



CONTACT INFORMATION
Mining Records Curator
Arizona Geological Survey
416 W. Congress St., Suite 100
Tucson, Arizona 85701
520-770-3500
<http://www.azgs.az.gov>
inquiries@azgs.az.gov

The following file is part of the
James Doyle Sell Mining Collection

ACCESS STATEMENT

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

CONSTRAINTS STATEMENT

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

QUALITY STATEMENT

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

TAB

Rawhide

Agreement of

Authorization Request

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

March 9, 1972

FILE MEMORANDUM

Meeting with Inspiration
Inspiration, Arizona
March 8, 1972

Mr. Sell and I met with Messrs. Olmstead, Von Boeck and Kuhn to discuss Asarco's participation in exploration of Inspiration's claims in the Hutton Peak Area (approx. 135 claims). Inspiration's claims lie immediately east of Asarco-controlled ground.

I suggested a joint venture agreement in which, because of Asarco's ability to make premineral drill penetrations, Asarco-Inspiration share the costs of at least the first two drill holes (either 50/50 or 60 Asarco/40 Inspiration). Further, that Asarco would have the right to build up its equity in the property to between 45-55%. It is currently estimated that Inspiration has spent somewhere between \$350,000 and \$500,000 on the property (most of this work has been fruitless because of their inability to make premineral bedrock penetrations).

Mr. Olmstead agreed to present this proposal to his N.Y. office. Mr. Olmstead stated that Inspiration might be willing to joint venture their claims on the north end of the Dacite Plateau and I encouraged him to make us a proposal.


W. L. Kurtz

WLK:lad

cc: JDSell 
RBCrist

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

April 10, 1972

FILE MEMORANDUM

SUPERIOR EAST
INSPIRATION CLAIMS
HUTTON PEAK AREA
PINAL COUNTY, ARIZONA

Hugh Olmstead informed me today that Hyde reviewed Asarco's proposal shortly after the March 8, 1972 meeting. He was negative to our proposal and thought Asarco should watch Inspiration's investment. Hyde was to write us a letter.

I asked Olmstead to explore with Hyde how a joint venture might be arranged and to have Hyde send us a letter with those conditions for our review and consideration.

WLK:sg

cc: JDSell 
RBCrist

W. L. Kurtz
W. L. Kurtz *pad*

TO

JDS / RBC

FROM

SUBJECT

Inspiration

DATE May 16 1972

MESSAGE

Collins met with Hyde. Things look favorable - Hyde's lawyer going over agreement - Hecox wants some changes
Collins see Hyde in 10 days to finalize.

SIGNED

Katz

~~REPLY~~

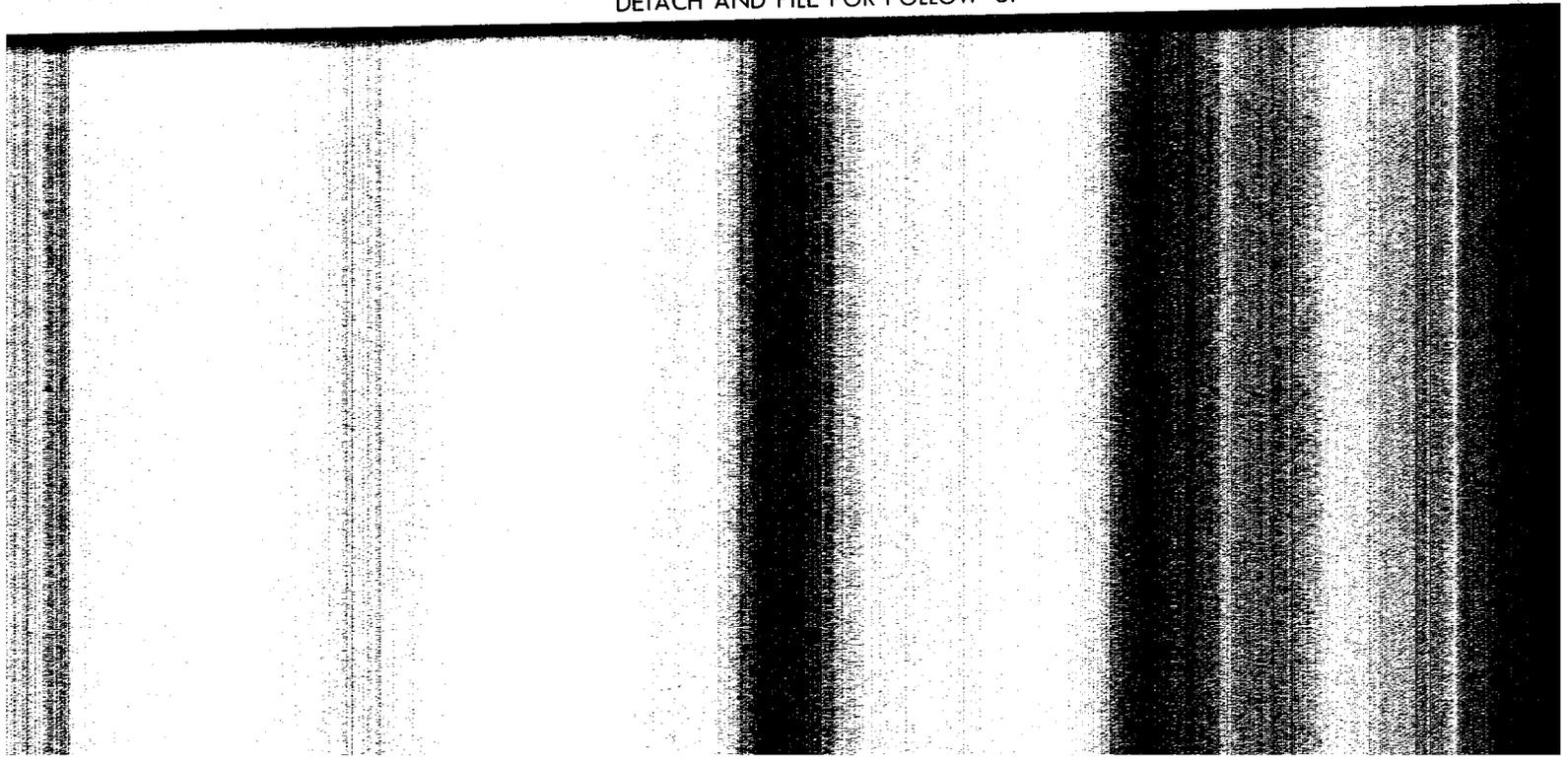
SIGNED

DATE / /

SEND PARTS 1 AND 3 WITH CARBON INTACT - PART 3 WILL BE RETURNED WITH REPLY.

Rediform® 45 472

DETACH AND FILE FOR FOLLOW-UP



AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

April 25, 1972

FILE MEMORANDUM

Superior East
Inspiration Joint Venture

ASARCO spend \$300,000 to earn 25%
ASARCO spend total \$500,000 to earn 45-50%

First two holes have agreement of Olmstead (Inspiration), on where they will be drilled.

Above terms were obtained April 13, 1972, during a telephone conversation with Hugh Olmstead.

W. L. Kurtz

WLK:lad

cc: JDSell 
RBCrist

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

May 4, 1972

Mr. J. J. Collins
Director of Exploration
New York Office

Dear Mr. Collins:

Enclosed are two copies of a tentative agreement with Inspiration Consolidated Copper Company involving 89 unpatented lode mining claims which we recently discussed with you. After you and the Legal Department have reviewed this agreement, would you kindly call Mr. Richard R. Hyde, Vice President, ICC, to discuss and agree upon terms mutually satisfactory to Asarco and Inspiration.

Since a draft of the agreement was given to Mr. Hugh Olmstead on April 29, 1972, and subsequently forwarded to Mr. Hyde, several modifications have been made by our local attorney.

Very truly yours,

W. L. Kurtz

WLK:lad
Attachs.

cc: RBCrist
JDSell 
Hugh Olmstead,
ICC, Miami, Ariz.
Richard R. Hyde,
ICC, NYC

JDS

Return to RBC

Rawhide Project
ICCC / ASPRO
8/7/73

JACK DESVEAUX CALLED IN REGARD TO
THE RAWHIDE AGREEMENT.

He Rec'd The Exhibits A & B.

This Agreement will be presented to the
Advisory Committee tomorrow - 8/8/73.

of the original commitment of \$150,000
Approx \$10,000 has been expended to date.

We will owe ICCC Approx \$10,000
for last years Assessment work (cash outlay)
Drilling costs have increased. (\$25,000)

Therefore they will ask for \$50,000
as a supplement to the present EA.

-RBC.

Excellent

JDS

JDS
Rawhide Project

OFFICE OF THE SECRETARY

New York, N.Y., August 15, 1973

Mr. J. J. Collins

The following is an extract from the minutes of the Advisory Committee Meeting held August 8, 1973:

Inspiration Consolidated Copper Joint Venture
Rawhide Project
Pinal County, Arizona

At its meeting of August 30, 1972, the Committee approved execution of a Letter of Intent, dated August 25, 1972, summarizing terms of an agreement with Inspiration Consolidated Copper Company concerning a group of claims adjoining Aearco's property in Arizona.

The detailed agreement, having been completed and accepted by Inspiration Consolidated Copper Company, was submitted and approved for execution.

J. F. Hornbostel, Jr.
Assistant Secretary

JFH:lm
Enc.
FGHamrick
HJStringham
JNCourtright
WLFurtz
RBCrist ✓



AMERICAN SMELTING AND REFINING COMPANY
EXPLORATION DEPARTMENT
120 BROADWAY, NEW YORK, N.Y. 10005

W. L. K.
AUG 28 1972

JOHN J. COLLINS
DIRECTOR OF EXPLORATION

August 25, 1972

Mr. Richard R. Hyde, Vice President
Inspiration Consolidated Copper Co.
25 Broadway
New York, N.Y. 10004

Dear Mr. Hyde:

In accordance with our telephone conversation, I return herewith a copy of "Summary of Terms of Agreement between Inspiration and Asarco," dated August 25, which I have signed as a letter of intent in advance of a formal agreement covering these terms. I understand you will counter-sign one copy and return it to me, so that field work may begin in the near future. Meanwhile our Legal Department will start to prepare a comprehensive agreement for your consideration. I look forward to a mutually happy and profitable venture.

Sincerely yours,

John J. Collins

Endorsed:

Inspiration Consolidated Copper Co.



AMERICAN SMELTING AND REFINING COMPANY
EXPLORATION DEPARTMENT
120 BROADWAY, NEW YORK, N.Y. 10005

JOHN J. COLLINS
DIRECTOR OF EXPLORATION

August 25, 1972

Summary of Terms of Agreement Between Inspiration and Asarco

1. Inspiration Consolidated Copper Company ("Inspiration") owns claims in Pinal Co., Arizona which are listed in Schedule A attached ("Inspiration Claims"), and it is in the desire of Inspiration and American Smelting and Refining Company ("Asarco") that Asarco conduct programs of exploration on the Inspiration Claims on behalf of both parties.
2. Inspiration will grant Asarco the right to conduct exploration on the Inspiration Claims and Asarco, in consultation with Inspiration, will plan, execute, and be manager of the exploration programs, except as provided in paragraph 5 below and as long as the agreement is not terminated.
3. Asarco shall bear all costs of its exploration expenditures on the Inspiration Claims under this agreement until such time as it has expended \$500,000. *Asarco has right to cease making expenditures at any time (covered in 7)*
4. When expenditures hereunder by Asarco reach \$500,000, Inspiration shall convey a 45% interest in the Inspiration Claims to Asarco. Asarco, at its option, may thereafter elect to continue exploration and development of the Inspiration Claims and in such case, Asarco's further exploration expenditures shall be jointly borne or advanced by Inspiration and Asarco in the ratio of 55% by Inspiration and 45% by Asarco, subject to 6 below.
5. Asarco having expended \$500,000 on the Inspiration Claims and having earned a 45% interest therein in accordance with 4, shall have the right to elect not to continue exploration and development programs thereon. Such election by Asarco shall be irrevocable. Inspiration shall thereafter, have the right, in consultation with Asarco, to manage and control all further exploration and development. In the event Inspiration has further expenditures as manager, the same shall be borne or advanced 55% by Inspiration and 45% by Asarco, subject to 6 below.

6. Inspiration shall have the right to elect not to contribute its proportionate share of Asarco's further expenditures under paragraph 4 above, or to contribute only a portion of its proportionate share (and Asarco shall have the right to make a similar election should Inspiration continue as manager in accordance with paragraph 5 above). Such an election not to contribute or to reduce its percentage contribution once made by either party, shall be irrevocable and the percentage interest of the party so electing shall thereafter be progressively reduced in accordance with an appropriate mathematical formula as further expenditures are made by the continuing party.
7. Asarco may terminate the agreement at any time with no obligations other than those accrued to the effective date of termination, but in the event of such termination by Asarco, it shall relinquish all interest in the Inspiration Claims.
8. Failure of Asarco to spend \$500,000 on the Inspiration Claims within 7 years from the date of the agreement shall constitute a default in which case Inspiration may terminate the agreement and Asarco shall have no further rights or interest in the Inspiration Claims.
9. In the event that Asarco, in consultation with Inspiration, determines that a commercial ore body occurs, in, or partly in, the Inspiration Claims, Asarco shall continue further exploration and development work so as to determine the grade and tonnage of ore in accordance with accepted engineering standards. In the event that such ore extends beyond the limits of the Inspiration Claims on to contiguous claims owned or controlled by Asarco, Asarco shall also carry out (entirely at its own expense and direction) such exploration and development as may be required to determine the tonnage and grade of such extension or extensions (as hereinafter defined) on to Asarco ground ("Asarco extension ore"). Once the tonnage and grade of ore in the Inspiration Claims ("Inspiration ore") and of the Asarco extension ore have been determined by Asarco, it shall report fully thereon to Inspiration and the development phase of the agreement shall end and the operating phase begin.
10. Extension or extensions of ore on to Asarco ground ("Asarco extension ore") shall mean ore directly contiguous or continuous with Inspiration ore, or separate bodies of ore on Asarco ground which are located adjacent or near bodies of Inspiration ore, to the extent that good mining practice would indicate that such Asarco extension ore should be jointly exploited with Inspiration ore. Completely separate ore bodies on Asarco ground, which in accordance with good mining practice can be commercially exploited independently of ore bodies in the Inspiration Claims are not to be considered Asarco extension ore.

*Reduce in proportion to Ratio
of Expenditures made by both
parties.*

11. The operating manager (as hereinafter defined) may elect to place the Inspiration ore and Asarco extension ore into joint commercial production on the following basis:

- (a) Operating manager shall be determined by the relative gross tonnages of Inspiration ore and Asarco extension ore. Inspiration shall be the operating manager if Inspiration ore tonnage exceeds Asarco extension ore tonnage, and vice versa.
- (b) The form of operation shall be that of a joint venture under management of the operating manager. If Inspiration ore only is involved, i.e., if no Asarco extension ore exists, the two parties shall jointly bear all operating phase expenditures (including development expenditures) in the same ratio as their respective participating interests in the Inspiration Claims, and shall have the right to receive portions of the products of the operation in the same ratio. If Inspiration ore and Asarco extension ore both exist, then all development and operating expenditures shall be divided as follows: Asarco shall bear 100% of such Asarco extension ore expenditures, and shall receive 100% of such portion of the products of the joint venture as are calculated to be attributable to Asarco extension ore. Asarco and Inspiration shall share the Inspiration ore expenditures and the proportion of products of the joint venture attributable to Inspiration ore in accordance with the ratio of their participating interests in the Inspiration Claims.

Accounting Procedures will require specific handling of cross-over deal in Joint Venture Mng & Pdt. Equipment.

? Ope. Mgr. Fee

12. The manager, in both the development and operation phase, shall be entitled to include in development and operating expenditures (including pre-production expenditures), a sum to cover its general overhead equal to 5% of the actual exploration development and operating expenditures; provided that Asarco as exploration manager shall not charge such 5% on the first \$500,000 of its expenditures hereunder.

13. The agreement shall include standard provisions for definitions of "exploration expenditures," "development," "pre-production expenditures," "operating expenditures," etc.; reports by manager to the other party; access to data and records of the manager; general accounting procedures; insurance; arbitration; force majeure; notices, vertical sidelines; and such other terms as the parties may agree to include.

13. The agreement shall include standard provisions for definitions of "exploration expenditures," ^{"development"} "pre-production expenditures," "operating expenditures," etc.; reports by manager to the other party; access to data and records of the manager; general accounting procedures; insurance; arbitration; force majeure; notices; vertical sidelines; and such other terms as the parties may agree to include.
14. Expenditures made by Inspiration on the Inspiration Claims after July 1, 1972, and until the date of execution of a formal agreement shall be subject to the agreement. Inspiration shall consult with Asarco about such expenditures and carry them out for Asarco's account. Upon execution of the Agreement, Asarco shall reimburse Inspiration for such expenditures.
15. During the term of the Agreement, Asarco shall perform required assessment work on the Inspiration Claims subject to its right of termination.

The END

SIGNED

INSPIR

A S A

TO

PBC / JDS

FROM

W. L. K.

AUG 30 1972

SUBJECT

Inspiration

DATE

/ /

MESSAGE

Approved in principal. Letter intent sent to Hyde for counter signing. July 1st

We will pick up inspiration expenses (after signing of formal agreement).

Actually probably sent out to continue road work until after signing of formal agreement.

SIGNED

REPLY

Hugh Olmstead called Aug 30 & stated that Hyde informed him that the letter has been signed & the final is forthcoming. Hugh will terminate the work being done by Rusty more and turn the project over to us.

JDS

SIGNED

DATE

/ /



AMERICAN SMELTING AND REFINING COMPANY
SOUTHWESTERN EXPLORATION DIVISION
P. O. BOX 5747, TUCSON, ARIZONA 85703

May 9, 1975

1150 NORTH 7TH AVENUE
TELEPHONE 602-792-3010

Mr. Hugh Olmstead
Inspiration Consolidated Copper Co.
Inspiration, Arizona 85537

Dear Hugh:

Re: Your letter May 6, 1975.

We have no intent of applying any drilling charges incurred off your property to Asarco's equity. We do believe certain charges incurred off the "Rawhide" claims are applicable to Asarco's equity. These would be charges incurred to gain access to the "Rawhide" claims to conduct the physical work — to date one drill road is the only such charge. I'm sure you agree with this.

I am having a short project summary prepared and should have it to you sometime next week.

Very truly yours,

W. L. Kurtz
Manager of Exploration

WLK:lb

cc: JDSell ✓
RBCrist

FROM: W. L. KURTZ

Paulide

9-V-78

TO: FTG

ok to make letter amendment
to CC-ASAP agreement
changing date to 1 Dec 83
rather than 1 Dec 80.

Everything else remains the same

FROM: W. L. KURTZ

Paulide

9-V-78

TO: ~~FTG~~ JDSELL

ok to make letter amendment
to CC-ASAP agreement
changing date to 1 Dec 83
rather than 1 Dec 80.

Everything else remains the same

If successful we will drill
A-11 north of A-9, but
better get permits for both
roads.

FTG.

cc. JDS

FROM: W. L. KURTZ

Paulide

9-4-78

To: FTG

ok to make letter amendment
to ICE-ASTPAC agreement
changing date to 1 Jan 83
rather than 1 Jan 80.

Everything else remains the same

cc. JDS ✓

FROM: W. L. KURTZ

July 14

To: JDS / ~~RBE~~

Pauline

JJ Collins requests NOT
to assay any Pauline
cuttings at this time.

Please comply

J. O. S.

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

August 21, 1972

Mr. J. J. Collins
Director of Exploration
New York Office

Mining Authorization Request
Asarco/Inspiration
Rawhide Project
Pinal County, Arizona

Dear Sir:

I enclose Mr. Sell's report recommending that Asarco participate in the exploration of the Crook and OS claims located immediately east of our Superior East Project and owned by Inspiration Copper Company.

We believe two valid and high priority exploration targets exist in this claim area. One is a secondarily enriched porphyry copper, beneath the dacite and Whitetail conglomerate cover, associated with the southern margin of the Schultze granite; and the other is porphyry copper mineralization contiguous with that discovered by Asarco in drill hole A-2(2W).

1) Copper mineralization in Asarco drill hole A-2(2W). The porphyry copper mineralization discovered by Asarco in drill hole A-2(2W) has demonstrated that secondary enrichment can occur beneath the dacite and Whitetail cover. The leached capping with remnant chalcocite occurs within a gravity slide block. This slide block is interpreted as originating from a major porphyry copper deposit. The basement rocks beneath the gravity slide are mineralized Precambrian Pinal schist and Laramide quartz monzonite containing 620 feet averaging 0.31% copper (as primary chalcopyrite and bornite with minor secondary chalcocite in the upper 210'). We interpret these mineralized basement rocks as being peripheral to the main porphyry copper center. We believe the predominately leached, mineralized slide block has moved from the east and has not moved a great distance. Until offset holes to the porphyry copper discovery in A-2(2W) are drilled, the geometry and geographic distribution of the copper mineralization remain unknown. Part of the porphyry copper zone discovered in A-2(2W) may lie within the Inspiration claim boundary. This possibility in itself is sufficient to justify our joint venturing the Inspiration ground.

2) Southern margin of Schultze granite. Though to date the productive mines of the Globe-Miami district lie along the northern margin of the Schultze granite, a large pervasively altered and mineralized zone occurs at the southern margin of the Schultze granite six miles east of the proposed

August 21, 1972

project area. Though this porphyry copper deposit is submarginal in grade (probably due to deep erosion), it demonstrates that porphyry coppers can occur along the southern margin of the Schultze granite. Within the project area we would be searching for a chalcocite enriched porphyry copper that has been protected by the dacite and Whitetail conglomerate cover.

Details of a joint venture agreement with Inspiration are being worked out by Mr. Hecox. The general terms call for Asarco to spend \$500,000 over a seven-year period to earn a 45% interest in Inspiration's Crook and OS claims. Asarco is not contributing any land to the joint venture.

Attachment A in Mr. Sell's report shows the general land status and the initial two proposed drill holes. Attachment B (cross sections) shows the interpreted subsurface geology.

I concur with Mr. Sell that two 4,000' drill holes represent a minimum test of the Inspiration ground. One hole could be scheduled for 1972 and one for 1973. Total costs assignable to this minimum test are estimated at \$150,000.

If you agree, please request a Mining Authorization for \$150,000. Forms 302-M and 302-MA are attached.

Mr. Courtright has reviewed this proposal and is in agreement with the proposed exploration.

Respectfully submitted,


W. L. Kurtz

WLK:lad
Encs.

cc: JHCourtright - w/encs.
RBCrist - w/encs.
JDSell - w/o encs. 
ADCoumides - w/forms 302-M & 302-MA

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

August 18, 1972

TO: W. L. Kurtz

FROM: J. D. Sell

ASARCO-ICC Joint Venture
Rawhide Project
Pinal County, Arizona

Recommendations

Based on structural implications, configuration of the Schultze Granite projecting under the dacite cover, and the encouraging results obtained in ASARCO drill hole A-2 (A-2W), it is recommended that several holes be drilled on claims controlled by Inspiration Copper Company under an ASARCO-ICC joint venture program.

The initial phase is based on two holes, each 4,000 feet in depth, AI-1 to test for porphyry copper alteration-mineralization along the southern edge of the Schultze Granite, and AI-2 to test for alteration-mineralization contiguous with that discovered in drill hole A-2 (A-2W).

Introduction

The CROOK and OS claims, controlled by Inspiration, lie over and easterly from Rawhide Canyon. The block is south of the fee land around Pinal Ranch and east of ASARCO's Margaret group (Attachment A). All the claims are underlain by post-mineral dacite which in turn is underlain by a variable thickness of Whitetail Conglomerate. Under the conglomerate, the north half of the joint venture area is underlain by premineral Schultze Granite while the south half is underlain by premineral diabase and Pinal Schist.

Inspiration has drilled five holes in the area, based on the interpretation of "deep" I.P. results. Their first hole (AOF-1) was drilled on the south end of the claim group to test the I.P. anomaly. ICC reported intercepting weakly pyritized (less than 0.5% total sulfides) diabase and Pinal Schist at a depth of 2939 feet. It is debatable that the reported sulfides could produce a recognizable anomaly at this depth through the overlying units. The next four holes were placed along the projection of the southern boundary of the Schultze Granite and all failed to penetrate through the post-mineral cover. From west to east, the holes, depth, and final unit penetrated are: AOF-3, 122 feet ending in dacite; AOF-2, 3058 feet ending in Whitetail; AOF-4, 835 feet ending in dacite; and AOF-5, 1755 feet ending in Whitetail.

Inspiration is presently rebuilding a road south of Hutton Peak to the proposed drill site AI-1 near Rawhide Canyon. The site is located in a central part of their large "I.P. anomaly".

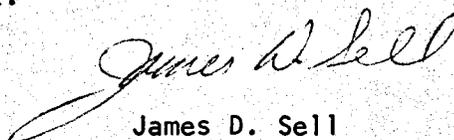
Attachment B contains two cross-sections through ASARCO drill holes and across the ICC claims and the proposed drill sites. Section A-A¹ is east-west through ASARCO's drill hole A-4 which contained an impressive thickness of native copper in Whitetail Conglomerate, a well-mineralized Paleozoic limestone slide block, strongly mineralized Paleozoic limestone bedrock (with specularite and low copper values), and weakly altered and mineralized quartz monzonite porphyry of the Schultze Granite. Also shown is the offset of the premineral units by movement along the various fault structures and the geology as anticipated in the joint venture drill hole AI-1. This drill hole will test for porphyry copper mineralization along the southern boundary of the Schultze Granite.

Section B-B¹ runs northwesterly to southeasterly from ASARCO's drill holes M-1A and A-2, and through the second proposed drill hole AI-2. As shown, ASARCO's drill hole A-2 contains an oxidized and leached quartz monzonite slide block which is interpreted to have originated a short distance easterly. The drill hole penetrated bedrock alteration-mineralization in Pinal Schist cut by numerous dikes and masses of quartz monzonite. The entire bedrock interval was variably mineralized with the total sulfide intercept averaging 0.31% copper. Attachment C is a graphic log with assays of the lower portion of DDH A-2W. Proposed hole AI-2 will test the suspected root zone area from which the well altered and mineralized slide block originated.

