

Form 4-683
(January 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

Mineral Survey number	4616
State	Arizona
Land District	

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

Fern A. Wilson, C. Darrel Wilson & Alice Ann Kilroy,
c/o Victor H. Verity & Leo N. Smith, Attorneys, 902 Phoenix
Title Bldg., Tucson, Arizona 85701

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

CONSISTING OF LOCATIONS NAMED AND LOCATED AS FOLLOWS

NAME OF LOCATION	DATE	
	LOCATED	AMENDED
Hope No. 3 lode	1-26-55	
Hope #4 lode	1-26-55	
Hope #5 lode	1-26-55	
Hope #6 lode	1-28-55	

Mining district		County	
Pima		Pima	
Section	Township	Range	Meridian
7 and 18	18 S.	12 E.	Gila & Salt River
Survey commenced		Survey completed	Name of Mineral Surveyor
Feb. 15, 1964		July 9, 1964	John H. Stitzer

Survey No. 4616

FEET

1.

This survey was made with a K&E model 6E optical reading theodolite No. 624161, reading directly to 1 minute of arc on both horizontal and vertical circles with interpolation to 1/10th of a minute. The instrument was in good condition at the time of the survey and all adjustments were in good order. A solar eyepiece was used for making direct observations on the sun.

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

February 15, 1964, at Cor. No. 3 of the Hope #5 lode, in latitude $31^{\circ}52'18''$ N., and longitude $111^{\circ}59'00''$ W., I make a series of six altitude observations upon the sun for azimuth at 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 Cor. No. 2 of the Hope #5 lode.

Mean time of observation, mountain standard time = $3^{\text{h}}15^{\text{m}}$ p.m.
Declination of sun at mean time of observation = $12^{\circ}45'39''$ S.

Mean observed vertical angle to sun's center = $32^{\circ}01'50''$

Mean horizontal angle from reference point to sun's center = $262^{\circ}45'00''$

True bearing to reference point = N. $36^{\circ}50'30''$ W.

The lines were run with a Lufkin steel tape 200 ft. in length, graduated every ft. for the entire length and in tenths and hundredths for an additional ft. on the zero end; this tape had been calibrated prior to use and was used with a spring balance to maintain proper tension. Temperature corrections were applied to obtain correct distances.

All lines of this survey were run by direct methods.

The magnetic declination was checked and found to give a value of $13^{\circ}00'$ E.

HOPE NO. 3 LODE

At Cor. No. 1 of the Hope No. 3 lode, identical with Cor. No. 1 of the Hope #4 lode of this survey.

Set a galvanized iron pipe, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. 1 - HOPE - 3, SURVEY 4616, 1 - HOPE - 4; from which

The quarter section corner common to Sec. 13, T. 18 S., R. 11 E., and Sec. 18, T. 18 S., R. 12 E., G. & S. R. B. & M., bears S. $63^{\circ}38'53''$ W., 2636.70 ft. dist., a marked stone, 12 ins. above the ground, firmly set as described in the official record.

