Form 4-683 (January 1963)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

# FIELD NOTES

Mineral Survey number 4650

State

ARIZONA

Land District ARIZONA

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

ORVILLE MARION PENDERGRASS 209 N. ELDEN FLAGSTAFF ARIZONA 86001

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

CONSISTING	OF	LOCATIONS	NAMED	AND	LOCATED	AS	FOLLOWS
CONSISTING	OF	LUCA HUNS	NAMED	AND	LUCAILD	72	OLLOWS

	DATE		
NAME OF LOCATION	LOCATED	AMENDED	
COLLINS No.1	5/16/38	9/27/1966	
COLLINS No.2	5/16/38	9/27/1966	

Mining district WHITE	MESA		County COCONIN	0
Section 13 &24 Townshi	3 N.	Range E.	Meridian S.R.	Survey under order dated
Survey commenced OCT.16,1966	Surve	y completed 0V.5,1966	Name of Mineral Sur J.WILLIAM V	

FEET

This survey was made with a Lietz
Light Mountain transit No. 9303, with
horizontal limb five inches in diameter,
having two double opposite verniers
reading to thirty seconds of arc, and
full vertical circle five inches in diameter, having two double opposite verniers
reading to one minute of arc; the eyepiece
is equipped to receive a prismatic eyepièce with colored shade for direct observations upon the sun. The instrument was
in good condition at the time of the survey and all adjustments were in good order

vey and all adjustments were in good order.

All azimuths in this record were determined by the method of deflection angles referred to the meridian established by direct observations on the sun.

November 5, 1966 at a point N.66°-46'
E. 357.4 feet from cor. No.4 of the
COLLINS No.2 placer of this survey,
Latitude 35°-22'N., Longitude 111°-35'W.;
turning from the reference northwest,
clockwise to the sun in the southwest.

True bearing of the reference point

is S.66°-46'W.

The lines were measured with a 1/8 in. steel tape 500 feet long, graduated every foot with both end feet in 1/10th. foot graduations. This tape was compared with a standard 100 foot steel tape at the time of beginning the survey, and found correct.

All lines and connections of this sur-

vey were run by direct methods.

The Magnetic declianation observed at each corner of this survey gave a uniform value of 14°-30'E.

# SURVEY NO. 4650

# COLLINS No.1 PLACER

At Cor.No.1 of the COLLINS No.1 placer, identical with Cor. No.4 of the COLLINS No.2 placer of this survey.

On line 1-2 Sur.No.4652 KINCANON NO.1 placer.

Set an iron pipe 36 inches long, 1/2 in. diameter, 18 inches into the ground, surrounded by a substantial mound of stone, fitted with a three inch floor flange with copper plate bolted thereon, marked C 1-1, C 2-4 U S M S 4650 with its center for exact corner point; from which

The point for the northwest cor. of Sec. 19 T.23 N.R.8 E. of the Gila and Salt River Meridian bears N.87°-18'E. 1867.2 feet distant, reestablished from bearing trees.

		3011122 1104 1000	
	FEET	No other local bearing object or bearing trees available.	
	Page 18 de la companya de la company	Thence S.0°-56'E.	
Fü	110.0	Cross mine road, bears northeast to south	
	1320.0	West. Cor. No.2, identical with Cor. No.3 of the COLLINS No.2 placer of this survey.	9
	o Augusta	Set a 1/2 inch iron pipe 36 inches long, 18 inches into the ground, surrounded by a substantial mound of stone, fitted with a three inch floor flange with copper plate bolted thereon, marked C 1-2, C 2-3 U S M S 4650 with its center for exact corner point; from which	
	1110-111	No local bearing objects or bearing trees available.	
	. 3 0 8 0 13 8	Thence S.66°-46'W.	
	713.3	Cor. No.3	
	ten at la	Set a 1/2 inch iron pipe 36 inches long, 18 inches into the ground, surrounded by a substantial mound of stone, fitted with a three inch floor flange with copper plate bolted thereon, marked C 1-3-U S M S 4650 with its center for exact corner point; from which	
	Sevie do.	No local bearing objects or bearing trees available.	
		Thence N.O56'W.	
	1120.0	Enter plantsite area of operations.	
	1320.0	Cor.No.4	
		On line 1-2 Sur.No. 4652 KINCANON NO.1 placer.	
	A.C.	This corner falls within the plant site area of operations where a monument cannot be established.	
		Thence N.66*-46'E.	
	8.7	Point selected for witness Cor.No.4	
	control  con	Set a 1/2 inch iron pipe 36 inches long, 18 inches into the ground, surrounded by a substantial mound of stone, fitted with a three inch floor flange with copper plate bolted thereon, marked W C C 1-4 U S M S 4650 with its center for exact corner point, from which	
	ec cor. Gila and 7°-16'1.	The point for Cor. No. 2 Sur.No.4652 KINCANON NO.1 placer claim, bears S.66°-46'W. 258.0 feet distant.	
		No other local bearing objects or trees available.	

