

Form 3860-10
(February 1987)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey Number

4868

State

Arizona

Land District

Arizona

FIELD NOTES

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

Dave McGee and Paul C. Helmick
P. O. Box 332
Oracle, AZ 85623

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

None

NAME OF CLAIM(S)

NAME OF LOCATION		DATE			BLM MINING CLAIM SERIAL NUMBER
		LOCATED AND AMENDED	RECORDED WITH COUNTY	RECORDED WITH BLM	
Silica Reef #1	Amended	12-31-80 6-24-87	1-8-81 7-6-87	2-11-81 7-15-87	A MC 121741
Silica Reef #2	Amended	12-31-80 6-24-87	1-8-81 7-6-87	2-11-81 7-15-76	121742
Silica Reef #4		12-31-80	1-8-81	2-11-81	121744
Silica Reef #5		12-31-80	1-8-81	2-11-81	121745
Silica Reef #6	Re-Recorded	12-31-80	1-8-81 2-11-81	3-9-81 3-18-81	125911

LOCATION OF CLAIM(S)

Mining district Old Hat (Canyon Del Oro)			County Pinal	
Section 14 & 15	Township 10 South	Range 15 East	Meridian Gila & Salt River	Survey under order dated 7/30/87 Amd 4/14/88
Survey commenced 8/12/87		Survey completed 8/20/87	Name of Mineral Surveyor Harvey W. Smith	

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F111

This survey was made with a Swiss Kern theodolite, Model DKM 1, 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 the reading of angles direct to ten-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.

All azimuths in this record were determined by the method of horizontal-angles-right referred to the meridian determined by the following observation:

August 12, 1987, at Cor. No. 2 of the Silica Reef # 1 lode, in latitude $32^{\circ}33.9'N$. and longitude $110^{\circ}47.3'W$., elevation 4,480 ft. above sea level, and temperature $75^{\circ}F$., 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 right from a reference point about 1,500 ft. northward to the sun.

Mean time of observation,
105th meridian standard
time = $8^h 01^m 50^s$ a.m.

Declination of sun at mean
time of observation = $15^{\circ}00'46.6''N$.

Mean observed vertical
angle to sun's center = $27^{\circ}34'28.3''$

Mean horizontal angle from
reference point clockwise
to sun's center = $89^{\circ}13'48''$

True bearing to reference
point = $N.0^{\circ}00'09''W$.

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 Nikon ND 21 infrared distance measuring unit was used to measure some of

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FEET	<p>the lines. Its accuracy was checked against a line measured with the foregoing steel tape and found to be correct.</p> <p>All lines and connections of this survey were run by direct methods.</p> <p>The magnetic declination observed at each corner of the survey gave a uniform value of 13°30'E.</p> <hr/> <p style="text-align: center;">Mineral Survey No. 4868</p> <hr/> <p style="text-align: center;">SILICA REEF #1 LODE</p> <p>At Cor. No. 1 of the Silica Reef #1 lode, identical with Cor. No. 1 of the Silica Reef #2 lode of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.1 1 S.R.2 1 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">The East 1/4 sec. cor. of sec. 15 and the West 1/4 sec. cor. of unsurveyed sec. 14, T.10 S., R.15 E., G. & S.R.M. bears N.58°32'40"W., 702.82 ft. dist., monumented with an iron post, 1 in. diam., 12 ins. above ground, firmly set, with a brass cap properly mkd.</p> <p style="padding-left: 40px;">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 style="text-align: center;">Thence S.89°59'51"W.</p> <p>299.75 Lode line; discovery point bears N.0°00'09"W., 1,489.50 ft. dist.</p> <p>599.50 Cor. No. 2, identical with Cor. No. 2 of the Silica Reef #6 lode of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.1 2 S.R.6 2 U.S.M.S. 4868; from which</p>
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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.0°00'09"W.</p>
210.	Center of unimproved dirt road, 12. ft. wide, bears N.30°E. and S.30°W.
366.77	The East 1/4 sec. cor. of sec. 15 and the West 1/4 sec. cor. of unsurveyed sec. 14, T.10 S., R.15 E.
599.50	Cor. No. 1 of the Silica Reef #6 lode, identical with Cor. No. 1 of the Silica Reef #5 lode, both of this survey.
1,199.00	Cor. No. 4 of the Silica Reef #5 lode, identical with Cor. No. 1 of the Silica Reef #4 lode, both of this survey.
1,290.	Center of unimproved dirt road, 12. ft. wide, bears N.24°E. and S.24°W.
1,499.50	<p>Cor. No. 3 on line 4-1 Silica Reef #4 lode.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.1 3 U.S.M.S. 4868; 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 N.89°59'51"E.</p>
120.	Center of unimproved dirt road, 12. ft. wide, bears N.30°E. and S.30°W.
299.75	Lode line; discovery point bears S.0°00'09"E., 10.00 ft. dist.
440.	Center of unimproved dirt road, 12. ft. wide, bears N.60°E. and S.60°W.
560.	Center of unimproved dirt road, 12. ft. wide, bears N.63°E. and S.63°W.