Recent isopach and structural studies suggest that a steep structure might be paralleling the southern boundary of the Schultze Granite south of Hutton Peak. The southwesterly trending structure has been named the "Hutton fault" on the cross-sections. As shown in Section B-B¹, the Hutton fault terminates upward at the base of the Whitetail Conglomerate. As the fault does not outcrop, it is unknown as to how far this feature goes to the southwest. It is possible that an offset fault trending northerly is connected by the Hutton fault to the mapped fault on the east side of the claim group area. This would place an uplifted block under Hutton Peak and a relatively depressed block in the area of the proposed drill hole AI-2. In that event, the top of bedrock would be near 3,000 feet.

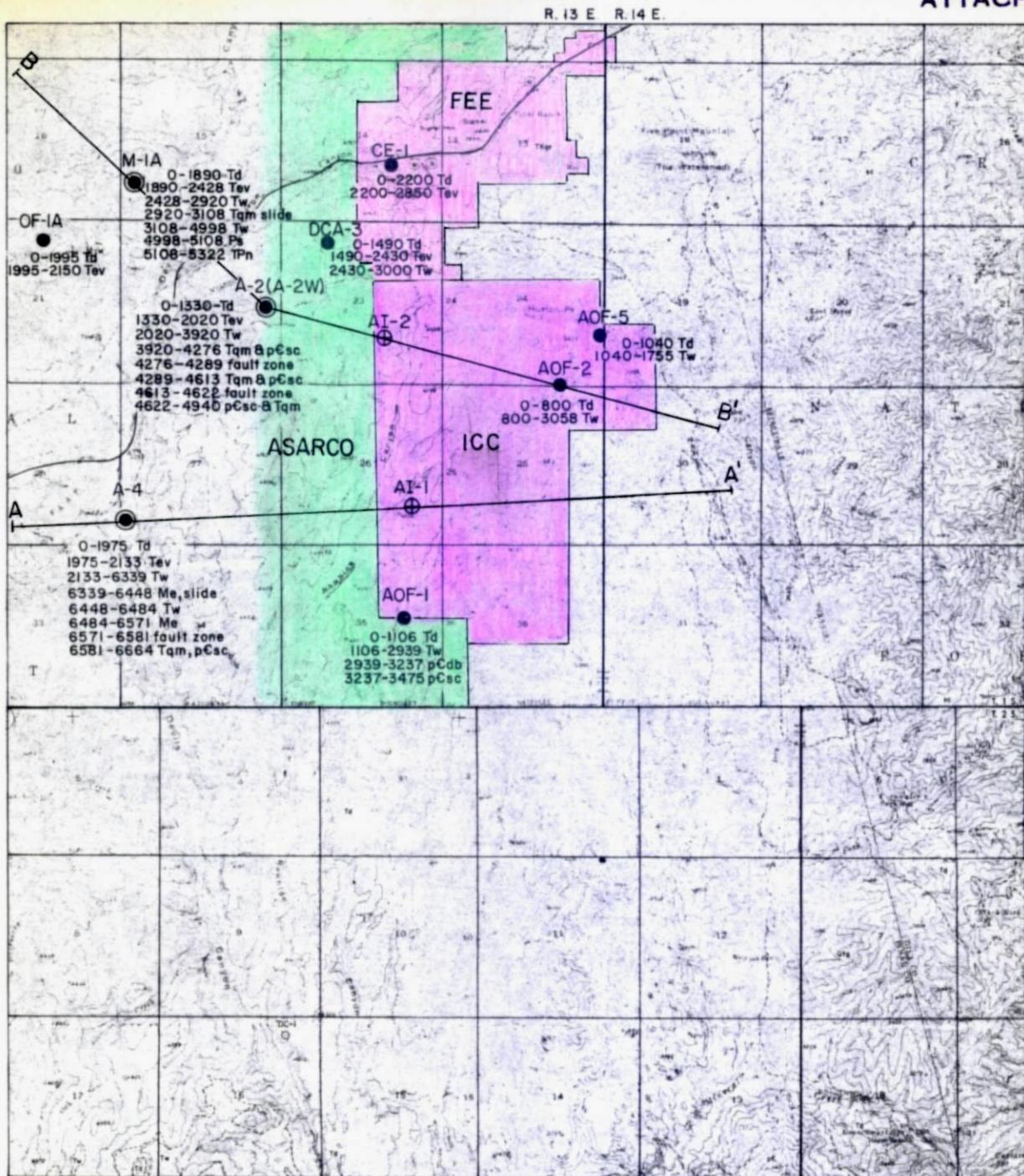
Drilling and Costs

Each drill hole is programed for a depth of 4,000 feet with the premineral units being intercepted between 2,500-3,500 feet. Drilling procedures will be modified from our experience gained in the previous exploration work in similar terrain. All costs assignable to the joint venture project are anticipated to be \$20-\$25 per foot.



James D. Sell

JDS:lad
Attachs.



- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- 3475 pCsc
- Rock type
- Bottom hole depth
- AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist

TO ACCOMPANY *Memo*
 DATED *Aug. 1972*
 BY *J.D. Sell*

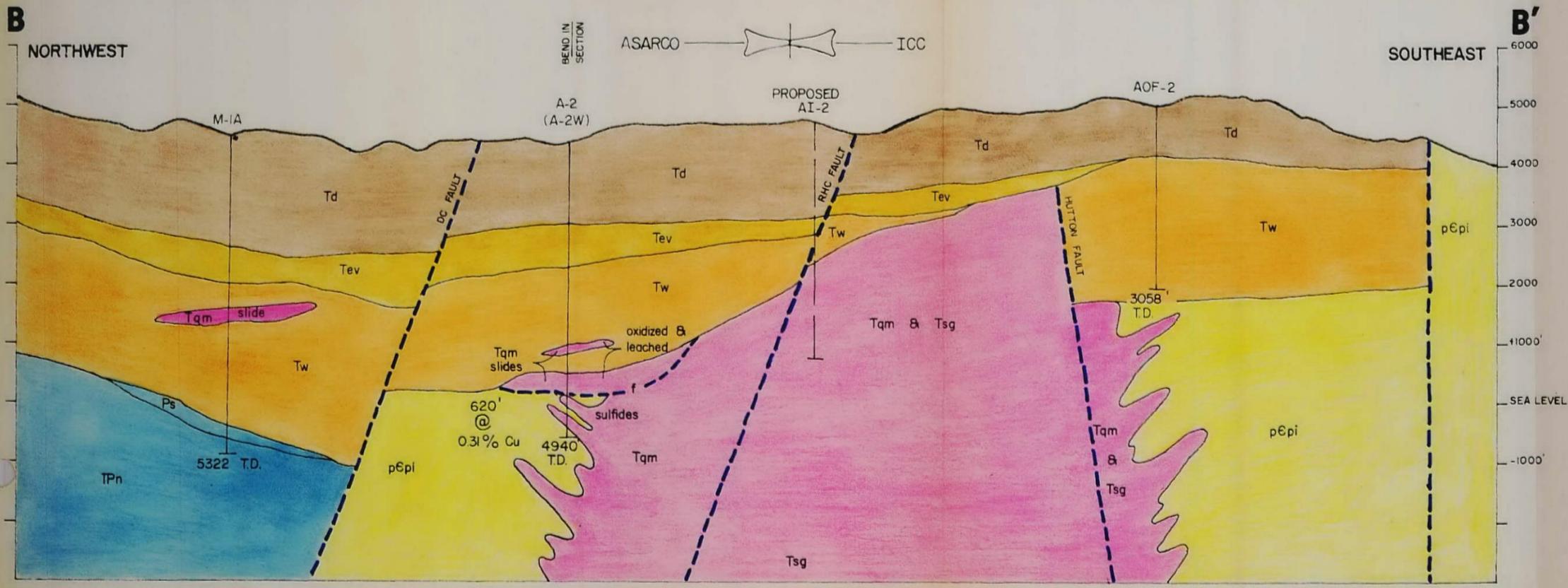
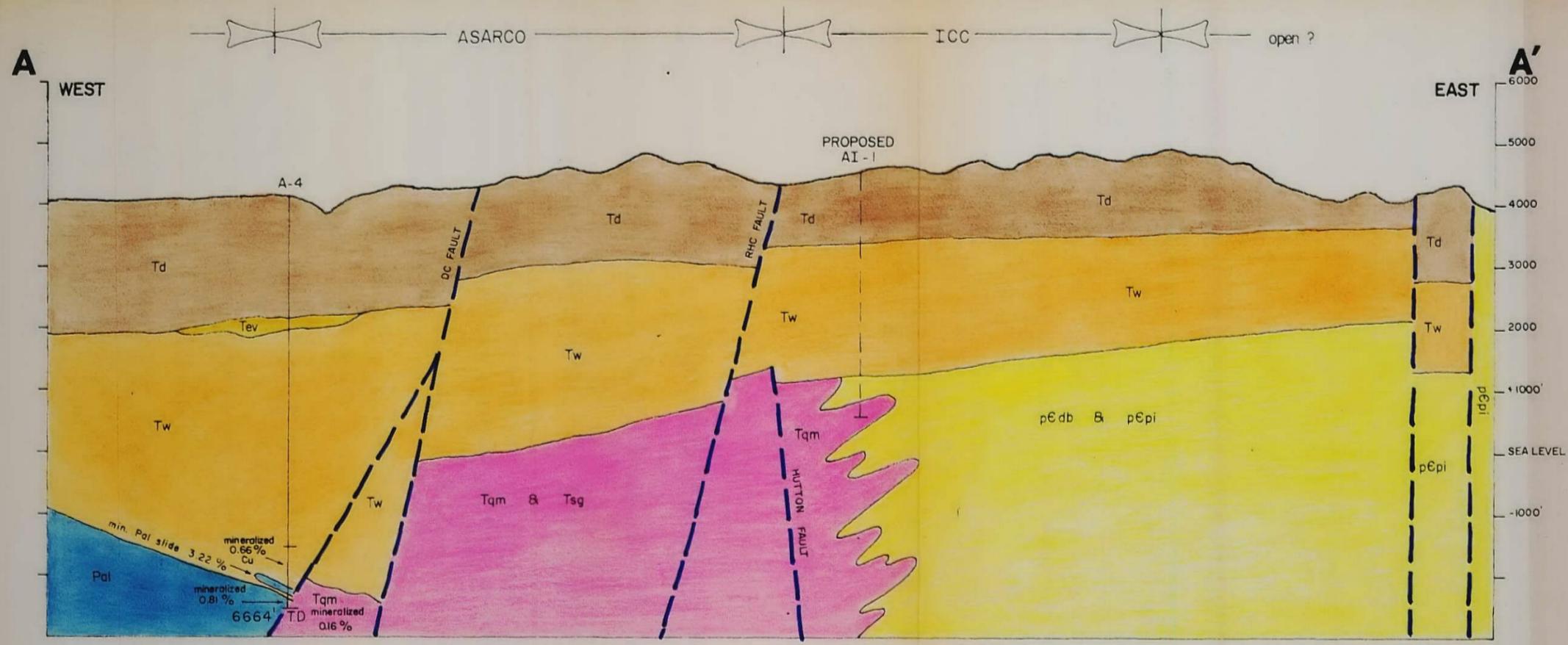


ASARCO - ICC
 Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA

SCALE: 1" = 1 mile

J.D.S.



EXPLANATION

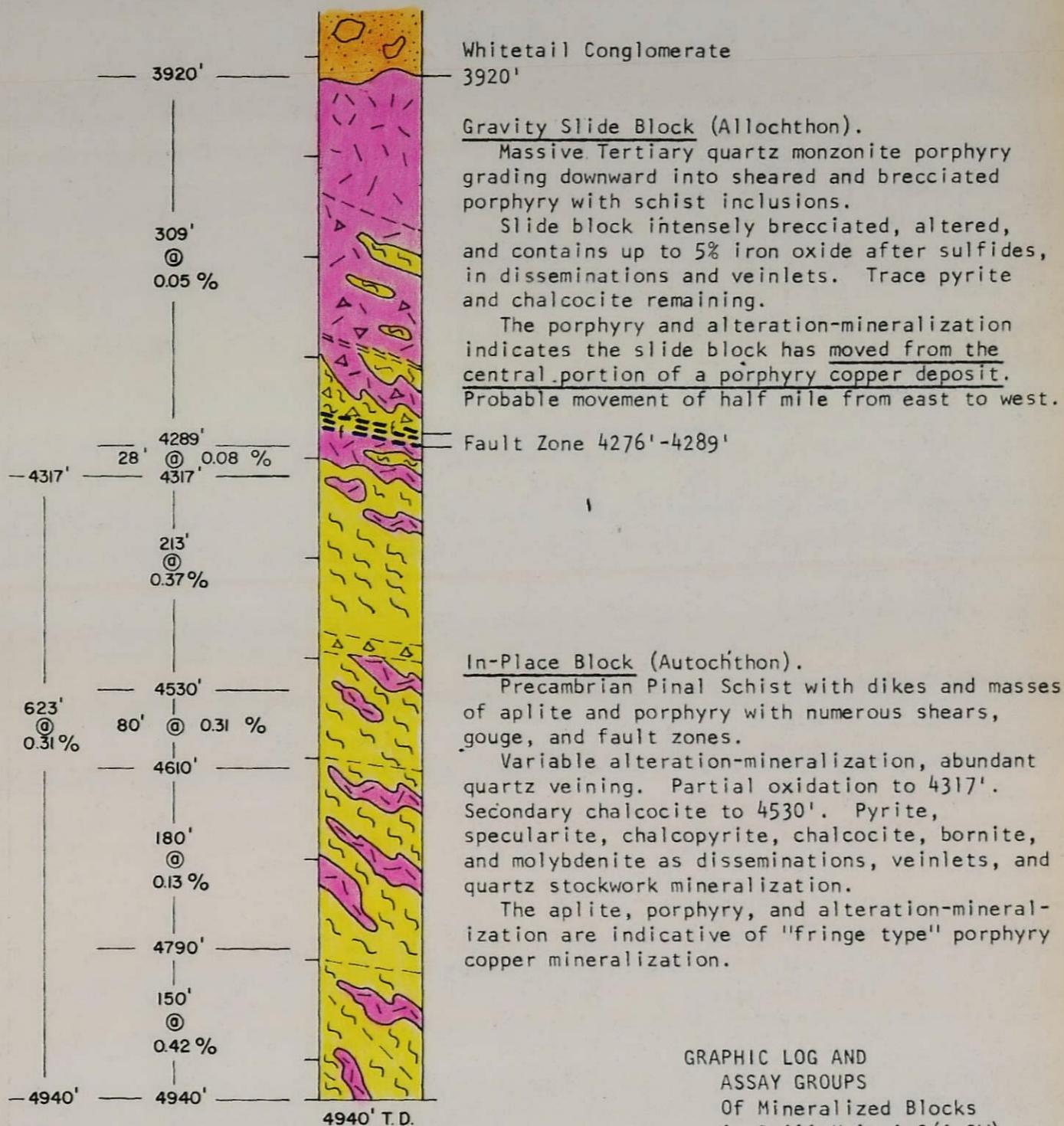
Td	Tertiary Dacite	POST-MINERAL
Tev	Early Volcanics	
Tw	Whitetail Conglomerate	
Tsg Tqm	Laramide Intrusive	PRE-MINERAL
Pal	Paleozoic Sediments	
Au & db	Precambrian Sediments and Diabase	
pi	Precambrian Pinal Schist	

TO ACCOMPANY Memo
 DATED Aug. 18, 1972
 BY J.D. Sell

**ASARCO - ICC JOINT VENTURE
 SECTIONS THROUGH DRILL HOLES
 RAWHIDE PROJECT
 PINAL COUNTY, ARIZONA
 SCALE 1" = 2000'**

AUGUST, 1972

J. D. SELL
 2559 alr



Hole terminated due to stuck rods and the subsequent lack of rod recovery.

GRAPHIC LOG AND
ASSAY GROUPS
Of Mineralized Blocks
in Drill Hole A-2 (A-2W).
SCALE 1" = 150'
J.D.S. AUGUST 22, 1972

TO ACCOMPANY Memo
DATED Aug. 18, 1972
BY J.D. Sell

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

March 15, 1974

Mr. T. C. Osborne
Assistant Director of Exploration
New York Office

Supplemental Exploration
Authorization Request
Rawhide Project
Pinal County, Arizona

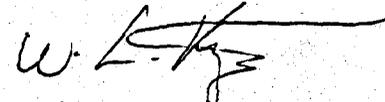
Dear Sir:

The results of drill hole AI-1, which contains 727' averaging 0.11% copper as chalcopyrite in Pinal Schist, prove that the porphyry copper mineralization intersected at Superior East in drill hole A-2 extends onto the Rawhide Project area. We are planning additional tests of the porphyry copper zone on the adjacent Superior East land and are not proposing any additional drilling on Rawhide at this time.

However, due to the high cost of road building and rotary drilling, we overspent the original Rawhide authorization by \$17,500.

Please request \$17,500 to cover this overrun. Forms 302-EA and 302-EB are attached.

Respectfully submitted,


W. L. Kurtz

WLK:1b
Attachs.

cc: JHCourtright - w/attachs.
RBCrist - w/o attachs. ✓
JDSell - w/o attachs. ✓
ADCoumides - w/attachs.

OFFICE OF THE SECRETARY

New York, N.Y., March 28, 1974

Mr. J. J. Collins

The following is an extract from the minutes of the Advisory Committee Meeting held March 20, 1974:

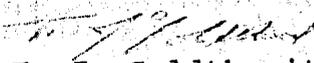
Exploration Authorization #0041-01
Rawhide Project
Pinal County, Arizona

The results of drill hole A1-1, which contains 727' averaging 0.11% copper as chalcopyrite in Pinal Schist, prove that the porphyry copper mineralization intersected at Superior East in drill hole A-2 extends onto the Rawhide Project area. Company Geologists are planning additional tests of the porphyry copper zone on the adjacent Superior East land and are not proposing any additional drilling on the Rawhide at this time.

However, due to the high cost of road building and rotary drilling, the original Rawhide authorization was exceeded by \$17,500.

Company Geologists request a supplementary exploration authorization in the amount of \$17,500 to cover this overrun.

There was approved a supplemental exploration authorization in the amount of \$17,500 to cover this overrun at the Rawhide Project, Pinal County, Arizona.


F. J. Goldthwait
Administrative Assistant

FJG:lm
Enc.
FGHamrick w/enc.
HQStringham (2) w/enc.
JHCourtright
RBCrist
JDSell ✓
ADCoumides w/enc.
WLKurtz

June 16, 1976

Mr. T. C. Osborne
Director of Exploration
New York Office

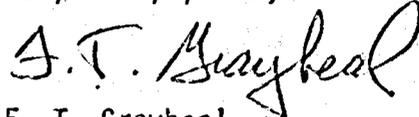
Supplemental Exploration
Authorization Request
Rawhide Project
(ICC Joint Venture)
Pinal County, Arizona

Dear Sir:

Hole AI-1 was drilled in 1973 by Asarco in the northwest corner of the Rawhide claim block as shown on the attached map. At 3240 ft. the hole intersected 727 ft. averaging 0.11% Cu as chalcopyrite in Pinal schist. This mineralization, typical of porphyry copper systems, is probably part of the same zone intersected in hole A-2 4000 ft. to the west on the Superior East Project. Drilling northwest of AI-1 in DCA-3 intersected barren pre-mineral rocks and barren granite is exposed approximately 4500 ft. to the northeast; however, the AI-1 mineralization remains open to the south and the potential for higher grade enriched mineralization justifies holding this ground.

The Rawhide claim block contains 122 unpatented lode claims which require assessment work by August 31, 1976. I now request \$14,000 for 1975-1976 assessment work to construct a drill road to a proposed drill site 2500 ft. south of AI-1 as shown on the attached map. The current unexpended Rawhide balance is \$814.54. If you approve, please request a Supplemental Exploration Authorization for \$14,000 for road and drill site construction. Forms 302-EA and 302-EB are attached. A proposal for drilling will be deferred until 1977.

Very truly yours,

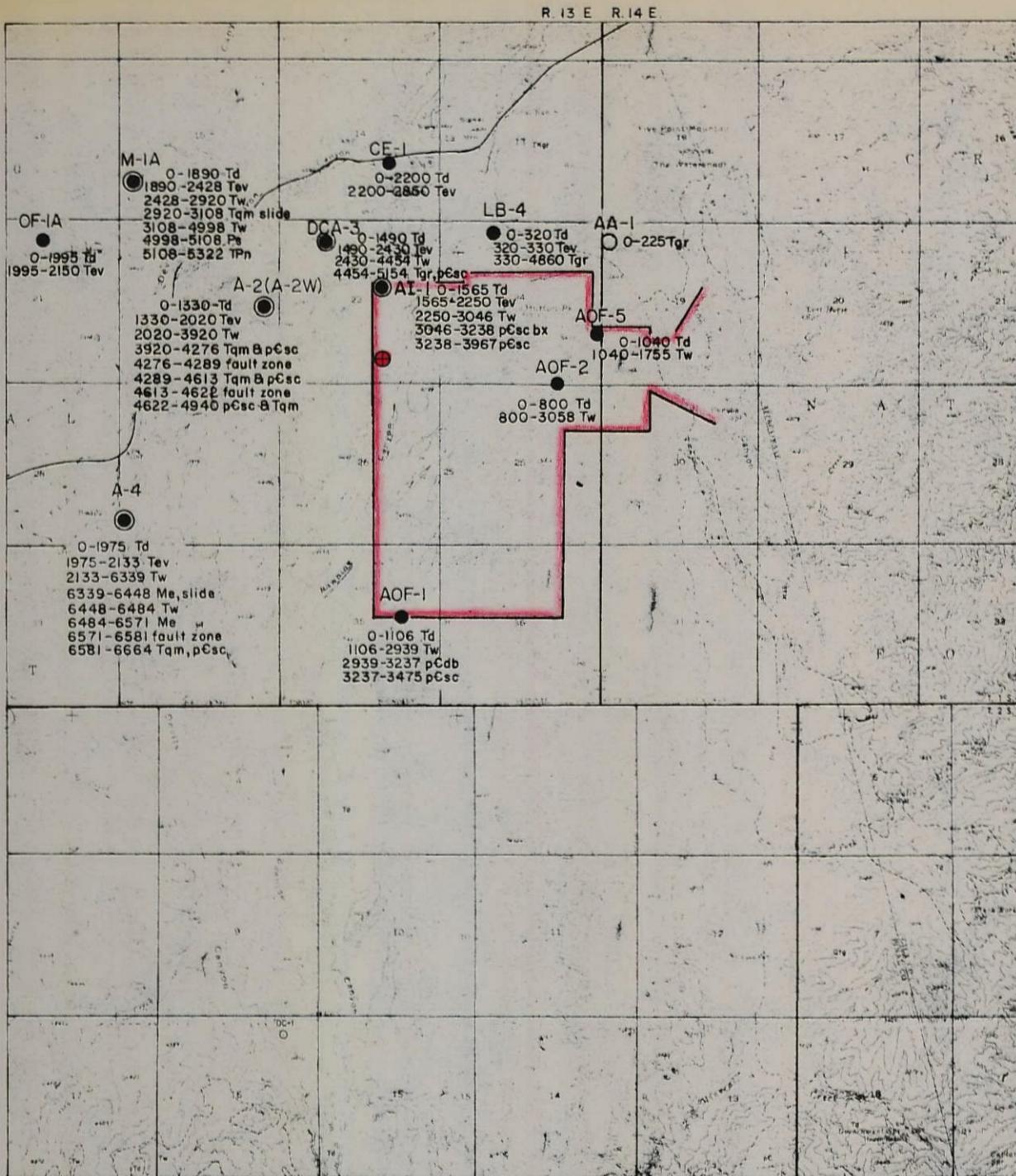


F. T. Graybeal

FTG:lb

Atts: Map and forms as noted

cc: WLKurtz - w/atts.
RBCrist - w/map only
NPWhaley - w/map only
JDSell - w/map only
WGKellogg - w/forms only



EXPLANATION

- Previous drill hole
 - ASARCO drill hole
 - AOF-1 (hole designation)
 - 3475 pCsc
 - Rock type
 - Bottom hole depth
 - Proposed drill site
- | | |
|-------------------------------|-----------------------|
| <u>POST-MINERAL ROCK UNIT</u> | |
| Td - Dacite | Tev - Early volcanics |
| Tw - Whitetail | |
| <u>PRE-MINERAL ROCK UNIT</u> | |
| Tqm - Quartz Monzonite | Dm - Martin lms |
| Tgr - Granite | pEt - Troy qtz |
| TPn - Naco limestone | pCdb - Diabase |
| Me - Escabrosa limestone | pCsc - Schist |

TO ACCOMPANY *Supplemental*
 Explanation *(with original Report)*
 DATED *June 16, 1976*
 BY *J. J. Gray Seal*

DRILLING PROGRESS MAP
 for the month of _____

**ASARCO - ICC
 Joint Venture
 RAWHIDE PROJECT**

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile

J.D.S.

April 15, 1980

TO: F. T. Graybeal

FROM: J. D. Sell

Rawhide Project
Pinal-Gila Counties, Arizona

In the events which passed, I have forgotten to check and ask for an addition to the Rawhide Project, EA-0041, to cover the cost of road building and the drilling of AI-2, now in progress.

As of January 1979, the project was at a deficit of \$375.29.

Based on escalated drill costs, etc., the following expenditure is estimated for completion of Rawhide Project hole AI-2.

