



CONTACT INFORMATION
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Arizona Geological Survey
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Tucson, Arizona 85701
520-770-3500
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

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James Doyle Sell Mining Collection

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JD 5

ASARCO EXPLORATION RECORD

FIELD EXAMINATION LITERATURE SEARCH ASARCO FILE _____

Section I General Indexing

① Name(s) of Property or Area Hart Mountain Area					② Country USA		③ State or Province Arizona	
					④ USGS Quad. Cibola SE			⑤ File or Core No.
⑥ Latitude 33°17'33"	⑦ Longitude 114°35'	⑧ AMS Sheet Salton Sea	Township 1S	Range 23W	Section 36	⑨ Examined by M.A. Miller		⑩ Date 3/22/91
						⑪ Office SWED		⑫ Field Days 1

Section II Sources of Information

Date Typed 4/8/91

⑬ References	Date	Title	Publications	Vol. No.
John van Geldern, E.M.	10/30/87	Summary Evaluation Report - Hart Mine Gold		
Mission Minerals - Associated Assay Reports				

Section III Appraisal

⑭ Recommendations <input type="checkbox"/> Action Now <input checked="" type="checkbox"/> Too Low Grade <input checked="" type="checkbox"/> Too Small <input type="checkbox"/> Ownership Problem <input type="checkbox"/> Access Problem	⑮ <input type="checkbox"/> Post Producer <input type="checkbox"/> Producer <input type="checkbox"/> Mineral Deposit <input checked="" type="checkbox"/> Prospect	<input type="checkbox"/> Geologic Concept <input type="checkbox"/> Geochem Anomaly <input type="checkbox"/> Geophy Anomaly	⑯ Production Commodity Tons Grade Au? ? ?		
			⑰ Reserves <input type="checkbox"/> Measured Commodity <input type="checkbox"/> Estimated Tons Grade None _____ _____		
⑱ Num. Drill Holes _____ Approx Total Footage _____		⑲ Excavations 2 small adits, several small pits			
<input type="checkbox"/> Spectro. Analysis Attached		<input checked="" type="checkbox"/> Assays Attached		<input type="checkbox"/> Geochem Results Attached	

Section IV Geologic Data

⑳ Commodity or Contained Metals	Au		
㉑ Ore Minerals-Major	Au	Minor _____	
㉒ Host Rocks-Major	Granites, Diabase?	Minor _____	
㉓ Age of Host Rocks	?	_____	
㉔ Nature of Exposures	As outcrop on Hart Mountain		
㉕ Alteration	None seen, but strong hematite in fault zones.		
㉖ Total Extent			
㉗ Structure No obvious structure other than 6" to 3' quartz vein/fault.			
㉘ Ore Occurrence	Associated with quartz vein as free gold. Visible gold seen in piece of hematized quartz		
㉙ Age of Mineralization			
㉚ Conclusions & Recommendations	No action recommended, the lack of alteration precludes a sizeable drill target.		

ASARCO

Exploration Department
Southwestern United States Division

April 5, 1991

Mr. Robert L. Williams, Jr.
President
Mission Minerals Group, Inc.
212 N. Market #307
Wichita, KS 67202

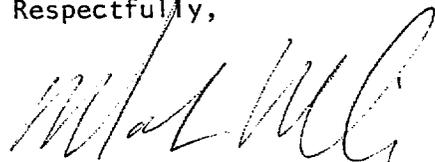
Dear Robert:

Thank you for allowing us the opportunity to review your Hart Mine property in La Paz County, Arizona. As I told you during our visit, Asarco would not be interested in the property.

I enjoyed meeting you and your associates and please keep us informed of your progress, or if you turn up other prospects.

Good Luck!

Respectfully,



Mark A. Miller
Geologist

MAM:mek
Att.

