

Form 3860-10  
(February 1987)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Mineral Survey Number  
4893

State  
Arizona

Land District  
Safford

**FIELD NOTES**

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

The Chemical Lime Company of Arizona  
c/o M. William Tilden, Esg.  
600 North Arrowhead Avenue  
San Bernardino, CA 92401

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

Douglas Lodes

NAME OF CLAIM(S)

NAME OF LOCATION	DATE			BLM MINING CLAIM SERIAL NUMBER
	LOCATED AND AMENDED	RECORDED WITH COUNTY	RECORDED WITH BLM	
Douglas Lode 3A	5-9 1994	5-19 1994	6-9 1994	331174

LOCATION OF CLAIM(S)

Mining district Warren			County Cochise	
Section 1 and 12	Township 24S	Range 25E	Meridian G & SRM	Survey under order dated August 22, 1994
Survey commenced October 17, 1994		Survey completed October 17, 1994	Name of Mineral Surveyor James A. LaPuzza	

## Mineral Survey No. 4893

FEET

This survey was made with a Topcon GTS2/06 electronic semi-total station surveying instrument, Serial No. E50873 with a micrometer vernier reading to 6 seconds of arc, both horizontally and vertically. The objective lens is equipped with a removable colored lens for making direct observations of the sun. The instrument was in good adjustment at the time of the survey, and all measurement characteristics were properly verified.

All azimuths in this record were determined by the method of direct and reverse interior angles referred to the meridian determined by the following solar observation (altitude method).

Under instructions, Mineral Survey No.4890, by this Mineral Surveyor:

February 27, 1994, at the  $\frac{1}{4}$  sec. cor. of secs. 1 and 36, Tps. 23 and 24 S., R. 25 E., G.&S.R.M., Arizona in latitude  $31^{\circ}22'46''$  N., longitude  $109^{\circ}45'27''$  W., elevation 4360 feet above sea level, and temperature  $60^{\circ}$  F., made a series of 12 altitude observations on the sun for azimuth, at approximately equal time intervals, 6 each with the telescope in direct and reverse positions, and reading the horizontal angle from a reference point 1453.96 ft. northeasterly, clockwise and southwesterly to the sun.

Mean time of observation,  $105^{\text{th}}$  meridian mountain standard time = 3h 4m P.M.

Declination of the sun at mean time of observation =  $8^{\circ}16'29''$  S.

Mean observation vertical angle to the sun's center =  $36^{\circ}17'37''$

Mean horizontal angle to the sun's center from reference point =  $174^{\circ}19'02''$  R.

True bearing to reference point = N.  $54^{\circ}49'31''$  E.

All lines were measured with said Topcon GTS2/06 theodolite. The EDM was compared with a measured distance at the time of beginning the survey and found to be correct.

All lines and connections of this survey were run by direct methods.

The mean magnetic declination observed at every corner of this survey gave a uniform value of  $11^{\circ}30'$  E.

