cors. Nos. 1, 2, 3 and 4 described above. Line 1-2 was found to be N.  $31^{\circ}07'$  E., 599.50 ft. instead of N.  $31^{\circ}12'$  E., 599.50 ft. as approved. Line 2-3 was found to be S.  $59^{\circ}28'$  E., 1,486.59 ft. instead of S.  $59^{\circ}21'30''$  E., 1,486.67 ft. as approved. Line 3-4 was found to be S.  $31^{\circ}07'$  W., 599.50 ft. instead of S.  $31^{\circ}12'$  W., 599.50 ft. as approved. Line 4-1 was found to be N.  $59^{\circ}28'$  W., 1,486.59 ft. instead of N.  $59^{\circ}21'30''$  W., 1,486.67 ft. as approved. The tie from Cor. No. 1 to the south  $1/4$  sec. cor. of sec. 31 was found to be S.  $20^{\circ}42'04''$  W., 2,385.23 ft. instead of S.  $20^{\circ}47'$  W., 2,385.21 ft. as approved.

M.S. No. 4468 A&B Red Bluff No. 1 Mill-site: Cors. Nos. 1, 2, 3 and 4 described above. Line 1-2 was found to be N.  $41^{\circ}12'$  E., 423.90 ft. instead of N.  $41^{\circ}17'$  E., 423.90 ft. as approved. Line 2-3 was found to be S.  $57^{\circ}59'$  E., 520 ft. instead of S.  $57^{\circ}54'$  E., 520 ft. as approved. Line 3-4 was found to be S.  $41^{\circ}12'$  W., 423.90 ft. instead of S.  $41^{\circ}17'$  W., 423.90 ft. as approved. Line 4-1, common with line 2-3 Red Bluff Mill Site No. 2 of the same survey, was found to be N.  $57^{\circ}59'$  W., 520 ft. instead of N.  $57^{\circ}54'$  W., 520 ft. as approved. The tie from Cor. No. 1 to the south  $1/4$  sec. cor. of sec. 31 was found to be S.  $45^{\circ}48'30''$  W., 498.92 ft. instead of S.  $45^{\circ}53'30''$  W., 498.92 ft. as approved. The tie from Cor. No. 2 to Cor. No. 1 of the Red Bluff No. 5 lode was found to be N.  $57^{\circ}59'17''$  W., 292.79 ft. instead of N.  $57^{\circ}54'$  W., 292.79 ft. as approved. The tie from Cor. No. 3 to Cor. No. 1 of the Red Bluff No. 4 lode was found to be S.  $57^{\circ}06'$  E., 213.33 ft. instead of S.  $57^{\circ}01'$  E., 213.33 ft. as approved.

M.S. No. 4468 A&B Red Bluff No. 2 Mill-site: Cors. Nos. 1, 2, 3 and 4 described above. Line 1-2 was found to be N.  $38^{\circ}09'$  E., 421 ft. instead of N.  $38^{\circ}14'$  E., 421 ft. as approved. Line 2-3, common with line 4-1 Red Bluff Mill Site No. 1, described above. Line 3-4 was found to be S.  $38^{\circ}09'$  W., 421 ft. instead of S.  $38^{\circ}14'$  W., 421 ft. as approved. Line 4-1 was found to be N.  $57^{\circ}59'$  W., 520 ft. instead of N.  $57^{\circ}54'$  W., 520 ft. as approved. The tie from Cor. No. 1 to the south  $1/4$  sec. cor. of sec. 31 was found to be S.  $80^{\circ}18'30''$  W., 99.10 ft. instead of S.  $80^{\circ}23'30''$  W., 99.10 ft. as approved.

<b>FEET</b>	<b>MEMORANDUM</b>						
	None						
	<b>FIELD ASSISTANTS</b>						
	<table style="width: 100%;"><thead><tr><th style="text-align: left;">Name</th><th style="text-align: left;">Capacity</th></tr></thead><tbody><tr><td>Gary Shew</td><td>Assistant Instrumentman</td></tr><tr><td>Terry Heyl</td><td>Chainman-Axeman</td></tr></tbody></table>	Name	Capacity	Gary Shew	Assistant Instrumentman	Terry Heyl	Chainman-Axeman
Name	Capacity						
Gary Shew	Assistant Instrumentman						
Terry Heyl	Chainman-Axeman						