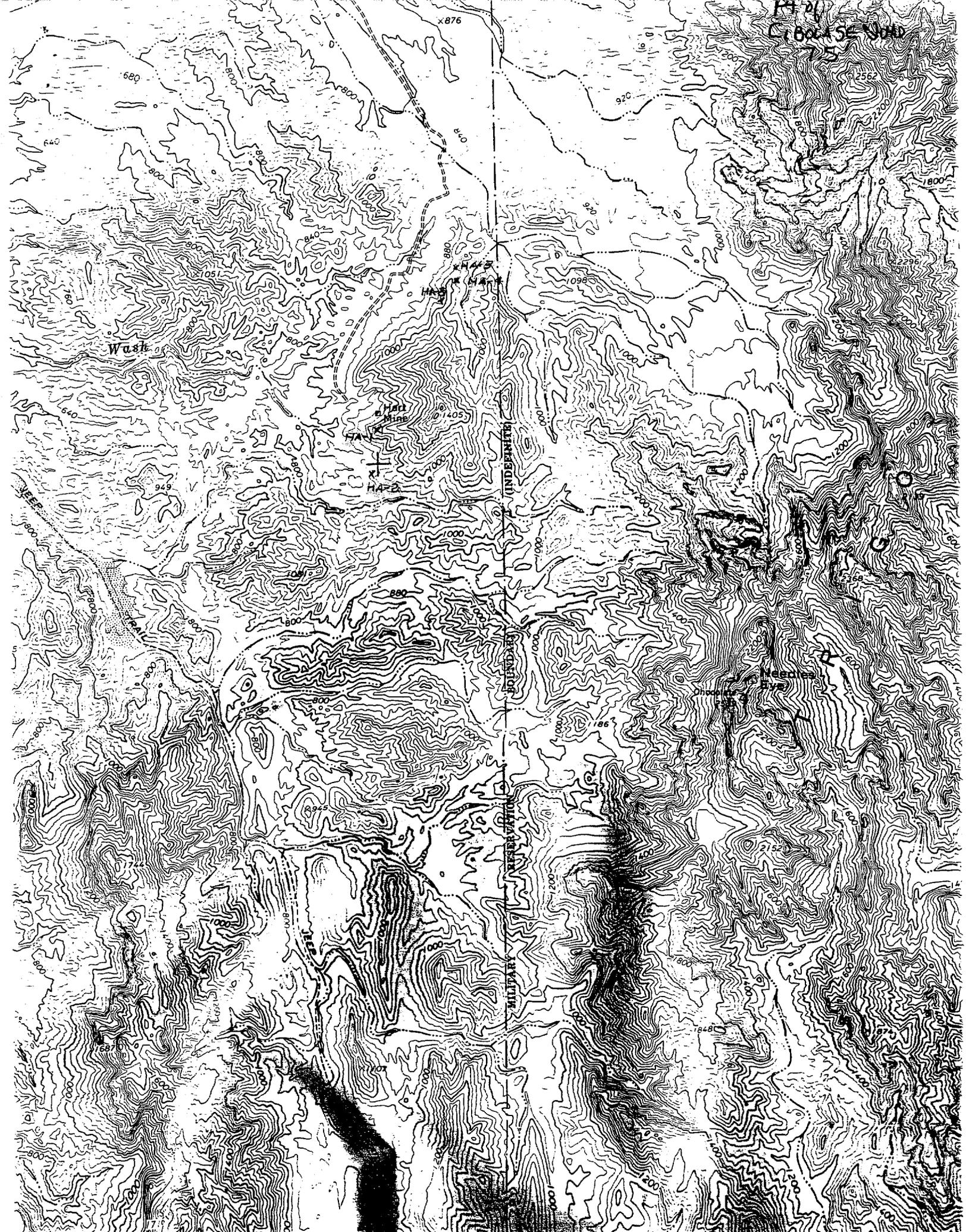
CC: JDS

HART MINE AREA

La Paz County, Arizona

(Au in ppb)

- HA-1 Road Cut - Biogneiss - fractured, possibly weakly altered random chip through road cut. (<5)
- HA-2 Felsic unit interbedded with meta basalts 10' random rock chip. (7)
- HA-3 Hematite on fracture surfaces grab sample from 1-2' altered area, little sericitic alteration. (6)
- HA-4 N40°E, V. Quartz vein and/or fault structure. Abundant hematite, visible gold associated with hematite. Pit sampled is 25' x 5'. Sampled 6' vein. (377)
- HA-5 N10°E 25-30°W ±48' long exposure of hematized granite, trace CuOx. Grab sample (random). (12)



FT 21
CROSSING

x876

Wash

MINE

UNDERMINE

UNDERMINE

WASH

ANALYSIS REPORT

Handwritten: H.M.T.N
Y.M.L.



**American
Assay
Laboratories**

RENO: 1500 Glendale Ave, SPARKS 89431
P.O. Box 71060, RENO 89570
Ph (702)356 0606 Fax 3561413

ASARCO, INC.