713.3	
	Cor. No.1, and the place of beginning.
70.44 - 7	COLLINS No.2 PLACER
70	At Cor. No.1 of the COLLINS No.2 placer.
	Set a 1/2 inch iron pipe 36 inches long, 18 inches into the ground, surrounded by a substantial mound of stone, fitted with a three inch floor flange with copper plate bolted thereon, marked C 2-1-U S M S 4650 with its center for exact corner point; from which
Legalia Legalia Desulan	The northwest cor. of Section19, T. 23 N.R.8 E., G. & S.R. meridian bears S.80°-57'E. 1235.2 feet distant; previously described.
ic galler	No other local bearing objects or bearing trees available.
125	Thence S. 0°-57'E.
1319.9	Cor. No. 2
	Set a 1/2 inch iron pipe 36 inches long, 18 inches into the ground, surrounded by a substantial mound of stone, fitted with a three inch floor flange with copper plate bolted thereon, marked C 2-2 U S M S 4650 with its center for exact corner point; from which
	No local bearing objects or bearing trees available.
1	Thence S.66°-46'W.
713.3	Cor. No. 3, identical with Cor. No.2 of the COLLINS No.1 placer of this survey.
and the second	Thence N.O°-56'W.
1210.0	Cross mine road, bears northeast to south- west.
1320.0	Cor. No.4, identical Cor. No.1 of the COLLINS No.1 placer of this survey.
	On line 1-2 Sur. No. 4652 KINCANON NO.1 placer.
	Thence N.66°-46'E.
257.4	Cross mine road, bears northeast to southwest.
357.4	Cor. No.1 Sur.No. 4652 KINCANON NO.1. placer.
713.1	Cor. No.1, and the place of beginning.

FEET

### AREAS .

Acres

Total area, COLLINS No.1 placer - 19.999
Total area, COLLINS No.2 placer 19.996

# LOCATION

This survey is located in the S.W.1/4 of S.E.1/4 and in Lot 4 Sec. 13, and in the N.W.ofN.E. 1/4 and, in Lot 1 Sec.24 T. 23 N.R.7 E.G & S.R.Meridian, Arizona.

The survey of the COLLINS No.1 and COLLINS No.2 placer claims is identical with the respective amended location as marked on the ground.

### EXPENDITURES

The improvements and the value of the labor and improvements made upon or for the benefit of each of the placer locations embraced in said mining claims by the claimant or his grantors are as follows;

No.1

The discovery and development open pit of the COLLINS No.1 placer, the center of which is the discovery point. The boundaries of the pit are described as follows:

as follows:
Beginning at the southeast corner of the pit, thence N.89°-45'W. 190 ft.; thence N.74°-00'W. 70 ft.; thence N.38°-45'W. 310 ft.; thence N.53°-30'E. 170 ft.; thence S.76°-30'E. 235 ft.; thence N.71°-00'E. 100 ft.; thence S.14°-15'W. 100 ft.; thence S.4°-15'E. 245 ft. to the place of beginning; from which Cor. No.2 of the COLLINS No.1 placer bears S.7°-30'E. 616 feet distant.

The area of this pit is approximately 110,000 sq.ft. and has an approximate average depth of 15 ft. or 71,000 cubic yards of excavation.

Value \$35,500.00

No.1

The discovery and development open pit of the COLLINS No.2 placer, the center of which is the discovery. The boundaries of the pit are described as follows;

Beginning at the northeast corner of the pit, thence S.15°-15'E. 185 ft.; thence S.43°-30'W. 45 ft.; thence S.1°E.; 80 ft.; thence S.36°-30'W. 85 ft.; thence S.58°W. 75 ft.; thence S.77°W. 80.0 ft.; thence N.59°-45'W. 55 ft.; thence N.17°-45'E. 75 ft.; thence N.18°-30'W. 150 ft.; thence N.42°-30'E. 85 ft.; thence N.59°-15'E. 220 ft. to the place of beginning, from which Cor. No.1 of the COLLINS No.2 placer bears N.37°-45'E. 615 feet.

FEET

The area of this pit is approximately 100,000 square feet and has an approximate average depth of 15 ft. or 55,000 cu. yds.of excavation.

