

Form 4-683
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Mineral Survey number

4677

State

Arizona

Land District

Arizona

FIELD NOTES

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

Sil-Flo Corporation
c/o Evans & Kunz, Attorneys at Law
1000 Del Webb Building
Phoenix, Arizona 85012

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Elva F No. 1	5/25/44	
Sandy No. 1	4/20/44	5/15/44
Forgotten Wedge	2/7/64	

Mining district Pioneer		County Pinal		
Section 8 & 9	Township 2 S.	Range 12 E.	Meridian G. & S. R.	Survey under order dated 10/24/69 & 12/17/69
Survey commenced 10/24/69		Survey completed 12/20/69	Name of Mineral Surveyor Harvey W. Smith	

FEET

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 established by direct observation on the sun. At 09:40 a.m. on November 5, 1969, at Cor. No. 4 of the Elva F lode, latitude $33^{\circ} 15' 56.1''$ N., longitude $110^{\circ} 08' 14.9''$ W., turning from a reference point about 600 ft. northerly, clockwise to the sun in a southeasterly direction.

True bearing of reference point: N. $6^{\circ} 38'$ 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. One additional foot at the zero end is also graduated in tenths and hundredths. The tape was compared to a standard and found to be correct. 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 $13^{\circ} 30'$ East.

SURVEY NO. 4677

Elva F No. 1 LODE

At Cor. No. 1 of the Elva F No. 1 lode.

Set an iron post, $3/4$ in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 E.F. 1 1X; from which

The $1/4$ cor. of secs. 8 and 9, T. 2 S., R. 12 E., G.&S.R. Mer., bears N. $62^{\circ} 47' 10''$ E. 610.48 ft. dist.; a stone, 8 x 8 ins. in size, 12 ins. above ground, firmly set, marked and witnessed as described in the official record.

FEET		
	<p>An iron post, 3 ins. diam., 3 1/2 ft. long in a mound of stones, sets adjacent to the iron post.</p> <p>Thence N. 84° 38' E.</p>	
602.70	Intersect line 4-1 Forgotten Wedge lode of this survey.	
1095.0	Unimproved dirt road bears North and South.	
1215.0	Unimproved dirt road bears S. 10° E. and N. 20° W.	
1416.26	Cor. No. 2	
	<p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 E.F. 1 2X; from which</p> <p>A mound of stones sets adjacent to the iron post.</p> <p>Thence S. 6° 38' E.</p>	
6.14	Intersect line 3-4 Forgotten Wedge lode of this survey.	
297.0	Lode line; discovery point bears S. 84° 30' 40" W., 240 ft. dist.	
584.49	Intersect line 1-2 Sur. No. 4664 Mary T lode at a point from which Cor. No. 1 bears S. 84° 53' W., 963.61 ft. dist.	
594.80	Cor. No. 3	
	<p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 E.F. 1 3X; from which</p> <p>A wood post, 4 x 4 ins., 4 ft. long, sets adjacent to the iron post.</p> <p>Thence S. 84° 25' 20" W.</p>	
220.0	Unimproved dirt road bears North and South.	
961.29	Intersect line 4-1 Sur. No. 4664 Mary T lode at a point from which Cor. No. 1 bears N. 13° 22' 25" W., 18.23 ft. dist.	
1416.16	Cor. No. 4	
	<p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 E.F. 1 4X; from which</p>	