1) Bryant billing, access road	\$ 24,446.02
2) Bryant billing, drill site	2,819.45
3) Joy drilling to 4600 ft.	91,000.00
" " (casing retrieved)	8,000.00
4) Asarco Admin. & Assaying	4,000.00
5) " close-down of site and road	2,500.00
6) Deficit in EA-0041-01	<u>375.29</u>
	\$133,140.76
say	\$135,000.00

James D. Sell
James D. Sell

JDS:1b



April 16, 1980

Mr. T. C. Osborne
Vice President of Exploration
New York Office

Supplemental Exploration
Authorization Request
Rawhide Project
Pinal County, Arizona

Dear Sir:

The Rawhide Project consists of 122 unpatented mining claims optioned from Inspiration. Terms require an expenditure of \$500,000 by 6/1/83 to earn a 45% interest. To date roughly \$168,000 has been spent. These claims lie adjacent to the east side of the Superior East Project, roughly one-half mile east of A-8. Hole AI-1, drilled in the NW corner of the Rawhide claim group, cut 727 ft. averaging 0.11% Cu. Mr. Sell considers that this mineralization may be part of a higher grade center of mineralization lying farther south. This higher grade center may also be the root of the leached capping found in slide blocks in the holes around A-8.

Mr. Sell has proposed hole AI-2 at a site approximately 3000 ft. south of AI-1 located as shown on the attached map. Due to failure of our initial attempt at Dyna-drilling in A-12, we have collared several vertical holes in areas peripheral to the A-8 area, one of these being AI-2. Charges for AI-2, including costs of the access road from A-13 to AI-2, will be applied against the Rawhide Project. Costs are estimated as follows:

5000 ft. diamond drilling at \$35.00/ft.	=	\$175,000
3000 ft. new road at \$10.00/ft.	=	<u>30,000</u>
Total	=	\$205,000

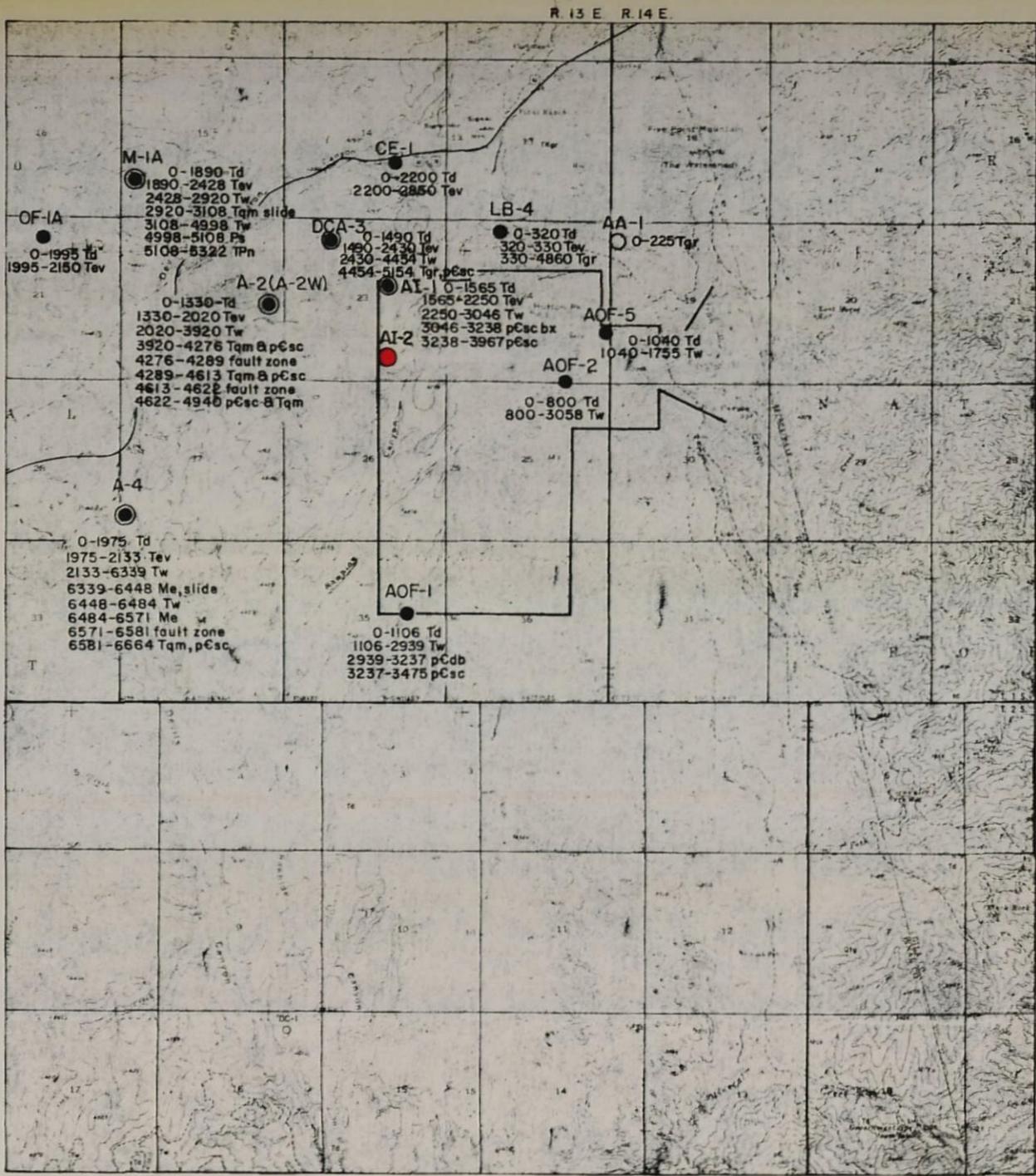
If you approve please request a Supplemental Authorization to cover the cost of AI-2. Further drilling on this project will be assessed following completion of AI-2 and A-13. Hole AI-2 is part of the 2-year evaluation of the greater Superior East Project area and was included as part of the 1980 Budget. The costs here are in excess of those in the 1980 Budget estimate because air-hammer drills were not available for the top of the hole and Inspiration has previously agreed to accept road work off the Rawhide group as a charge against the Project if the road was specifically for a hole on the claim group. Forms 302-EA and 302-EB are attached.

Very truly yours,

F. T. Graybeal

FTG:lb
Atts: Map & Forms

cc: WLK, JDS, RBC, NPW, CDN



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- 3475 pCsc
- ↙ Rock type
- ↘ Bottom hole depth
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pEt - Troy qtz
- pCdb - Diabase
- pCsc - Schist

TO ACCOMPANY *Supplemental*
Exploration Authorization
 Request DATED *4/16/80*
 BY *R. J. Graybeal*

DRILLING PROGRESS MAP
 for the month of April, 1980

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile
 J.D.S.

FTG
gds

Rawhide Project
Pinal - Gila Counties, AZ

In the events which passed, I have forgotten to check and ask for a addition to the Rawhide Project EA-0041 to cover the cost of road building and the drilling of AI-2, now in progress.

As of January 1979, the project was at a deficit of \$375.29.

Based on escalated drill costs etc., the following expenditure is estimated for completion of Rawhide Project hole AI-2.

1) Bryant billing, access road	\$ 24,446.02
2) Bryant billing, drill site	2,819.45
3) Joy drilling to 4600 ft	91,000.00
" " (casing retrieval)	5,000.00
4) ASARCO Adm. & Assaying	4,000.00
5) " close-down of site & road	2,500.00
6) Deficit in EA-0041-01	<u>375.29</u>
	133,140.76
Joy	\$ 135,000.00

JAMES D SELL



AMERICAN SMELTING AND REFINING COMPANY
SOUTHWESTERN EXPLORATION DIVISION
P. O. BOX 5747, TUCSON, ARIZONA 85703

May 15, 1975

1150 NORTH 7TH AVENUE
TELEPHONE 602-792-3010

Mr. Hugh W. Olmstead
Chief Exploration Geologist
Inspiration Consolidated Copper Company
P.O. Box 66
Inspiration, Arizona 85537

Dear Hugh:

A brief summary of our work on the Rawhide Project follows:

Drill hole AI-1 was collared July 18, 1973 and completed at a depth of 3967 feet on Nov. 21, 1973. The attached index map shows the location of the drill hole. The attached graphic log gives a short description of the rock types, structures, alteration, mineralization, and assays.

A breakdown of Asarco project expenses are:

Drilling, Drill Site, Roads	\$145,936.68
Supervision	18,642.40
Land, Legal, Claims, Misc.	<u>2,104.38</u>
Total	\$166,683.46

Asarco has to spend an additional \$333,316.54 by 1 June 1980 to earn its 45% interest.

The core from AI-1 is stored in Claypool and is available for inspection at any time.

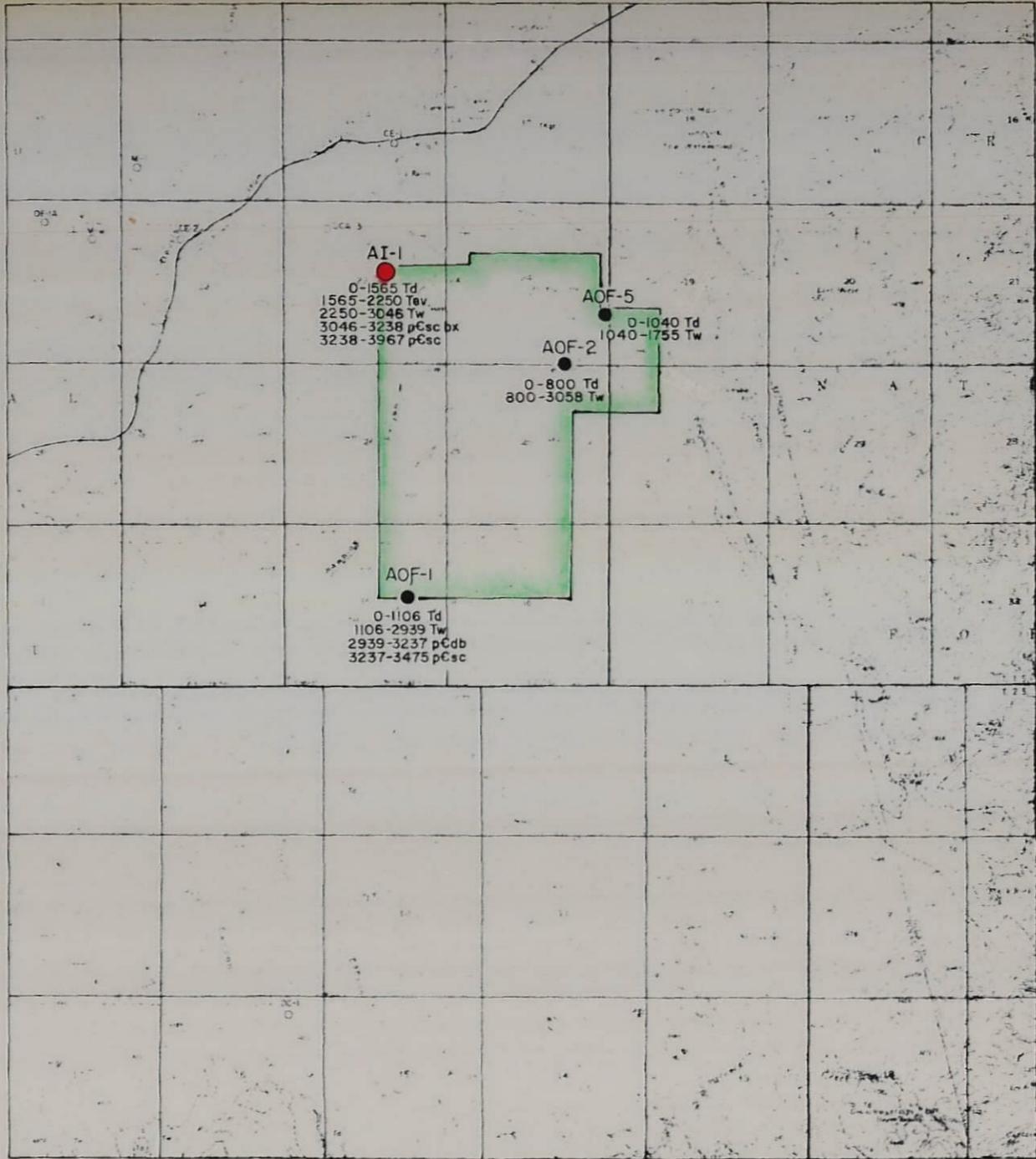
Very truly yours,

W. L. Kurtz
Manager of Exploration

WLK:lb
Atts.

cc: JDSell 
RBCrist.

R. 13 E. R. 14 E.



EXPLANATION

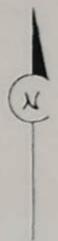
- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- 3475 pCsc
- ↙ Rock type
- ↘ Bottom hole depth
- AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist



TO ACCOMPANY	<i>LETTER</i>
DATED	<i>5/15/75</i>
BY	<i>M. L. KURTZ</i>

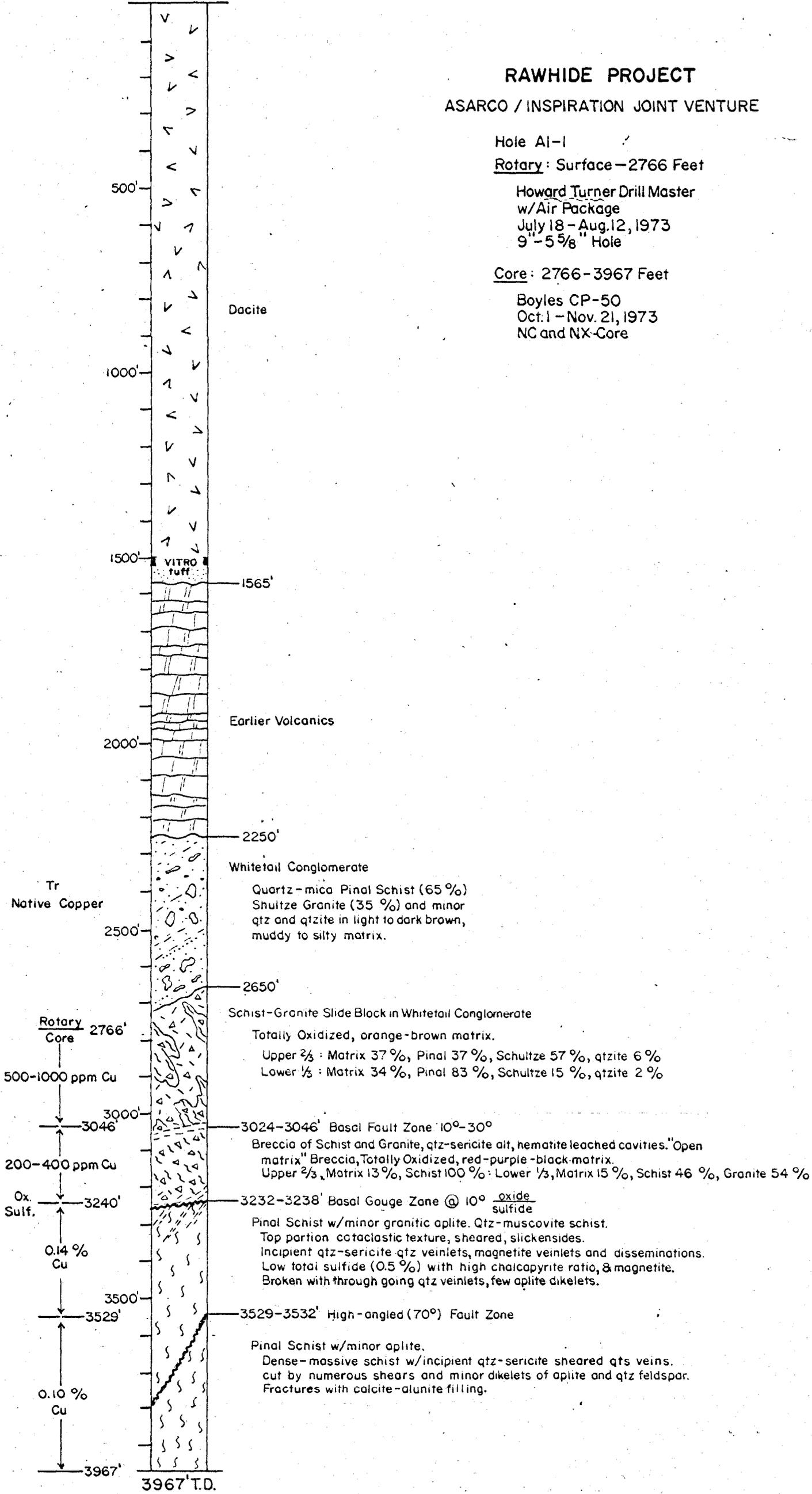
**ASARCO - ICC
Joint Venture
RAWHIDE PROJECT**
GILA & PINAL COUNTY, ARIZONA
SCALE: 1" = 1 mile
J.D.S.

AI-1
Collar Elev. 4630'

RAWHIDE PROJECT
ASARCO / INSPIRATION JOINT VENTURE

Hole AI-1
Rotary: Surface - 2766 Feet
Howard Turner Drill Master
w/Air Package
July 18 - Aug. 12, 1973
9" - 5 5/8" Hole

Core: 2766 - 3967 Feet
Boyles CP-50
Oct. 1 - Nov. 21, 1973
NC and NX-Core



Summary of Weighted Averages in Sulfide Intercept:

3240-3529', 289 feet @ .1381 ppm Cu, 9 ppm Pb, 52 ppm Zn, and 31 ppm Mo.
3529-3967', 438 feet @ .990 ppm Cu, 18 ppm Pb, 57 ppm Zn, and 21 ppm Mo.
3240-3967', 727 feet @ 1.145 ppm Cu, 14 ppm Pb, 55 ppm Zn, and 25 ppm Mo.

T 1 S, R 13 E.
SE 1/4 SW 1/4 NE 1/4 of Sec. 23

GRAPHIC LOG & ASSAY RESULTS
of
DRILL HOLE AI-1
RAWHIDE PROJECT
(ASARCO / ICC Joint Venture)
Pinal County, Arizona

TO ACCOMPANY LETTER
DATED 5/15/75
BY W. L. KURTZ

SCALE: 1" = 300'

JDS

Jan. 8, 1974

MVK 2700-X

ASARCO

Exploration Department
Western USA

W. L. Kurtz
Manager

March 1, 1984

Mr. Jack Kuhn
Inspiration Development Company
P. O. Box 1320
Claypool, AZ 85532

Rawhide Project
Arizona

Dear Mr. Kuhn:

Due to the present unattractiveness of deep copper exploration projects the thought occurs to us that the Inspiration-Asarco joint venture agreement might be amended as follows:

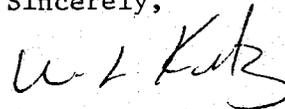
Allow Asarco to partially vest with 27% (equal to current expenditures of \$300,828). Eliminate the time requirement (now December 31, 1985) for Asarco to fully vest at 45% (\$500,000 expenditure).

Asarco, of course, remains responsible to perform annual assessment work.

An amendment structured along these lines would allow us to obtain an interest in the property but also allow us to explore it more in line with economic conditions. Inspiration would not contribute any funds until Asarco becomes fully vested.

Please let me know your thoughts.

Sincerely,



W. L. Kurtz

WLK/cg

cc: RLBrown, VP Exploration
JDSell

ASARCO

Southwestern Exploration Division

March 25, 1985

To: R. L. Brown
New York Office

From: J. R. Stringham

Rawhide Project
Agreement Termination

Attached is a copy of the termination notice to Inspiration. Please sign and send it on to Hugh Olmstead by certified mail, return receipt requested.

Please send us a copy of the signed letter and receipt for our files.

JRS:mek
Att.



J. R. Stringham

cc: W. L. Kurtz
J. D. Sell

ASARCO

Exploration Department
Southwestern United States Division

CERTIFIED MAIL
RETURN RECEIPT

March 29, 1985

Mr. Hugh W. Olmstead
Inspiration Development
P.O. Box 1320
Claypool, AZ 85532

Rawhide Agreement

Dear Mr. Olmstead:

In accordance with Article 4 of the June 1, 1973 agreement between Inspiration Consolidated Copper Company and American Smelting and Refining Company, Asarco hereby notifies you that it terminates the agreement as of April 15, 1985.

Since this termination date is more than 60 days prior to the expiration of the assessment year, Asarco will not be responsible for any of the assessment work.

Sincerely yours,

R. L. Brown, Jr.
Vice President

TAB

Rawhide - Reports
Monthly.

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

September 1, 1972

TO: W. L. Kurtz

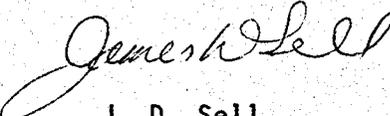
FROM: J. D. Sell

Monthly Report
ASARCO-ICC Joint Venture
Rawhide Project
August 1972

The letter of intent for the project has been signed.

Previously, drill hole data on the five holes (only one of which penetrated to premineral units) was secured from ICC. A report on the Project and recommended holes has been distributed.

Road work, handled by ICC, in building a more permanent road higher up on the hillside of the tributary going into Rawhide Canyon was completed for 2700 feet. This is about half of the necessary footage to reach the first recommended drill site. The work was sufficient for the annual assessment work on the Crook, OS, and Conto claims which ICC controls and will file upon for the past year.


J. D. Sell

JDS:lad

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

October 3, 1972

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report
Rawhide Project
ASARCO-ICC Joint Venture
September, 1972

No additional work was performed on the project for the month, after ICC's road contractor was terminated.

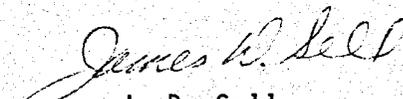
Mr. Paul Bryant has inspected the ICC roadwork down into the Rawhide Canyon area. He estimates an additional \$20,000.00 to complete the road down to ICC's proposed drill site. If we should move the site up to the area of ICC drill hole AOF-4, the cost would be around \$3,000.00.

In a further inspection of the road rebuilding east of ASARCO's A-2, Bryant estimates \$10,000.00 to complete a drill site onto ICC's ground to the east of A-2.

Further search is necessary to clarify the boundary line between the ICC claims and the ASARCO group. Also the area north of ICC and to the fee lands.

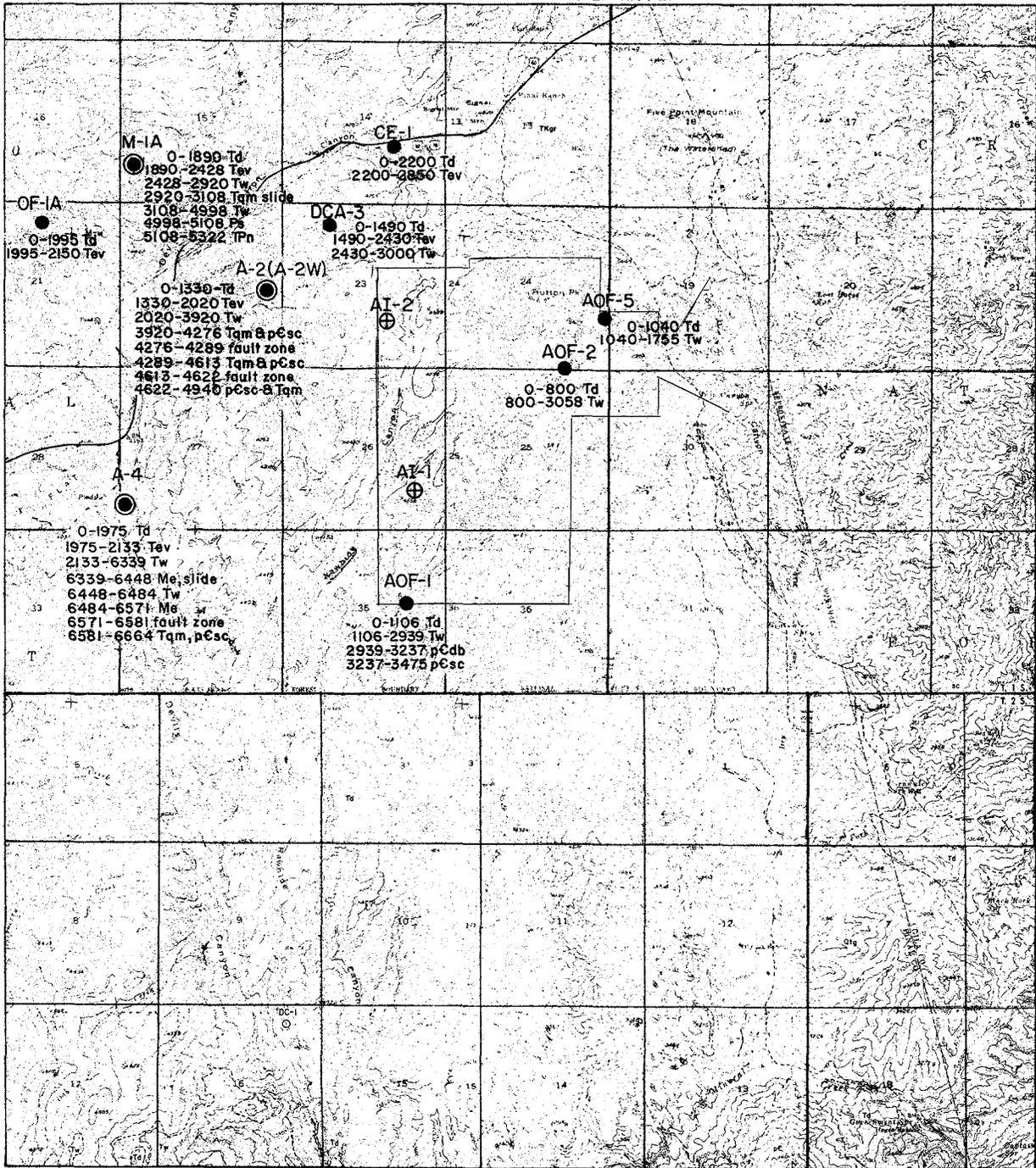
Attached is the Progress Map to be used during the project.

Estimated unexpended balance of authorization is \$137,800.00.


J. D. Sell

JDS:lad
Attach.

Need
property
boundary
(ck map)



T. 1 S.
T. 2 S.

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- 3475 pCsc
- Rock type
- Bottom hole depth
- AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist



DRILLING PROGRESS MAP
for the month of September, 1972

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA

SCALE: 1" = 1 mile

J.D.S.