Value

\$27,500.00

# OTHER CORNER DESCRIPTIONS

Survey No. 4652; Corners of this survey are 1/2 inch iron pipe 36 inches long, set 18 inches into the ground, surrounded by a substantail mound of stone, fitted with a three inch floor flange with copper plate bolted thereon, and marked with name, number of corner and survey.

A tie could not be made to other than the known and properly identified Northwest Corner Section 19, T.23 N.R.8 E. being the nearest public survey corner. The stone is missing, however the four recorded bearings were; standing three trees, fallen one tree, scribed as of record. The point for South 1/4 cor. Sec. 13, as determined by projection of the calls in the official record, falls in the plant site area of operations and is obliterated.

# REPORT OF MINERAL SURVEYOR SPECIAL SURVEY DATA

This report covers the COLLINS No.1 placer and the COLLINS No.2 placer mining claims as observed in the field examina-

tion by me. The claim is for residual volcanic deposit containing a pumice possessing unique chemical and physical properties different from the average pumice. It has been determined that this pumice, without calcining, is a true and effective pozzo-lanic material, and that its chemical and physical properties render it especially adaptable for use as a true and effective pozzolan, valuable for building, industrial and manufactoring purposes. This type of material was used in enormous quantities for mixing with concrete in the recent construction of the Glenn Canyon Dam by the U.S.Reclamation Service. The material is also used in lesser projects such as construction of the U.S. Arsenal at Belmont Arizona, presently on heavy concrete interchange and bridge construction on U.S.Military highway nearby. In addition it is used as sand for local consumption in the construction work, it being other than gold placer and still claimed under the PLACER MININGLAWS.

The valuable deposits consist principally of sand dune shaped bedding planes of fragmented material, consisting of a high percentage of sand and larger screen passing material. The presence of deeper bedding planes has not been explored, how the known plane is unlimited in extent.

FEET

There are no water holes, springs, or observable water courses; ground being extremely of pourous nature. The claim is in a cut-over timbered area, remaining trees being small size and larger seed type left over trees. The vegetation is sparce mountain grasses of 7500 foot elevation type. The claim is all placer ground, there being no known lodes. The claim is situated about one mile west of U.S. Highway No.89 and the adit road runs up a slightly rising plain, making the area extremely and advantageously accessible from the railroad, highways and cities. The construction of the proposed Marble Canyon Dam will open an immense market for this material.

J.William Waara
U.S.Mineral Surveyor

Field assistants; Gene Garver E.G.Chapman

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

# CERTIFICATE OF SURVEYOR

Name of Mineral Surveyor	Date
J.WILLIAM WAARA	NOV. 23,1966
I HEREBY CERTIFY That in pursuance of an order received from AND MANAGEMENT, at PHOENIX dated OCT. 3, 1966, I have careful	
of ORVILLE MARION PENDERGRASS	my executed the survey of the clair
known as the (lode, placer, or mill site) COLLINS No.1 and Cosituated in Sections 13 and 24, Coconino Nation Township 23 N., Range 7 E., Gila and Salt Ri State of ARIZONA	nal Forest,
This survey, designated as number 4650 , has been example and has been made in strict conformity with said order, the Manual of Lands of the United States, and in the specific manner described in the	
I FURTHER CERTIFY That the labor expended and improveme the (lode or placer) COLLINS No.1 and COLLINS No.2 embraced in the said mining claim by claimant(s) or his grantors are fully stated in my report. The character, extent, location, full detail. No portion of, or interest in, said labor and improvements so	placer location(s
cluded in the estimate of expenditures upon any other claim.	
01.06	
Prescott Arizona (Location) (Signature	of Mineral Surveyor)
(Docarion) (Osemene	or minoral surveyor)
V	
CERTIFICATE OF APPROVAL	Bureau of Land Managem
	Office
	Arizona State Office
	Location Phoenix, Arizona
	Date
	February 28, 1968
The foregoing field notes of mineral survey number 4650	in Sections 13 and 24
Township 23 N., Range 7 E., Gila and Salt River	, x surveyed unsurveyed Meridian, in the
State of Arizona , executed by J. William V	
Mineral Surveyor, under order dated October 3, 19, 66, havinecessary corrections made prior to their certification by the surveyor, the surveyor of the survey	ng been critically examined and the
described are hereby approved.	
1	
Tuel. Clubs State Di	rector
Fred I Watherized Signature)	(Title)
Fred J. We There is a signature)	(Title)
CERTIFICATE OF TRANSCRIPT	
I CERTIFY That the foregoing transcript of field notes of t	the above described mineral surve
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Land Office & Serial Number