FEET	
	<p>Cor. No. 1 Sur. No. 4664 Mary T lode bears N. $82^{\circ} 08' 10''$ E., 452.76 ft. dist.</p> <p>A mound of stones sets adjacent to the iron post.</p> <p>Thence N. $6^{\circ} 38'$ W.</p>
300.0	Lode line; discovery point bears N. $84^{\circ} 30' 40''$ E., 1176.21 ft. dist.
600.0	Cor. No. 1, and place of beginning.
<p>Forgotten Wedge LODE</p>	
	<p>At Cor. No. 1 of the Forgotten Wedge lode.</p> <p>Set an iron post, $3/4$ in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 F.W. 1X; from which</p> <p>The $1/4$ cor. of secs. 8 and 9 bears N. $13^{\circ} 06'$ W., 123.78 ft. dist.; previously described.</p> <p>A mound of stones sets adjacent to the iron post.</p> <p>Thence N. $88^{\circ} 14' 30''$ E.</p>
515.0	Unimproved dirt road bears N. 5° W. and S. 5° E.
595.0	Unimproved dirt road bears N. 35° W. and S. 35° E.
1082.52	Intersect the east end line of the Superior Perlite No. 1 lode (Unsurveyed) at a point from which the SE. cor. bears S. $0^{\circ} 43' 10''$ E., 0.57 ft. dist.
1469.07	Intersect line 1-2 Sandy No. 1 lode of this survey.
1500.0	<p>Cor. No. 2</p> <p>Set an iron post, $3/4$ in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 F.W. 2X; from which</p> <p>The SE. cor. of the Superior Perlite No. 1 lode (Unsurveyed) bears S. $88^{\circ} 09' 50''$ W., 417.48 ft. dist.</p> <p>A post, 4 x 4 ins., 4 ft. long, sets in a mound of stones adjacent to the iron post.</p> <p>Thence S. $15^{\circ} 53'$ E.</p>

FEET		
10.75	Lode line; discovery point bears S. 86° 39' 20" W., 1290.19 ft. dist.	
21.50	<p>Cor. No. 3</p> <p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 F.W. 3X; from which</p> <p style="padding-left: 40px;">A wood post, 4 x 4 ins., 4 ft. long, sets in a mound of stones adjacent to the iron post.</p> <p style="padding-left: 40px;">Thence S. 85° 03' 05" W.</p>	
41.70	Intersect line 1-2 Sandy No. 1 lode of this survey.	
667.86	Intersect line 2-3 Elva F No. 1 lode of this survey.	
870.0	Unimproved dirt road bears S. 10° E. and N. 20° W.	
990.0	Unimproved dirt road bears North and South.	
1481.55	<p>Cor. No. 4</p> <p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 F.W. 4X; from which</p> <p style="padding-left: 40px;">A mound of stones sets adjacent to the iron post.</p> <p style="padding-left: 40px;">Thence N. 15° 53' W.</p>	
0.22	Intersect line 1-2 Elva F No. 1 lode of this survey.	
53.26	Lode line; discovery point bears N. 86° 39' 20" E., 200.0 ft. dist.	
105.94	Intersect the south side line of the Superior Perlite No. 1 lode (Unsurveyed) at a point from which the SE. cor. bears N. 88° 14' 30" E., 1082.37 ft. dist.	
106.53	Cor. No. 1, and place of beginning.	
<p>Sandy No. 1 LODE</p> <p>At Cor. No. 1 of the Sandy No. 1 lode.</p> <p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the</p>		

FEET	
	<p>ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 S 1 1X; from which</p> <p>The 1/4 cor. of secs. 8 and 9 bears N. 64° 42' 10" W., 1526.09 ft. dist.; previously described.</p> <p>Cor. No. 2 Sur. No. 4664 Mary T lode bears S. 73° 50' E., 96.30 ft. dist.</p> <p>A mound of stones sets adjacent to the iron post.</p> <p>Thence N. 11° 26' 15" E.</p>
564.52	Intersect line 3-4 Forgotten Wedge lode of this survey.
588.32	Intersect line 1-2 Forgotten Wedge lode of this survey.
1499.67	<p>Cor. No. 2</p> <p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 S 1 2X; from which</p> <p>A mound of stones sets adjacent to the iron post.</p> <p>Thence S. 76° 08' E.</p>
294.0	Lode line; discovery point bears S. 11° 12' 30" W., 35.0 ft. dist.
400.0	Unimproved dirt road bears S. 16° E. and N. 70° E.
593.0	<p>Cor. No. 3</p> <p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 S 1 3X; from which</p> <p>Cor. No. 2 Sur. No. 4665 Sandy No. 2 lode bears S. 29° 25' 40" W., 93.10 ft. dist.</p> <p>A mound of stones sets adjacent to the iron post.</p> <p>Thence S. 11° 10' 10" W.</p>
86.31	Intersect line 2-3 Sur. No. 4665 Sandy No. 2 lode at a point from which Cor. No. 2 bears N. 82° 57' 30" W., 29.24 ft. dist.
1499.99	Cor. No. 4