*(This form bound on left side)*

FEET

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

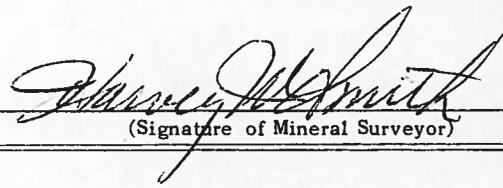
CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor <b>Harvey W. Smith</b>	Date <b>6/15/76</b>
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I HEREBY CERTIFY That in pursuance of an order received from the Chief, Branch of Cadastral Survey, Bureau of Land Management, at Phoenix, Arizona, dated April 14, 1976, I have carefully executed the survey of the claim of Charles E. Marshall, known as the (lode, placer, or mill site) (see reverse side of page) situated in Fluorine Mining District, Secs. 6, 31 & 32, Townships 4&5 N., Range 14 E., Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4788 A&B, 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.

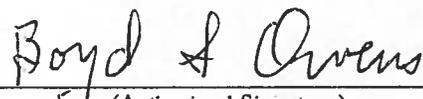
I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) lode and mill site location(s) embraced in the said mining claim by claimant(s) or her grantors are fully stated in my report. The character, extent, location, and itemized value are specified 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.

<b>Paradise Valley, Arizona</b> (Location)	 (Signature of Mineral Surveyor)
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CERTIFICATE OF APPROVAL

Office Arizona State Office
Location Phoenix, Arizona
Date January 4, 1979

The foregoing field notes of mineral survey number 4788 A&B, in Sections 6, 31 & 32, Range 14 E., Gila and Salt River Meridian, in the State of Arizona,  surveyed  unsurveyed Township 4 & 5 N., executed by Harvey W. Smith, Mineral Surveyor, under order dated April 14, 1976, 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.

 Boyd S. Owens (Authorized Signature)	Chief, Branch of Cadastral Survey (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 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.

DEPARTMENT OF LAND MANAGEMENT  
BUREAU OF LAND MANAGEMENT  
STATE OF CALIFORNIA

Form 100-1  
April 1964

- Ethel Schell Larsen's Red Bluff No. 4
- Ethel Schell Larsen's Red Bluff No. 5
- Ethel Schell Larsen's Red Bluff No. 6
- Ethel Schell Larsen's Red Bluff No. 7
- Ethel Schell Larsen's Red Bluff Mill Site No. 1
- Ethel Schell Larsen's Red Bluff Mill Site No. 2

*[Handwritten signature]*

Director, Bureau of Land Management

DEPARTMENT OF LAND MANAGEMENT


The above listed lands are hereby transferred to the State of California for the purpose of establishing a public trust for the benefit of the people of the State of California.

Witness my hand and the seal of the Department of Land Management at Sacramento, California, this 1st day of April, 1964.

By: *[Signature]*  
Director, Bureau of Land Management

This document is a true and correct copy of the original as filed in the office of the Director, Bureau of Land Management, Sacramento, California.

UNITED STATES DEPARTMENT OF THE INTERIOR 9605 (952)  
BUREAU OF LAND MANAGEMENT M.S. 4788A  
ARIZONA STATE OFFICE

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NOTICE OF CANCELLATION OF MINERAL SURVEY

The Ethel Schell Larson's Red Bluff No.4, No.5, No.6 and No.7 lodes, Mineral Survey No. 4788A, located in section 31, Township 5 North, Range 14 East, Gila and Salt River Meridian, Arizona, are hereby canceled.

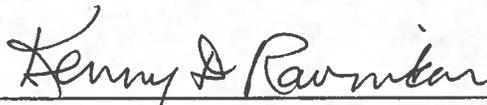
These claims have not been filed with the Arizona State Office, Bureau of Land Management, in accordance with Section 314, 90 STAT. 2769, (43 U.S.C. 1744).

This cancellation was necessitated to clear the record.

The Mineral Survey Plat should be noted as follows:

"Ethel Schell Larson's Red Bluff No.4, No.5, No.6 and No.7 lodes, M.S. 4788A were canceled May 4, 1999, by memo 9605 (952) M.S. 4788A, which is now a part of the original field notes."

May 4, 1999  
Date

  
\_\_\_\_\_  
Chief Cadastral Surveyor of Arizona