Form 3400-9 (August 1967) (formerly 4-688)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

CERTIFICATE OF EXPENDITURES, IMPROVEMENTS, AND MINERAL SURVEY

Date

Name of Claimant

Orville Marion Pendergrass

Mineral Survey Number

4650

will, if incorporated into a patent, serve fully to identify scription of all claims embraced within the survey that it described mineral survey furnishes such an accurate de-I HEREBY CERTIFY That the record of the abovelocation of the claims will be perpetuated and fixed to natural objects or permanent monuments so that the the premises and that references are made in the survey

> I FURTHER CERTIFY That the record reveals not his grantors. improvements upon or for the benefit of each of the the improvements were made lode claims embraced within the survey and that less than \$500 worth of labor has been expended for by the claimant or

Date

Authorized Signature

DANIEL E. SALSBERY

Acting Chief, Division of Engineerin

March 7, 1968

(See reverse)

# Notice of Mining Cocation

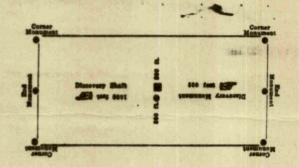
	he name of which is the	COLLINS NO. 1	
re valuable mineral dep	osits, was entered up on an	ted States of America, and in which there ad located for the purpose of exploration	
nd purchase by Orvi	lle Marion Pendergr	ass a citizen of the United	
States.			
(Locator must insert either	"a citizen of the United States" or "w	ho has declared his intention of becoming a citizen	
he undersigned, on the		Sept. 1966.	
		feet,	
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660	CONTRACTOR OF THE PARTY OF THE		
		of the surface grounds. Xisconsidered the landscale premises is from the	
		south	
		E MESA Mining District, in	
		about one	
mile wester	ly from II. S. Hickiese	Motro89 at Shultz Pass summit	
n section 13 and	24. EXXEXXEXMERKES	T. 23 N.R.7 E.	
***************************************			
		upon the ground as follows: Beginning	
on northerly	y boundary at a poin	at in a	
			1000
reconstructions north	erly directi	ion 600 feet from	
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I, Edna Mae Thornton County Recorder in and for the County and state aforesaid, do hereby certify that the within instrument was filed for record at 3.200 o'clock P. M., on this 28th day of September 19.66., and duly DKT. 261 Records of Coconing County, Arizona at pages 578-579 Request of Orville Marion Pendergrass WITNESS my hand and official seal the day and year first above written.

Edna Mae Thornton

County Recorder.

	Ro	rothy &	Deputy	· sec
Notice of Encation Lode Clair	STATE OF ARIZONA  County of I hereby certify that the within in-	strument was filed and recorded at request of Book	on page  Witness my hand and official seal the day and year aforesaid.  County Recorder.	By Deputy Recorder.



general idea of plan of beation under the new law. The Discovery Shaft can be in the center of claim or any distance from either end desired. In the diagram it is placed 560 feet from the other. Commence descriptions of claim at a center end monument, giving its distance and direction from easter of Discovery Shaft; thence bound the claim in either direction. In description be carreful to state locality of claim with reference to some natural object, or permanent monument, as will identify the claim.

# TO ALL WHOM IT MAY CONCERN: This Mining Claim, the name of which is the COLLINS No.2. Mining Claim, situate on lands belonging to the United States of America, and in which there are valuable mineral deposits, was entered upon and located for the purpose of exploration and purchase by ... Orville Marion Pendergrass, a citizen of the United ... (Locator must locert either "a citizen of the United States" or "who has declared his intention of becoming a citizen of the United States.") the undersigned, on the 27 day of Sept. , 1956. The length of this claim is 1320 and 1 Claim 880 in a \_\_southerly \_\_\_\_\_ direction and \_\_\_\_\_ 440 feet in a northerly direction from the center of the discovery short, at which this notice is posted, lengthwise of the claim, together with 660 feet in width of the surface grounds, constitutions the most harden and the southerly to the southerly Coconine County, in the State of Arizona, about One mile in a westerly direction from .U.S.Highway No.89 at ... Shultz Pass Summit; in Sec. 13 and 24 T.23 N.R.7 E. The surface boundaries of the claim are marked upon the ground as follows: Beginning on mortherly boundary at a point in a direction 440 feet from the discovery month (at which this notice is posted), being in the contraction of the northerlyend line of said claim; thence northeasterly ... 200 ... feet to a ...... mona.... southerly 1320 feet to a mon. being at the S. L. corner of said claim; thence southwesterly 713.5 feet aktionmeteraktien gukninsiteksien ENDUNE to a mon. S.W. corner of said claim; thence NORTHERLY 1320 feet mon. at the ...... N.W. corner of said claim; thence 513.5 (N.E.) feet to the place of beginning. All done under the provisions of the laws of the United States, and the State of Arizona. This is an amended Location Notice of the Earl Collins Placer Mining and Sand 2" Managedishes Senses systems . located by Earl E. Collins on the 11th day of correct errors in the description in the said original Location Notice day of Sept. Dated and posted on the grounds this 27..... Comelle Marion Juckypas