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

October 31, 1972

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report
Rawhide Project
ASARCO-ICC Joint Venture
October 1972

The boundary line between the Margaret (ASARCO) group of claims and the ICC claims was clarified during the month. It has been determined in the field that the monuments lie essentially along the same line, although the Margarets at times leave a small (± 45 feet) gap. However, information from H. Olmstead suggests that the real line should be several hundred feet to the east of the present boundary for the ICC claims. Thus, a narrow band fraction probably exists along the boundary. ASARCO will lay out a strip of claims to cover the suspected fraction.

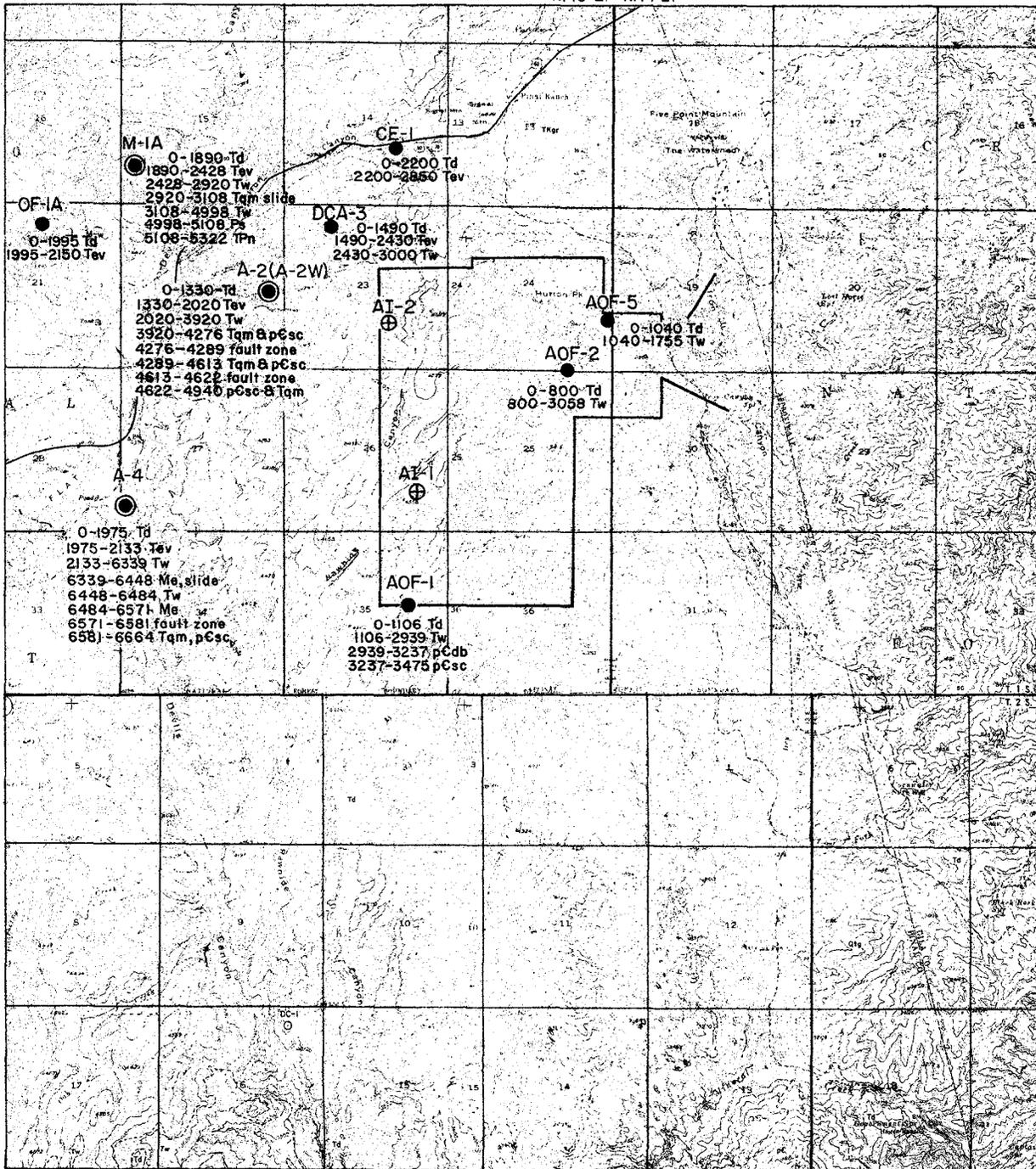
Continued investigation on the claim situation to the north between the ICC claims and the fee land is being conducted. Verbal contact by the owners of the "American" group and the "Lindberg" group suggests all the area is claimed. However, the lower southwest part may have some open part. This area has been staked by ASARCO while the investigation continues.

The Progress Map is attached, but no drilling has been conducted.

Estimated unexpended balance is \$136,900.

James D. Sell
James D. Sell

JDS:Lad
Attach.



T. 1 S.
T. 2 S.

EXPLANATION

- | | | |
|--------------------------|-------------------------------|-----------------|
| ● Previous drill hole | <u>POST-MINERAL ROCK UNIT</u> | |
| ○ ASARCO drill hole | Td - Docite | |
| AOF-1 (hole designation) | Tev - Early volcanics | |
| 3475 pCsc | Tw - Whitetail | |
| Rock type | <u>PRE-MINERAL ROCK UNIT</u> | |
| Bottom hole depth | Tqm - Quartz Monzonite | Dm - Martin lms |
| AI | Tgr - Granite | pEt - Troy qtz |
| ⊕ Proposed drill site | TPn - Naco limestone | pCdb - Diabase |
| | Me - Escabrosa limestone | pCsc - Schist |



DRILLING PROGRESS MAP
for the month of *October 1972*

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA
SCALE: 1" = 1 mile

J.D.S.

TO ACCOMPANY *Report*
DATED *Oct 31, 1972*
BY *J.D. Sell*

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

November 28, 1972

TO: W. L. Kurtz

FROM: J. D. Sell

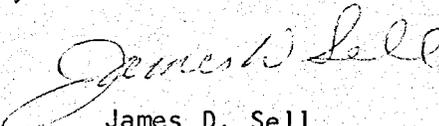
Monthly Report
Rawhide Project
ASARCO/ICC Joint Venture
November 1972

A group of claims (LD-1 through 17) has been located above the ICC ground on the northwest and down the western boundary. The claims were set out to cover any open ground that might exist in the area and ties onto the fee land to the northwest, the American Group of claims on the northeast, and the Margarets on the west. Individual drill holes for location work have been conducted across the northern tier and will be done along the west side line of the Rawhide Project area.

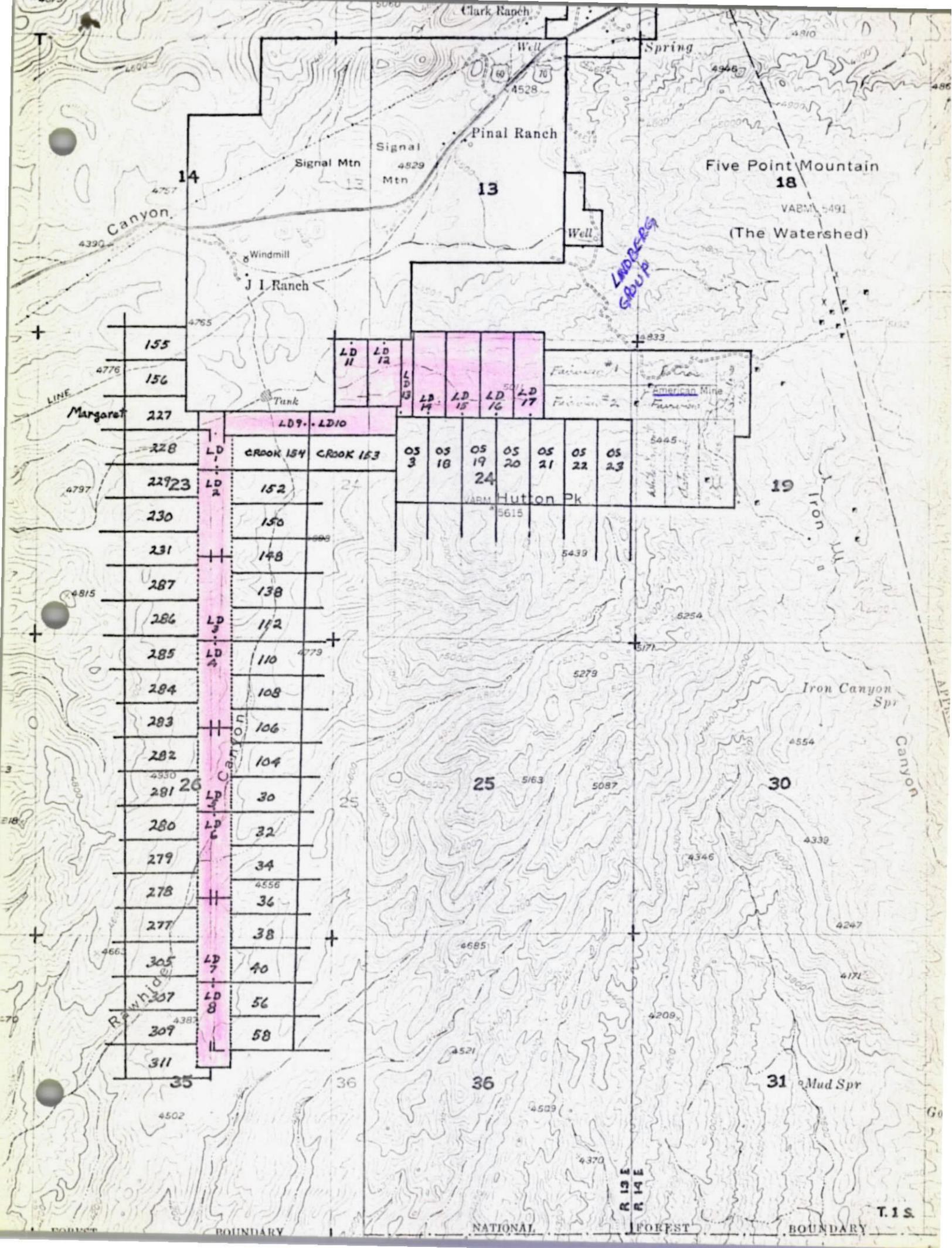
ASARCO has concluded an agreement to option the American Group (8 claims). It has been verbally reported that Paul Kayser has optioned the 18(?) claim Lindberg group for \$10,000 cash with a similar amount due in one year. If the second payment is made, he then is committed to purchase the group for \$350,000.00 with the owners retaining a 6% royalty.

The Attachment shows the newly laid out LD claims of ASARCO and the surrounding land. The LD, Crook, Margaret, and American claims are controlled by ASARCO. No exploration drilling has been started on the project area, but one hole is planned in the northwest corner of the Crook block in the near future.

Estimated unexpended balance is \$132,100.00.


James D. Sell

JDS:lab
Attach.



155	LD 11	LD 12	LD 13	LD 14	LD 15	LD 16	LD 17						
156													
227	LD 9 - LD 10												
228	LD 1	CR00K 154	CR00K 153	OS 3	OS 16	OS 19	OS 20	OS 21	OS 22	OS 23			
229	LD 2	152	24			24							
230		150											
231		148											
287		138											
286	LD 3	112											
285	LD 4	110											
284		108											
283		106											
282		104											
281	LD 5	30											
280	LD 6	32											
279		34											
278		36											
277		38											
305	LD 7	40											
307	LD 8	56											
309		58											
311													

MINING AUTHORIZATION NO. 0041-00

Inspiration Copper Joint Venture

RAWHIDE PROJECT

PINAL COUNTY, ARIZONA

TUCSON OFFICE

NOV.

- 1972

Account No.	Item		This Month	This Year	Total To Date
507-10	Staking Claims	-Salaries	\$ 504.00	\$ 995.00	\$
507-20		-Supplies	.60	1.60	
507-29		-Traveling	119.37	202.52	
507-35		-Add. Labor	74.40	134.23	
507-40		-Taxes	13.21	38.74	
521-20	Surface Drilling	-Supplies	6167.19	6168.69	
530-10	Geology	-Salaries	-	205.00	
530-29		-Traveling	51.10	37.80	
530-35		-Add. Labor	-	24.98	
620-20	Gen. Administration	-Supplies	-	2.94	
620-40		-Taxes	248.50	249.36	
641-49	Distributable Accts.	-Autos	181.56	351.82	
502-48	MINERAL Prop. Option Payment	-Other	80.00	80.00	
521-15	SURFACE Drilling	-WAGES	105.75	105.75	
521-40	" "	-Taxes	6.51	6.51	
620-48	GEN Administration	-Other	100.00	100.00	

<u>\$ 7602.19</u>	<u>\$ 8704.94</u>	<u>\$</u>
-------------------	-------------------	-----------

Authorized
Expended

\$ 15000.00
8704.94

Balance Unexpended

\$ 141295.06

Orig: JJCcollins

cc: HQS, TAS, NV, RBM, WLK, File

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

December 26, 1972

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report
Rawhide Project
ASARCO/ICC Joint Venture
December 1972

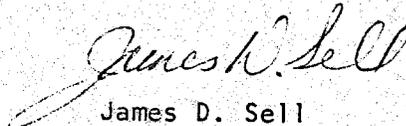
Location, by posting of the notice only, of LD-18 through LD-21 was completed on a tier north of LD-13 through LD-16. (See map submitted last month.) These claims were posted to catch any open ground east and south of the patented ground in section 13.

While in the field, I found Mr. Nick Carouso surveying (transit-stadia) the Lindburg claims in the area. He felt he would be completed in the southwest corner this week and complete all of them by early January.

Following a conversation with Nick, it would appear that the Lindburgs; trending N60°E, will cut into parts of our LD-14 through 21, but how much will depend upon their final outline. Nick stated that several of the Lindburgs will be #17, #18, #18A, which have never been recorded in the Court House.

Mr. Travis Gant has been contacted and will start the survey of the patented ground and the adjoining LD claims on December 28. Verbal permission has been obtained from Dees, Craig, and Henderson for conducting the survey.

Estimated unexpended balance is \$131,500.


James D. Sell

JDS:lab

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

February 1, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report
Rawhide Project
ASARCO/ICC Joint Venture
January 1973

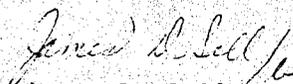
All location drilling and claim monumenting of LD No. 1 through No. 17 was completed during the month.

Mr. Travis Gant has conducted field work in establishing several corners of the patented land, but will not be surveying in any claim corners at this time.

The Lindburg surveying was completed, along with a few extra Buck claims, and a court order of no trespassing was initiated by the Lindburg group participants.

Some location(?) drilling has been conducted in the area of the Dees & Stew claims of W. Dees. No papers have yet been found in the field except Xerox copies of the location notices. No filings in the court house have been noted.

Estimated unexpended balance is \$125,500.


James D. Sell

JDS:1b

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

February 28, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

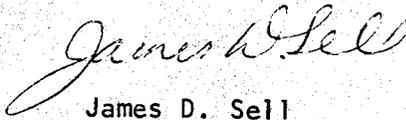
Monthly Report
Rawhide Project
ASARCO/ICC Joint Venture
February 1973

Minor work continues on the LD claims area. LD-11 and -12 were regrouped after surveying and the location drilling site for LD-12 was redrilled to the west to be clearly within the claim.

Mr. Travis Gant has completed drafting of the available surveying. Additional work is to be conducted in the area of LD-1, -2, -9, and -10.

The road and drill site for the project area will soon be near the claim border, but will not be completed until later after the road is reopened into State Lease Section 4.

Estimated unexpended balance is \$115,300.


James D. Sell

JDS:1b

Rawhide
out - \$9,109.65

MINING AUTHORIZATION NO. 0041-00
 Inspiration Copper Joint Venture, RAWHIDE PROJECT
 PINAL COUNTY, ARIZONA

TUCSON OFFICE
FEB - 1973

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay - Other	\$ (240.00)	\$ (160.00)	\$ 220.00
507-10	Staking Claims - Salaries	626.56	1990.08	3056.08 ✓
507-20	- Supplies		281.34	291.94 ✓
507-29	- Traveling	150.59	269.24	479.66 ✓
507-35	- Add. Labor	120.03	395.74	540.73 ✓
507-40	- Taxes			38.74 ✓
521-15	Surface Drilling - Wages			105.75 ✓
521-20	- Supplies			6168.69 -
521-40	- Taxes on Supplies			6.51 -
530-10	Geology - Salaries			456.00 } -
530-29	- Traveling			37.80 } -
530-35	- Add. Labor (all benefits but PR taxes - PR taxes handled in NY)			63.02 } -
570-10	Engineering - Salaries	69.05	69.05	166.47 ✓
570-20	- Supplies			13.47 ✓
570-29	- Traveling			13.00 ✓
570-35	- Add. Labor	13.22	13.22	27.98 ✓
620-20	General Administration - Supplies	5.67	8.67	11.61 ✓
620-25	- Services	2.00	70.00	106.00 ✓
620-40	- Taxes	.76	235.11	251.18 ✓
620-48	- Other	(100.00)	(100.00)	-
641-49	Distributable Accounts - Autos	256.59	451.70	881.76 ✓
620-25	Staking Claims - SERVICES	2694.30	3744.30	3744.30 ✓
620-29	GENERAL ADMINISTRATION - TRAVELING		41.55	41.55 ✓
620-10	- SALARIES	673.00	673.00	673.00 ✓
620-35	Authorized - Add Labor	124.23	124.23	124.23 ✓
		<u>\$ 4396.00</u>	<u>\$ 7621.47</u>	<u>\$ 17037.47</u>

Authorized _____ \$150000.00
 Expended _____ 17037.47
 Balance Unexpended _____ \$132962.53 ✓

take out blue - \$9,109.65
 7,327.82
 17,037.47

orig: JCollins
 cc: HQS, TAS, NW, RSM, WLX, File-2

Inspiration Copper Joint Venture, BAWHIDE PROJECT
 PINAL COUNTY, ARIZONA

MAR 1973

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay - Other	\$ -	\$ (16000)	\$ -
507-10	Staking Claims - Salaries	(2943.08)	(953.00)	113.00
507-20	- Supplies	(22.10)	6.24	27.84
507-29	- Traveling	(458.46)	(189.22)	21.20
507-35	- Add. Labor	(527.00)	(131.26)	13.73
507-40	- Taxes	(3045)	(3045)	8.29
521-15	Surface Drilling - Wages	(105.75)	(105.75)	-
521-20	- Supplies	(1.50)	(1.50)	6167.19
521-40	- Taxes	(651)	(651)	-
530-10	Geology - Salaries	(251.00)	(251.00)	20500
530-29	- Traveling	(110)	(110)	3670
530-35	- Add. Labor	(3804)	(3804)	24.98
570-10	Engineering - Salaries	(166.47)	(9742)	-
570-20	- Supplies	(13.47)	(13.47)	-
570-29	- Traveling	(13.00)	(13.00)	-
570-35	- Add. Labor	(27.23)	(1476)	-
620-20	General Administration - Supplies	8.87	17.54	20.48
620-25	- Services	(106.00)	(3600)	-
620-40	- Taxes	(3.39)	(1.54)	247.29
620-43	- Other	-	(10000)	-
641-49	Distributable Accounts - Autos	(842.40)	(39070)	3.936
620-25	Staking Claims - SERVICES	(3740.30)	7.00	4.00
620-29	GENERAL Administration - TRAVELING	-	41.55	41.55
620-10	- Salaries	(356.00)	317.00	317.00
620-35	Administration - Add. Labor	(68.20)	56.03	5603

\$ (971383) \$ (209236) \$ 732364

Authorized
 Expended

\$150000.00
732364

Balance Unexpended

\$ 142676.36

Orig: JCollins
 cc: HQS, TAS, NV, RBH, WLX, File-2

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

May 1, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report
Rawhide Project
ASARCO/ICC Joint Venture
April 1973

Mr. Paul Bryant continues to work on the access road from our drill site A-2 and will approach the Rawhide Project area, but will stop short until the agreement is finalized or further agreed upon. ICC laid out Crook #155 claim and dug a location pit to cover the fraction found during surveying.

Words and deeds by Dees, et al, continue to add problems to the work in the area.

No map is attached to this report. The estimated unexpended balance is \$141,800 (after correction by removing LD work from this authorization).

James D. Sell
James D. Sell *JS*

JDS:1b

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

May 30, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

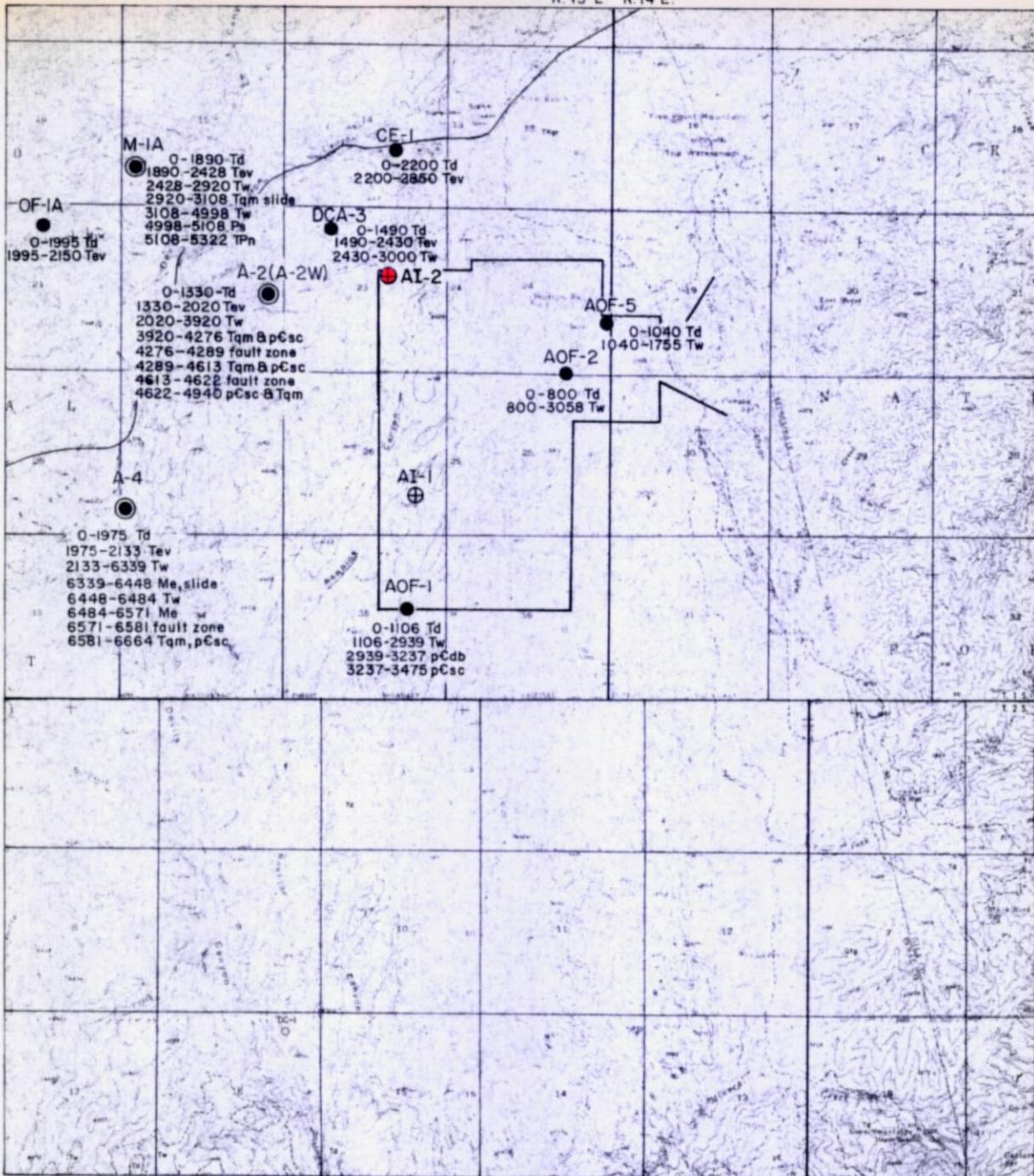
Monthly Report - *May*
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

No additional work has been done on the area. A tentative drill site, mentioned in the Superior East monthly report, has been picked and verbally confirmed by ICC as a test of the block.

Estimated balance unexpended is \$138,400.

James D. Sell
James D. Sell

JDS:lb
Attach.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- 3475 pCsc
- ↙ Rock type
- ↘ Bottom hole depth
- AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist



DRILLING PROGRESS MAP
for the month of MAY 1973

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA
SCALE: 1" = 1 mile

J.D.S.

Inspiration Copper Joint Venture, RAINBOW PROJECT
 PINAL COUNTY, ARIZONA

MAY - 1973

Account No.	Item	This Month	This Year	Total To Date
502-43	Mineral Prop., Option Pay - Other	\$	\$ (16000)	\$ -
507-10	Staking Claims - Salaries		(953.00)	113.00
507-20	- Supplies		6.24	7.84
507-29	- Travelling		(189.22)	21.20
507-35	- Add. Labor		(131.26)	13.73
507-40	- Taxes		(30.45)	8.29
521-15	Surface Drilling - Wages		(105.75)	-
521-20	- Supplies		(1.50)	6167.19
521-40	- Taxes		(6.51)	-
530-10	Geology - Salaries		(36.00)	420.00
530-29	- Travelling		(110)	36.70
530-35	- Add. Labor		1.18	64.20
570-10	Engineering - Salaries		(9742)	-
570-20	- Supplies		(13.47)	-
570-29	- Travelling		(13.00)	-
570-35	- Add. Labor		(14.76)	-
620-20	General Administration - Supplies		17.54	20.48
620-25	- Services	1694.00	1658.00	1694.00
620-40	- Taxes		(1.52)	247.31
620-43	- Other		(100.00)	-
641-49	Distributable Accounts - Autos		(33176)	98.30
6507-25	Staking Claims - SERVICES		4.00	4.00
620-29	General Administration - Travelling		41.55	41.55
620-10	- Salaries		640.00	640.00
620-35	- Add. Labor		114.93	114.93
540-10	Sampling, Assaying, Lab - SALARIES		66.00	66.00
540-35	- Add. Labor		13.01	13.01

\$ 1694.00 37573 \$ 9791.73

Authorized _____ \$150000.00
 Expended _____ 9791.73
 Balance Unexpended _____ \$ 140208.27

Orig: JCollins
 cc: MUS, TAS, MV, RBH, WLK, File-2

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

June 28, 1973

TO: W. L. Kurtz

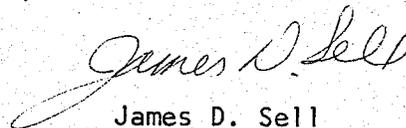
FROM: J. D. Sell

Monthly Report - June 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

Road building and site preparation are complete into the northwest sector of the Rawhide block (Attachment A). The proposed drill site has been redesignated as AI-1, as it will be the first hole of the series to be drilled. (Note that this was originally called AI-2 drill hole site.)