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FEET	
599.50	<p>Cor. No. 4, identical with Cor. No. 2 of the Silica Reef #2 lode of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.1 4 S.R.2 2 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">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 style="text-align: center;">Thence S.0°00'09"E.</p>
1,499.50	<p>Cor. No. 1, and place of beginning</p>
	<hr/> <p style="text-align: center;">SILICA REEF #2 LODE</p> <p>Beginning at Cor. No. 1 of the Silica Reef #2 lode, identical with Cor. No. 1 of the Silica Reef #1 lode of this survey.</p> <p style="text-align: center;">Thence N.0°00'09"W.</p>
1,499.50	<p>Cor. No. 2, identical with Cor. No. 4 of the Silica Reef #1 lode of this survey.</p> <p style="text-align: center;">Thence N.89°59'51"E.</p>
299.75	<p>Lode line; discovery point bears S.0°00'09"E., 10.00 ft. dist.</p>
599.50	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.2 3 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">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 style="text-align: center;">Thence S.0°00'09"E.</p>

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FEET 800.	Right bank of local drainage, 30 ft. true width, course S.55°W.
1,499.50	<p>Cor. No. 4.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.2 4 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">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 style="text-align: center;">Thence S.89°59'51"W.</p>
222.	Left bank of local drainage, 25 ft. true width, course S.13°W.
299.75	Lode line; discovery point bears N.0°00'09"W., 1,489.50 ft. dist.
599.50	Cor. No. 1, and place of beginning
<hr/> <p>SILICA REEF #4 LODE</p>	
<p>At Cor. No. 1 of the Silica Reef #4 lode, identical with Cor. No. 4 of the Silica Reef #5 lode and on line 2-3 Silica Reef #1 lode, both of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.4 1 S.R.5 4 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">The East 1/4 sec. cor. of sec. 15 and the West 1/4 sec. cor. of unsurveyed sec. 14, T.10 S., R.15 E., G.& S.R.M. bears S.0°00'09"E., 832.23 ft. dist., hereinbefore described.</p> <p style="padding-left: 40px;">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 style="text-align: center;">Thence S.89°59'51"W.</p>	

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FEET 40.	Center of unimproved dirt road, 12. ft. wide, bears N.25°E. and S.25°W.
1,499.50	<p>Cor. No. 2, identical with Cor. No. 3 of the Silica Reef #5 lode of this survey.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.4 2 S.R.5 3 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">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 style="text-align: center;">Thence N.0°00'09"W.</p>
299.75	Lode line; discovery point bears N.89°59'51"E., 1,449.50 ft. dist.
599.50	<p>Cor. No. 3.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.4 3 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">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 style="text-align: center;">Thence N.89°59'51"E.</p>
1,360.	Center of unimproved dirt road, 12. ft. wide, bears N.56°W. and S.56°E.
1,499.50	<p>Cor. No. 4.</p> <p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.4 4 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">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>