A mesquite, 8 ins. diam., bears N. $46^{\circ}18'$ E., 53.4

FEET		2.
	ft. dist., mkd. BT - 1 - H3 - 4616.	
	A mesquite, 12 ins. diam., bears S. 16°19' W., 58.8 ft. dist., mkd. BT - 1 - H4 - 4616.	
	Thence N. 52°59'15" E.	
329	A wash, 3 ft. wide, course northerly.	
585	A wash, 1 ft. wide, course northerly.	
1500.00	Cor. No. 2, identical with Cor. No. 2 of the Hope #4 lode, Cor. No. 1 of the Hope #5 lode, and Cor. No. 1 of the Hope #6 lode, all of this survey.	
	Set a galvanized iron pipe, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. 2 - HOPE - 3, 2 - HOPE - 4, 1 - HOPE - 6, 1 - HOPE - 5, SURVEY 4616; from which	
	A corner of the location bears N. 83°35' W., 72.2 ft. dist.	
	A mesquite, 18 ins. diam., bears S. 11°53' W., 38.5 ft. dist., mkd. BT - 2 - H - 3 - 4616.	
	A mesquite, 18 ins. diam., bears S. 62°00' E., 54.8 ft. dist., mkd. BT - 1 - H - 5 - 4616.	
	Thence N. 36°50'30" W.	
300.00	Lode line; discovery point bears S. 52°59'15" W., 1000 ft. dist.	
	Set a galvanized iron pipe, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. EEC - HOPE - 3, WEC - HOPE - 6, SURVEY 4616.	
600.00	Cor. No. 3, identical with Cor. No. 4 of the Hope #6 lode of this survey.	
	Set a galvanized iron pipe, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. 3 - HOPE - 3, 4 - HOPE - 6, SURVEY 4616; from which	
	A corner of the location bears S. 69°15' W., 64.3 ft. dist.	
	A mesquite, 18 ins. diam., bears N. 59°22' E., 67.2 ft. dist.	
	A mesquite, 12 ins. diam., bears S. 27°02' W., 53.4 ft. dist.	
	Thence S. 52°59'15' W.	
525	Enter a wash, course northerly.	

Survey No. 4616

FEET		3.
547	Leave wash.	
1033	A wash, 1 ft. wide, course southeasterly.	
1207	A wash, 4 ft. wide, course southeasterly.	
1403	A wash, 8 ft. wide, course southeasterly.	
1500.00	Cor. No. 4. Set a galvanized iron pipe, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. 4 - HOPE - 3, SURVEY 4616; from which A corner of the location bears S. 83°31' W., 86.2 ft. dist. A mesquite, 8 ins. diam., bears S. 22°00' W., 67.3 ft. dist., mkd. BT - 4 - H - 3 - 4616. A mesquite, 5 ins. diam., bears S. 65°00' E., 63.0 ft. dist., mkd. BT - 4 - H - 3 - 4616. Thence S. 36°50'30" E.	
72	Enter a wash, course northeasterly.	
88	Leave wash.	
300.00	Lode line; discovery point bears N. 52°59'15" E., 500 ft. dist. Set a galvanized iron pipe, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. WEC - HOPE 3 - SURVEY 4616.	
600.00	Cor. No. 1, and place of beginning.	
HOPE #4 LODE		
	Beginning at Cor. No. 1 of the Hope #4 lode, identical with Cor. No. 1 of the Hope No. 3 lode of this survey, previously described. Thence N. 52°59'15" E.	
329	A wash, 3 ft. wide, course northerly.	
585	A wash, 1 ft. wide, course northerly.	
1500.00	Cor. No. 2, identical with Cor. No. 2 of the Hope No. 3 lode, Cor. No. 1 of the Hope #5 lode and Cor. No. 1 of the Hope #6 lode, all of this survey, previously described. Thence S. 36°50'30" E.	
45	A wash, 2 ft. wide, course northeasterly.	

FEET		4.
248	A wash, 5 ft. wide, course northeasterly.	
300.00	Lode line; discovery point bears S. $52^{\circ}59'15''$ W., 125 ft. dist.	
	Set a galvanized iron post, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. EEC - HOPE 4, WEC - HOPE 5, SURVEY 4616.	
600.00	Cor. No. 3, identical with Cor. No. 4 of the Hope #5 lode of this survey.	
	Set a galvanized iron post, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. 3 - HOPE 4, 4 - HOPE 5, SURVEY 4616; from which	
	A mesquite, 12 ins. diam., bears N. $45^{\circ}22'$ E., 48.6 ft. dist., mkd. BT - 4 - H - 5 - 4616.	
	A mesquite, 12 ins. diam., bears N. $74^{\circ}51'$ W., 47.5 ft. dist., mkd. BT - 3 - H - 4 - 4616.	
	A corner of the location bears S. $18^{\circ}56'$ E., 81.6 ft. dist.	
	Thence S. $56^{\circ}36'15''$ W.	
1502.70	Cor. No. 4.	
	Set a galvanized iron post, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. 4 - HOPE 4 - SURVEY 4616; from which	
	A corner of the location bears S. $47^{\circ}10'$ W., 9.31 ft. dist.	
	A mesquite, 8 ins. diam., bears S. $49^{\circ}58'$ W., 46.4 ft. dist., mkd. BT - 4 - H - 4 - 4616.	
	Thence N. $36^{\circ}50'30''$ W.	
205.21	Lode line; discovery point bears N. $52^{\circ}59'15''$ W., 1375 ft. dist.	
505.21	Cor. No. 1, and place of beginning.	
HOPE #5 LODE		
Beginning at Cor. No. 1 of the Hope #5 lode, identical with Cor. No. 1 of the Hope #6 lode, Cor. No. 2 of the Hope No. 3 lode and Cor. No. 2 of the Hope #4 lode, all of this survey and previously described.		
The quarter section corner common to Sec. 13, T. 18 S., R. 11 E., and Sec. 18, T. 18 S., R. 12 E., G. & S. R. B.		