REPORT : SP 010946 1 Page(s) Date : 03/29/91

Client reference : H-MTN-1/5 Project : MISSION MINING

Cost code :

Copies to : MARK MILLER-INVOICE
J.D. SELL-RESULTS

Samples : Type Preparation code
Received : 03/27/91 -----

Analysis	Code	Quality Parameter	Detection	Units
Au	FA30	Acc. 15 %	5	ppb
Au(R)	FA30	Acc. 15 %	5	ppb

JDS

ASARCO EXPLORATION RECORD

FIELD EXAMINATION LITERATURE SEARCH ASARCO FILE _____

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<input type="checkbox"/> Spectro. Analysis Attached		<input checked="" type="checkbox"/> Assays Attached		<input type="checkbox"/> Geochem Results Attached			

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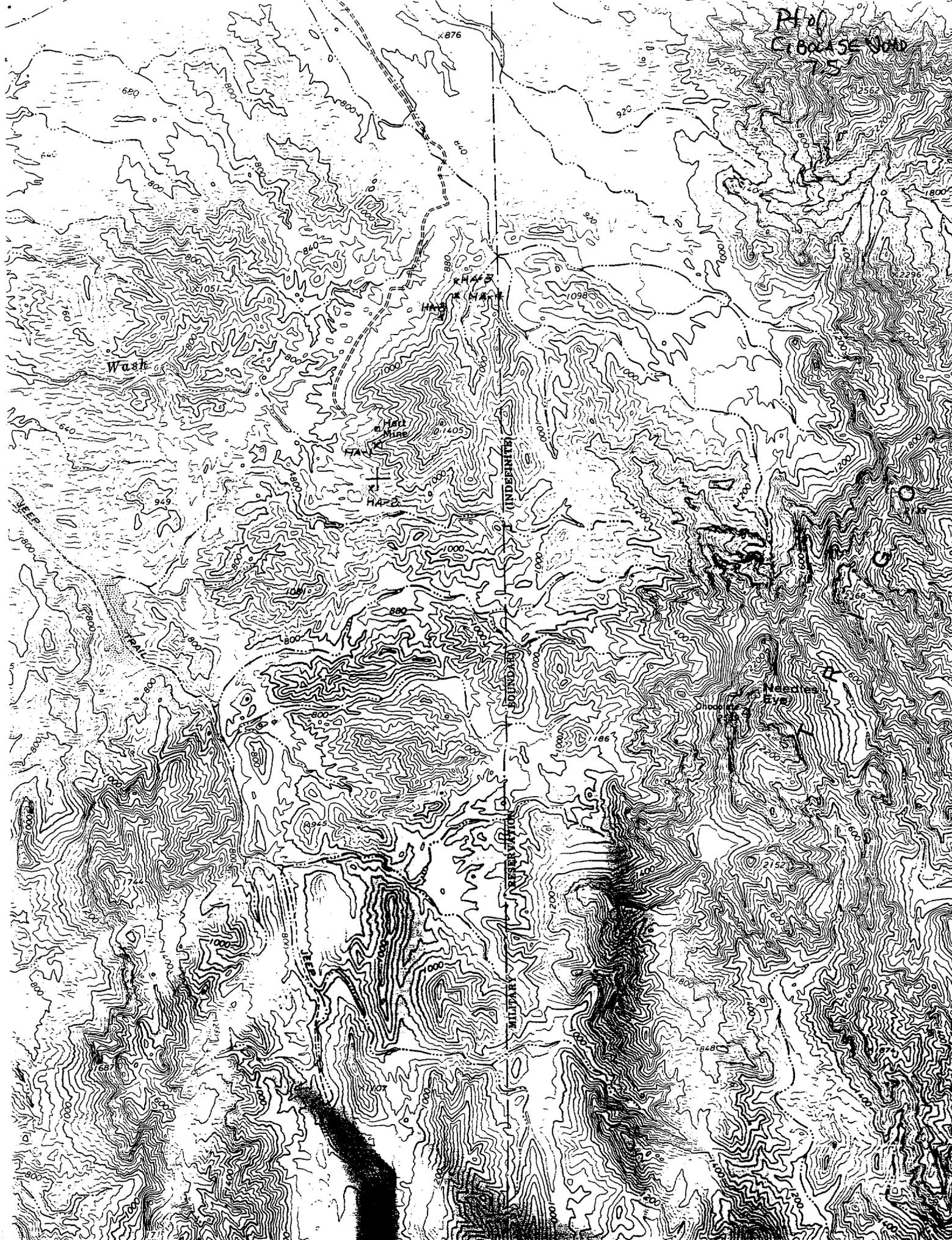
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R40
C. BOASE 300
75



ANALYSIS REPORT

*HAD MTN
Yuma, AZ*



**American
Assay
Laboratories**

RENO: 1500 Glendale Ave, SPARKS 89431
P.O. Box 71060, RENO 89570
Ph (702)356 0606 Fax 3561413

ASARCO, INC.

