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PRINTED: 10/18/2001

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: JEWEL ANNE GROUP

ALTERNATE NAMES:

LA PAZ COUNTY MILS NUMBER: 70

LOCATION: TOWNSHIP 6 N RANGE 15 W SECTION 25 QUARTER NW
LATITUDE: N 33DEG 50MIN 48SEC LONGITUDE: W 113DEG 46MIN 35SEC
TOPO MAP NAME: UTTING - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

TUNGSTEN

BARIUM BARITE

COPPER OXIDE

BIBLIOGRAPHY:

KEITH, S.B., 1978, AZBM BULL. 192, P. 149

ADMMR JEWEL ANN GROUP

TUNGSTEN DPSTS OF YUMA ET AL, RI 5516 P. 17

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

<u>ARIZONA</u>	MM-6068	Scheelite
	MM-6069	Scheelite in epidote
	MM-9105	Scheelite in limestone
LaPazCounty	MM-9106	Scheelite in breccia
	MM-9107	Scheelite in conglomerate

Salome
Ellsworth Mining District
Jewel-Ann Claims MILS # 70
0-AKA's
Jewel Ann Group (file)

<u>LA PAZ COUNTY</u>	MM L 710	Scheelite
Granite Wash Mts., W. slope	L 711	Scheelite
<u>Jewel Ann group</u> MILS # 70		

0-AKA's
Jewel Ann Group (file)



Cut for portal of new Adit
Jewel Ann Claims - E. Colhue
Jan 6th, 1984

Note: A 4" x 4" Wood Post in a Mound of Stone was Set for Each of the Corners, End Corners and Location Points of the Jewel Ann Lode Mining Claims Shown Hereon.

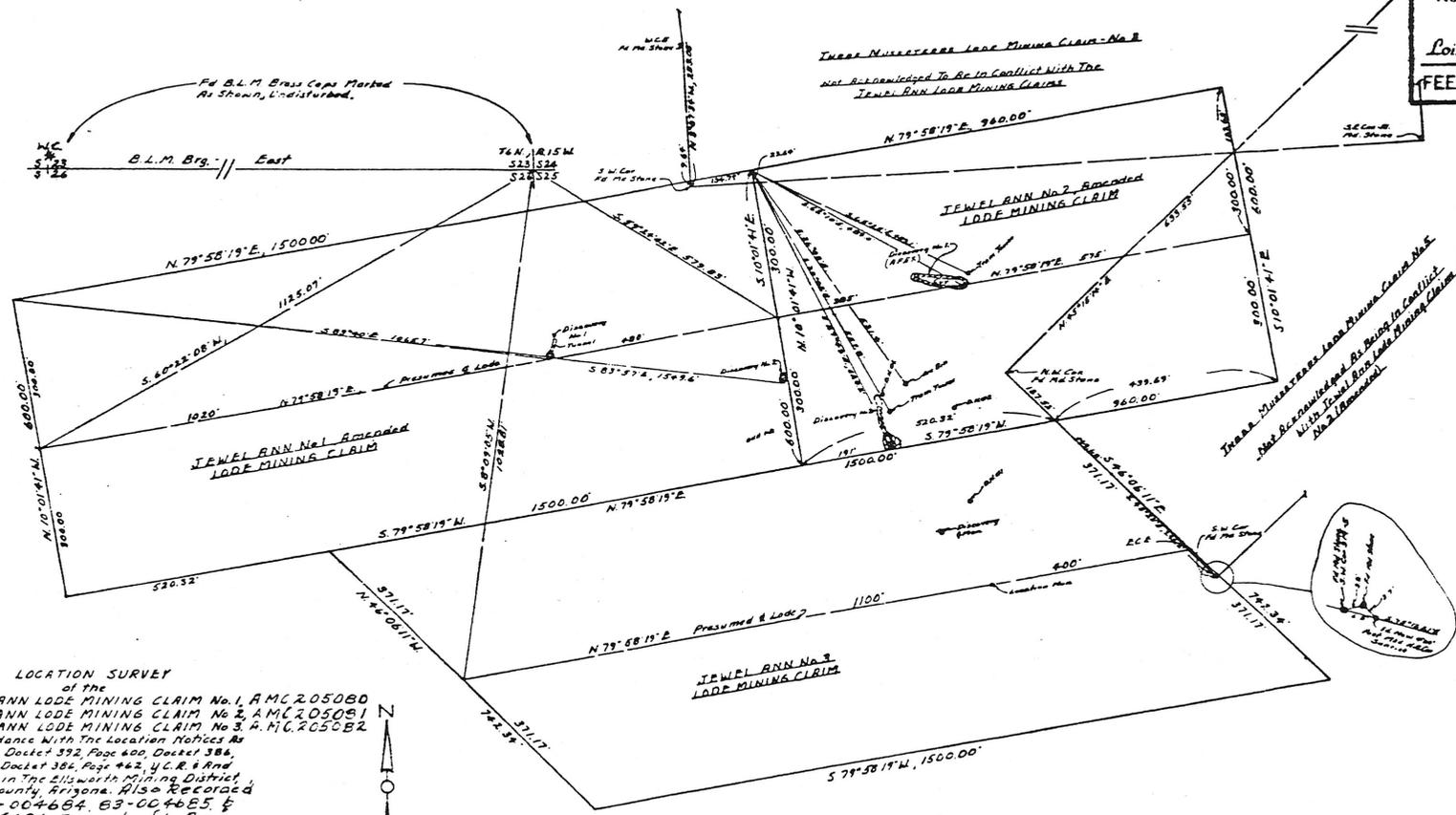
Mining Claim Map

Mining Deeds 83-005724, 83-005725
 Everett V. Cohoe owner 11-7-83

MICROFILMED
INDEXED

83-005843

RECORDED IN OFFICIAL RECORDS
 OF LA PAZ COUNTY, ARIZONA
 NOV 8 2 69 PM '83
 Lois K. Hesse, COUNTY RECORDER
 FEE 5- PGS 1



LOCATION SURVEY
 of the
 JEWEL ANN LODGE MINING CLAIM No. 1, AMCR05080
 JEWEL ANN LODGE MINING CLAIM No. 2, AMCR05081
 JEWEL ANN LODGE MINING CLAIM No. 3, AMCR05082
 in accordance with the Location Notices as
 shown in Docket 392, Page 600, Docket 386,
 Page 464, Docket 386, Page 462, U.C.R. # And
 located in the 2133rd Mining District,
 Yuma County, Arizona. Also Recorded
 in 83-004684, 83-004685, &
 83-004686, Records of La Paz
 County, Ariz.

FOR
Mr. EVERETT V. COHOE
 LOCATOR & OWNER
 5361 N. 61st AVE.
 GLENDALE, ARIZONA

Scale 1"=100'

Certification This will certify that the field work for
 Jewel Ann Lode Mining Claims No. 1, 2, and 3 was done by me
 during the period June 8 August 1983 and that the field
 work on Jewel Ann Lode Mining Claim No. 3 was done by
 Dill Hens was done by me during Sept. 1983