FEET	
	& M., bears S. 59°47'11" W., 4120.17 ft. dist., previously described.
	Thence N. 53°10'30" E.
331	A wash, 3 ft. wide, course northerly.
1002	A wash, 5 ft. wide, course southeasterly.
1244	A wash, 2 ft. wide, course northerly.
1365	Enter a large wash.
1500.00	Cor. No. 2, identical with Cor. No. 2 of the Hope #6 lode.
	Set a galvanized iron post, 2 ft. long, 2 ins. diam., 12 ins. in the ground and in a mound of stones, with lead cap mkd. 2 - HOPE - 5, 2 - HOPE - 6, SURVEY 4616; from which
	A corner of the location bears S. 36°50' E., 2.1 ft. dist.
	A mesquite, 10 ins. diam., bears N. 15°24' E., 37.7 ft. dist., mkd. BT - 2 - H - 6 - 4616.
	An oak, 2 ft. diam., bears N. 75°49' E., 56.9 ft. dist., mkd. BT - 2 - H - 5 - 4616.
	Thence S. 36°50'30" E.
132	Leave large wash.
294	Enter a wash, course northeasterly.
300.00	Lode line; discovery point bears S. 53°10'30" W., 1400 ft. dist.
	Set a galvanized iron pipe, 2 ft. long, 2 ins. diam., 12 ins. in the ground and in a mound of stones, with lead cap mkd. EAST END CENTER - HOPE 5 - SURVEY 4616.
333	Leave wash.
591.10	Cor. No. 3.
	Set a galvanized iron pipe, 2 ft. long, 2 ins. diam., 12 ins. in the ground and in a mound of stones, with lead cap mkd. 3 - HOPE 5 - SURVEY 4616; from which
	A mesquite, 8 ins. diam., bears S. 14°15' W., 65.4 ft. dist., mkd. BT - 3 - H - 5 - 4616.
	A mesquite, 6 ins. diam., bears S. 76°30' W., 24.5 ft. dist., mkd. BT - 3 - H - 5 - 4616.
	Thence S. 52°50'06" W.
1500.03	Cor. No. 4, identical with Cor No. 3 of the Hope #4 lode of this survey, previously described.