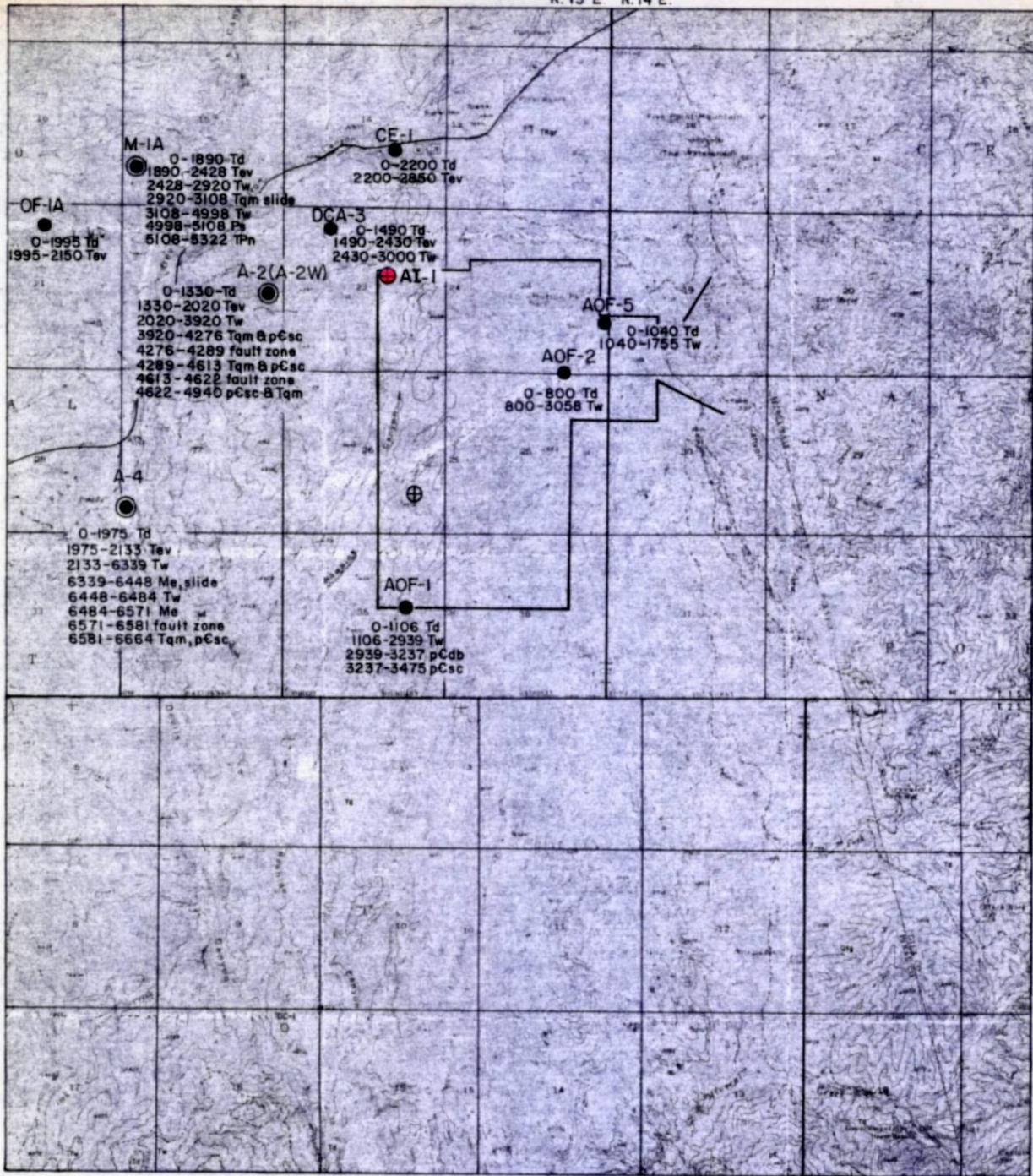
Minor problems continue to be experienced with the JI Ranch people. Surveying along the common boundary has clarified several points and established the fee land boundary. Dees continues to have a lad living in a tent on the Stew #5 area.

Estimated balance unexpended is \$133,400.



James D. Sell

JDS:lb
Attach.



EXPLANATION

- Previous drill hole
 - ASARCO drill hole
 - AOF-1 (hole designation)
 - 3475 pCsc
 - AI
 - ⊕ Proposed drill site
- POST-MINERAL ROCK UNIT
- Td - Dacite
 - Tev - Early volcanics
 - Tw - Whitetail
- PRE-MINERAL ROCK UNIT
- Tqm - Quartz Monzonite
 - Tgr - Granite
 - TPn - Naco limestone
 - Me - Escabrosa limestone
 - Dm - Martin lms
 - pCt - Troy qtz
 - pCdb - Diabase
 - pCsc - Schist

TO ACCOMPANY *MONTHLY* Report
 DATED June 28, 1973
 BY J. D. Sell



DRILLING PROGRESS MAP
 for the month of June, 1973

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile

J.D.S.

MONTHLY COST SUMMARY

Rawhide

Project, Point
(County)

Arizona
(State)

RECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Supplies and Freight

Shaver's lumber

125.22

Field Trailer Rental

Water Purchases (Drilling)

SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

Bryant

4,582.98

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Supplies and Freight

Pages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
_____	_____

CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____

Tag

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____

OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
<u>Office Machine + Sup. (4.00)</u>	<u>10.89</u>
_____	_____
_____	_____
_____	_____



SCHWARZ LUMBER COMPANY, INC.

513-622 Live Oak St.

P.O. Drawer W

Telephone 473-3521

E 7451

SOLD TO

Chas. ...

Miami, Arizona 85539

7-23 73

JOB

P. O. No.

773-259

Driver

...

PIECES	SIZE	LENGTH		FEET	TOTAL FEET	PRICE	TOTAL
<i>25</i>	<i>1 1/2"</i>	<i>10'</i>	<i>...</i>		<i>250</i>	<i>3.41</i>	<i>170.41</i>
			<i>...</i>			<i>1.44</i>	<i>1.44</i>
							<i>125.22</i>
<i>18</i>	<i>1 1/2"</i>	<i>10'</i>	<i>Hand M. Stone</i>				
<i>17</i>	<i>2 1/2"</i>	<i>10'</i>	<i>Rawhide Project MA-0041</i>				
			<i>Hole AI-1</i>				
			<i>✓</i>				

MINING AUTHORIZATION NO. 0041-00
 Inspiration Copper Joint Venture, RAWHIDE PROJECT
 PINAL COUNTY, ARIZONA

TUCSON OFFICE
 JUN - 1973

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay - Other	\$	\$ <160.00>	\$ -
507-10	Staking Claims - Salaries		<953.00>	113.00
507-20	- Supplies		6.24	7.84
507-25	- Services		4.00	4.00
507-29	- Traveling		<189.22>	21.20
507-35	- Add. Labor Expense		<131.26>	13.73
507-40	- Taxes		<30.45>	8.29
521-15	Surface Drilling - Wages		<105.75>	-
521-20	- Supplies		<1.50>	6167.19
521-40	- Taxes		<6.51>	-
530-10	Geology - Salaries	150.00	114.00	570.00
530-20	- Supplies	4.20	4.20	4.20
530-29	- Traveling	7.30	6.20	44.00
530-35	- Add. Labor Expense	26.83	28.01	91.03
540-10	Sampling, Assaying, Laboratory - Salaries		66.00	66.00
540-29	- Traveling	7.50	7.50	7.50
540-35	- Add. Labor		13.01	13.01
570-10	Engineering - Salaries		<97.42>	-
570-20	- Supplies		<13.47>	-
570-29	- Traveling		<13.00>	-
570-35	- Add. Labor Expense		<14.76>	-
60-10	General Administration - Salaries		640.00	640.00
620-20	- Supplies	96	18.50	21.44
620-25	- Services		1658.00	1674.00
620-29	- Traveling		41.55	41.55
620-35	- Add. Labor		114.93	114.93
620-40	- Taxes	05	<1.47>	247.36
620-48	- Other		<100.00>	-
641-49	Distributable Accounts - Autos		<331.76>	98.30

\$ 196.84 \$ 572.57 \$ 9983.57

Authorized
 Expended

\$150000.00
9983.57

Unexpended

\$ 14011.43

Orig: JJC Collins
 cc: HQS, TAS, NV, RBM, WLK, File-2

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

July 31, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - July 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

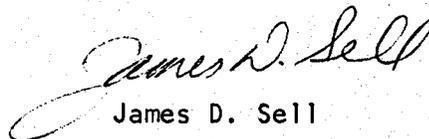
J. O. Barnes Drilling Company has occupied drill site AI-1. As of the end of the period the hole was at 1287 feet in Dacite. The hole is being cased with 7-inch casing to that depth and air-hammer drilling will continue to core point.

Minor problems continue with the JI Ranch people, but since moving on the rig the lad Stricklin has not occupied the tent and the apparent surveillance is by the ranch foreman, Mr. Ed Brown, during his rides for checking on his cattle.

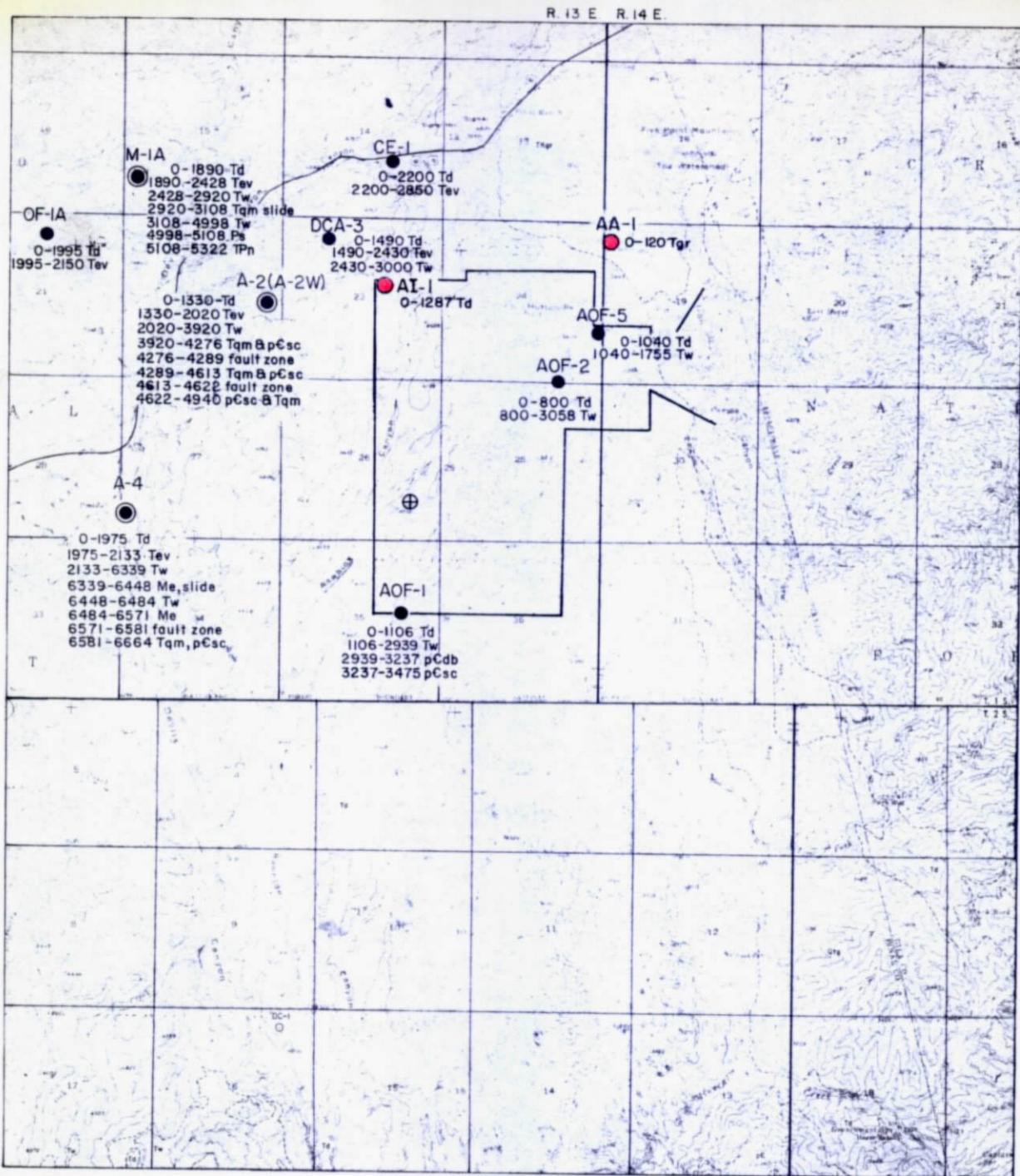
John Lavine of ICC has been by to check on the location of the site and type of rig.

Estimated balance unexpended is \$93,200.

(Note: Drill hole AA-1 shown on the attachment is within the Superior East Project area.)


James D. Sell

JDS:lb
Attach.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- pCsc
- Rock type
- Bottom hole depth
- ⊕ AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist

TO ACCOMPANY *Monthly Report*
 DATED *7-31-73*
 BY *J. D. Sell*



DRILLING PROGRESS MAP
 for the month of JULY, 1973

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile

J.D.S.

MINING AUTHORIZATION NO. 0041-00
 Inspiration Copper Joint Venture, RAWHIDE PROJECT
 PINAL COUNTY, ARIZONA

TUCSON OFFICE
 JUL - 1973

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay - Other	\$	\$ <16000>	\$ -
507-10	Staking Claims - Salaries		<95300>	11300
507-20	- Supplies		624	784
507-25	- Services		400	400
507-29	- Traveling		<18922>	2120
507-35	- Add. Labor Expense		<13126>	1373
507-40	- Taxes		<3045>	829
521-15	Surface Drilling - Wages		<10575>	-
521-20	- Supplies	2627.05	2625.55	8794.24
521-40	- Taxes	114.75	108.24	114.75
530-10	Geology - Salaries	224.00	338.00	794.00
530-20	- Supplies	-	420	420
530-29	- Traveling	9.50	15.70	53.50
530-35	- Add. Labor Expense	26.66	54.67	117.69
540-10	Sampling, Assaying, Laboratory - Salaries	75.00	141.00	141.00
540-29	- Traveling	-	7.50	7.50
540-35	- Add. Labor	8.92	21.93	21.93
570-10	Engineering - Salaries		<9742>	-
570-20	- Supplies		<1347>	-
570-29	- Traveling		<1300>	-
570-35	- Add. Labor Expense		<1476>	-
620-10	General Administration - Salaries		640.00	640.00
620-20	- Supplies	1.04	19.54	22.48
620-25	- Services		1658.00	1694.00
620-29	- Traveling		41.55	41.55
620-35	- Add. Labor		114.93	114.93
620-40	- Taxes	90	<57>	248.26
620-48	- Other		<10000>	-
641-49	Distributable Accounts - Autos	239.49	<9227>	337.79
521-10	Surface Drilling - SALARIES	1110.00	1110.00	1110.00
521-29	- TRAVELING	112.45	112.45	112.45
521-34	- FREIGHT	6.60	6.60	6.60
521-35	- Add. Labor	183.92	183.92	183.92
580-25	Construction - TEMPORARY - SERVICES	4582.98	4582.98	4582.98
610-20	Field Administration - Supplies	10.47	10.47	10.47
610-25	- SERVICES	304.20	304.20	304.20
610-30	- COMMUNICATIONS	78.40	78.40	78.40
610-40	- TAXES	42	42	42

\$ 9716.75 \$ 10289.32 \$ 19705.32

Authorized
 Expended

\$150000.00
19705.32

Unexpended

130294.68

Orig: JJC Collins
 cc: HQS, TAS, NV, RBM, WLK, File-2

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

August 30, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - August 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

Drill hole AI-1 (J.O.Barnes Drilling Company) continued air-hammer drilling to core point at 2768 feet in Whitetail Conglomerate which has a trace to minor amounts of native copper. Depths and intercepts as follows:

0-1565	Dacite
1565-2250	Early Volcanics
2250-2768	Whitetail Conglomerate

Boyles Brothers will occupy the site with a deep coring CP-50 rig during September.

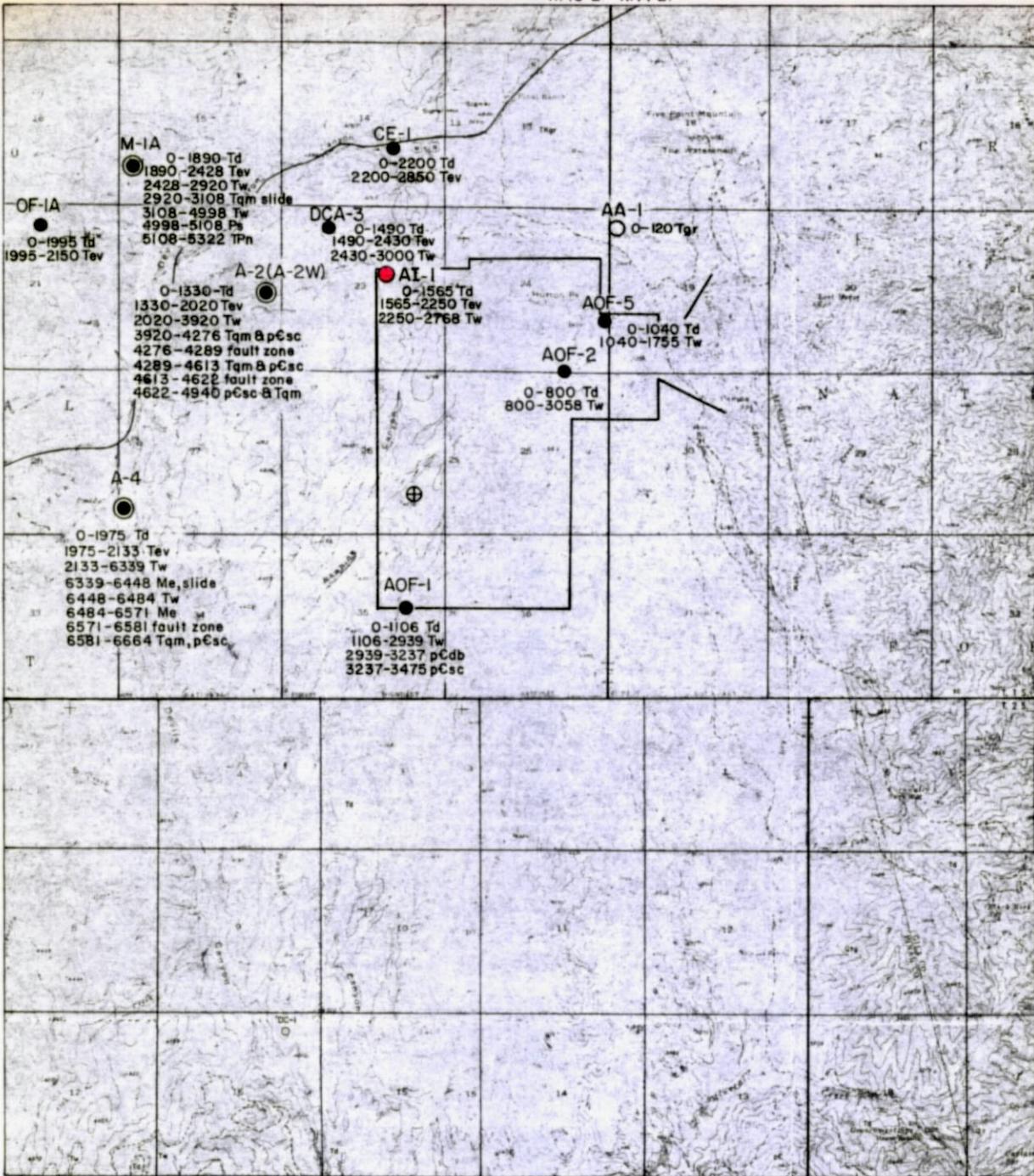
The hole was surveyed by Eastman and preliminary results indicate the bottom of the hole is 10 feet north and 122 feet west of the collar. A directional wedge will be installed to kick the direction more northerly into the area of our LD No. 9 claim.

P. Kayser of the Lindburg Group is putting a road into their southwesterly corner area. This is about due west of our AA-1 (Clark Option) hole and over a half mile northeast of AI-1.

Estimated balance unexpended is \$6,000.


James D. Sell

JDS:1b
Attach.



T. 1 S.
T. 2 S.

EXPLANATION

- Previous drill hole
 - ASARCO drill hole
 - AOF-1 (hole designation)
 - 3475 pCsc
 - Rock type
 - Bottom hole depth
 - ⊕ AI
 - ⊕ Proposed drill site
- POST-MINERAL ROCK UNIT
- Td - Dacite
 - Tev - Early volcanics
 - Tw - Whitetail
- PRE-MINERAL ROCK UNIT
- Tqm - Quartz Monzonite
 - Tgr - Granite
 - TPn - Naco limestone
 - Me - Escabrosa limestone
 - Dm - Martin lms
 - pCt - Troy qtz
 - pCdb - Diabase
 - pCsc - Schist



DRILLING PROGRESS MAP
for the month of August, 1973

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA

SCALE: 1" = 1 mile

J.D.S.

TO ACCOMPANY *Monthly Report*
DATED *Aug. 30, 1973*
BY *J.D. Sell*

MONTHLY COST SUMMARY

Rawhide MA-0041

Project, Pinal
(County)

Arizona
(State)

• DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
<u>Air Equipment Co.</u>	<u>14,343.20</u>
<u>L.E. Wash. (Air Comp. Delivery)</u>	<u>2,608.10</u>
<u>Gals Comp. Shop.</u>	<u>102.00</u>

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
<u>Air Equipment Co.</u>	<u>6,000.00</u>
<u>J.O. Barnes Drilling Co. (To be collected by HMS)</u>	<u>725.00</u>
<u>Eastman Survey Co.</u>	<u>115.50</u>
<u>Longyear Rental - Wheeling</u>	

Supplies and Freight

<u>Baroid Mud</u>	<u>775.75</u>
<u>Diesel Fuel - 2 Supplies (To be collected by HMS)</u>	

Field Trailer Rental

Dixon 628.00 est.

Water Purchases (Drilling)

SA 500.00 est.

• SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
<u>Bryant Coast Co.</u>	<u>995.00</u>

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>

Supplies and Freight

SAMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
_____	_____
_____	_____

CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
_____	_____
_____	_____
_____	_____
_____	_____

Air Equipment & Drilling Inc.

Mailing address:
P.O. Box 1664
Bakersfield, Calif. 93302
Phone 805 399-8353

4001 State Road
Bakersfield, California

Portable Compressor
Equipment for:
Air & Gas Drilling,
Industrial use.

American Smelting & Refining
P O Box 5747
Tucson, Arizona 85703

August 10, 1973

W. G. K.

P.O. #T-73-339

AUG 15 1973

Job: 1073

TO: Invoice you for furnishing labor and equipment to air drill your
Corehole AI-1

Compressor Rental (see schedule)	\$ 8,170.00
Injection Equipment Rental (see schedule)	385.00
Labor (see schedule)	5,322.00
Transportation - 5 units - 630 mi Ea-3150 mi @ 10¢/mi	315.00
Transportation - 2 pickups - 630 mi ea - 1260 mi @ 12¢/mi	<u>151.20</u>
	\$14,343.20

APPROVED FOR PAYMENT

By: _____
(Signature)

APPROVED FOR PAYMENT

By: _____
(Signature)

L. E. Webb Construction Company, Incorporated

Lic. No. 103239

922-8231

REMIT TO
P.O. DRAWER M
SANTA MARIA, CALIFORNIA 93454

TO: American Smelting & REfining
P. O. Box 5747
Tucson, Arizona 85703

ATTENTION: Exploration Department

DATE 7-31-73
INVOICE 37-409
OUR JOB NO. 265
CUSTOMER ORDER NO.
LOCATION Santa Maria

TERMS: ALL BILLS ARE DUE AND PAYABLE ON OR BEFORE THE 10TH OF THE MONTH. A ONE AND ONE-HALF PERCENT PER MONTH SERVICE CHARGE WILL BE ADDED TO ALL AMOUNTS OVER 30 DAYS, WHICH IS AN ANNUAL PERCENTAGE RATE OF 18 PERCENT. CUSTOMER AGREES TO PAY ALL COSTS OF COLLECTIONS, INCLUDING ATTORNEYS FEES.

Deliver trailers, air compressors, break down and set up in position from Santa Maria, Calif. to Superior, Arizona as directed on your job AI-1.