EUGENE SKELLEY
 2802 W. SOLANO DR. NORTH
 PHOENIX, ARIZONA

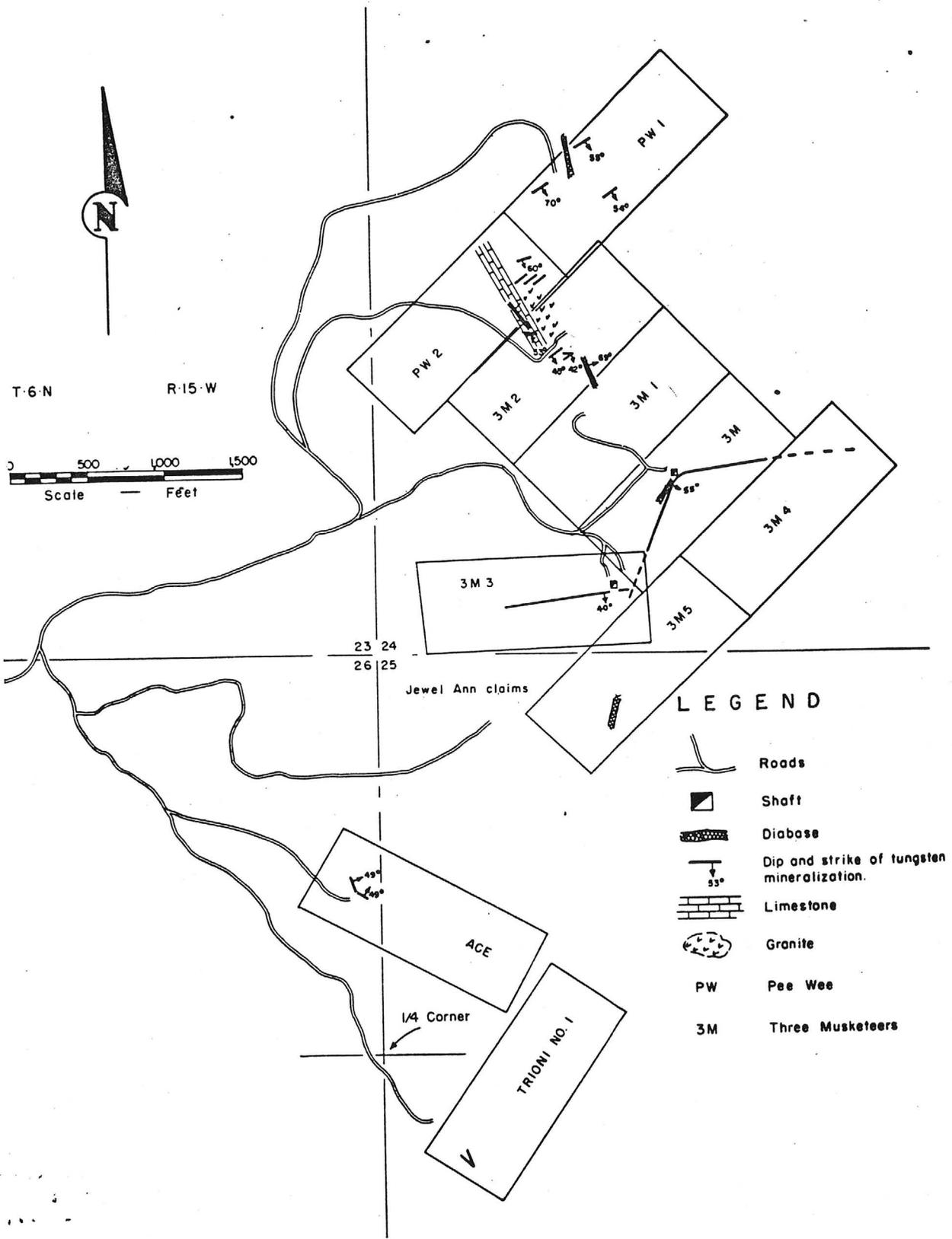
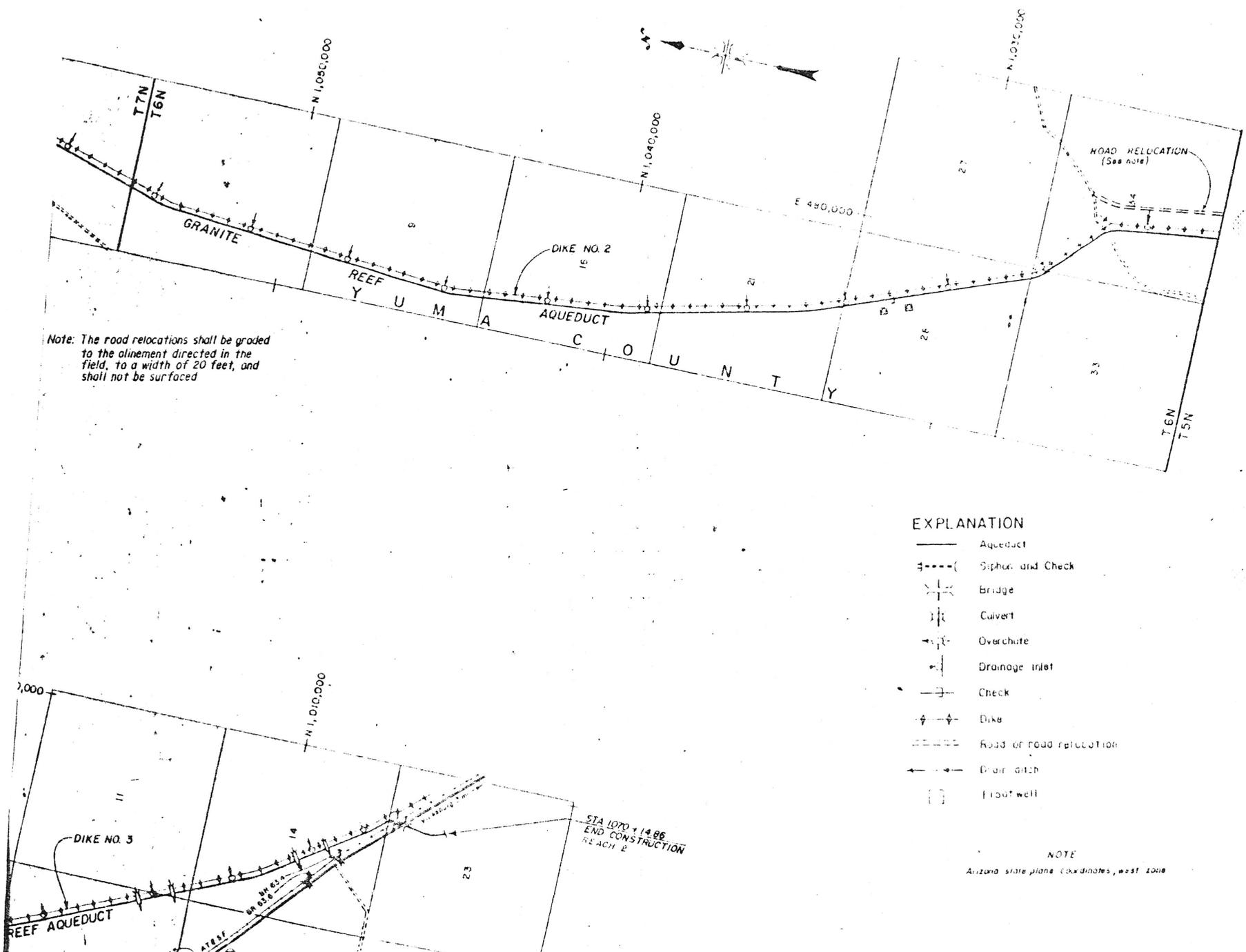


FIGURE 2. - Claim Map, Three Musketeers Area, Yuma County, Ariz.



Note: The road relocations shall be graded to the alignment directed in the field, to a width of 20 feet, and shall not be surfaced

EXPLANATION

- Aqueduct
- ⋈---⋈ Siphon and Check
- ⋈ Bridge
- ⋈ Culvert
- ⋈ Overchute
- ⋈ Drainage Inlet
- ⋈ Check
- ⋈ Dike
- Road or Road relocation
- Drain ditch
- Front well

NOTE
Arizona state plane coordinates, west zone

JEWEL ANN GROUP

YUMA COUNTY

RRB WR 10/23/81: E. V. Cohoe of the Jewel Ann at Bouse (McVay) 937-5666 wants us to call him and bring a mineral light the next time we're in the area. He is intending to start a new drift but had all his equipment stolen. He will be in Colorado until November 3.