REPORT : SP 010946 1 Page(s) Date : 03/29/91

Client reference : H-MTN-1/5 Project : MISSION MINING

Cost code :

Copies to : MARK MILLER-INVOICE

J.D. SELL-RESULTS

Samples : Type Preparation code
Received : 03/27/91 -----

Analysis	Code	Quality Parameter	Detection	Units
Au	FA30	Acc. 15 %	5	ppb
Au(R)	FA30	Acc. 15 %	5	ppb

ANALYSIS REPORT



**American
Assay
Laboratories**

REPORT : SP 010946

Page 1 of 1

Sample	Au ppb	Au(R) ppb
H-MTN 1	<5	
H-MTN 2	7	
H-MTN 3	6	9
H-MTN 4	377	389
H-MTN 5	12	

Please refer to the cover sheet for further analysis details.

ANALYSIS REPORT



AMERICAN
Assay
Laboratories

RENO: 1500 Glendale Ave, SPARKS 89431
P.O. Box 71060, RENO 89570
Ph (702)356 0606 Fax 3561413

ASARCO, INC.

REPORT : SP 010946 1 Page(s) Date : 03/29/91

Client reference : H-MTN-1/5 Project : MISSION MINING

Cost code :

Copies to : MARK MILLER-INVOICE

ASARCO incorporated

J.D. SELL-RESULTS

APR 4 1991

SW Exploration

Samples : Type Preparation code
Received : 03/27/91 -----

Analysis	Code	Quality Parameter	Detection	Units
Au	FA30	Acc. 15 %	5	ppb
Au(R)	FA30	Acc. 15 %	5	ppb

Signatory : Jorge Ugarte

NA

1001 1st Ave, SPARKS 89431
89-070
1413



ASARCO Incorporated

MAR 29 1991

SW Exploration

XEROX COPY MAM

Signature

PRELIMINARY REPORT

BY

DATE

TIME

TEST

RESULT

REMARKS

NO.

QTY

UNIT

PRICE

TOTAL

TAXES

NET

GROSS

NET

PRELIMINARY REPORT

RENO: 1500 Glendale Ave, SPARKS 89431
 P.O. Box 71060, RENO 89570
 Ph (702)356 0606 Fax 3561413

ASARCO, INC.

REPORT : SP 010946 1 Page(s) Date : 03/28/91

Client reference : H-MTN-1/5 Project : MISSION MINING

Cost code :

Copies to : MARK MILLER-INVOICE

J.D. SELL-RESULTS

Samples : Type Preparation code
 Received : 03/27/91 -----

Analysis	Code	Quality Parameter	Detection	Units
Au	FA30	Acc. f15 %	5	ppb
Au(R)	FA30	Acc. f15 %	5	ppb

Comments :

DTF=DATA TO FOLLOW

ASARCO Incorporated

MAR 28 1991

SW Exploration

Signatory : Jorge Ugarte

PRELIMINARY REPORT

REPORT : SP 010946

Page 1 of 1

Sample	Au ppb	Au(R) ppb
H-MTN 1	<5	
H-MTN 2	7	
H-MTN 3	6	9
H-MTN 4	DTE	
H-MTN 5	12	

Please refer to the cover sheet for further analysis details.

ASARCO Inc.

MAR 28 1991

SW Exploration

March 18, 1991

M.A. Miller

Hart Mine
Sec. 36, T1S, R23W
Trigo Mountains
Cibola SE, 7½' Quad.
Yuma County, AZ

Mr. Jess Skaggs, San Diego, California, phone: 619/549-6975, and Mr. Bob Williams, Wichita, Kansas, phone: 316/265-6977, of Mission Minerals, an Arizona Corporation, say they have 100 claims in Sections 24, 25, part of 35, and 36, T1S, R23W, Yuma County, Arizona.

The road to the Hart Mine is about a ¼ mile south of the Cibola cemetery on the Cibola Road, some 34½ miles south of Ehrenberg off Interstate 10.

Mr. Skaggs says they are on the Orocochia detachment zone similar to the Mesquite, Padre-Madre, and Picacho deposits on the west side of the river.

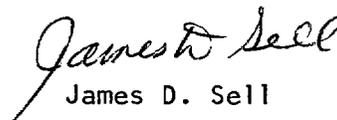
Check our files for information.

Skaggs and Williams will be working the property during the latter part of March.

They will be staying at the Sahara Motel, Blythe, California, phone: 619/922-7105, room 34, starting Wednesday evening, March 20.

Catch up with them and see/sample the main zone and regional setting.

JDS:mek
Att.