7-12-73	Ticket #9105 Hook up doubles	Agreed Price 2 hrs @ 20.55	650.00 41.10	\$691.10
7-14-73	Ticket #9106 Sat. O. Time Sun. O. Time	Agreed Price 8 hrs @ 4.50 8 hrs @ 4.50	650.00 36.00 36.00	\$722.00
7-14-73	Ticket #9108 Sat. O. Time Sun. O. Time Hook up doubles	Agreed Price 8 hrs @ 4.50 8 hrs @ 4.50 3 hrs @ 18.50	550.00 36.00 36.00 55.50	\$677.50
7-16-73	Ticket #9109 O. Time Subsistence	10 1/2 @ 18.50 2 1/2 @ 4.50 1 day @ 14.00	194.25 11.25 14.00	\$219.50
7-16-73	Ticket #9107 O. Time Subsistence	10 hrs @ 20.55 2 hrs @ 4.50 1 day @ 14.00	205.50 9.00 14.00	\$228.50
7-17-73	Ticket #8761 Subsistence	3 hrs @ 18.50 1 day @ 14.00	55.50 14.00	69.50
			Total	\$2608.10

OK Aug 16
JOS
Rauhid

L. E. Webb Construction Company, Incorporated

Lic. No. 103239

922-8231

REMIT TO
P.O. DRAWER M
SANTA MARIA, CALIFORNIA 93454

<p>TO: American Smelting & Refining P. O. Box 5747 Tucon, Arizona 85703</p> <p>ATTENTION: Exploration Department</p>	<p>DATE 7-31-73</p> <p>INVOICE 37-409</p> <p>OUR JOB NO. 265</p> <p>CUSTOMER ORDER NO.</p> <p>LOCATION Santa Maria</p>
--	--

TERMS: ALL BILLS ARE DUE AND PAYABLE ON OR BEFORE THE 10TH OF THE MONTH. A ONE AND ONE-HALF PERCENT PER MONTH SERVICE CHARGE WILL BE ADDED TO ALL AMOUNTS OVER 30 DAYS, WHICH IS AN ANNUAL PERCENTAGE RATE OF 18 PERCENT. CUSTOMER AGREES TO PAY ALL COSTS OF COLLECTIONS, INCLUDING ATTORNEYS FEES.

Deliver trailers, air compressors, break down and set up in position from Santa Maria, Calif. to Superior, Arizona as directed on your job AI-1.

7-12-73	Ticket #9105	Agreed Price	650.00	
	Hook up doubles	2 hrs @ 20.55	41.10	\$691.10
7-14-73	Ticket #9106	Agreed Price	650.00	
	Sat. O. Time	8 hrs @ 4.50	36.00	
	Sun. O. Time	8 hrs @ 4.50	36.00	\$722.00
7-14-73	Ticket #9108	Agreed Price	550.00	
	Sat. O. Time	8 hrs @ 4.50	36.00	
	Sun. O. Time	8 hrs @ 4.50	36.00	
	Hook up doubles	3 hrs @ 18.50	55.50	\$677.50
7-16-73	Ticket #9109	10 1/2 @ 18.50	194.25	
	O. Time	2 1/2 @ 4.50	11.25	
	Subsistence	1 day @ 14.00	14.00	\$219.50
7-16-73	Ticket #9107	10 hrs @ 20.55	205.50	
	O. Time	2 hrs @ 4.50	9.00	
	Subsistence	1 day @ 14.00	14.00	\$228.50
7-17-73	Ticket #8761	3 hrs @ 18.50	55.50	
	Subsistence	1 day @ 14.00	14.00	69.50

Total \$2608.10

APPROVED FOR PAYMENT

By: James A. Hill
(Signature)
MA-0041 Ruskite

APPROVED FOR PAYMENT

By: R. B. Crut
(Signature) 8/1/73



LONGYEAR COMPANY

308 EAST PIMA STREET
PHOENIX, ARIZONA 85004
PHONE 258-6543

GEN. OFFICE - MINNEAPOLIS, MINN.

August 24, 1973

ASARCO
P. O. Box 5747
Tucson, Arizona

ATTN: H. M. Stone

RENTAL OF WIRELINE HOIST FOR HOLE #AI-1

7 hours rental @ \$16.50/hour.....\$115.50

OK for Payment
James W Sell AI-1 Rawhide Hbl
MA-0041

Baird - Rawhide hols

\$ 775 ⁷⁵

End Aug 25.



N L INDUSTRIES, INC.
P.O. Box 1675
HOUSTON, TEXAS 77001

DATE SHIPPED

8/24/73

DELIVERING WAREHOUSE

CODE

GLOBE, ARIZONA

SOLD TO

ASARCO

ADDRESS

P.O. BOX 5747

STATE AND ZIP CODE

GLOBE, ARIZONA 85703

SHIPPED TO

CUSTOMER WELL NAME AND NO.

COUNTY/PARISH/OFFSHORE AREA STATE

W-1 J.O. WELLS INC.

BAROID WELL NO.

SHIPPED VIA

ZONA SUPPLY TRUCK

PREPAID

COLLECT

CUSTOMER ORDER NO.

2-73-402

PRICE F.O.B.

1 WHSE. 3 LAND WELLSITE

2 INSHORE WATER 4 PRICING WHSE. CODE

MATERIAL USAGE

1 OILFIELD 4 WATERWELL

2 WORKOVER 5 DEEPENING

3 MINING 6 OTHER

WELL LOCATION

0 LAND FINAL WELL TICKET

1 INSHORE WATER 2 OFFSHORE

PRODUCT	PACKAGE SIZE	QUANTITY	PRICING UNIT	PRODUCT CODE	TAX	UNIT PRICE	AMOUNT
1. AQUAGEL 1. <input type="checkbox"/> REGULAR 2. <input type="checkbox"/> MARINE	100 LB.		BAG				
2. BAROID 1. <input type="checkbox"/> BULK 2. <input type="checkbox"/> BULKAN			TON				
3. BAROID 1. <input type="checkbox"/> REGULAR 2. <input type="checkbox"/> MARINE	100 LB.		BAG				
4. CAUSTIC SODA	50 LB.	5	BAG				
5. CC-16	50 LB.		BAG				
6. FIBERTEX	40 LB.		BAG				
7. LIME	50 LB.		BAG				
8. Q-BROXIN	50 LB.		BAG				
9. SODA ASH	100 LB.	3	BAG				
10. ZEOGEL	100 LB.		BAG				
11. QUIK GEL	50lb	75	bag				
12. GELITEK H.V.	50lb	3	bag				
13. TAMMEX	50lb	5	bag				
14. BURELO H-300	1/8"	4	can				
15.							
16.							
17.							
18.							
19.							

SUBJECT TO TERMS AND CONDITIONS AS SET FORTH ON REVERSE SIDE

MATERIAL RECEIVED IN GOOD ORDER BY

AUTHORIZED REPRESENTATIVE OF CUSTOMER

DATE MATERIAL RECEIVED

8/24/73

PURCHASE AUTHORIZED BY

AUTHORIZED REPRESENTATIVE OF CUSTOMER

DISTRIBUTION: NO. 1 AND 3 COPIES TO HOUSTON ON SIGNATURE OF CUSTOMER. NO. 2 COPY TO HOUSTON ON DATE OF DELIVERY. NO. 4 COPY TO STORE. NO. 5 AND 6 COPIES TO CUSTOMER. NO. 7 AND 8 COPIES EXTRA.

TRANSPORTATION CHARGES

BAROID UNIT NO'S

20.

MILEAGE FOR DRAYAGE RATE

MILEAGE FROM

21. @ /CWT

22. @ /HR

23. @ /MILE

24.

25.

TOTAL TRANSPORTATION CHARGES

4/C

CODE

SUB TOTAL

STATE SALES TAX

26. ARIZ. 3 %

COUNTY/PARISH SALES TAX

27. %

CITY SALES TAX

28. GLOBE 1 %

TAX EXEMPTION NO.

29.

TRANSPORTATION CHARGES (DETAIL ON LEFT)

30.

TOTAL

Bryant Construction Co.
843 Spray Street
Superior, Ariz.

August 8, 1973

American Smelting & Refining Co.
Box 5747
Tucson, Ariz.

W. G. K.

AUG 10 1973

MINING DEPT.

AUG 01 1973

TUCSON

ASARCO'S Devils Canyon East Drill Site (Barnes)

International Dozer & Ripper @ \$32.50 per hr.

July 12	drill site	4 hrs
13	pulled in drill rig & equip.	6
16	pulled air compressor & equip.	10
18	Frank Brown used dozer	3
21	pulled load of drill pipe to rig	3
	pulled Barnes truck out of ditch	3
		<u>26 hrs</u>

\$845.00

Equipment listed below was furnished at the rate of \$120.00 per 8 hour shift:

125 compressor, two men & drilling equipment

July 13	drill & blast hole for surface pipe for Barnes rig ***	8 hrs	<i>Witness</i>
	drill 10ft. location hole west of Dees fish pond	2	
			<u>150.00</u>

Total

\$995.00

*D 9410 Fraction
Excluded
Rawhide*

Rawhide

APPROVED FOR PAYMENT

By: *Howard C. ...*
(Signature)

APPROVED FOR PAYMENT

By: *R. B. ...*
(Signature) 8/16/73

Air Equipment & Drilling Inc.

Mailing address:
P.O. Box 1664
Bakersfield, Calif. 93302

4001 State Road
Bakersfield, California

Phone 805 399-8353

Portable Compressor
Equipment for:
Air & Gas Drilling
Industrial use.

COPY

American Smelting & Refining Co.
P O Box 5747
Tucson, Arizona 85703

August 31, 1973

P.O. #T-73-339
Core Hole Al-1
Job: 1073

W. G. K.

SEP 17 1973

TO: Invoice you for additional equipment rental to air drill your core hole Al-1

Compressor rental (see schedule)	\$ 800.00
*Pickup mileage (round trip) 1260 mi @ 12¢/mi	151.20
Highway permits (5)	112.20
**Long distance telephone calls	14.86
	<u>\$1,078.26</u>

*Return to Bakersfield 8/9/73 to return rental tools ordered by H. Crittenden

**Long distance calls to locate tools per request of H. Crittenden 7/15 and 7/16, Copper Hills Motel Bill

DATE	LABOR		C O M P R E S S O R S						INJECTION EQUIPMENT	
	HRS	AMT	#79 HRS	AMT	#81 HRS	AMT	#83 HRS	AMT	DS	AMT
8/9			S	\$ 50.00	S	\$ 50.00	0	0	0	0
8/10			S	50.00	S	50.00	0	0	S	0
8/11			S	50.00	S	50.00	0	0	S	0
8/12			S	50.00	S	50.00	0	0	S	0
8/13			S	50.00	S	50.00	0	0	S	0
8/14			S	50.00	S	50.00	0	0	S	0
8/15			S	50.00	S	50.00	0	0	S	0
8/16			S	50.00	S	50.00	0	0	S	0
				<u>\$400.00</u>		<u>\$400.00</u>				
				400.00						
				<u>\$800.00</u>						

Permits	2 compressors tandem	\$ 37.20
	1 Compressor	23.00
	Injection & Pipe trips	35.00
	White pickup	8.00
	Red & white pickup	6.80
		<u>\$112.20</u>

MINING AUTHORIZATION NO. 0041-00
 Inspiration Copper Joint Venture, RAWHIDE PROJECT
 PINAL COUNTY, ARIZONA

TUCSON OFFICE
 AUG - 1973

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay - Other	\$.	\$ <160.00>	\$ -
507-10	Staking Claims - Salaries		<953.00>	113.00
507-20	- Supplies	172.10	178.34	179.94
507-25	- Services		4.00	4.00
507-29	- Traveling		<189.22>	21.20
507-35	- Add. Labor Expense		<131.26>	13.73
507-40	- Taxes	6.33	<24.12>	14.62
521-15	Surface Drilling - Wages		<105.75>	-
521-20	- Supplies	4391.22	7016.77	13185.46
521-40	- Taxes	143.67	251.91	258.42
530-10	Geology - Salaries	461.00	799.00	1255.00
530-20	- Supplies		420	420
530-29	- Traveling	53.75	69.45	107.25
530-35	- Add. Labor Expense	52.33	107.00	170.02
540-10	Sampling, Assaying, Laboratory - Salaries	225.00	366.00	366.00
540-29	- Traveling		7.50	7.50
540-35	- Add. Labor	38.70	60.63	60.63
570-10	Engineering - Salaries	135.00	37.58	135.00
570-20	- Supplies		<13.47>	-
570-29	- Traveling		<13.00>	-
570-35	- Add. Labor Expense	23.22	8.46	23.22
620-10	General Administration - Salaries		640.00	640.00
620-20	- Supplies	1.90	21.44	24.38
620-25	- Services		1658.00	1694.00
620-29	- Traveling		41.55	41.55
620-35	- Add. Labor		114.93	114.93
620-40	- Taxes	12.47	11.90	260.73
620-48	- Other		<100.00>	-
641-49	Distributable Accounts - Autos	930.21	837.94	1268.00
521-10	Surface Drilling - SALARIES	732.00	1842.00	1842.00
521-29	- TRAVELING	225.75	338.20	338.20
521-34	- FREIGHT	2631.59	2638.19	2638.19
521-35	- Add. Labor	109.36	293.28	293.28
580-25	Construction - TEMPORARY - SERVICES	11144.39	15727.37	15727.37
610-20	Field Administration - Supplies		10.47	10.47
610-25	- SERVICES	336.41	640.61	640.61
610-30	- COMMUNICATIONS	102.93	181.33	181.33
610-40	- TAXES		42	42
521-25	Surface Drilling - Services	63439.43	63439.43	63439.43
540-20	Sampling, Assaying, Laboratory - Supplies	164.22	164.22	164.22
540-40	- Taxes	6.43	6.43	6.43
		<u>\$85539.41</u>	<u>\$95828.73</u>	<u>\$105244.73</u>

Authorized
 Expended

\$150000.00
105244.73

Unexpended

\$ 44755.27

Orig: JJC Collins

cc: HQS, TAS, NV, RBM, WLK, File-2

MONTHLY COST SUMMARY

Rawhide MA0041

Project, Pinal
(County)

Arizona
(State)

1. DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

~~Boerner Drilling~~
Boerner Drilling
Reliance Trucking
Air Equipment

~~(10,751.77)~~ (10,751.77) *final under estimate*
201.38
~~(15,887.80)~~ (15,887.80) *final under estimate*

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Supplies and Freight

Returns of Geologists Eastman
Baroid Mud

7.43
(775.75)

est. here last month's bill this month.

Field Trailer Rental

Water Purchases (Drilling)

2. SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

Bryant

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Bryant Const. Co. (Pond; new slump cone)

750.00

Supplies and Freight

PLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
_____	_____
_____	_____

II. CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

III. OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
Post office Rental	1.80
_____	_____
_____	_____
_____	_____
_____	_____

90 Barnes Rawhills

Est July 15,850.00
Est Aug 42,000.00

Total Est. \$ 57,850.00

Billing of Aug 30 47,098.23

10,751.77

overage
to be deducted
from Sept est.

Sell

A.D.C.
SEP 4 1973

J.O. Barnes Drilling Service, Inc.

711 E. LAUREL DR. - PHONE 836-8061 - P. O. BOX 141
CASA GRANDE, ARIZONA 85222

DATE Aug. 30, 1973

TO: American Smelting & Refining Co.
P O Box 5747
Tucson Arizona 85703

Order # T-73-364
July 18, 1973

Hole # 1, Superior.
Rawhels

Move in and rig up
Rig operatin time, 590 hrs. @ 60.00[✓] per hr.
Labor to run casing & haul water
 12 $\frac{1}{2}$ man hours @ 3.66 per hr.
Overtime labor cost, 12 hrs. @ 7.32

\$2500 00 ✓
35400 00
453 84
87 84

One 15" Bit 250.00
One 9" Bit 240.00
Two 9" DHD Hammer Bits @ 600.00 each 1200.00
Sales Tax on one 9" Bit 18.00
One 6 $\frac{1}{4}$ " Bit 195.00
Sales Tax @ 3% 5.85
Two 6" Reed Bits @ 963.00 each 1926.00
Three 5 & 5/8" Button Bits @ 450.00 each 1350.00
Sales Tax @ 3% 40.50
One 6" M88-39864D 1112.86
Two invoice, Baroid Division 723.43

Total
Plus 10%

7061 64
706 16
46209 48

Less 46209.48
16584.49 Labor
29624.99 @ 3% Sales Tax

888 75
\$47098.23

APPROVED FOR PAYMENT
By: *James H. Sell*
(Signature)

APPROVED FOR PAYMENT
By: _____
(Signature)



RELIANCE TRUCK CO. FREIGHT BILL

PHOENIX, ARIZONA 85009 / PH. 258-3401

ASARCO, CO
TO: 1150 NORTH 7TH AVE
TUCSON, ARIZONA

37,661

R

A.D.C

SHIPPER
AIR EQUIP & DRILLING
SUPERIOR, AZ

AUG 31 1973

CONSIGNEE
SAME AS ABOVE
TUCSON, AZ

DATE	BILL OF LADING NUMBER							HAND TAG NO.
8/17/73								RT 17640
NO. PKGS.	DESCRIPTION AND MARKS	WEIGHT	MILES	HOURS	RATE	FREIGHT	TOTAL CHARGES	
	MOVING EQUIP ON JOBSITE XXXXXXXXXXXXXXXX PER FRANK BROWN OVERTIME 8/18/73 SUBSISTANCE FOR DRIVER			4.00 4.50 1.00	17.50 26.25 13.25	70.00 118.13 13.25	201.3	

SOLD AND ASSIGNED BY:
RELIANCE TRUCK CO. 4-67 AZ

*Receivable A.I.-1
New obligation*

PAY DIRECT TO

TRANSPORT CLEARINGS
P.O. BOX 2031 TERMINAL ANNEX
LOS ANGELES, CAL. 90057



RELIANCE TRUCK CO. FREIGHT BILL

PHOENIX, ARIZONA 85009 / PH. 258-3401

ASARCO, CO
TO: 1150 NORTH 7TH AVE
TUCSON, ARIZONA

37,661

R

A. D. C

SHIPPER
AIR EQUIP & DRILLING
SUPERIOR, AZ

AUG 31 1973

CONSIGNEE
SAME AS ABOVE
TUCSON, AZ

DATE	BILL OF LADING NUMBER	HAND TAG NO.					
8/17/73		RT 17640					
NO. PKGS.	DESCRIPTION AND MARKS	WEIGHT	MILES	HOURS	RATE	FREIGHT	TOTAL CHARGES
	MOVING EQUIP ON JOBSITE XXXXXXXXXXXXXX PER FRANK BROWN OVERTIME 8/18/73 SUBSISTANCE FOR DRIVER			4.00 4.50 1.00	17.50 26.25 13.25	70.00 118.13 13.25	201.38

*Pay by
check
or
cash*

James W. Bell

*Revised A.D.C.
New obligation*

SOLED AND ASSIGNED BY:
RELIANCE TRUCK CO. 4-67 AZ

PAY DIRECT TO

TRANSPORT CLEARINGS
P.O. BOX 2031 TERMINAL ANNEX
LOS ANGELES, CAL. 90057

Air Equipment & Drilling Inc.

Mailing address:
P.O. Box 1664
Bakersfield, Calif. 93302

4001 State Road
Bakersfield, California

September 14, 1973

Phone 805 399-8353

Portable Compressor
Equipment for:
Air & Gas Drilling,
Industrial use.

W. G. K.

SEP 17 1973

American Smelting & Refining Co.
P O Box 5747
Tucson, Arizona 85703

Gentlemen:

Enclosed please find our invoices covering the time on the core hole Al-1, and for air drilling your core hole A-7.

There will be additional charges for fuel to fill our tanks upon return to home base. We did not fill them in Arizona as it could have made an overload. They were delivered to your first site full.

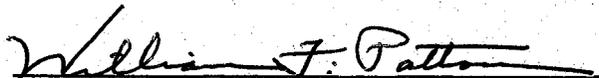
We will also bill you for rental of rotating head, and cost of rubbers used. There will also be a 5½" kelly bushing rental.

All of the tools requested by Mr. Crittenden in the way of subs, floats, etc. were returned and as they were not used, there is no charge for them.

We wish to thank you for the opportunity to work for you, and will look forward to furnishing air equipment in the future. We also have available a drilling rig capable of drilling to 5000', in the event you are interested.

Yours truly,

AIR EQUIPMENT & DRILLING, INC.


William F. Patton

WFP:mr
Encls.

Air Equipment & Drilling Inc.

Mailing address:
 P.O. Box 1664
 Bakersfield, Calif. 93302

4001 State Road
 Bakersfield, California

Portable Compressor
 Equipment for:
 Air & Gas Drilling,
 Industrial use.

Phone 805 399-8353

August 31, 1973

American Smelting & Refining Co.
 P O Box 5747
 Tucson, Arizona 85703

P.O. #T-73-339
 Core Hole Al-1
 Job: 1073

W.G.K.

SEP 17 1973

TO: Invoice you for additional equipment rental to air drill your core hole Al-1

Compressor rental (see schedule)	\$ 800.00 ✓
*Pickup mileage (round trip) 1260 mi @ 12¢/mi	151.20 ✓
Highway permits (5)	112.20 ✓
**Long distance telephone calls	14.86
	\$1,078.26 ✓

*Return to Bakersfield 8/9/73 to return rental tools ordered by H. Crittenden

**Long distance calls to locate tools per request of H. Crittenden 7/15 and 7/16, Copper Hills Motel Bill

DATE	LABOR		C O M P R E S S O R S						INJECTION EQUIPMENT	
	HRS	AMT	#79 HRS	AMT	#81 HRS	AMT	#83 HRS	AMT	DS	AMT
8/9			S	\$ 50.00	S	\$ 50.00	0	0	S	0
8/10			S	50.00	S	50.00	0	0	S	0
8/11			S	50.00	S	50.00	0	0	S	0
8/12			S	50.00	S	50.00	0	0	S	0
8/13			S	50.00	S	50.00	0	0	S	0
8/14			S	50.00	S	50.00	0	0	S	0
8/15			S	50.00	S	50.00	0	0	S	0
8/16			S	50.00	S	50.00	0	0	S	0
				<u>\$400.00</u>		<u>\$400.00</u>				
				400.00						
				\$800.00						

Permits	2 compressors tandem	\$ 37.20
	1 Compressor	23.00
	Injection & Pipe trlrs	38.00
	White pickup	8.00
	Red & white pickup	6.00
		\$112.20 ✓

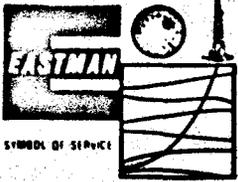
Est of Aug 6000.00
 Oct. Billing 112.20
 ((5,887.80))
 amt over estimated
 to be subtracted from Sept.

APPROVED FOR PAYMENT

By: _____
 (Signature)

APPROVED FOR PAYMENT

By: _____
 (Signature)



ORIGINAL INVOICE

EASTMAN OIL WELL SURVEY COMPANY

CONTROLLED DIRECTIONAL DRILLING — OIL WELL SURVEY SERVICE — BITS AND REAMERS

HOUSTON, TEXAS

ODESSA, TEXAS.

LONG BEACH, CALIF.

ALL ACCOUNTS PAYABLE IN HOUSTON, TEXAS

MAIL PAYMENTS TO P. O. BOX 14600 HOUSTON, TEXAS 77021

CHARGE TO: American Smelting and Refining Company
P. O. Box 5747
Tucson, Arizona 85703
ATTN: Jim Sell

NO.P-18510

DATE 8/30/73

YOUR ORDER NO.

TERMS: NET 15TH PROX.

403 11-070 SERVICE RENDERED

TICKET NO.

TOTAL

Directional Gyro Survey from surface to 2768' on 8/23/73

JT #20142

Total Footage:	2768'	\$ 660.00
Mileage:	260 miles @ \$.25	65.00
		<u>\$ 725.00</u>

Rawhide, Ariz.
A.I # 2/
H. Pitt
L8-4373

We hereby certify that amounts invoiced herein do not exceed the maximum levels established in accordance with Executive Order 11615 dated August 15, 1971 as superseded by Executive Order 11627 dated October 15, 1971.

TIME REPORTED	A.M. P.M.	BY:
TIME RELEASED	A.M. P.M.	BY:

See Aug Act

GREYHOUND BUSBILL Co. _____		98634223 6		FORWARDING AGENT	
DESTINATION STATION <i>Midland Texas</i>		5631133		<i>CO</i>	
CONSIGNEE <i>Eastman Whipstock Inc</i>		PHONE		MO. DAY YEAR TIME	
STREET ADDRESS		DEC. VALUE		9 19 73	
NO. OF PIECES <i>4</i>		ACTUAL WT. LBS.		A. M. P. M.	
CONTENTS		TARIFF WT. LBS.		EXPRESS CHARGES \$	
DIMENSIONAL WEIGHT INFORMATION		CONSIGNEE NOTIFIED		CHARGES ADVANCED \$	
SHIPPER'S NAME <i>Asarco</i>		MO. DAY YEAR		PICK UP CHARGES \$	
STREET ADDRESS		TIME		DELIVERY CHARGES \$	
ORIGIN CITY & STATE <i>Glendale, Ariz</i>		A. M. P. M.		VALUE CHARGES \$	
		ROUTING		SUB TOTAL \$	
		INSERT EACH COMPANY'S ABBREVIATION AND JUNCTION POINT ON LINES BELOW		STATE TAX \$	
		COMPANY TO		TOTAL PREPAID \$	
				<i>26.75</i>	

(NOT NEGOTIABLE) SUBJECT TO TARIFF REGULATIONS LIABILITY
 The carrier will not pay over \$50.00 for any shipment of 100 pounds or less, or 50¢ per pound actual weight for any shipment in excess of 100 pounds, unless a greater value is declared and charge such greater value paid. Maximum valuation any one shipment limited by tariff.

1 SHIPPER'S RECEIPT
 FORM O-17R (5-70) PRINTED IN U. S. A.

PREPAID \$	NO.	DATE	AMOUNT
<i>MA-0010 S.E. 26 day = 19.32</i>			<i>(4)</i>
<i>MA-0041 Rawhids 10 day = 7.43</i>			<i>(1)</i>

Return of Geolograph to Eastman Whipstock

Pro-rated:

26 day charge to MA-0010 S.E. = \$19.32

AI-1 10 day charge to MA-0041 Rawhids = 7.43

\$26.75

12/22/73

(4)

Braid Mud

The mud bill was (includg) est at 775.75 &
put on the Rawhide acct.