RRB WR 11/18/83: Everett Cohoe reports that Ray Wreggit who owns the Three Musketeer claim adjoining Mr. Cohoe's Jewel Ann claims has filed the Inclination 1 thru 25 claims over the JewelAnnClaims. I suggested that he write Mr. Wreggit a registered letter informing him of this oversight and ask for a quit claim deed or other documentation to clear the title. Mr. Wreggit filed the claims as agent for Inclination Mines, P.O. Box 467, Salome, ARziona 85348.

NJN WR 9/27/85: Received two scheelite speimens from the Jewel Ann Group (f) La Paz Co. for the Arizona Mineral Museum collection. The MM numbers assigned to them were #L710 and #L711.

RRB WR 12/6/85: Visited the Jewel Ann Group - file- with owner Everett Cohoe and remained until after dark for use of UV light. An open cut on the side of the hill from which previous production came showed very prominent scheelite mineralization with minor powelite. Scheelite appears to occur in a quartz or silicified limestone-marble within a predominantly limestone environment.

U

Went with Mr. Cohoe to his 3 Jewel Ann scheelite claims 7 miles east of McVay. The adit trends N20W for 165 ft. Perhaps 25 ft. from the face $\frac{1}{2}$ "-1" stringers of quartz containing sparse scheelite are encountered and they increase in number & size as the face is approached. Probably 200 ft. above the adit +200 ft. east of it is a side-hill open-cut which has produced several hundred pounds of concentrates from a very erratic quartz vein 1'-8' in thickness in marbelized limestone. Due to the adit being advanced to 165' it was suggested it be driven an additional 75' on the present trend but if no larber exposures of scheelite were found, then turn the adit about 50°NE to come under the open-cut. This property is discussed in RI 5516. GW WR 8-31-71

Everett Cohoe came in to discuss the purchase of some 12# mine rail and cars for his scheelite property east of McVay. Machinery Center quaoated him \$150.00 per ton for the rail and \$150.00 each for 14 cuft. cars (2). It was suggested he buy the rail and look locally for a couple of cars. GW WR 12/29/71

Everett Cohoe is preparing to advance to 160 foot cross-cut on his Jewel Ann scheelite claim east of McVay. GW WR 11/8/72

Stopped at the Jewel Ann Scheelite property 7 miles east of McVay where Everett Cohoe has 3 men extending the 160 foot cross cut to the northeast. There is considerably more quartz in the face than previously, some of which has some sizeable spots of scheelite. Incidentally, the Santa Fe RR has removed the switch and siding to the McVay loading ramp, hence no more ore can be shipped from this point. GW WR 12/13/72

Everett Cohoe, Phoenix, came in to discuss his slusher ramp recently built of steel. He will install it before Christmas at his tungsten prospect 7 miles east of McVay, Yuma County. GW WR 12/15/75

RI 5516, p. 17



Arizona Testing Laboratories

817 West Madison Street □ Phoenix, Arizona 85007 □ 602/254-6181

For: Mr. E. V. Cohoe
5361 North 61st Avenue
Glendale, Arizona 85301

Date: January 11, 1984

Lab No.: 4449

Received: 1-9-84

Marked: New Adit

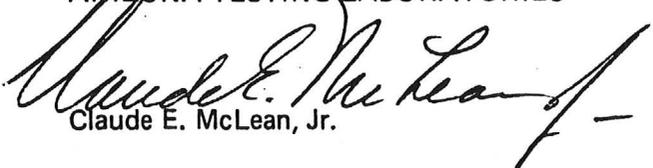
Submitted by: same

REPORT OF QUALITATIVE SPECTROGRAPHIC EXAMINATION

<u>ELEMENT</u>	<u>APPROXIMATE PERCENT</u>
Silicon	3.0
Aluminum	2.0
Magnesium	2.0
Manganese	0.03
Iron	2.0
Calcium	Major Constituent
Copper	0.002
Sodium	0.4
Titanium	0.07
Strontium	0.08

Respectfully submitted,

ARIZONA TESTING LABORATORIES


Claude E. McLean, Jr.

10
RHP
on

Stolen Equipment - Claimant: Mr. E. V. Cohoe, 5361 N. 61st Avenue,
Glendale, Arizona 85301 (602-937-5666)

Claim: Jewel Ann and Sea Y
 AMC 28327 to 28332 and 18574 to 18576
 Location: T. 6 N., R. 15 W., Sections 24, 25, 26
 T. 8 N., R. 15 W., Section 3
 T. 9 N., R. 15 W., Section 34
 Minerals: Azurite ($Cu_3(OH)_2(CO_3)_2$)
 Malachite ($Cu_2CO_3(OH)_2$)
 Scheelite $CaWO_4$
 Wulfenite $PbMoO_4$ Possible ?
 Vanadates Possible ?

Equipment stolen approximately August 1, 1981

1. Gardner - Denver Slusher, Model HEE, Serial #192969, Painted yellow
2. Wisconsin Gas Engine, 8 HP, Serial No. 2241922, Painted gray
3. Bucket for slusher - 3" piece of steel welded on lip, both sides
4. Mine car - flat, 8 to 10" wheels 18" gauge
5. 4" pulley wheel
6. Ventilation hoses and fittings



U.S. Dept. of the Interior
Bureau of Land Management
Phoenix, Dist. Office

RICHARD R. PARK
Geologist

2929 W. Clarendon Ave.
Phoenix, AZ 85017

(602) 241-2946
FTS - 261-2946

Would appreciate your looking out for these stolen items when you're in the field.

*Richard Park
Geologist B & M
Lower Site Resource Area*



Bureau of Mines
Report of Investigations 5516

TUNGSTEN DEPOSITS OF YUMA, MARICOPA,
PINAL, AND GRAHAM COUNTIES, ARIZ.

BY V. B. DALE

Jewel Ann Group

The Jewel Ann group of four unpatented lode claims is in secs. 23-26, T. 6 N., R. 15 W. The claims adjoin the Three Musketeers group on the southwest. From the McVay railroad crossing, the property is 1.2 miles northeasterly to a road fork, left northeasterly for 3.3 miles to another road fork, and hard right southeasterly 0.8 mile to the Jewel Ann ore bin (fig. 1).

The Jewel Ann No. 1 claim was located in September 1953 by Lucas L. Contreras, Everett V. Cohoe, and Richard Rowland. Claims 2 and 3 were located later by the three men. The Jewel Ann No. 4 was located in April 1956 by Contreras and Cohoe. They now (1958) are owned by Cohoe. The workings consist of an opencut about 50 feet long by 15 feet wide and 20 feet deep on the high side, an adit about 25 feet long, two small, shallow opencuts, and several small prospect holes and trenches. The opencut is near the crest of a steep rough hillside about 135 feet higher than the ore bin. An overhead tramway was installed to transport the ore to the bin.

The small, narrow stringers of white, glassy quartz on this property cut marbleized limestone. Scheelite occurs sporadically in the quartz and marble in widths ranging from 1 to 15 feet along a strike length of about 200 feet. The mineralized zone strikes generally N. 65° W. and appears to dip flatly north. A hundred tons of ore with a grade estimated at 0.5 to 0.7 percent WO_3 has been removed.

Other small occurrences of tungsten deposition were observed at three points on the claims; at two of these places sparse copper oxides were seen along fractures in the quartz and limestone.

The scheelite here does not seem to be associated with structure to the same extent as on the Pee Wee and Three Musketeers properties.

There is a diabase dike a short distance west of the large opencut.

Ace Claim

The Ace unpatented lode claim is in secs. 25 and 26, T. 6 N., R. 15 W., about 0.25 mile southwest of the Three Musketeers group. Road directions to this property are the same as those to the Jewel Ann group, except for the last quarter of a mile (figs. 1 and 2).

The claim was originally the Pacho No. 2 claim located by Merrill, Merrill and Merrill in 1952, and later, part of a group controlled by the McVay Mining Co. It was relocated a few years later by Glenn and Bolieu, and in October 1955 T. G. Bolieu, of Bouse, Ariz., again relocated the claim.