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FEET																									
	<p>Set an iron post, 3/4 in. diam., 24 ins. long, in a 25 pound concrete and rock base, 12 ins. in the ground, with a brass cap 2 ins. diam., firmly secured to the iron post, mkd. M.S. 4677 S 1 4X; from which</p> <p style="padding-left: 40px;">A mound of stones sets adjacent to the iron post.</p> <p style="padding-left: 80px;">Thence N. 76° 08' W.</p>																								
76.54	Intersect line 1-2 Sur. No. 4665 Sandy No. 2 lode at a point from which Cor. No. 2 bears N. 13° 05' 40" E., 1408.76 ft. dist.																								
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AREAS																									
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LOCATION																									
	<p>This survey is located in the SE 1/4 sec. 8, and NW 1/4 and SW 1/4 sec. 9, T. 2 S., R. 12 E., G.&S.R. Mer.</p> <p>The survey of the Elva F No. 1, Sandy No. 1 and Forgotten Wedge lodes is identical with the respective 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</p>																								

FEET	
	<p>the lode locations embraced in said mining claim by the claimant or their grantors are as follows:</p>
No. 1	<p>The discovery point of the Elva F No. 1 lode is on the lode line, 240 ft. from a point on line 2-3, 297.0 ft. from Cor. No. 2.</p> <p style="text-align: right;">Value: None</p>
No. 1	<p>The discovery point of the Forgotten Wedge is on the lode line, 200.0 ft. from a point on line 4-1, 53.26 ft. from Cor. No. 4.</p> <p style="text-align: right;">Value: None</p>
No. 1	<p>The discovery point of the Sandy No. 1 lode is on the lode line, 35.0 ft. from a point on line 2-3, 294.0 ft. from Cor. No. 2.</p> <p style="text-align: right;">Value: None</p>
No. 2	<p>A pit, the NW. cor. of which bears S. 74° E., 295.0 ft. from Cor. No. 2 of the Sandy No. 1 lode; 4 x 6 ft. in size, 8 ft. deep.</p> <p style="text-align: right;">Value: \$150.00</p>
No. 3	<p>A cut, the north end of which bears S. 26° W., 250.0 ft. from Cor. No. 3 of the Sandy No. 1 lode; 12 ft. wide, running S. 16° E., 25 ft. The west side has a 10 ft. face.</p> <p style="text-align: right;">Value: \$400.00</p> <p>An interest in a common improvement described as follows:</p> <p>An irregularly shaped open pit, the NE. cor. of which bears S. 84° 38' W., 220 ft. from Cor. No. 2 of the Elva F No. 1 lode; average width, 300 ft., running S. 20° E., 560 ft.; average depth 30 ft.</p> <p style="margin-left: 40px;">Value of open pit: \$100,000</p> <p style="margin-left: 40px;">Value of one-half interest: 50,000</p> <p>This improvement is continually being expanded as more perlite is mined on the Elva F No. 1 and Forgotten Wedge lodes.</p> <p>Open pit mining is the most practical and economical method of developing each of the stated lodes.</p> <p>Five hundred dollars or over has been expended in this improvement in such a manner as tends to the development of the two stated lodes subsequent to its location and to the time since which common ownership and contiguity have prevailed; therefore, an undivided one-half interest in its value is hereby credited to the Elva F No. 1 and Forgotten Wedge lodes.</p> <p>No portion of or interest in this improvement has been credited heretofore as patent expenditure to any lode claim.</p>