When the bill was sent down for signing,
it was stamped "Bolmer" & thus the accounting
charged it to Bolmer.

Rather than change the accounting system
at this time, I have deducted the est from
Rawhide & moved the total to Bolmer.

gls

NL Industries, Inc.
P.O. Box 1675 Houston, Texas 77001

[PLEASE QUOTE OUR INVOICE NUMBER(S)]

INVOICE DATE

INVOICE NO.

AUG 30, 1973

08 13717

AMERICAN SMELTING & REFG **A. D. C.**
P O BOX 5755
TUCSON ARIZ 85703

CUSTOMER ORDER NO.

DOCUMENT NO.

DATE SHIPPED

SEP 10 1973

1-73-402

DT 242925 08/24/73

AT #1 JO BARNES RIG

DIST. ST.

CUSTOMER CODE

WELL CODE

PAGE

0812 02

0177010

1

FROM: GLOBE

FOR: GLOBE

VIA ZONA SUPPLY TRK

TERMS:
NET 30 DAYS

QUANTITY	DESCRIPTION	UNIT PRICE	PER	AMOUNT
5	CAUSTIC SODA 50# BAG	11 590	BAG	57 95
3	SODA ASH 100# BAG	9 650	BAG	29 07
75	QUIK-GEL 50# BAG	3 250	BAG	243 75
3	CELLEX HI VISCOSITY 50# BAG	67 230	BAG	201 69
5	TANNEX 50# BAG	20 970	BAG	104 85
20	SURFLO W-300 5GA DRM 4- 5GA DRM	5 850	GAL	117 00
	ARIZONA SALES TAX	3 000	%	22 63

Belting = 776.94
Orig Est = 775.75
Belting
for Sept Oct. \$ 1.19

APPROVED FOR PAYMENT

James W. Bell
[Signature]

Seller represents and warrants that all of the goods or materials herein specified and/or the performance of the services covered by invoice have been produced and/or furnished in full compliance with the Federal Fair Labor Standards Act of 1938, as amended.

ADDRESS ALL CORRESPONDENCE REGARDING THIS INVOICE TO
P. O. BOX 1675, HOUSTON, TEXAS 77001

1

TOTAL → \$ 776 94

ORIGINAL

Diesel Receipts

Tucson

	Date	amt	Gallon	Supplier	Price
AI-1	8-1	195.25	907	5.0	0.209
	8-3	195.25	907	5.0	0.209
	8-6	195.25	907	5.0	0.209
	8-7	43.05	200	5.0	0.209
		<u>628.80</u>			

Part 27 in book

Diesel Receipts Tucson

AI-1

8-1	195.25	907
8-3	195.25	907
8-6	195.25	907
8-7	195.25	907

~~AT~~
~~8-21~~ ~~195.25~~

Standard Oil Co of Calif.

White Copy
Quarried.

Hole AI-1

8-07-73

43.05

gallons

200

Hole A-7

0.209

8-21-73

195.25

907

8-21-73

133.90

622

8-27-73

195.25

907

8-28-73

145.31

675

9-01-73

195.25

907

9-01-73

195.25

907

9-04-73

195.25

907

9-05-73

195.25

907

9-06-73

152.19

707

Signed & Sent to

C Newton

Sept. 21, '73

Diesel Pink Copies

Hole A-7

40.209	SO-Western	8-24-73	195.25	907
40.250	Dixon Oil	9-3-73	250.00	1000

Sent to
C Newton

Sept 21, '73

04.00 same

Please pay to order
shown on the back

DECERRIL'S MARKET
MIAMI, ARIZONA

Trailer Supplies
Bohno Project

11 JUN 63

610-20

A • 000215 T
SF • 0000.03
A • 0002.07 S
• CA 0000.69
• DA 0000.69
• BA 0000.69

3490 10 Sep 73
Office Supplies
USE 521-20
YELLOW PAPER

\$000.57 —
\$001.37 —
\$001.94 SUB
\$000.08 — TAX

①

9732 \$002.02 CASH

3490 ③

Superior East MA-0010
521-20
441-
② 9.15 - 73
DATE OF SALE

CREDIT CARD INVOICE 030469

DESCRIPTION	QTY.	PRICE	AMOUNT
GAS	8	36	5 00
PRICE AND AMOUNT INCLUDES ALL APPLICABLE FEDERAL, STATE & LOCAL TAXES		TOTAL CHARGE \$	3 00

TERMS: PAYABLE UPON RECEIPT OF MONTHLY STATEMENT

X CASH

PURCHASER'S SIGNATURE

WHITING BROS

WHITING STATIONS

45,500 milbosa

LICENSE NO. STATE AZ

PURCHASER'S CAR NO. PURCHASE ORDER NO.

②

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40

Thank You WE APPRECIATE YOUR BUSINESS.

Always show your P.O. Box No. and ZIP Code in your return address
SEE REGULATIONS ON REVERSE ORIGINAL 248

RECEIVED BOX RENT FROM (Name of patron) AMOUNT
Amer Smoothing Retaining \$1.80

With the understanding that his name, address and telephone number will not be disclosed except for law enforcement purposes or in response to a subpoena or court order. (See Section 261.23h of the Postal Service Manual)

BOX NO. 190 FOR THE PERIOD ENDING (Date)
9/30 12/31 3/31 6/30

POSTMASTER BY: 5/20

SEP 24 1973
MEMPHIS, TENN.
USA

PS FORM 1538 BOX RENT RECEIPT
MAR. 1972
MA-0041 610-25

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

October 1, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - Sept. 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

Boyles Brothers' CP-50 rig moved onto the cased drill hole AI-1 during the last week of September. They should be coring at 2768 ft. late that week or early this week.

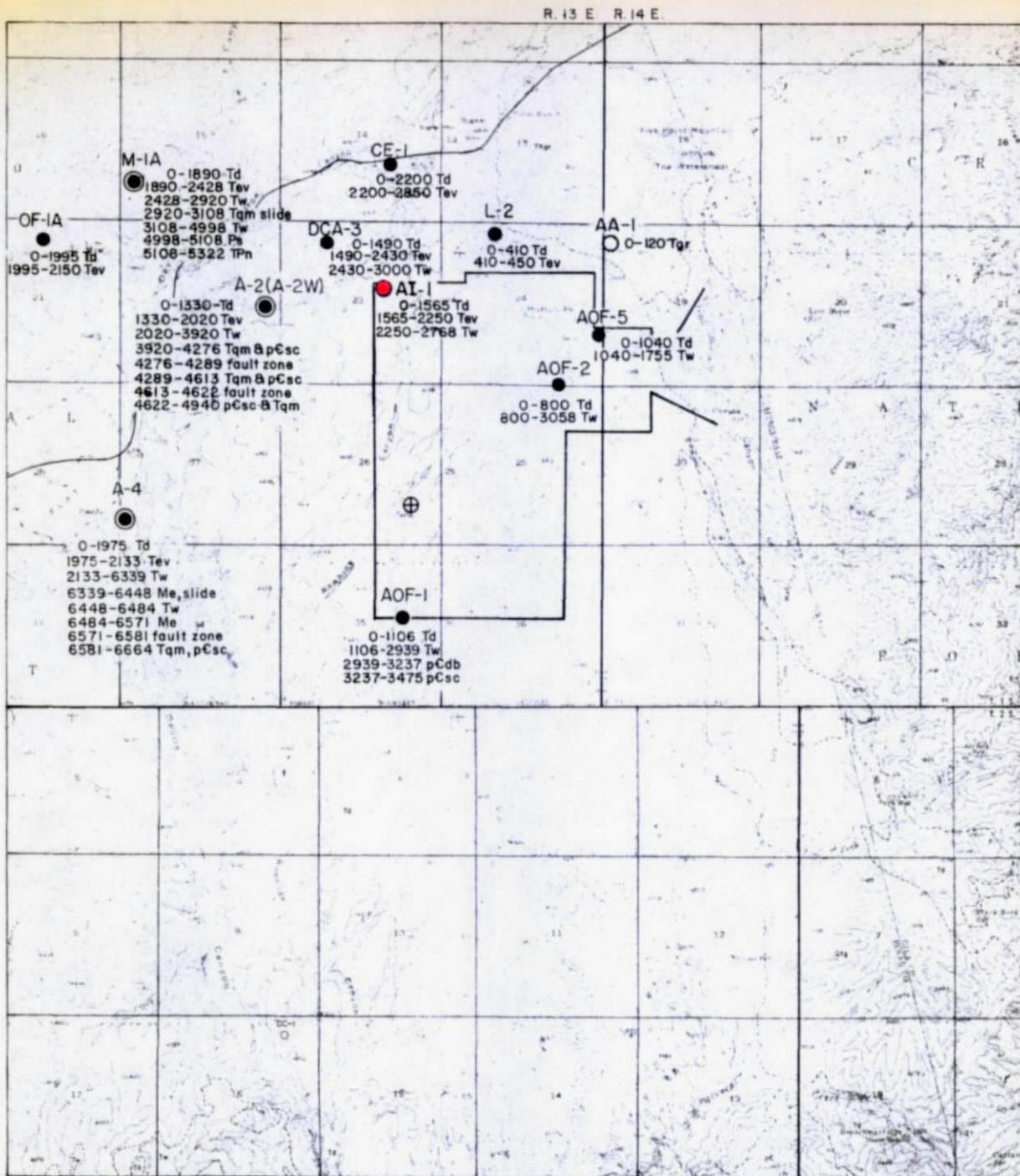
The Eastman computer run survey indicates the bottom of the hole is 9.88 ft. north and 120.34 ft. west of the collar and trending N75°W at 7° from vertical. A wedge will not be set, but the rotation of the core drilling should turn the direction more northerly.

P. Kayser's hole L-2, drilled just north of our LD boundary and some 3800 ft. northeast of AI-1, was rotaried (5") down to 450 ft. with the last part being in Earlier Volcanics. Verbal from R. Franks suggests that Kayser will put on a larger rig and drill a deep hole. As shown by the other holes near the eastern edge of the dacite, it would appear that a deep hole would be necessary.

Estimated balance is \$29,000.

James D. Sell
James D. Sell

JDS:1b
Attach.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
3475 pCsc
- ↙ Rock type
- ↘ Bottom hole depth
- ⊕ AI
Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist

TO ACCOMPANY *Monthly Report*
 DATED *October 1, 1973*
 BY *J.D. Sen*



DRILLING PROGRESS MAP
 for the month of *September 1973*

**ASARCO - ICC
 Joint Venture
 RAWHIDE PROJECT**

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile
 J.D.S.

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay - Other	\$	\$ <160.00>	\$ -!
507-10	Staking Claims - Salaries	41.00	<912.00>	154.00
507-20	- Supplies		178.34	179.94
507-25	- Services		4.00	4.00
507-29	- Traveling	7.50	<181.72>	28.70
507-35	- Add. Labor Expense	7.39	<123.87>	21.12
507-40	- Taxes		<24.12>	14.62
521-15	Surface Drilling - Wages		<105.75>	-
521-20	- Supplies	41.80	7058.57	13227.26
521-40	- Taxes	5.57	257.48	263.49
530-10	Geology - Salaries	127.00	926.00	1382.00
530-20	- Supplies		4.20	4.20
530-29	- Traveling		69.45	107.25
530-35	- Add. Labor Expense	15.47	122.47	185.49
540-10	Sampling, Assaying, Laboratory - Salaries		366.00	366.00
540-29	- Traveling		7.50	7.50
540-35	- Add. Labor		60.63	60.63
570-10	Engineering - Salaries		37.58	135.00
570-20	- Supplies		<13.47>	-
570-29	- Traveling		<13.00>	-
570-35	- Add. Labor Expense		8.46	23.22
600-10	General Administration - Salaries		640.00	640.00
620-20	- Supplies	.72	22.16	25.12
620-25	- Services		1658.00	1694.00
620-29	- Traveling		41.55	41.55
620-35	- Add. Labor		114.93	114.93
620-40	- Taxes	2.79	14.69	263.52
620-48	- Other		<100.00>	-
641-49	Distributable Accounts - Autos	128.90	966.84	1396.90
521-10	Surface Drilling - Salaries		1842.00	1842.00
521-29	- Traveling		338.20	338.20
521-34	- Freight	7.43	2645.62	2645.62
521-35	- Add. Labor		293.28	293.28
580-25	Construction - Temporary Services		15727.37	15727.37
610-20	Field Administration - Supplies		10.47	10.47
610-25	- Services		640.61	640.61
610-30	- Communications	1.80	183.13	183.13
610-40	- Taxes		4.2	4.2
521-25	Surface Drilling - Services	2381.20	65820.63	65820.63
540-20	Sampling, Assaying, Laboratory - Supplies		164.22	164.22
540-40	- Taxes		6.43	6.43
610-29	Field Administration - Traveling	4.00	4.00	4.00
		<u>\$ 2772.57</u>	<u>\$98601.30</u>	<u>\$108017.30</u>

Authorized
 Expended

\$150000.00
108017.30

Unexpended

\$ 41982.70



CONTRACTORS-ENGINEERS
General Offices and Plant

1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110

Cable: BOYLESKO
Telex: 388-321

*AMERICAN SMELTING + Refining CO.
P.O. Box 5747
TUCSON, ARIZ. 85705*

BRANCH OFFICES
PHOENIX, ARIZONA
GOLDEN, COLORADO
SPARKS NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
SANTIAGO, CHILE
Cable: BOYLESBROS
LIMA, PERU
Cable: BOYLESKO
MEXICO CITY, MEXICO
telex: 001774546

MINOR CORE DRILLING
TARY DRILLING
ROUTING
UNDATION TESTING
MINOR DRILLING EQUIPMENT
ILLING MOTIVES
DEGROUND EXCAVATION
AFT SINKING
MINEL DRIVING
VE PLANT DESIGN
AND FABRICATION

INVOICE DATE: *10/26/73*
ORDER NUMBER:
VOICE NUMBER:
CONTRACT: *6-664*
TERMS:
LOCATION: *Rawhide*

Hole No.	From	To	Footage	Rate	Total
<i>AI-1</i>					
<i>VC core</i>	<i>2800'</i>	<i>3000'</i>	<i>200'</i>	<i>14.10</i>	<i>2,820.00</i>
<i>" "</i>	<i>3000'</i>	<i>3272'</i>	<i>272'</i>	<i>15.60</i>	<i>3,243.20</i>
<i>IX core</i>	<i>3272'</i>	<i>3367</i>	<i>95'</i>	<i>14.35</i>	<i>1,363.25</i>
<i>et-up time</i>		<i>42 hrs.</i>		<i>35.00</i>	<i>1,470.00</i>
<i>ment time</i>		<i>88 1/2 hrs</i>		<i>35.00</i>	<i>3,097.50</i>
<i>illing of steel</i>		<i>29 hrs</i>		<i>35.00</i>	<i>1,015.00</i>
<i>ble Reduction</i>		<i>18 hrs</i>		<i>35.00</i>	<i>630.00</i>

LOCATION: *RAWHIDE*

Hole No.	From	To	Footage	Rate	Total
<i>AI-1</i>					
<i>Waiting on cement to set</i>			<i>47 1/2 hrs</i>	<i>32.50</i>	<i>1,543.75</i>
<i>Stand-By</i>			<i>30 hrs</i>	<i>32.50</i>	<i>975.00</i>
<i>Water Haulers (no over time) plus taxes</i>			<i>72 hrs</i>	<i>3.65</i>	
<i>Water truck Rental</i>	<i>1 Month</i>			<i>325.00</i>	<i>325.00</i>
<i>Mileage</i>	<i>162 Miles</i>		<i>7,426.45 = 43%</i> <i>17,131.30</i>	<i>.30</i>	<i>48.60</i>

*3.65
1.72
1.30
25.55
262.50*

120



DIAMOND CORE DRILLING
 ROTARY DRILLING
 GROUTING
 FOUNDATION TESTING
 DIAMOND DRILLING EQUIPMENT
 DRILLING ADDITIVES
 UNDERGROUND EXCAVATION
 SHAFT SINKING
 TUNNEL DRIVING
 MINE PLANT DESIGN
 AND FABRICATION

CONTRACTORS-ENGINEERS
 General Offices and Plant
 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
 SALT LAKE CITY, UTAH 84110
 Cable: BOYLESICO
 Telex: 388-321

BRANCH OFFICES
 PHOENIX, ARIZONA
 GOLDEN, COLORADO
 SPARKS, NEVADA
 SPOKANE, WASHINGTON
 MURFREESBORO, TENNESSEE
 SANTIAGO, CHILE
 LIMA, PERU
 cable: BOYLESBROS
 cable: BOYLESICO
 MEXICO CITY, MEXICO
 telex: 001774546

INVOICE DATE: *10/26/73*
 ORDER NUMBER:
 INVOICE NUMBER:
 CONTRACT: *6-664*
 TERMS:
 LOCATION: *Rawhide*

American Smelting + Refining Co.
P.O. Box 5747
TUCSON, ARIZ. 85705

Hole No.	From	To	Footage	Rate	Total
<i>AI-1</i>					
<i>WC core</i>	<i>2800'</i>	<i>3000'</i>	<i>200'</i>	<i>14.10</i>	<i>2,820.00</i>
<i>" "</i>	<i>3000'</i>	<i>3272'</i>	<i>272'</i>	<i>15.60</i>	<i>3,243.20</i>
<i>NX core</i>	<i>3272'</i>	<i>3367</i>	<i>95'</i>	<i>14.35</i>	<i>1,363.25</i>
<i>Set-up time</i>		<i>42 hrs.</i>		<i>35.00</i>	<i>1,470.00</i>
<i>Cement time</i>		<i>88 1/2 hrs</i>		<i>35.00</i>	<i>3,097.50</i>
<i>Drilling on steel</i>		<i>29 hrs</i>		<i>35.00</i>	<i>1,015.00</i>
<i>Hole Reduction</i>		<i>18 hrs</i>		<i>35.00</i>	<i>630.00</i>

DIAMOND CORE DRILLING
 BORE HOLE DRILLING
 TESTING
 FOUNDATION TESTING
 DIAMOND DRILLING EQUIPMENT
 DRILLING ADDITIVES
 UNDERGROUND EXCAVATION
 SHAFT SINKING
 TUNNEL DRIVING
 MINE PLANT DESIGN
 AND FABRICATION



CONTRACTORS-ENGINEERS
 General Offices and Plant
 1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
 SALT LAKE CITY, UTAH 84110
 Cable: BOYLES COP
 Telex: 388-321

BRANCH OFFICES
 PHOENIX, ARIZONA
 GOLDEN, COLORADO
 SPARKS, NEVADA
 SPOKANE, WASHINGTON
 MURFREESBORO, TENNESSEE
 SANTIAGO, CHILE
 cable: BOYLESBROS
 LIMA, PERU
 cable: BOYLES COP
 MEXICO CITY, MEXICO
 telex: 001774546

INVOICE DATE: 10/26/73
 ORDER NUMBER:
 INVOICE NUMBER:
 CONTRACT: 6-664
 TERMS:
 LOCATION: Rawhide

Hole No.	From	To	Footage	Rate	Total
AI-1					
	Waiting on Cement to set		47 1/2 hrs	32.50	1,543.75
	Stand-By		30 hrs	32.50	975.00
	Water Haulers (no over time) plus taxes		72 hrs	3.65	
	Water Truck Rental	1 Month		325.00	325.00
	Mileage	162 Miles		.30	48.60

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

October 31, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - Oct. 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

Boyles Brothers commenced coring of AI-1 during the month. Problems, mostly mechanical on the rig, have plagued Boyles and, after changing most of the motors and hydraulic pumps on the rig and not solving the problems, they are now in the process of changing rigs. The first 472 feet (starting at 2800) were cored NC before reduction to NX coring.

Synopsis of the rock units is as follows:

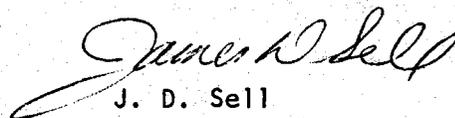
0-1565	Tertiary Dacite
1565-2250	Tertiary Earlier Volcanics
2250-3073	Tertiary Whitetail Conglomerate
3073-3240	Precambrian Pinal Schist Breccia
3240-3324	Precambrian Pinal Schist and aplites

Some native copper is found in the Whitetail Conglomerate.

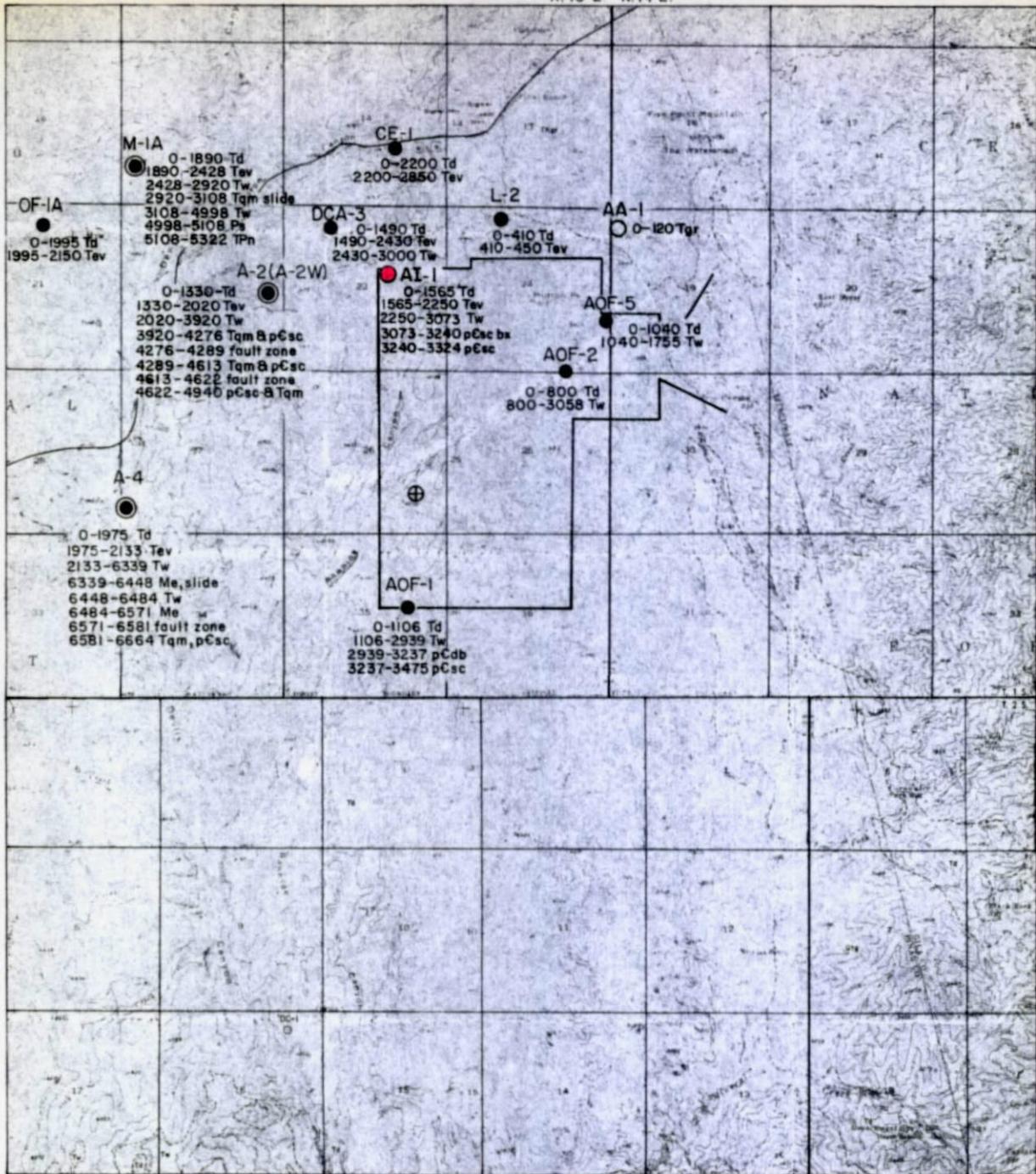
The Schist Breccia is probably a slide block and contains variably altered fragments of Pinal Schist and Tertiary Schultze Granite set in a highly altered (quartz-sericite) and hematized matrix. All the Breccia block is leached of its sulfide content. A heavy gouge zone separates the oxidized and leached Breccia block from the underlying unoxidized block.

The underlying unoxidized block of Pinal Schist, which is cut by veinlets and dikelets of quartz and aplites (porphyry), contains weak and variable alteration and variable amounts of pyrite and chalcopyrite. The chalcopyrite content appears to be increasing with depth, although the overall total sulfide content appears to be staying less than 0.5%. The core will be split and assayed.

Unexpended balance is \$5,000.


J. D. Sell

JDS:lb
Attach.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
3475 pCsc
↙ Rock type
↘ Bottom hole depth
- ⊕ A1
⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dolomite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPh - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist



DRILLING PROGRESS MAP
for the month of OCTOBER

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA
SCALE: 1" = 1 mile

J.D.S.

SOUTHWESTERN EXPLORATION DIVISION

26th Sept. thru
25th Oct., 1973

MONTHLY COST SUMMARY

Well MA-0041

Project,

Pinal
(County)

Arizona
(State)

ACT DRILLING (Acct. 521-)

TRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

Air Equipment

1,831.29

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Eastman Geophysical

38,40 E.