Nine short-ton units of WO_3 was produced in 1955 and 1956. The workings consist of two shallow prospect holes.

Quartz veins strike N. 10° to 60° W., and dip 40° to 50° NE. The quartz, which has intruded calcareous schist, is discontinuous and ranges from 1 inch to 2.5 feet in width.

ARIZONA TESTING LABORATORIES

A DIVISION OF CLAUDE E. McLEAN & SON LABORATORIES, INC.
 PHONE AL 3-6272 817 WEST MADISON ST. P. O. BOX 1888 PHOENIX

Chemists... Engineers

For Mr. Charles H. Dunning
 817 West Madison
 Phoenix, Arizona

Date January 8, 1957

Sample of ore

Received: -

Submitted by: same

*Jewel
 Ann*

ASSAY CERTIFICATE

Gold figured at \$35.00 per ounce.

Silver figured at \$ 0.90 per ounce.

Lab. No.	Identification	Gold		Silver		Percentages	
		Oz. per Ton	Value	Oz. per Ton	Value	TUNGSTEN (WO ₃)	
130827	no mark					1.05	



Respectfully submitted,
 ARIZONA TESTING LABORATORIES

Claude E. McLean
 Claude E. McLean

Charges: \$ 5.00

CHEMICAL RESEARCH ASSAY ORE TESTING PHYSICAL TESTING

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine JEWEL ANN GROUP Date January 17, 1963
District Ellsworth District, (Granite Wash), Engineer Lewis A. Smith
Yuma County
Subject: Interview with Cohoe, E. V., 5361 N. 61st Ave., Phoenix (1-9-63)
Report by Charles Dunning.

Property: 4 claims comprising 70 acres.

Location: 1 mile East of McVay and $3\frac{1}{2}$ miles northeast in the west foothills of the Granite Wash Mountains. (Right branch road to Anderson Mine) (Approx. S14-15, T6N, R18W.)

Owners: E. V. Cohoe, 5361 N. 61st Avenue, Phoenix.
Henry Gazin, 517 So. Orange, Scottsdale.

Work: Several cuts, the largest being 65' long and up to a maximum depth of 15 feet. One tunnel near the top of the highest peak is 35' long. A new tunnel, below the cut, to the west and 100' lower in elevation than the cut, is some 350 feet west. This is now in about 75 feet in a northeast direction. Other shallow cuts and pits are along the trend of the ore horizon. The main workings are on the Jewel Ann No. 2 claim. The ore zone has been intermittently exposed by openings for a strike length of $\frac{1}{2}$ mile.

Geology: The Central Granite Wash Mountains consist of undivided Mesozoic Sediments, consisting of shale, sandstone, conglomerate and locally marbled limestones. This is underlain, on the north end by Paleozoic (?) marbled limestone and quartzite and to the northeast and southeast by granitic intrusive rocks some of which are foliated. It is uncertain whether this deposit is in the Mesozoic or Paleozoic limestones. The Mesozoic formations strike about N25-30°W and dip 15 degrees to the northeast. The portion in the vicinity of the mine is mainly composed limestone that shows various degrees of marbleization. Here, too, it is traversed by transverse diabase dikes which trend northeast and are roughly parallel. A certain horizon in the limestone is lenticularly replaced by quartz in which tungsten (as scheelite) and barite occur. Transverse faulting has disrupted the quartz bed in at least three places. The southern most of these appears, from the photographs, to have had a considerable throw, the others having been less in throw. These faults are probably post-mineral in age. The principal lens- on the Jewel Ann No. 2 locally trends N 10-15°W and dips about 15 degrees to the east. The close-up photos indicate that the lens may continue into the mountain down the dip of the limestone, or about N 15°E. From this lens 53.06 units of W_3 were extracted and shipped. These were contained in concentrates that ran 60 percent W_3 . The lens varied from 2 to 8" wide and had been extracted for 10-15 feet in depth down the dip. The principal gangue mineral is white, glossy quartz, with lesser amounts of siderite and barite. The scheelite appears to be affiliated with the siderite. Specimens showed this clearly under the light. The siderite is well disseminated in places but is more prevalent on the fractures in the quartz. Red iron oxide stains, derived from pyrite, are present along with infrequent copper stains (mainly chrysocolla). Some blebs, or kidneys, of pure scheelite up to 1-2 inches in diameter were observed. Charles Dunning, consultant, cut a sample 8 feet long and 5 feet wide on the lens face. This assayed 1.05 percent W_3 . Dunning figured that a width of

9 feet, in one area, would average 0.75 percent. The principal exposure was exposed by a bulldozer for 150 feet in length and a cut (60' long & 15' deep) and here the replaced zone ranged from 2-8 feet wide. The lens- apparently terminated against a diabase dike and accompanying fault. The dike is 25 to 30' wide. The lower adit is entirely in marbleized limestone but near the face is changing somewhat in character. Somewhat below and between the upper workings and the lower tunnel, is a wooden bin. Previously the ore was delivered from the ore lens to this bin by a crude aerial tram. A strong fault next to the diabase dike is upthrown on the southeast side. At least 3 more diabase dikes cross the northwest trending ridge to the northwest of the fault. The southeast sides may be prospectable.

It was suggested that, since the lower tunnel would require at least 350-400 feet to reach the quartz replacement zone, core drilling would be less expensive, if the drilling was done from the northeast slope of the ridge. This should be placed on the southeast side of the diabase dikes as they possibly could have been the dams that concentrated the scheelite in lenses.

Ace Claim

25 miles SW of the ...
sec. 25-26, T. 6 N., R. 15 W.

Yuma County

reference: Arizona Dept. of Mineral Resources
Jewel Ann Group Yuma County (file)

Tungsten Deposits of Yuma, Maricopa, Pinal
and Graham Counties, Arizona by V. B. Dale
Bureau of Mines Report of Investigations 5516
U.S. Dept. of the Interior 1959

present owner: T. G. Bolieu of Bouse, Arizona
(1959 information)

previous owners: Merrill, Merrill, and Merrill
Glenn and Bolieu
McVay Mining Co.

history of the mine:

This claim was first located by
Merrill, Merrill, and Merrill in 1952.
It was then called the Pecho No. 2 claim.
The claim then became part of
the McVay Mining Co. A few years
later the ~~the~~ claim was relocated
by Glenn and Bolieu. In Oct. 1955
the claim was relocated by T. G. Bolieu
of Bouse, Arizona

geology: calcareous schist intruded by
quartz veins which are discontinuous
and ranges from 1 inch to 2.5 feet in width

minerals: WO_3

9 short ton units of WO_3 was produced in 1955-56.

Jewel Ann Group

sec. 23-26, T. 6 N., R. 15 W.

Yuma County

reference: Arizona Dept. of Mineral Resources
Jewel Ann Group Yuma County (file)

present owner: E. V. Cohoe 5361 N. 61st Ave.
Phoenix, Az.

and Henry Gazin 517 So. Orange
Scottsdale, Az.

(1963 information)

past owners: Lucas L. Contreras
Everett V. Cohoe
Richard Rowland

E. V. Cohoe

history of the mine:

The Jewel Ann No. 1 claim was located in Sept. 1953 by Contreras, Cohoe, and Rowland. Claims 2+3 were later located by the three men. Claim 4 was located in April 1956 by Contreras and Cohoe. As of 1958, the claims have been owned by Cohoe. In 1975 Cohoe installed a slusher ramp so some work was still being done. Several cuts have been made in the area.

Minerals: Scheelite (tungsten)

four unpatented lode claims

Jewel Ann Group (cont.)