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FEET

OTHER IMPROVEMENTS

None

OTHER CORNER DESCRIPTIONS
AND SUPPLEMENTAL DATA

Sur. No. 4664 Mary T Lode: Cors. Nos. 1, 2, 3 and 4 are iron posts with brass caps, firmly set and properly marked. Line 1-2 was found to be N. $84^{\circ} 53' E.$, 1503.18 ft. instead of N. $84^{\circ} 57' E.$, 1503.45 ft. as approved. Lines 2-3 and 4-1 are shown as approved.

Sur. No. 4665 Sandy No. 2 Lode: Cors. Nos. 1, 2, 3 and 4 are iron posts with brass caps, firmly set and properly marked. Line 1-2 was found to be N. $13^{\circ} 05' 40'' E.$, 1494.29 ft. instead of N. $13^{\circ} 10' 10'' E.$, 1494.70 ft. as approved. Lines 2-3 and 4-1 are shown as approved.

Superior Perlite No. 1 Lode (Unsurveyed): The SW. and SE. cors. and East end center are mounds of stones. The south side line between the SW. and SE. cors. was found to be N. $88^{\circ} 14' 30'' E.$, 1517.42 ft. The east end line between the east end center and the SE. cor. was found to be S. $0^{\circ} 43' 10'' E.$

FIELD ASSISTANTS

<u>Name</u>	<u>Capacity</u>
George Erickson	Chainman-Axeman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

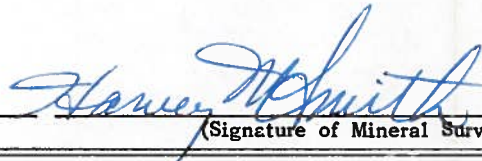
Name of Mineral Surveyor Harvey W. Smith	Date 1/24/70
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I HEREBY CERTIFY That in pursuance of an order received from the Bureau of Land Management, at Phoenix, Arizona, dated 10/24/69 & 12/17/69, 19 , I have carefully executed the survey of the claim of Sil-Flo Corporation known as the ~~(lode, placer, or mill-site)~~ Elva F No. 1, Sandy No. 1 and Forgotten Wedge, lodes situated in Pinal County, Secs. 8 & 9 Township 2 S., Range 12 E., Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4677, 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 the specific manner described in the foregoing field notes.

I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the ~~(lode or placer)~~ lode location(s) embraced in the said mining claim by claimant(s) or its grantors are fully stated in my report. The character, extent, location, and itemized value are specified in full detail. No portion of, or interest in, said labor and improvements so credited to this claim has been included in the estimate of expenditures upon any other claim.

Scottsdale, Arizona
(Location)


 Harvey W. Smith
(Signature of Mineral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT

Office ARIZONA STATE OFFICE
Location PHOENIX, ARIZONA
Date JUNE 24, 1970

The foregoing field notes of mineral survey number 4677, in Sections 8 and 9, Township 2 S., Range 12 E., Gila and Salt River Meridian, in the State of Arizona, surveyed unsurveyed, executed by Harvey W. Smith, Mineral Surveyor, under order dated October 24, 1969, and Amended Order dated December 17, 1969, 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.

 Riley E. Foreman
(Authorized Signature)

Acting State Director
(Title)

CERTIFICATE OF TRANSCRIPT

I 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)

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.

UNIVERSITY OF CALIFORNIA
DEPARTMENT OF CHEMISTRY

1952
The following is a list of the students who have completed the course in Organic Chemistry during the semester ending June 30, 1952.

1. [Name] [Grade] [Section]

2. [Name] [Grade] [Section]

3. [Name] [Grade] [Section]

4. [Name] [Grade] [Section]

5. [Name] [Grade] [Section]

6. [Name] [Grade] [Section]

7. [Name] [Grade] [Section]