James D. Sell

cc: W.L. Kurtz

To Sell
Date 3-13 Time 1:30 AM PM

WHILE YOU WERE OUT

M. Jess Skaggs
of _____

Phone (619) 549-6975
Area Code Number Extension

TELEPHONED	<input checked="" type="checkbox"/>	PLEASE CALL	<input checked="" type="checkbox"/>
CALLED TO SEE YOU	<input type="checkbox"/>	WILL CALL AGAIN	<input type="checkbox"/>
WANTS TO SEE YOU	<input type="checkbox"/>	URGENT	<input type="checkbox"/>

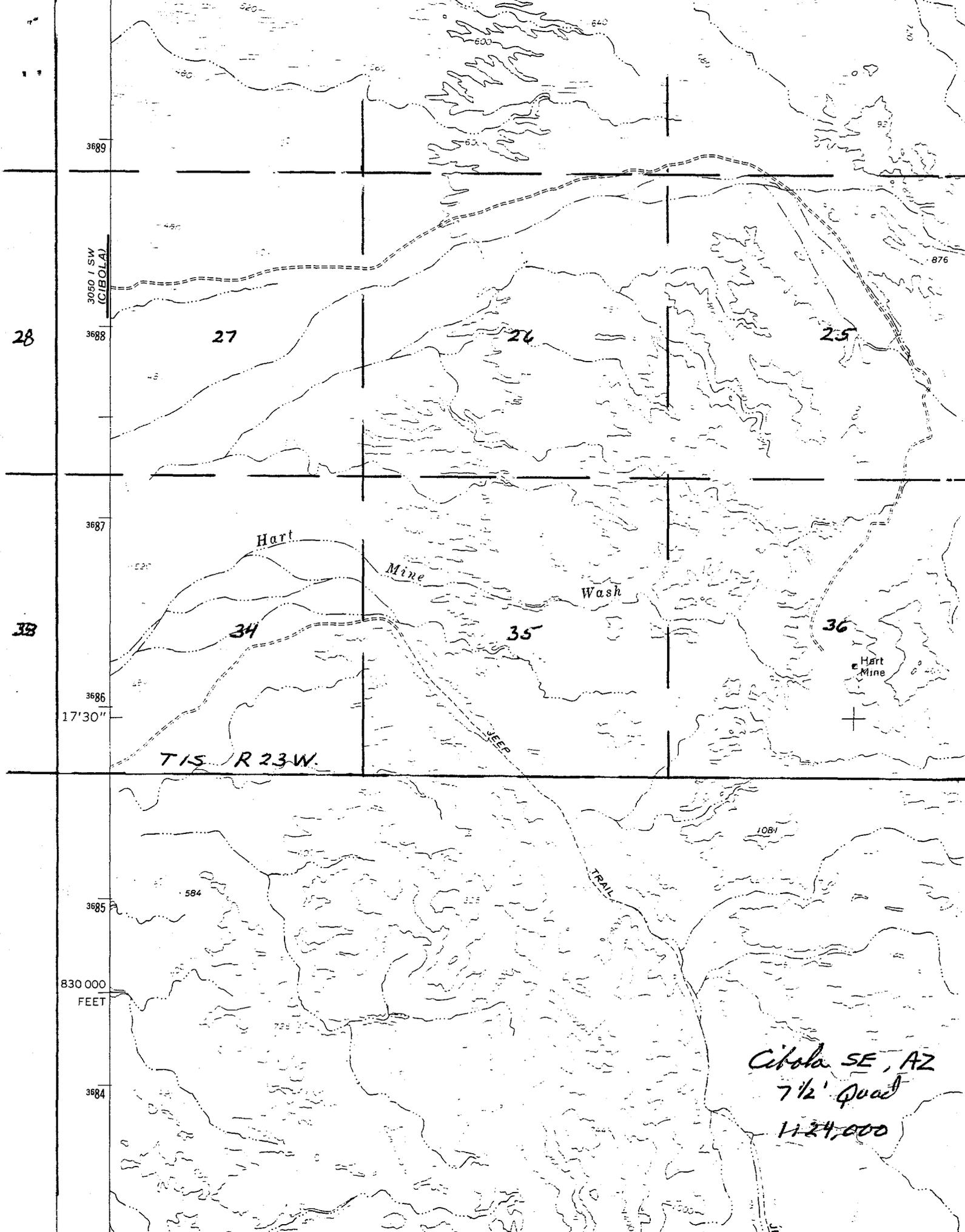
RETURNED YOUR CALL

Message Dr. Bruce Moore
part of geology UTKY
will be thru Friday
(at property) (associate)

Operator BW



REORDER #23-000



28

27

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33

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35

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T1S R23W

Cibola SE, AZ
7 1/2' Quad
1124,000