Geology: The Central Granite Wash Mountains consist of Mesozoic sediments — shale, sandstone, conglomerate, and marbleized ls. (locally). These are underlain by Mesozoic or Paleozoic marbleized limestone and quartzite on the north, and to the southwest ~~by~~ and northeast by granitic intrusive rocks. The area of the mine consists mainly of limestone. The principal gangue mineral is white, glossy quartz with some siderite and barite. A certain horizon in the limestone is lenticularly replaced by quartz in which tungsten (scheelite) and barite occur. Transverse faulting has disrupted the quartz bed in at least three places. The principal lens is 1 to 2 ft. long N10-15°W and dips 15°E and varies from 2" to 8" wide.

Assay:

1.05% WO_3

NATIONAL HARDWARE & SUPPLY
BLACK ROCK MINING CORPORATION
 131 - 137 CLARKE STREET
 BISHOP • CALIFORNIA

SETTLEMENT: Final

Date: August 10, 1954

LOT No. NH-1195

Number of Sacks 9

Purchased from: Jewel Ann Mine

Box 735

Purchased from: Salome, Arizona

Purchased from: _____

Material: schreibite

Produced from: Jewel Ann Mine

Yuma County, Arizona

*This is your
copy*

Gross Weight	<u>742.5</u>	Pounds
Sack Tare	<u>5.5</u>	<u>5.5</u>
Net Weight	<u>736</u>	Pounds
Assay WO ₃	<u>65.44</u>	% WO ₃
Pounds WO ₃	<u>481.6384</u>	
Short Ton Units WO ₃	<u>24.0819</u>	
Contract Price	<u>\$60.00</u>	XXXXXXXXXX Per STU
Total Value	<u>\$1,444.91</u>	
Less assay fees	<u>11.50</u>	
Partial Settlement, Check No. <u>Less advance</u>	<u>960.00</u>	

Phosphorus 0.02% (ok)
 W₃ 65.44% (ok)

The amount of final is \$473.41. This amount is divided between Luke I. Contreras and J. F. Hicks.

Final check No. 7005 for \$236.70 to Luke Contreras
 Final check No. 7006 for \$236.70 to J. F. Hicks.

Final Settlement, Check No.
 XXXXXXXXXXXXXXXXX

Final Settlement on all lots will be paid on receipt of assay

Seller's Acceptance of THIS PAYMENT constitutes acknowledgment of Buyer's equity in this ore. Seller warrants unencumbered ownership and the right to sell and transfer this material to the Buyer.

For BLACK ROCK MINING CORPORATION

PAYMENT AND TERMS ACCEPTED

Dates & Amount of Concentrates sold.

1.	Fernstrom	Oct. 6th 1953	\$237
	120 lbs.	68.2 $\frac{5}{8}$	4.092 units \$58.00 per unit.
2.	Fernstrom	Dec. 21st 1953	\$119
	67 lbs	61.2 $\frac{7}{8}$	41.83 lbs
3.	Fernstrom	Feb. 23th 1954	\$374.49
	225 lbs.	58.4 $\frac{7}{8}$	6.57 units \$57. per unit.
4.	Hah Zhang Corp.	Aug 10th 1954	\$1433.41
	736 lbs	65.44 $\frac{7}{8}$	481.63 lbs wo ³
5.	Fernstrom	Sept. 3rd. '54	\$412.96
	220 lbs	64.8 $\frac{7}{8}$	142.56 lbs wo ³
6.	Rainbow Rock Co.	May 17th 1955	\$521.06
	334 lbs	54.67 $\frac{7}{8}$	9.133 units \$57.14 per unit.
	131		
1.	31.34 lbs. wo ³		
2.	41. lbs wo ³		4.092
3.	131.40 lbs wo ³		2.052
4.	481.63 lbs wo ³		65.70
5.	142.56 lbs wo ³		24.032
6.	182.06 lbs wo ³		7.128
	1061.19 lbs wo ³		9.133
	142.56 lbs wo ³	Hick $\frac{1}{2}$ share	53.957
	1203.75 lbs wo ³	Total sold.	
			tons & cents 103
			\$ 2.00 - 3.83.

To: Mr. E. V. Cohoe,
Phoenix, Ariz.

Jan 9, 1957

JEWELLANN MINE.

Pursuant to your request I have examined your group of four mining claims, known as the Jewellann Group, situated approximately 5 miles N 55°E from MacVay siding on the Santa Fe Parker line, in northern Yuma County, Arizona.

The purpose of the examination was to determine the feasibility of further development and production.

Geology.

The terrain consists of an old limestone formation into which numerous dykes and sills of diabase have been injected. These intrusions took place under deep-seated conditions and the limestone is quite metamorphosed in places - marbelized, twisted and faulted. Quartz and tungsten accompanied the intrusions and deposited themselves in typical irregular manner, in favorable strata or weakness planes of the limestone, and to a lesser extent generally throughout the mass. Uplift and erosion have subsequently brought this condition to the surface.

While the tungsten and the quartz are no doubt associated the tungsten mineralization is not confined to the quartz. The best concentration of tungsten minerals appears to be in certain brown margins of limestone blocks or fragments. These margins are alterations of the lime caused by the general mineralizing action, where the solutions penetrated.

The presence of quartz lenses and stringers, together with limestone fragments having brown margins, serves as an excellent "marker" for the existance of important tungsten values.

It might be mentioned here that tungsten minerals are usually deposited under deep-seated, high temperature conditions. They are not subject to leaching or secondary concentration or movement. One can therefore expect little basic change in the character or value of a tungsten deposit with depth. This does not mean that highgrade spots or lenses will not quickly pinch out. It is their unfortunate habit to do so. But, by the same token, others will come in, thus maintaining a general average in any favorable zone.

It thus becomes very important, from a sustained mining point of view, to determine and consider the overall average of a sizable exposure, and not be dependant on following the hot spots with the hope that they will continue or get better.

Development & values.

The main ore showing on the Jewelann is a flat zone, dipping about 15° into a steep hill, thus outcropping on the side hill. The main outcrop is about 150 feet long, and from 2 to 3 feet thick. An open, quarry style, excavation has been made into the outcrop for about 60 feet in length, together with two other minor cuts. From these excavations considerable commercial ore has been produced, which will be covered in more detail later.

Following the general zone along this and adjacent hillsides for about one-half mile, other important outcrops are indicated but have not been opened up.

Hangingwall of mineralized zone is shown by horizontal shovel in center of photo.
Hangingwall is sparsely mineralized limestone.
Footwall is floor of cut where wheelbarrow rests.

It is practically impossible to hand sample the ore vein or zone. The rock is very hard and the mineral occurrence very spotty. Jackhammer holes are not feasible because of the steep cliff immediately overhanging the cut. Tonnage samples would have to be taken by drilling and blasting and then crushed and worked down. However I did take one sample as shown in the photo below. This was a diagonal cut about 8 feet long, representing about 5 feet across the vein. This was a better-than-average spot but by no means a hot spot.

A cut sample was taken on a diagonal between shovels.

This sample assayed 1.05% WO_3 . With the eye trained by that sample, it would be my judgement that a fair sized mineable area would average about $3/4$ of same or .75% WO_3 . Assayers certificate is attached.

Perhaps the best sampling is the record of shipments. An accurate record of recovered WO_3 is available, but unfortunately there is no corresponding record of mined tonnage represented, nor of the head values or extraction.

Known shipments have produced approximately units of WO_3 . Detailed record is available. Amongst these shipments some were of crude concentrates made by crude apparatus on the ground; others were sorted under a lamp; and still others were as mined. A study of the size of the excavations; the probable percentage recovery in the "bailing-wire" custom mills to which ore was shipped; and the tenor of the waste dump, indicate a probable value for the whole exposure in place of .75% WO_3 which checks with the estimate made via cut sample.

One important point shown by the shipments is that the concentrates averaged well over the required 60.0% and that there were no penalty elements.

Metallurgy.

The beneficiation of sheelite ore is basically simple, but when, as is so often the case, it is over-simplified, the result is a very low extraction. In the case of the Jewelann the sheelite is usually coarse, crystalline, and fairly hard. The gangue however is very hard crystallized and silicified lime or quartz, and in an over-simplified mill the sheelite may be ground to a slime before complete mineral release, thus precluding good extraction by coars gravity methods such as jigs and tables.