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FEET	
	Thence S.0°00'09"E.
45.	Center of unimproved dirt road, 12. ft. wide, bears East and West.
299.00	Cor. No. 3 of the Silica Reef #1 lode of this survey.
299.75	Lode line; discovery point bears S.89°59'51"W., 50.00 ft. dist.
508.5	Center of unimproved dirt road, 12. ft. wide, bears N.24°E. and S.24°W.
599.50	Cor. No. 1, and place of beginning
<hr/>	
SILICA REEF #5 LODE	
At Cor. No. 1 of the Silica Reef #5 lode, identical with Cor. No. 1 of the Silica Reef #6 lode and on line 2-3 Silica Reef #1 lode, both of this survey.	
Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.5 1 S.R.6 1 U.S.M.S. 4868; from which	
The East 1/4 sec. cor. of sec. 15 and the West 1/4 sec. cor. of unsurveyed sec. 14, T.10 S., R.15 E., G. & S.R.M. bears S.0°00'09"E., 232.73 ft. dist., hereinbefore described.	
A wood post, 2 x 2 ins. in size, 4 ft. above ground, sets adjacent to the iron post.	
No local bearing objects or bearing trees available.	
Thence S.89°59'51"W.	
315.	Center of unimproved dirt road, 12. ft. wide, bears N.9°E. and S.9°W.
835.	Center of unimproved dirt road, 12. ft. wide, bears N.53°E. and S.53°W.
1,499.50	Cor. No. 2, identical with Cor. No. 4 of the Silica Reef #6 lode of this survey.

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	<p>FEET</p>	<p>Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.5 2 S.R.6 4 U.S.M.S. 4868; from which</p> <p style="padding-left: 40px;">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 style="padding-left: 40px;">Thence N.0°00'09"W.</p> <p>299.75 Lode line; discovery point bears N.89°59'51"E., 1,449.50 ft. dist.</p> <p>599.50 Cor. No. 3, identical with Cor. No. 2 of the Silica Reef #4 lode of this survey.</p> <p style="padding-left: 40px;">Thence N.89°59'51"E.</p> <p>1,459.5 Center of unimproved dirt road, 12. ft. wide, bears N.25°E. and S.25°W.</p> <p>1,499.50 Cor. No. 4, identical with Cor. No. 1 of the Silica Reef #4 lode of this survey.</p> <p style="padding-left: 40px;">Thence S.0°00'09"E.</p> <p>299.75 Lode line; discovery point bears S.89°59'51"W., 50.00 ft. dist.</p> <p>599.50 Cor. No. 1, and place of beginning</p> <hr/> <p style="text-align: center;">SILICA REEF #6 LODE</p> <p>Beginning at Cor. No. 1 of the Silica Reef #6 lode, identical with Cor. No. 1 of the Silica Reef #5 lode of this survey.</p> <p style="padding-left: 40px;">Thence S.0°00'09"E.</p> <p>232.73 The East 1/4 sec. cor. of sec. 15 and the West 1/4 sec. cor. of unsurveyed sec. 14, T.10 S., R.15 E.</p> <p>299.75 Lode line; discovery point bears S.89°59'51"W., 50.00 ft. dist.</p>
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FEET	
389.5	Center of unimproved dirt road, 12. ft. wide, bears N.30°E. and S.30°W.
599.50	Cor. No. 2, identical with Cor. No. 2 of the Silica Reef #1 lode of this survey. Thence S.89°59'51"W.
1,499.50	Cor. No. 3. Set an iron post, 30 ins. long, 3/4 in. diam., 12 ins. in the ground, in a concrete and rock base, with a brass cap firmly secured to the iron post, mkd. X S.R.6 3 U.S.M.S. 4868; from which A wood post, 2 x 2 ins. in size, 4 ft. above ground, sets adjacent to the iron post. No local bearing objects or bearing trees available. Thence N.0°00'09"W.
299.75	Lode line; discovery point bears N.89°59'51"E., 1,449.50 ft. dist.
370.	Center of unimproved dirt road, 12. ft. wide, bears N.72°E. and S.72°W.
599.50	Cor. No. 4, identical with Cor. No. 2 of the Silica Reef #5 lode of this survey. Thence N.89°59'51"E.
664.5	Center of unimproved dirt road, 12. ft. wide, bears N.53°E. and S.53°W.
1,184.5	Center of unimproved dirt road, 12. ft. wide, bears N.9°E. and S.9°W.
1,499.50	Cor. No. 1, and place of beginning
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FEET	AREAS	Acres
	Total area, Silica Reef #1 lode -----	20.637
	Total area, Silica Reef #2 lode -----	20.637
	Total area, Silica Reef #4 lode -----	20.637
	Total area, Silica Reef #5 lode -----	20.637
	Total area, Silica Reef #6 lode -----	20.637
	LOCATION	
	<p>This survey is located in the NE & SE 1/4's sec. 15 and the NW & SW 1/4's of unsurveyed sec. 14, T.10 S., R.15 E., G.& S.R.M.</p> <p>The survey of the Silica Reef #s 1, 2, 4, 5 & 6 lodes is identical with the location or amended location as marked on the ground.</p>	
	EXPENDITURES	
	<p>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:</p>	
No. 1	<p>The discovery point of the Silica Reef #1 lode is on the lode line, 10. ft. from a point on line 3-4, 299.75 ft. from Cor. No. 3, a post and notice. Value, None</p>	
No. 1	<p>The discovery point of the Silica Reef #2 lode is on the lode line, 10. ft. from a point on line 2-3, 299.75 ft. from Cor. No. 2, a post and notice. Value, None</p>	
No. 1	<p>The discovery point of the Silica Reef #4 lode is on the lode line, 50. ft. from a point on line 4-1, 299.75 ft. from Cor. No. 4, a post and notice. Value, None</p>	
No. 1	<p>The discovery point of the Silica Reef #5 lode is on the lode line, 50. ft. from a point on line 4-1, 299.75 ft. from Cor. No. 4, a post and notice. Value, None</p>	