FEET	
	Thence N. 36°50'30" W.
300.00	Lode line; discovery point bears N. 53°10'30" E., 100 ft. dist. A galvanized iron post, previously described.
352	A wash, 5 ft. wide, course northeasterly.
555	A wash, 2 ft. wide, course northeasterly.
600	Cor. No. 1 and place of beginning.
HOPE #6 LODE	
	Beginning at Cor. No. 1 of the Hope #6 lode, identical with Cor. No. 1 of the Hope #5 lode, Cor. No. 2 of the Hope No. 3 lode and Cor. No. 2 of the Hope #4 lode, all of this survey and previously described.
	Thence N. 53°10'30" E.
331	A wash, 3 ft. wide, course northerly.
1002	A wash, 5 ft. wide, course southeasterly.
1244	A wash, 2 ft. wide, course northerly.
1365	Enter a large wash.
1500.00	Cor. No. 2 identical to Cor. No. 2 of the Hope #5 lode of this survey, previously described.
	Thence N. 36°50'30" W.
300.00	Lode line; discovery point bears S. 53°10'30" W., 20 ft. dist. Set a galvanized iron post, 2 ft. long, 2 ins. diam., 6 ins. in the ground and in a mound of stones, with lead cap mkd. EEC - HOPE 6 - SURVEY 4616.
600.00	Cor. No. 3 Set a galvanized iron post, 2 ft. long, 2 ins. diam., 12 ins. in the ground and in a mound of stones, with lead cap mkd. 3 - HOPE 3 - SURVEY 4616; from which A corner of the location bears N. 54°38' W., 4.9 ft. dist. A mesquite, 8 ins. diam., bears N. 43°39' E., 23.7 ft. dist., mkd. BT - 3 - H - 6 - 4616. A tesota, 8 ins. diam., bears S. 74°23' W., 24.4 ft. dist., mkd. BT - 3 - H - 6 - 4616.

FEET	
	Thence S. 53°10'30" W. 7.
348	Leave large wash.
560	Enter a wash, course easterly.
611	Leave wash.
1163	Enter wash, course easterly.
1185	Leave wash.
1346	A wash, 2 ft. wide, course northerly.
1500.00	Cor. No. 4, identical with Cor. No. 3, of the Hope No. 3 lode of this survey, previously described.
	Thence S. 36°50'30" E.
300.00	Lode line; discovery point bears N. 53°10'30" E., 1480 ft. dist.
	A galvanized iron pipe, previously described.
600.00	Cor. No. 1 and place of beginning.

AREAS

	Acres
Total area Hope No. 3 lode	20.661
Total area Hope #4 lode	19.029
Total area Hope #5 lode	20.508
Total area Hope #6 lode	20.661

LOCATION

This survey is located in the N $\frac{1}{2}$ Sec. 18 and in the SE $\frac{1}{4}$ of Sec. 7 of T. 18 S., R. 12 E., G. & S. R. B. & M., Pima County, Arizona.

The survey of all of these claims falls within the locations as marked on the ground. Cor. No. 3 of the Hope #5 lode and Cor. Nos. 1 of the Hope No. 3 and Hope #4 lodes are identical with the corner of the location.

EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of each of the lode locations embraced in said mining claim by the claimants or their grantors are as follows:

- No.1 The discovery point of the Hope No. 3 lode is on the lode line 500 ft. from the center of line 4-1.
No value
- No.2 A trench, the center of which bears N. 12°18' E., 742 ft., from Cor. No. 1 of Hope No. 3 lode; 8 ft. wide, 4 ft. deep running northeasterly 10 ft. and south-westerly 10 ft.
Value, \$100.
- No.1 The discovery point of the Hope #4 lode is on the lode line 125 ft. from the center of line 2-3
No value