I feel certain that stage grinding, by machines that will produce a minimum of slimes, followed by gravity concentration at each stage, with final tailings reground to full mineral release, and then subjected to either cone concentration or flotation, would result in a final blended concentrate fulfilling specifications, and with an overall extraction of at least 75%.

However before a mill is considered sufficient ore to justify it should be positively proved. In the meantime development expense might be lessened by sorting under a lamp; shipping a sufficient grade to the better custom mills, and stockpiling the lower grade.

5361 N. 61st Avenue
Glendale, Arizona 85301
November 16, 1983

Inclination Mines
Ray Wreggitt
Box 467
Salome, Arizona 85348

Dear Mr. Wreggitt:

It has come to my attention that in locating the twenty-five (25) lode claims for Inclination Mines in May, 1983 (located in Range 15 West township 6N Section 25, 26 and 36) you have located over the three Jewel-Ann claims located prior to your location.

I suggest that you do no assessment work or file an Affidavit of labor and Improvements Made that will include the Jewel-Ann claims.

Also, make no effort to lease or sell the Inclination Mines claims that will involve the Jewel-Ann claims in any manner.

I expect an early reply to this letter.

Sincerely,

E. V. Cohoe

E. V. Cohoe

RECEIVED
B.L.M. AZ STATE OFFICE

NOV 28 1983

7:45 A.M.
PHOENIX, ARIZONA

File 201125 AMC
File 141705 AMC

P 221 950 878
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

SENT TO		Ray Wreggitt	
STREET AND NO.		Box 467	
P.O., STATE AND ZIP CODE		Salome Ariz 85348	
POSTAGE		\$2.00	
CERTIFIED FEE		75¢	
SPECIAL DELIVERY		¢	
RESTRICTED DELIVERY		1.00¢	
SHOW TO WHOM AND DATE DELIVERED		60¢	
SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY		¢	
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		¢	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY		¢	
TOTAL POSTAGE AND FEES		\$2.55	
POSTMARK OR DATE		NOV 17 1983	

PS Form 3800, Apr. 1976

PS Form 3811, Dec. 1980

● **SENDER:** Complete items 1, 2, 3, and 4.
 Add your address in the "RETURN TO" space on reverse.

(CONSULT POSTMASTER FOR FEES)

1. The following service is requested (check one).
 Show to whom and date delivered —¢
 Show to whom, date, and address of delivery .. —¢
 2. **RESTRICTED DELIVERY** —¢
 (The restricted delivery fee is charged in addition to the return receipt fee.)

TOTAL \$ 1.00

3. **ARTICLE ADDRESSED TO:**
 Inclination Minas
 Ray Wreggitt
 Box 467 Salome Ariz 85348

4. **TYPE OF SERVICE:** **ARTICLE NUMBER**
 REGISTERED INSURED P221
 CERTIFIED COD 950-878
 EXPRESS MAIL

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE Addressee Authorized agent
 Mike Wreggitt

5. **DATE OF DELIVERY**
 11-25-83

6. **ADDRESSEE'S ADDRESS (Only if requested)**

7. **UNABLE TO DELIVER BECAUSE:** 7a. **EMPLOYEE'S INITIALS**

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SALOME ARIZ
 NOV 25 1983
 USPO

RECEIVED
B.L.M. AZ STATE OFFICE

JAN 09 1984

7:45 A.M.
PHOENIX, ARIZONA

5361 N. 61st Avenue
Glendale, Arizona 85301
December 16, 1983

Ray Wreggitt
Box 467
Salome, Arizona 85348

Dear Mr. Wreggitt:

I mailed a letter to you on November 16, 1983 concerning your locating at the (25) lode claims for the Inclination Mines. These were located over the (3) Jewel-Ann claims located prior to your location.

To date I have not received a reply to my letter. I now want a letter of abandonment for the area covered by the (3) Jewel-Ann claims.

I expect this letter of abandonment by return mail.

Sincerely,

Everett V. Cohoe

Everett V. Cohoe

BLM 141705 FMC
BLM 201125 FMC

POST OFFICE COMPLETION	REGISTERED NO.	B092-072-989	
	Reg. Fee \$	3 30	Special Delivery \$
	Handling Charge \$		Return Receipt \$
	Postage \$	20	Restricted Delivery \$
RECEIVED BY		<i>K. Bowler</i>	<input type="checkbox"/> AIRMAIL
MAILING OFFICE			
CUSTOMER COMPLETION (Please Print)	FULL VALUE \$	N.V.	
	FROM	<i>Everett V Cohoe</i>	
		<i>5361 N 61st Ave</i>	
		<i>Glendale Az</i>	
TO	<i>Ray W. Wreggitt</i>		
	<i>Box 467</i>		
	<i>Salome Az</i>		

PS FORM 3806 RECEIPT FOR REGISTERED MAIL (Customer Copy)

POSTMARK OF
GLENDALE
AZ
DEC 16 1983

STATE OF ARIZONA, } ss. I hereby certify that the within instrument was filed and recorded
 County of LA PAZ, 1984, at AUG 15 4 03 M. at the request of WIA '84
 In Docket No. N/A Page _____
M. ALBERT
 When recorded mail to: INCLINATION MINES Witness my hand and official seal.
Box #67 Lois K. Hanes County Recorder
SALOME, AZ 85348 N/A Deputy Recorder
 Fee: \$ 5-
1-



AFFIDAVIT OF PERFORMANCE OF ANNUAL WORK

State of Arizona }
 County of LA PAZ } ss. **COPY AS TO FILING DATA ONLY RECEIVED**

1. INCLINATION MINES INC. Name **B.L.M. AZ STATE OFFICE**
BOX 467 Address AUG 16 1984
SALOME City AZ State 7:45 A.M. Zip 85348

being duly sworn according to law deposes and says that PHOENIX, ARIZONA the United States more than eighteen years of age and that all of the facts set forth in this affidavit are true and correct according to the best of their knowledge, information and belief.

2. That they are personally acquainted with the mining claim named TRANSVERSE LOPE #1-10, INCLINATION #1-25, TRANSVERSE #1-5, TRANSVERSE #16-30 Ellsworth Mining District, LA PAZ County, Arizona, the location of which is recorded in the office of the County Recorder of that County in Book _____, Page _____, Notice of location is posted in Section _____, Township _____, Range _____, G&SRB&M.

3. That between the dates of JULY 15, 1983 and JULY 15, 1984 at least EIGHTEEN THOUSAND (\$ 18000.00) dollars worth of work and improvements were done and performed upon this claim not including location work.

4. The work and improvements were made by and at the expense of INCLINATION MINES INC., BOX 467, SALOME, AZ, 85348, owners of the mine for the purpose of complying with the laws of the United States pertaining to assessments or annual work.

5. RAY A. WREGGITT, MIKE WREGGITT, SCOTT FADROWSKI, UNIVERSAL DRILLING were the names of the persons employed by the owner who labored to do the work and improvements.

6. The work and improvements done were DRILLING, ROADWORK, BULK SAMPLING METALURGY BY HAZEN LABORATORIS DENVER, COLOARDO 1100 FEET, 6 1/2" HOLES DRILLED TO 250 PLANK

Dated August 14, 1984 INCLINATION MINES INC. Signature Mike Wreggitt

Subscribed to and sworn before me, a Notary Public, this 15th day of Aug, 1984, by Mike Wreggitt

My Commission expires _____
 OFFICIAL SEAL
BUSANNA OLGUIN
 NOTARY PUBLIC STATE OF ARIZONA
 LA PAZ COUNTY
 My Comm. Expires 12.6.1987
 Notary Public

TRANSVERSE LODE #1 THRU #10, TRANSVERSE #1 THRU #5,

TRANSVERSE #26 THRU #34, INCLINATION #1 THRU #25

A CONTIGUOUS GROUP OF UNPATENTED MINING CLAIMS LOCATED
 IN TOWNSHIP 6 NORTH, RANGE 14 WEST, SECTION 23 AND TOWNSHIP
 6 NORTH, RANGE 15 WEST, SECTIONS 23, 24, 25, & 26, ELLSWORTH
 MINING DISTRICT, LA PAZ COUNTY, ARIZONA.