## Mineral Survey No. 4893

FEET	
	DOUGLAS LODE 3A
	At Cor. No. 1, Douglas Lode 3A, at latitude 31°22'01" N., longitude 109°45'16" W., identical with Cor. No. 1, Douglas Lode 3, Cor. No. 1, Douglas Lode 4 and Cor. No. 1, Douglas Lode 5, MS 4890., monumented with an iron post in place, 2 ins. diam., firmly set, projecting 16 ins. above the ground, with alum. cap mkd. MS 4890 1DL3 1DL4 1DL5 JAL 1994 in a mound of stone, 3 ft. base, 1 ft. high around post. I mark said alum. cap 1DL3A MS 4893; from which
	The ¼ sec. cor. of secs. 1 and 36, Tps. 23 and 24 S., R. 25 E., G.&SR.M., monumented with a limestone 8 x 8 ins., found in place, firmly set, projecting 5 ins. above the ground, with ¼ chiseled on N. face, bears N. 10°56'47" W., 4590.92 ft. dist.
	No bearing objects.
	Identical with corner of location.
	Thence S. 0°04'41" E.
695.	Flowline of watershed, 8 ft. wide, drains N. 57° E.
826.14	Intersect the line between sections 1 and 12. The cor. of secs. 1, 6, 7 and 12, Tps. 24 S., Rs. 25 and 26 E., monumented with an iron pipe in place, 1½ ins. diam., firmly set, projecting 12 ins. above the ground, with threaded cap mkd. MS 4890 RM12 1994, bears S. 89°50'09" E., 1793.26 ft. dist.
1500.00	Cor. No. 2, identical with Cor. No. 4, Douglas Lode 5, MS 4890, monumented with an iron post in place, 2 ins. diam., firmly set, projecting 12 ins. above the ground, with alum. cap mkd. MS 4890 4DL5 S12 JAL 1994. I mark said alum. cap 2DL3A MS 4893.
	No bearing objects.
	Identical with corner of location.
	Thence N. 89°30'48" W.
300.00	Lode Line. Discovery Monument, a 2 x 4 ins. wood post, painted red, firmly set, projecting 4 ft. above the ground, mkd. DM DL3A, bears N. 0°04'41" W., 1400.00 ft. dist.
592.	A dirt road, 8 ft. wide, bears N. 20° E. and S. 20° W.
600.00	Cor. No. 3

## Mineral Survey No. 4893

FEET	
	<p>Set an iron post, 2 ins. diam., 30 ins. long, 20 ins. in the ground, with alum. cap mkd. MS 4893 3DL3A S12 JAL 1994; from which</p> <p>Reference Monument No. 14, on a projection of line 2-3 of this location, an iron pipe, 1 in. diam., 24 ins. long, which I drive 23 ins. in the ground, with alum. cap mkd. MS 4893 RM14 JAL 1994, bears N. 89°30'48" W., 100.00 ft. dist.</p> <p>The center of the steel well casing at a windmill, situated on this location, bears N. 8°32'26" E., 242.88 ft. dist.</p> <p>Identical with corner of location.</p> <p style="text-align: center;">Thence N. 0°04'41" W.</p>
670.48	<p>Intersect the line between sections 1 and 12. The cor. of secs. 1, 2, 11 and 12, T. 24 S. R. 25 E., monumented with an iron pipe, ¾ in. diam., firmly set, flush with ground, in a mound of stone, 3 ft. base, 1 ft. high, with alum. cap mkd. T. 24 S. R. 25 E. S1 S2 S11 S12 MS 4890 1994, bears N. 89°50'09" W., 2900.80 ft. dist.</p>
1500.00	<p>Cor. No. 4, identical with Cor. No. 2, Douglas Lode 3, MS 4890, monumented with an iron post in place, 2 ins. diam., firmly set, projecting 16 ins. above the ground, in a mound of stone, 1½ ft. high, with alum. cap mkd. MS 4890 2DL3 S1 JAL 1994. I mark said alum. cap 4DL3A MS 4893; from which</p> <p>Reference Monument No. 9, on a projection of line 1-4 of this location, an iron pipe in place, 1 in. diam., projecting 2 ins. above the ground, with alum. cap mkd. MS 4890 RM9 JAL 1994, bears N. 89°30'48" W., 100.00 ft. dist.</p> <p>No other bearing objects.</p> <p>Identical with corner of location.</p> <p style="text-align: center;">Thence S. 89°30'48" E.</p>
300.00	<p>Lode Line. Discovery Monument, hereinbefore described, bears S. 0°04'41" E., 100.00 ft. dist.</p>
600.00	<p>Cor. No. 1 and place of beginning.</p> <hr/>