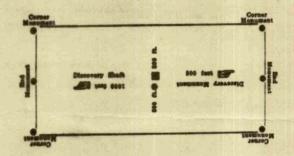
County of ..... Coconino recorded in 201 No. 261 of ...... Records of ... Coconino ...... County, Arizona at pages 580-581 Request of Orville Marion Pendergrass

WITNESS my hand and official seal the day and year first above written.

Edna Mae Thornton

County Recorder.

	Dorothy	Deputy
Notice of Location Lods glain	STATE OF ARIZONA STATE OF ARIZONA County of I hereby certify that the within instrument was filed and recorded at request of Book In Docket on page	Vitness my hand and official seal day and year aforesaid.  County Recorder.  Deputy Recorder.



TO WHOM IT MAY CONCERN:

and Sand

This Placer Mining Claim, the name of which is The Earl Collins Placer Mining/ Claim, No. 1, situate on lands belonging to the United States of America, and being a form of valuable mineral deposit other than in veins or lodes of quartz or other rock in place, was entered upon and located for the purposes of exploration and purchase by me E. E. Collins, a citizen of the United States and a resident of the State of

I claim eighteen and sixty five one hundredths (18.65) acres thereof and have

Beginning at Corner No. 1, from which the quarter corner between sections 13 and 24, T. 23 N. R. 7 E. G. 6 S. R. B. 2 M. Arizona bears North 70 degrees East, 283 feet; thence South 64 degrees 44 minutes east, 1548.2 feet to corner No. 2; thence north 6 degrees 07 minutes west, 543.0 feet to corner No. 3; thence north 10 degrees 12 minutes west, 756.7 feet to corner No. 4; thence south 67 degrees 42 minutes west 1336.0 feet to corner No. 1, the place of beginning and containing 18.65 acres more or less.

All done under the provisions of the Nevised Statutes of the United States

Dated and nosted on the grounds this 11 day of June. 1938.

Earl E. Collins

Recorded at the request of F. M. Gold June 13th, A. D. 1938 at 4:00 o'clock P. M. Marie Gregg, County Recorder

### TO WHOM IT MAY CONCERN:

This Placer Mining Claim, the name of which is the Earl Collins Placer Mining and Sand Claim, No. 2, situate on lands belonging to the United States of America, and being a form of valuable mineral eposit other than in veins or lodes or quartz or other rock in place, was entered upon and located for the purposes of exploration and purchase by me E. E. Collins, a citizen of the United States and a resident of the State of Arizona, on the 16th., day of May, 1938.

I claim eighteen and sixty seven one hundredths, (18.67) acres thereof and

Beginning at corner No. 1, from which the querter corner between sections 13 and 24, T. 23 N., R. 7 E., G. & S. R. B. & M. Arizona, bears north 70 degrees east, 283 feet: thence south 10 degrees west, 480 fe t to corner No. 2; thence south 50 degrees east, 480 feet to corner No. 3; thence south 56 degrees east, 500 feet to corner No. 4; thence north 60 degrees east, 800 feet to corner No. 5; thence north 64 degrees 44 minutes west, 1548.2 feet to corner No. 1, the place of beginning and containing 18.67 acres more or less.

All done under the provisions of the Revised Statutes of the United States

Dated and posted on the ground this 11 day of June, 1938.

Earl E. Collins

Recorded at the request of F. M. Gold June 13th, A. D. 1938 at 4:00 o'clock P. M Marie Gregg. County Recorder

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT ARIZONA STATE OFFICE

## NOTICE OF CANCELLATION OF MINERAL SURVEY

The COLLINS No. 1, and COLLINS No. 2 placers, Mineral Survey No. 4650, located in sections 13 and 24, Township 23 North, Range 7 East, Gila and Salt River Meridian, Arizona, are hereby cancelled.

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 shall be noted as follows:

"COLLINS No. 1, and COLLINS No. 2 placers, M. S. 4650, were cancelled July 11, 2017, by memo 9605 (956), which is now a part of the original field notes.

July 11, 2017

Date

Chief Cadastral Surveyor of Arizona