NAME	DOCKET & PAGE	NAME	DOCKET & PAGE	A7C
TRANSVERSE LODE #1	1004-956 19014	INCLINATION #1	83-003353	201125
TRANSVERSE LODE #2	1004-958 19015	INCLINATION #2	83-003354	201126
TRANSVERSE LODE #3	1004-959 19016	INCLINATION #3	83-003355	201127
TRANSVERSE LODE #4	1004-960 19017	INCLINATION #4	83-003356	201128
TRANSVERSE LODE #5	1004-961 19018	INCLINATION #5	83-003357	201129
TRANSVERSE LODE #6	1004-962 19019	INCLINATION #6	83-003358	201130
TRANSVERSE LODE #7	1004-963 19020	INCLINATION #7	83-003359	201131
TRANSVERSE LODE #8	1004-964 19021	INCLINATION #8	83-003360	201132
TRANSVERSE LODE #9	1004-965 19022	INCLINATION #9	83-003361	201133
TRANSVERSE LODE #10	1004-966 19023	INCLINATION #10	83-003362	201134
		INCLINATION #11	83-003363	201135
TRANSVERSE #1	83-006605 214523	INCLINATION #12	83-003364	201136
TRANSVERSE #2	83-006606 214524	INCLINATION #13	83-003365	201137
TRANSVERSE #3	83-006607 214525	INCLINATION #14	83-003366	201138
TRANSVERSE #4	83-006608 214526	INCLINATION #15	83-003367	201139
TRANSVERSE #5	83-006609 214527	INCLINATION #16	83-003368	201140
		INCLINATION #17	83-003369	201141
TRANSVERSE #26	83-006610 214528	INCLINATION #18	83-003370	201142
TRANSVERSE #27	83-006611 214529	INCLINATION #19	83-003371	201143
TRANSVERSE #28	83-006612 214530	INCLINATION #20	83-003372	201144
TRANSVERSE #29	83-006613 214531	INCLINATION #21	83-003373	201145
TRANSVERSE #30	83-006614 214532	INCLINATION #22	83-003374	201146
TRANSVERSE #31	83-006615 214533	INCLINATION #23	83-003375	201147
TRANSVERSE #32	83-006616 214534	INCLINATION #24	83-003376	201148
TRANSVERSE #33	83-006617 214535	INCLINATION #25	83-003377	201149
TRANSVERSE #34	83-006618 214536			

RECEIVED
 B.I.M. AZ STATE OFFICE

AUG 16 1984

7:45 A.M.
 PHOENIX, ARIZONA



Susanna Olguin
 Notary Public

Mike Wright



United States Department of the Interior

BUREAU OF RECLAMATION
ARIZONA PROJECTS OFFICE
SUITE 2200 VALLEY CENTER
201 NORTH CENTRAL AVENUE
PHOENIX, ARIZONA 85073

IN REPLY
REFER TO
780.

330-1000

MAR 21 1984

Mr. Everett V. Cohoe
5361 North 61st Avenue
Glendale, Arizona 85301

Dear Mr. Cohoe:

Thank you for your recent letters concerning access to your mining claims over the McVay Road crossing of Reach 2, Granite Reef Aqueduct.

Since this reach of the aqueduct is located on lands administered by the Bureau of Land Management (BLM) we coordinated our design data requirements with BLM's Phoenix District Office, prior to construction of the aqueduct in 1977. This coordination culminated in our agreeing to construct a bridge over the aqueduct and relocate a portion of an existing dirt trail (McVay Road) to provide continued access for BLM and public land users. Enclosed for your reference, is a copy of our Drawing No. 344-330-710 entitled "Location Map," which indicates the location of the bridge and road. It is our understanding that maintenance of roads over public lands for mining claimants and other users, is the responsibility of the public land users. Accordingly, we believe that we have fulfilled our responsibilities to provide for continued use of Federal lands by constructing the bridge and relocating the road.

Because of safety and security reasons, and possible increased liability, we cannot approve your request for permission to use the aqueduct operation and maintenance road or the top of the flood prevention dike for access to your mining claims.

Sincerely,

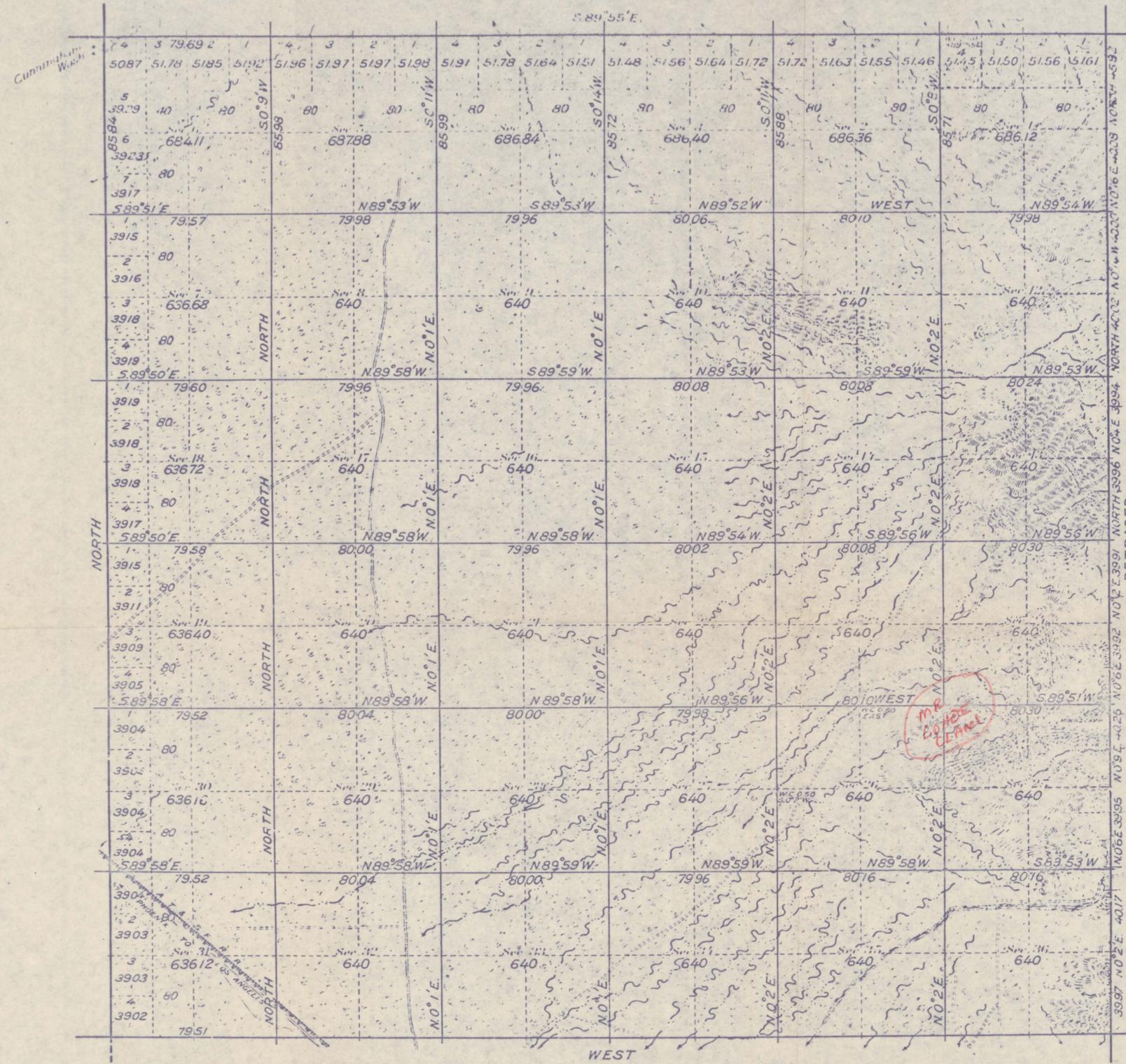
FOR Edward M. Hallenbeck
Project Manager

Enclosure

cc: Mr. Marlyn Jones, District Manager, Phoenix District Office,
2015 West Deer Valley Road, Phoenix, Arizona 85027 (w/copy of
enclosure and incoming letters)

Township No 6 North Range No 15 West, Gila and Salt River Meridian, Arizona.