## Mineral Survey No. 4893

FEET	
	<b>AREA</b>
	Total area, Douglas Lode 3A <span style="float: right;">20.660</span>
	Area in conflict with:
	Section 1 <span style="float: right;">11.402</span>
	<b>LOCATION</b>
	This survey is situated in the SE 1/4 of sec. 1 and the NE 1/4 of sec. 12, T. 24 S., R. 25 E., Gila and Salt River Meridian, Cochise County, Arizona.
	The survey of the subject Douglas Lode 3A is wholly within the location as marked on the ground.
	<b>EXPENDITURES</b>
No. 1	The discovery point of the Douglas Lode 3A is on the lode line, 1400 ft. from a point on line 2-3, 300.00 ft. from Cor. No. 2.  Value, none.
No. 2	Recirc. drill hole No. 94-5, vertical, 400 ft. in depth, bears S. 22°11' W., 405 ft. dist. from Cor. No. 1, Douglas Lode 3A.  Value, \$4,000.00
	<b>OTHER CORNER DESCRIPTIONS and SUPPLEMENTAL DATA</b>
	M.S. 4890, Douglas Lode 3: Cor. Nos. 1 and 2, identical with Cor. Nos. 1 and 4 of this survey, described above. Line 1-2 was found to be correct as approved.
	M.S. 4890, Douglas Lode 5: Cor. Nos. 1 and 4, identical with Cor. Nos. 1 and 2 of this survey, described above. Line 4-1 was found to be correct as approved.
	The 1/4 sec. cor. of secs. 1 and 36. Tps. 23 and 24 S., R. 25 E., the cor. of secs. 1, 6, 7 and 12, Tps. 24 S., Rs. 25 and 26 E., and the cor. of secs. 1, 2, 11 and 12, T. 24 S., R. 25 E., described above. The line between sections 1 and 12 was found to be N. 89°50'09" W., 5293.35 ft. instead of N. 89°50' W., 5233.80 ft. as approved.

Mineral Survey No. 4893

FEET	FIELD ASSISTANTS	
	NAME	CAPACITY
	Scott Musick	Chainman
	Anthony LaPuzza	Chainman
	Stuart Eyer	Chainman

UNITED STATES  
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BUREAU OF LAND MANAGEMENT

CERTIFICATE OF SURVEYOR

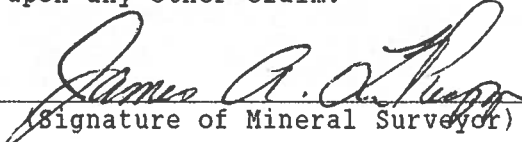
Name of Mineral Surveyor	Date
James A. LaPuzza	May 10, 1996

I HEREBY CERTIFY That in pursuance of an order received from the Arizona State Office, Bureau of Land Management, at Phoenix, Arizona, dated August 22, 1994, I have carefully executed the survey of the claim of Chemical Lime Company of Arizona, known as the Douglas Lode 3A lode, situated in sections 1 and 12, Township 24 South, Range 25 East, Gila and Salt River Meridian, in the State of Arizona.

This survey, designated as number 4893, 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 Douglas Lode 3A lode location embraced in the said mining claim by claimants 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.

Rio Rico, Arizona  
(Location)

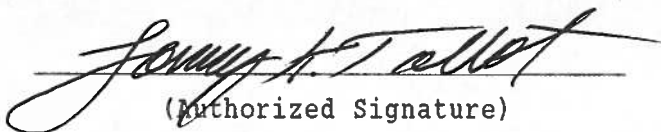
  
(Signature of Mineral Surveyor)

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 23, 1996

The foregoing field notes of mineral survey number 4893, in surveyed sections 1 and 12, Township 24 South, Range 25 East, Gila and Salt River Meridian, in the State of Arizona, executed by James A. LaPuzza, Mineral Surveyor, under order dated August 22, 1994, and 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)

Acting Chief Cadastral Surveyor of Arizona  
(Title)

~~CERTIFICATE OF TRANSCRIPT~~

~~I HEREBY CERTIFY That the foregoing transcript of field notes of the above-described mineral survey number 4893 is a true copy of the original field notes.~~

~~\_\_\_\_\_  
(Authorized Signature)~~

~~Acting Chief Cadastral Surveyor of Arizona  
(Title)~~