FEET	8.								
No.2	<p>A trench, the center of which bears S. $44^{\circ}23'$ E., 205 ft. dist., from Cor. No. 2 of the Hope #4 lode; 8 ft. wide, 4 ft. deep, running northeasterly 10 ft., and southwesterly 10 ft. Value, \$100.</p>								
No.1	<p>The discovery point of the Hope #5 lode is on the lode line 100 ft. from the center of line 4-1. No value.</p>								
No.2	<p>A trench, the center of which bears S. $44^{\circ}23'$ E., 185 ft. dist., from Cor. No. 1 of the Hope #5 lode; 8 ft. wide, 5 ft. deep, running northeasterly 10 ft. and southwesterly 10 ft. Value \$100.</p>								
No.1	<p>The discovery point of the Hope #6 lode is on the lode line 20 ft. from the center of line 2-3. No value</p>								
No. 2	<p>A drill hole, the collar of which bears S. $77^{\circ}21'$ W., 703.3 ft. dist., from Cor. No. 2 of the Hope #6 lode; 208 ft. deep. Value, \$1,456.</p> <p style="text-align: center;">An interest in a common improvement:</p> <p>A drill hole, the collar of which bears N. $65^{\circ}10'$ W., 310.8 ft. dist., from Cor. No.2 of the Hope #6 lode; 2321 ft. deep. Value \$23,210. Value of $\frac{1}{4}$ interest \$5,802.50.</p> <p>This improvement is for the improvement and development of all the lodes in this survey; therefore, $\frac{1}{4}$ interest in its value is hereby credited to each lode.</p> <p>No portion of or interest in this improvement has been credited heretofore as patent expenditures to any lode claim.</p> <p style="text-align: center;">OTHER IMPROVEMENTS</p> <p>A cut, the center of which bears N. $61^{\circ}37'$ E., 473 ft. dist., from Cor. No. 1 of the Hope #4 lode; 8 ft. bank, running northerly 20 ft. and southerly 20 ft. Claimant, Sierrita Mining & Ranching Co.</p> <p style="text-align: center;">FIELD ASSISTANTS</p> <table style="width: 100%; border: none;"> <thead> <tr> <th style="text-align: center;"><u>Name</u></th> <th style="text-align: center;"><u>Capacity</u></th> </tr> </thead> <tbody> <tr> <td>Cruz Medina</td> <td>Rodman</td> </tr> <tr> <td>Douglas Ketron</td> <td>Chainman</td> </tr> <tr> <td>Thomas Engle</td> <td>Chainman</td> </tr> </tbody> </table>	<u>Name</u>	<u>Capacity</u>	Cruz Medina	Rodman	Douglas Ketron	Chainman	Thomas Engle	Chainman
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Thomas Engle	Chainman								

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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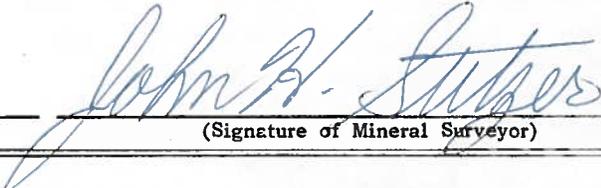
CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
John H. Stitzer	July 22, 1964

I HEREBY CERTIFY That in pursuance of an ^{amended} order received from the State Director of The Bureau of Land Management, at Phoenix, Arizona dated May 19, 1964, I have carefully executed the survey of the claim of Fern A. Wilson, C. Darrel Wilson & Alice Ann Kilroy, known as the (lode, placer, or mill site) Hope No. 3, Hope #4, Hope #5 & Hope #6 lodes situated in Sections 7 & 18 Township 18 S., Range 12 E., Gila & Salt River Base & Meridian, in the State of Arizona

This survey, designated as number 4616, 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.

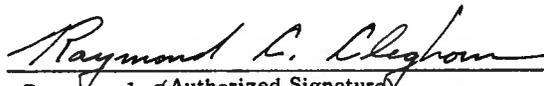
I FURTHER CERTIFY That the labor expended and improvements made upon and for the benefit of the (lode or placer) lode location(s) embraced in the said mining claim by claimant(s) ~~gractors~~ are fully stated in my report. The character, extent, location, and itemized value are specified in full detail.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

Tucson, Arizona (Location)	 (Signature of Mineral Surveyor)
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CERTIFICATE OF APPROVAL

Office Bureau of Land Management - Arizona State Office
Location Phoenix, Arizona
Date October 1, 1964

The foregoing field notes of mineral survey number 4616, in Sections 7 and 18 Township 18 S., Range 12 E., Gila & Salt River Meridian, in the State of Arizona, surveyed unsurveyed, executed by John H. Stitzer, Mineral Surveyor, under order dated ^{January 24 & Amended May 19}, 1964, 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.

 Raymond C. Cleghorn (Authorized Signature)	Acting State Director (Title)
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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)
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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.

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF THE HISTORY OF ARTS
AND ARCHITECTURE

1954-1955

THE UNIVERSITY OF CHICAGO, CHICAGO, ILLINOIS

1954-1955

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