2704



Indications of valuable mineral deposits in Secs 24 and 25.

Areas in Acres	
Public Land	23,299.79
Indian Reservation	
Indian Allotments	
Mineral Claims	
Water Surface	
Total Area	23,299.79

LAT 33° 48' 39" N
LONG 113° 46' 6" W

Scale 40 Chains to an inch
Mean Magnetic Declination 15° 07' E.

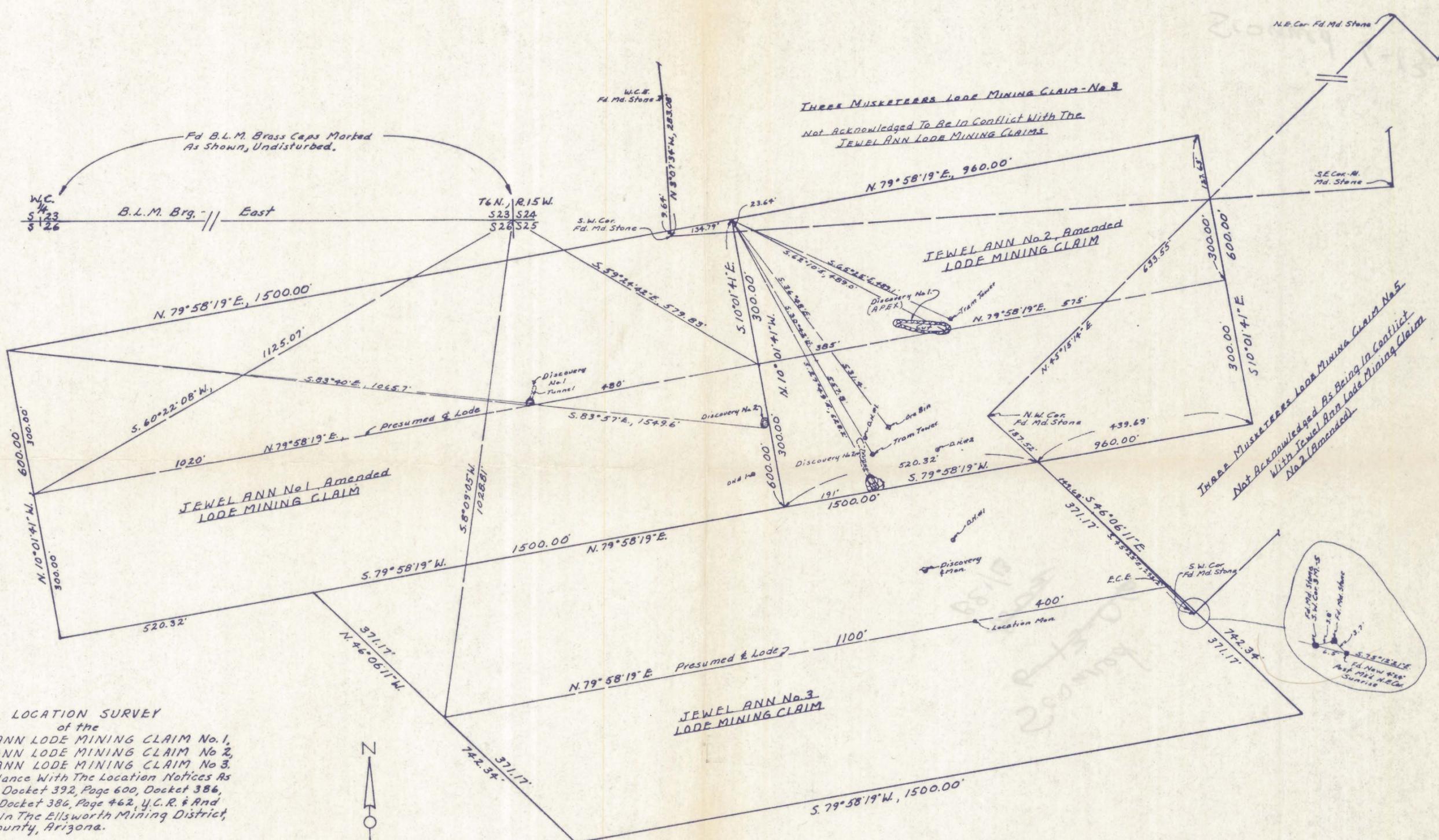
Surveys Described	By Whom Surveyed	No.	Setup Date	Amount of Surveys Mls. chs. lks.	When Surveyed Begin Completed
East Bdy Retraced				Complete	Feb 12, 1923
South Bdy Surv	W. H. Thorn, USCE			Complete	Jan 23, 1923 Jan 30, 1923
West Bdy Surv	and Ty White, U.S.T.	115	May 20, 1921	Complete	Jan 30, 1923 Feb 1, 1923
North Bdy Surv				Complete	Feb 1, 1923 Feb 12, 1923
Sub lines Surv				Complete	Jan 30, 1923 Feb 16, 1923

The above map of Township No 6 North Range No 15 West of the Gila and Salt River Meridian, Arizona is strictly conformable to the field notes of the survey thereof on file in this office which have been examined and approved

U. S. Surveyor General's Office
Phoenix, Arizona, April 22, 1924

Charles M. Douche,
Surveyor General.

Note: A 4"x4" Wood Post In A Mound Of Stone Was Set For Each Of The Corners, End Centers And Location Points Of The Jewel Ann Lode Mining Claims Shown Hereon.



THREE MUSKETEERS LODE MINING CLAIM - No. 3
 Not Acknowledged To Be In Conflict With The
 JEWEL ANN LODE MINING CLAIMS.

THREE MUSKETEERS LODE MINING CLAIM No. 5
 Not Acknowledged As Being In Conflict
 With Jewel Ann Lode Mining Claim
 No. 2 (Amended)

JEWEL ANN No. 1 Amended
 LODE MINING CLAIM

JEWEL ANN No. 2, Amended
 LODE MINING CLAIM

JEWEL ANN No. 3
 LODE MINING CLAIM

LOCATION SURVEY
 of the
 JEWEL ANN LODE MINING CLAIM No. 1,
 JEWEL ANN LODE MINING CLAIM No. 2,
 JEWEL ANN LODE MINING CLAIM No. 3.
 In Accordance With The Location Notices As
 Shown In Docket 392, Page 600, Docket 386,
 Page 461 & Docket 386, Page 462, U.C.R. & And
 Located In The Ellsworth Mining District,
 Yuma County, Arizona.

FOR
MR. EVERETT V. COHOE
 LOCATOR & OWNER
 5361 N. 61ST AVE.
 GLENDALE, ARIZONA



Scale, 1" = 100'

CERTIFICATION: This will certify that the field work for
 JEWEL ANN LODE MINING CLAIMS No. 1 & 2 was done by me
 during March, June & August 1964 and that the field
 work for the JEWEL ANN LODE MINING CLAIM No. 3 & The 4
 Drill Holes was done by me during Sept. & October, 1967

Eugene Skelley
 Surveyor

E.V. GENE SKELLEY
 2802 W. SOLANO DR. NORTH
 PHOENIX, ARIZONA