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FEET					
No. 1	<p>The discovery point of the Silica Reef #6 lode is on the lode line, 50. ft. from a point on line 1-2, 299.75 ft. from Cor. No. 1, a post and notice.</p> <p>Value, None</p> <p>An interest in a common improvement described as follows:</p> <p>An unimproved road that traverses the Silica Reef #s 1, 4, 5 & 6 lodes beginning at a point that bears West, 150 ft. from Cor. No. 4 of the Silica Reef #4 lode; thence easterly, 300 ft. to a junction. At the junction the road turns southerly and southeasterly. The south leg enters the Silica Reef #1 lode at a point 120 ft. east of Cor. No. 3; thence it continues southwesterly entering the Silica Reef #4 lode at a point 91 ft. north of Cor. No. 1; thence continuing southwesterly across the Silica Reef #5 and entering Silica Reef #6 at a point 315 ft. west of Cor. No. 1. At a point 60 ft. north of the entrance of the road to Silica Reef #6, the road bears west thence southwesterly and leaves Silica Reef #6 at a point 230 ft. south of Cor. No. 4. After entering Silica Reef #6 the road bears southeasterly; thence turns back northeasterly and leaves the Silica Reef #6 and enters Silica Reef #1 at a point 210 ft. north of Cor. No. 2. From this point the road bears generally northeasterly approximately 350 ft. where it enters a large excavated area.</p> <p>At the first road junction east of the Silica Reef #4 lode, the road continuing easterly turns southeasterly to a junction at a point 30 ft. north of Cor. No. 4 of the Silica Reef #1 lode. At the junction, two legs of the road enter the Silica Reef #1 at two points, one at 40 ft. and the other at 160 ft. west of Cor. No. 4. Both legs then turn southwesterly to a large excavated area.</p> <table data-bbox="535 1512 1104 1596"> <tr> <td>Value of Road</td> <td>\$ 5,000.00</td> </tr> <tr> <td>Value of 1/4 interest</td> <td>\$ 1,250.00</td> </tr> </table> <p>This road is necessary for the development of the Silica Reef #s 1, 4, 5 & 6 lodes. It provides access to the silica deposits. This road provides the most practical and economical means of developing these 4 lodes.</p>	Value of Road	\$ 5,000.00	Value of 1/4 interest	\$ 1,250.00
Value of Road	\$ 5,000.00				
Value of 1/4 interest	\$ 1,250.00				

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FEET		
	<p>An interest in a common improvement described as follows:</p> <p>An open pit, the northernmost point of which bears S.67°W., 240 ft. from Cor. No. 4 of the Silica Reef #1 lode; irregularly oval in shape, 400 ft. average width, running S.20°W., 900 ft., average depth 6 ft. Value \$ 50,000 Value of 1/4 interest = \$ 12,500</p> <p>This improvement is in the course of excavation for the Silica Reef #s 1, 2, 5 & 6 lodes of this survey. There is very little overburden on the ore material consequently surface mining by an open cut is the logical method of developing these lodes.</p> <p>An interest in a common improvement described as follows:</p> <p>An open pit, the east end of which bears 310 ft. west of Cor. No. 1 of the Silica Reef #6 lode; irregularly oval in shape, 200 ft. average width, running S.60°W., 375 ft., average depth 6 ft. Value \$ 5,000.00 Value of 1/2 interest = \$ 2,500.00</p> <p>This improvement is in the course of excavation for the Silica Reef #s 5 & 6 lodes of this survey. There is very little overburden on the ore material consequently surface mining by an open cut is the logical method of developing these lodes.</p> <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 their location and to the time since which common ownership and contiguity have prevailed; therefore an undivided interest in their value, as described above, is hereby credited to each of said lodes.</p> <p>No portion of or interest in these improvements has been credited heretofore as patent expenditure to any lode claim.</p>	

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	FFIT	<p style="text-align: center;">OTHER IMPROVEMENTS</p> <p style="text-align: center;">None</p> <p style="text-align: center;">OTHER CORNER DESCRIPTIONS and SUPPLEMENTAL DATA</p> <p>The cor. of secs. 10, 11, 14 & 15 is an iron post with a brass cap, firmly set, properly marked and witnessed as described in the official record.</p> <p>The line between the cor. of secs. 10, 11, 14 & 15 and the 1/4 sec. cor. of secs. 10 & 15 was found to be S.0°00'09"E., 2,637.56 ft. instead of S.0°01'E., 2,640.00 ft. as approved.</p> <hr/> <p style="text-align: center;">MEMORANDUM</p> <p style="text-align: center;">None</p> <hr/> <p style="text-align: center;">FIELD ASSISTANTS</p> <table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Capacity</th> </tr> </thead> <tbody> <tr> <td>Kent Miller</td> <td>Assistant Instrumentman</td> </tr> <tr> <td>Wayne Smith</td> <td>Rodman-Chainman</td> </tr> </tbody> </table>	Name	Capacity	Kent Miller	Assistant Instrumentman	Wayne Smith	Rodman-Chainman
Name	Capacity							
Kent Miller	Assistant Instrumentman							
Wayne Smith	Rodman-Chainman							

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor
Harvey W. Smith

| Date

| 4/15/88

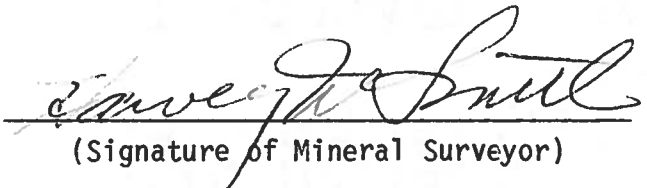
I HEREBY CERTIFY That in pursuance of an order received from the Arizona State Office, Bureau of Land Management, at Phoenix, Arizona, dated July 30, 1987 and amended April 14, 1988, I have carefully executed the survey of the claim of Dave Mc Gee and Paul Helmick, known as the Silica Reef #'s 1,2,4,5 and 6 lodes, situated in surveyed section 15 and unsurveyed section 14, Township 10 South, Range 15 East, Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4868, 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 Silica Reef #'s 1, 2, 4, 5 and 6 lodes locations embraced in the said mining claim by claimant(s) or its grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Scottsdale, Arizona

(Location)

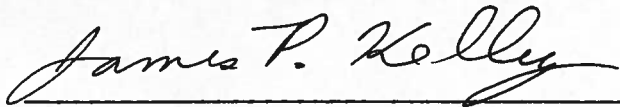

(Signature of Mineral Surveyor)

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.

CERTIFICATE OF APPROVAL

Arizona State Office
Phoenix, Arizona
May 10, 1988

The foregoing field notes of mineral survey number 4868, in surveyed section 15 and unsurveyed section 14, Township 10 South, Range 15 East, Gila and Salt River Meridian, in the State of Arizona, executed by Harvey W. Smith, Mineral Surveyor, under order dated July 30, 1987 and amended April 14, 1988, having been critically examined and the necessary corrections made prior to their certification by the surveyor, the field notes and the survey therein described are hereby approved.



(Authorized Signature)

Chief Cadastral Surveyor of Arizona

(Title)