~~Boyle Brothers~~

Boyle Brothers

Supplies and Freight

Fitchfield (T# 00159)

1231.57

Field Trailer Rental

Water Purchases (Drilling)

E PREPARATION (Acct. 580-)

TRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

Bryant Cont. (Oct. 2) (#957.50)

+ 207.56

*sent over last cost
submitted last month.*

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Supplies and Freight

MOND CORE DRILLING
 TARY DRILLING
 OUTING
 UNDATE TESTING
 MOND RILLING EQUIPMENT
 ILLING ADDITIVES
 DERGROUND EXCAVATION
 APT SINKING
 NNEL DRIVING
 VE PLANT DESIGN
 AND FABRICATION



CONTRACTORS-ENGINEERS
 General Offices and Plant

1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
 SALT LAKE CITY, UTAH 84110

Cable: BOYLES CO
 Telex: 388-321

*AMERICAN Smelting & Refining Co.
 P.O. Box 5747
 TUCSON, ARIZ. 85705*

BRANCH OFFICES
 PHOENIX, ARIZONA
 GOLDEN, COLORADO
 SPARKS, NEVADA
 SPOKANE, WASHINGTON
 MURFREESBORO, TENNESSEE
 SANTIAGO, CHILE
 cable: BOYLESBROS
 LIMA, PERU
 cable: BOYLES COP
 MEXICO CITY, MEXICO
 telex: 001774546

INVOICE DATE: *10/26/73*
 ORDER NUMBER:
 VOICE NUMBER:
 CONTRACT: *6-664*
 TERMS:
 LOCATION: *Rawhide*

Hole No.	From	To	Footage	Rate	Total
<i>AI-1</i>					
<i>NC core</i>	<i>2800'</i>	<i>3000'</i>	<i>200'</i>	<i>14.10</i>	<i>2,820.00</i>
<i>" "</i>	<i>3000'</i>	<i>3272'</i>	<i>272'</i>	<i>15.60</i>	<i>3,243.20</i>
<i>UX core</i>	<i>3272'</i>	<i>3367</i>	<i>95'</i>	<i>14.35</i>	<i>1,363.25</i>
<i>set-up time</i>		<i>42 hrs.</i>		<i>35.00</i>	<i>1,470.00</i>
<i>mot time</i>		<i>88 1/2 hrs</i>		<i>35.00</i>	<i>3,097.50</i>
<i>filling of steel</i>		<i>29 hrs</i>		<i>35.00</i>	<i>1,015.00</i>
<i>ble Reduction</i>		<i>18 hrs</i>		<i>35.00</i>	<i>630.00</i>

LOCATION: *Rawhide*

Hole No.	From	To	Footage	Rate	Total
<i>AI-1</i>					
<i>waiting on cement to set</i>			<i>47 1/2 hrs</i>	<i>32.50</i>	<i>1,543.75</i>
<i>stand-by</i>			<i>30 hrs</i>	<i>32.50</i>	<i>975.00</i>
<i>water haulers (no over time) plus taxes</i>			<i>72 hrs</i>	<i>3.65</i>	
<i>water truck rental</i>		<i>1 month</i>		<i>325.00</i>	<i>325.00</i>
<i>Mileage</i>		<i>162 miles</i>		<i>.30</i>	<i>48.60</i>

Air Equipment & Drilling Inc.

4001 State Road
Bakersfield, California

A. D. C

OCT 12 1973

Portable Compressor
Equipment for:
Air & Gas Drilling.
Industrial use.

Mailing address:
P. O. Box 1664
Bakersfield, Calif. 93302

Phone 805 399-8353

October 8, 1973

American Smelting & Refining
P O Box 5747
Tucson, Arizona

PO: T-73-339

TO: Invoice you for equipment rented, and supplies furnished, to air drill your core holes A-1 and A-7 as per invoices attached.

H & H Oil Tool Co., Inc.	Inv. #15523	\$ 437.50
" " " " "	Inv. #15540 CM	(237.50)
Grant Oil Tool Co.	Inv. 40033	3,462.58
J. B. DeWar, Inc.	Inv. 018628	209.83
		<u>\$3,872.41</u>

32-38
3,642.58

Rented:

AI-1 = 1,831.29

A-7 = 204.12

3,872.41

APPROVED FOR PAYMENT

By: _____
(Signature)

APPROVED FOR PAYMENT

By: _____
(Signature)

Air Equipment & Drilling Inc.

Mailing address:
P.O. Box 1664
Bakersfield, Calif. 93302

Phone 805 399-8353

4001 State Road
Bakersfield, California

October 9, 1973

Portable Compressor
Equipment for:
Air & Gas Drilling,
Industrial use.

American Smelting & Refining Co.
P O Box 5747
Tucson, Arizona 85703

A. D. C.

OCT 12 1973

Gentlemen:

Enclosed please find our invoice in the amount of \$3,872.41 covering rental of equipment and fuel for the compressors.

We have had quite a problem getting the invoices adjusted. We had been charged \$927.50 in addition to the \$3,462.50 by Grant Oil Tool Company. The stabilizer rubbers were a duplication and the kelly was charged to us as a purchase, when it was taken out as a rental. They have cancelled the entire invoice of \$927.50, so that all that is owed is the larger amount. You may take the discount of \$16.36 if paid prior to October 18th.

H & H Oil Tool had charged us \$437.50 for rentals on equipment ordered by Mr. Crittenden, which were never used. I wrote them a letter, a copy of which is enclosed, and they said they did not realize it hadn't been used, but the best I could do was to get \$237.50 credit as the equipment had been out over 50 days.

The fuel charged is the amount necessary to fill our tanks on the return from Arizona. It was difficult to get fuel there, and it is cheaper here. Also, we were afraid we would be overweight if we filled our tanks before going on the highway.

We trust that our invoice, with supporting invoices, together with copies of the letters, is self explanatory.

Yours truly,

AIR EQUIPMENT & DRILLING, INC.


William F. Patton

WFP:mr
Encls.



DEWAR

INC.
DISTRIBUTOR OF PETROLEUM PRODUCTS



018628

197 SOUTH HIGUERA STREET
SAN LUIS OBISPO, CALIFORNIA
543-0180

PASO ROBLES 238-0634

SANTA MARIA 925-4061

A. D. C.
CT 12 1973

SOLD TO		CASH	CHG	REC'D ON ACCT
<i>Aer Equip. & Drilling</i>			<i>X</i>	
ADDRESS		DATE		
<i>Bakersfield</i>		<i>9/29/73</i>		
DELIVERED BY	RECEIVED BY			
<i>Am</i>	<i>R. Manning</i>			

DESCRIPTION	GALLONS	PRICE	AMOUNT
GULF NO NOX			
GULF GOOD GULF			
GULF GULFTANE			
GULF REG			
WHITE GAS			
DIESEL <i>R.M.</i>	<i>1070</i>	<i>18⁵</i>	<i>197 95</i>
LIGHT DIESEL <i>Arizona job</i>			
KEROSENE			
SOLVENT			
STATE USE TAX ON DIESEL			
FEDERAL TAX ON DIESEL			
SALES TAX <i>% Bill & Am Sm</i>			<i>11 88</i>
TOTAL			<i>209 83</i>

This invoice includes California State License Tax on "Motor Vehicle Fuel" and Federal Excise Tax on Gasoline

All past due balances are subject to a 1% SERVICE CHARGE per month or 18% PER ANNUM.

SERVICE IS OUR BEST PRODUCT
DELIVERY COPY

Thank You!

October 1, 1973

A. D. C.

OCT 12 1973

Grant Oil Tool Company
2042 E. Vernon Avenue
Los Angeles, Ca 90058

Gentlemen:

Enclosed please find your invoice dated August 29, 1973. You have invoiced us for 2 - Drilling Head stripper rubbers, and 1 - 5 $\frac{1}{4}$ " Square kelly bushing.

The kelly bushing was out on rental and returned to your Ventura office. We were charged for 50 days on the rental, and we were also charged for 5 - stripper rubbers at \$295.00 each. This is the total number of rubbers used, as we returned one, so that there is a duplication of charges.

We are, therefore, returning your invoice for credit.

Yours truly,

AIR EQUIPMENT & DRILLING, INC.

William F. Patton

WFP:mr

Encl.

cc: Avenue Oil Tool Company
Ventura

October 1, 1973

A. D. C

OCT 12 1973

H & H Oil Tool Company, Inc.
P O Box 31
Santa Paula, Ca 93060

Gentlemen:

We received your delivery ticket #16145 from Grant Oil Tool Company. The total amount is \$437.50 for a spool and flange, together with nuts and bolts.

This equipment was never used, and we just believe the charge was excessive in this instance. We would appreciate it if you would review this and give consideration for giving us credit for at least a part of it.

Yours truly,

AIR EQUIPMENT & DRILLING, INC.

William F. Patton

WFP:mr



GRANT OIL TOOL COMPANY

MacCLATCHIE DIVISION



COSASCO DIVISION

2042 EAST VERNON AVENUE - LOS ANGELES, CALIFORNIA 90068
TELEX 67-3653 PHONE (213) 232-8167

NO 40033

DELIVERED TO Air Equipment & Drilling Inc. RIG NO. _____

LOCATION _____

CITY Bakersfield STATE California

SOLD TO Air Equipment & Drilling Inc.
P. O. Box 1664
Bakersfield, California 93302

A. D. C.
OCT 12 1973

INVOICE DATE	9/28/73
BRANCH	Ventura
PICK-UP TICKET NO.	850237
PICK-UP TICKET DATE	9/18/73
DELIVERY TICKET NO.	101820, 5140
DELIVERY TICKET DATE	7/14/73, 8/14/73
CUSTOMER P. O. NO.	NOR
CUSTOMER REQ. NO.	
ORDERED BY	
GRANT REF. NO.	

SHIPPED VIA _____

TERMS: 1/2 of 1% 10 days. Net 30

QUANTITY	UNIT	SIZE	DESCRIPTION	UNIT PRICE	TOTAL
1	Only	12"	Series 900 rotating drilling head - 50 days rental @\$30.00 per day		1,500.00
1	Only	6"	Series 600 companion flange - 50 days rental @\$1.10 per day		55.00
1	Set	1"	Studs & nuts - 50 days rental @.40¢ per day		20.00
1	Set	1-1/8"	Studs & nuts - 50 days rental @.50¢ per day		25.00
1	Only	5-1/4"	#115389 Drilling head kelly bushing - 50 days rental @\$1.10 per day		55.00
1	Only	4-1/2"	Drilling head starting mandrel - rental		10.00
1	Only	3-1/2"	Drilling head starting mandrel - rental		10.00
1	Only	R45	#114883 Metal ring gasket - Sale		7.75
1	Only	R57	#115234 Metal ring gasket - Sale		14.50
2	Only	4-1/2"	#114507 Drilling head stripper rubbers	295.00	590.00
3	Only	3-1/2"	#112784 Drilling head stripper rubbers	295.00	885.00
					3,172.25
6% California Sales Tax					190.33
Transportation charges					100.00
					3,462.58

EFFECTIVE JANUARY 1, 1970, INTEREST AT 3% PER MONTH WILL BE BILLED SEPARATELY EACH MONTH ON ALL ACCOUNTS IN EXCESS OF 30 DAYS PAST DUE.

INVOICE MAILED 10/5/73 \$ 16.36 DISCOUNT ALLOWED IF PAID BY 10/18/73

SEE REVERSE SIDE — TERMS AND CONDITIONS — WARRANTY AND RESPONSIBILITY. NO 40033



GRANT OIL TOOL COMPANY

MacCLATCHIE DIVISION



COSASCO DIVISION

2042 EAST VERNON AVENUE - LOS ANGELES, CALIFORNIA 90058
TELEX 67-3653 PHONE (213) 232-8167

NO C/M 35088

DELIVERED TO Air Equipment & Drilling RIG NO. _____

LOCATION _____

CITY Bakersfield STATE California

SOLD TO Air Equipment & Drilling
P. O. Box 1664
Bakersfield, California 93302

A. D. C
OCT 12 1973

INVOICE DATE	9/28/73
BRANCH	Bakersfield
PICK-UP TICKET NO.	
PICK-UP TICKET DATE	
DELIVERY TICKET NO.	5140
DELIVERY TICKET DATE	8/14/73
CUSTOMER P. O. NO.	
CUSTOMER REQ. NO.	
ORDERED BY	
GRANT REF. NO.	

SHIPPED VIA _____

TERMS: 1/2 of 1% 10 days. Net 30

QUANTITY	UNIT	SIZE	DESCRIPTION	UNIT PRICE	TOTAL
To cancel our invoice #35043, dated 8/39/73:					
1	Only	3-1/2"	#115406 Drilling head stripper rubber		275.00
1	Only	4-1/2"	#115399 Drilling head stripper rubber		275.00
1	Only	5-1/4"	#115389 Square kelly bushing		<u>325.00</u>
					875.00
			6% California Sales Tax		<u>52.50</u>
					927.50

EFFECTIVE JANUARY 1, 1970, INTEREST AT 1 1/2% PER MONTH WILL BE BILLED SEPARATELY EACH MONTH ON ALL ACCOUNTS IN EXCESS OF 30 DAYS PAST DUE.

Memo only
WJG

VOICE MAILED 10/5/73 \$ _____ DISCOUNT ALLOWED IF PAID BY _____

SEE REVERSE SIDE — TERMS AND CONDITIONS — WARRANTY AND RESPONSIBILITY. NO C/M 35088

INVOICE



ACCOUNTING OFFICE - P. O. BOX 31 - SANTA PAULA, CALIF. 93060 - phones 525-2819 & 647-5595
YARD - 18286 E. TELEGRAPH ROAD - SANTA PAULA, CALIF. 93060 - phones 525-2819 & 647-5595
BRANCH - 301 S. BROADWAY - ORCUTT, CALIF. - 93454 - phone 937-6035
DAY OR NITE TELEPHONES - 525-2819 / 647-5595 / 937-6035

15540

RENTED TO *IN ...*

A. D. C.
OCT 12 1973

TERMS

Net 30 days unless otherwise specified

DATE	DATE SHIPPED	CUS. ORD. NO.	WELL NAME & NUMBER	DEL TICKET NO.	AMOUNT
					(237.50)

Credit Invoice 15523

Handwritten notes and signatures in the bottom right corner.

Estimate Whipstock

Billing Est on Use of Geologist
for AI-1 & A-7 Separated.

Total of 30 days use @ \$4⁵⁰/day = \$144.00

Separated:

AI-1 8 days @ 4⁵⁰ = \$38.40

A-7 22 days @ 4⁵⁰ = \$105.60

\$144.00

TAXABLE AT RATE OF: 14
 P.P. OR FREIGHT: none

SHIPPING TICKET NO. 00159

FLUIDRILL INC.

CUSTOMER P.O. NO. T-73-511

SHIP VIA Zona Supply Truck

P. O. BOX 19117 / SALT LAKE CITY, UTAH 84119 / PHONE (801) 487-1171

NAME AND PHONE NO. OF PERSON CALLING ORDER IN Mr. Harold Stone

NO. CONTAINERS 40

WEIGHT 2500#

SHIPPED FROM INV. ACCT. NO. 1450

DATE ORDERED 10/25/73

ACCT'S REC. NO.

ORDER FILLED BY Bill Little

DATE SHIPPED 10/25/73

FORM JOB NO. RAW HIDE

SOLD TO: ASARCO
P.O. BOX 5747
Tucson, Arizona 85703

SHIP TO: Location # AI# 1

ORDER REFERENCE			
ITEM NO.	D/C	P.O. NO.	VENDOR

ITEM NO.	QUAN. ORD.	PART NUMBER OR UNIT WEIGHT	QUAN. SHIPPED	BACK ORDERED	DESCRIPTION	ACCOUNT OR JOB CHARGE	SUB CODE	CONTROL NUMBER	UNIT PRICE	DISC.	AMOUNT
1	10		10		Drilling Mud # 10			17-1119	55.00		550.00
2	10		10		Drilling Mud # 11			17-151	29.25		292.50
3	7		7		Formaldehyde (5 gal.)			17-156	31.85		222.95
4	10		10		Fondu (cement)			17-137	11.15		111.50
5	3		3		Lime			17-171	2.45		7.35
6											
7											
8											
9											
10											1184.20
11									4% TAX		47.37
12									TOTAL		1231.57
13											
14											
15											
16											
17											
18											
19											

STOCK COPY

Bryant Construction Co.
843 Spray Street
Superior, Ariz.

October 2, 1973

American Smelting & Refining Co.
Box 5747
Tucson, Ariz.

W. C. ...
OCT - 2 1973

ASARCO'S Devils Canyon--East Barns #1 Location: A-51

1 1/2 Yard Loader @ \$20.00 hr.

Aug. 8	dug mud pit for Barnes rig transportation on loader	4 hrs	\$80.00 40.00
			<u>\$120.00</u>
Sept. 26	dug mud pits for Boyles at Barnes #1 location transportation on loader	4 hrs	80.00 40.00
			<u>\$120.00</u>

125 Compressor with Drilling Equipment, two men @ \$120.00 per 8 hr. shift:

Sept. 6	drilled two 10 ft. assesment holes Devils Canyon east	4 hrs	
25	drilling Boyles mud pits	8	
26	drilling & blasting Boyles mud pits	6	
	\$15.00 per hour	<u>18 hrs</u>	\$270.00
	blasting supplies (invoice #98973)		94.67
			<u>\$364.67</u>

International Dozer & Ripper @ \$32.50 hr.

Sept. 7	building water tank below Barns #1 location	6 hrs	
8	building water tank below Barns #1 location	4	
		<u>10 hrs</u>	\$325.00

Total	\$929.67
State Tax	27.89
	<u>\$957.56</u>

Bohme Ranch Project:

1 1/2 yard crawler loader with operator @ \$20.00 hr.

Sept. 28	filling in mud pits & cleaning up 3 drill locations transportation on loader	10 hrs	\$200.00 80.00
			<u>\$280.00</u>
			State Tax 8.40
			<u>\$288.40</u>

APPROVED FOR PAYMENT

By: R. B. ...
(Signature) 10/9/73

APPROVED FOR PAYMENT

By: _____
(Signature)

MANAGERS

DIAMOND CORE DRILLING
 ROTARY DRILLING
 GROUTING
 FOUNDATION TESTING
 DIAMOND DRILLING EQUIPMENT
 DRILLING ADDITIVES

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS
 General Offices and Plant

1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
 SALT LAKE CITY, UTAH 84110
 Cable: BOYLES CO
 Telex: 388-321

A. D. C.
NOV 1 1973

BRANCH OFFICES
 PHOENIX, ARIZONA
 GOLDEN, COLORADO
 SPARKS, NEVADA
 SPOKANE, WASHINGTON
 MURFREESBORO, TENNESSEE
 IRONWOOD, MICHIGAN
 SANTIAGO, CHILE
 cable: BOYLESBROS
 LIMA, PERU
 cable: BOYLES CO
 MEXICO CITY, MEXICO
 telex: 001774546

American Smelting & Refining Company
 P. O. Box 5747
 Tucson, Arizona 85705

COPY

INVOICE DATE: **October 31, 1973**
 ORDER NUMBER:
 INVOICE NUMBER:
 CONTRACT: **6-664**
 TERMS:
 LOCATION: **Rawhide, Arizona**

Hole No.	From	To	Footage	Rate	Total
AI-1 - NC Core	2800	3000	200	14.10	2,820.00
	3000	3272	272	15.60	4,243.20
IX Core	3272	3367	95	14.35	1,363.25
Set-up Time			42 Hrs.	35.00	1,470.00
Cement Time			88½ Hrs.	35.00	3,097.50
Drilling on Steel			29 Hrs.	35.00	1,015.00
Hole Reduction			18 Hrs.	35.00	630.00
Waiting on Cement to Set			47½ Hrs.	32.50	1,543.75
Standby Time			30 Hrs.	32.50	975.00
Water Haulers Wages (No Overtime)			72 Hrs.	3.65	262.80
Payroll Taxes			32%	262.80	84.10

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

December 4, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

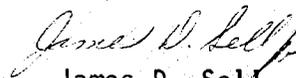
Monthly Report - Nov. 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

Boyles Brothers continued coring during the month and the hole AI-1 was terminated at 3967 feet. As reported last month, the lower part of the hole below 3240 is Pinal Schist, which is cut by variable amounts of quartz (several stages), aplites, and quartz-feldspar veinlets. The rock appears weakly altered, but probably is within a porphyry core system with the veinlets of magnetite and an unidentified clay (anhydrite(?)-alunite(?)). Variable amounts of pyrite-chalcopyrite occur as finely disseminated and along milky quartz veins and quartz-feldspar veinlets. The ratio of chalcopyrite to pyrite is high and probably reaches 90-10 for most of the section cut, with the total sulfides estimated at less than 0.5% overall.

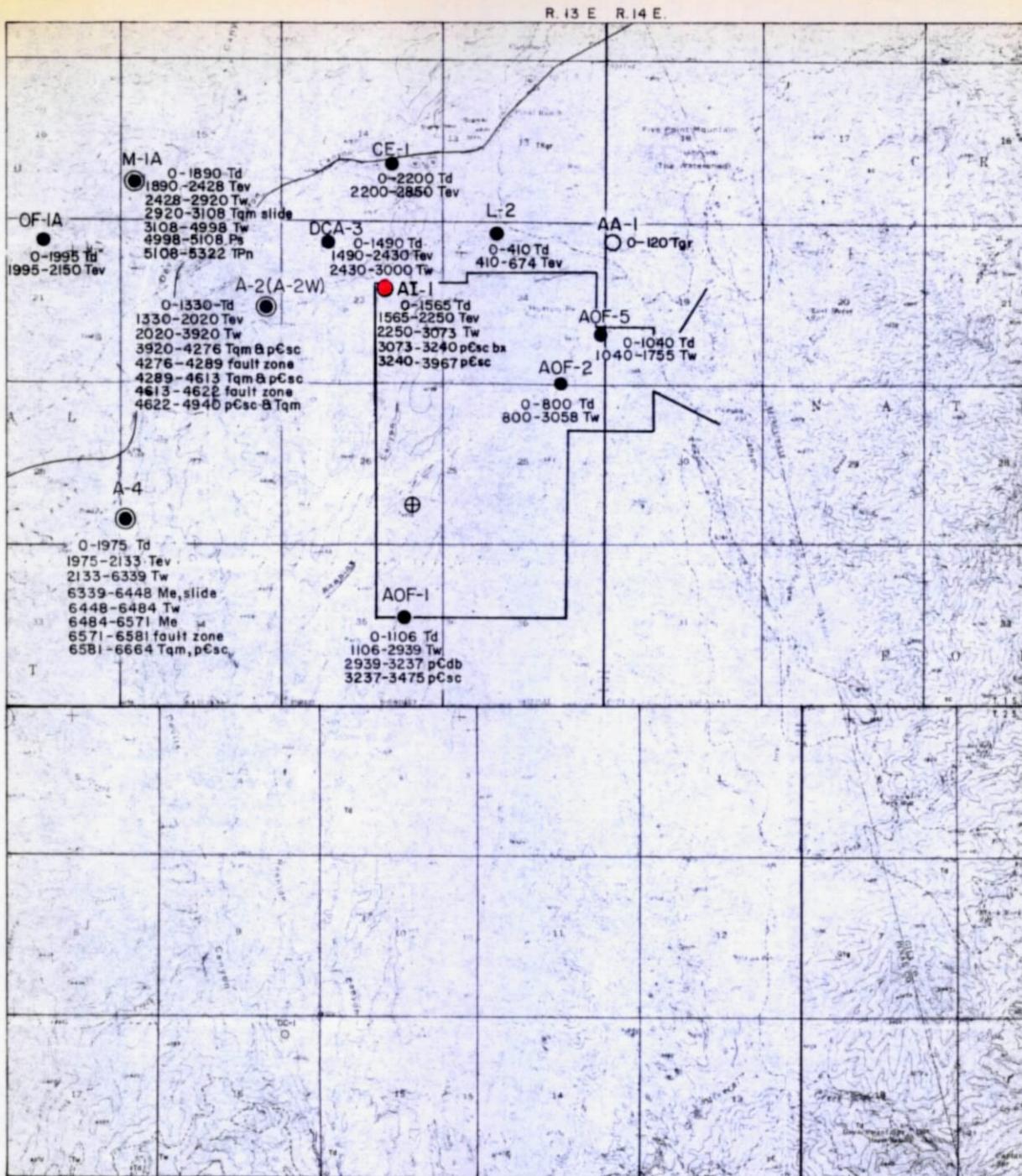
The footage from 3240 to 3519 feet has been split and assayed. This 279 feet averages 0.141% copper with low lead, zinc, and moly values. The remaining 448 feet are being split and a few scattered results suggest a slightly lower average for the remainder of the hole.

Geophysical crews have placed 4220 feet of steel I.P. wire in the hole for future tests. Also, the hole was surveyed by Parsons utilizing the original Eastman survey.

There is a deficit in the EA of \$14,500.


James D. Sell

JDS:lb
Attach.



T. 1 S.
T. 2 S.

EXPLANATION

- | | | |
|--------------------------|-------------------------------|-----------------|
| ● Previous drill hole | <u>POST-MINERAL ROCK UNIT</u> | |
| ○ ASARCO drill hole | Td - Dacite | |
| AOF-1 (hole designation) | Tev - Early volcanics | |
| 3475 pCsc | Tw - Whitetail | |
| Rock type | <u>PRE-MINERAL ROCK UNIT</u> | |
| Bottom hole depth | Tqm - Quartz Monzonite | Dm - Martin lms |
| AI | Tgr - Granite | pCt - Troy qtz |
| ⊕ Proposed drill site | TPn - Naco limestone | pCdb - Diabase |
| | Me - Escabrosa limestone | pCsc - Schist |

TO ACCOMPANY *Monthly Report*
 DATED *Dec. 4, 1973*
 BY *J. D. Sell*



DRILLING PROGRESS MAP
 for the month of *NOV. 1973*

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT
 GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile
 J.D.S.

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay - Other	\$.	\$ <160.00>	\$ -
507-10	Staking Claims - Salaries		<912.00>	154.00
507-20	- Supplies		179.34	179.94
507-25	- Services		4.00	4.00
507-29	- Traveling		<181.72>	28.70
507-35	- Add. Labor Expense		<123.87>	21.12
507-40	- Taxes		<24.12>	14.62
521-15	Surface Drilling - Wages		<105.75>	-
521-20	- Supplies	1180.90	8299.60	14468.29
521-40	- Taxes	47.20	306.27	312.78
530-10	Geology - Salaries		1484.00	1940.00
530-20	- Supplies		4.20	4.20
530-29	- Traveling		82.10	119.90
530-35	- Add. Labor Expense		188.11	251.13
540-10	Sampling, Assaying, Laboratory - Salaries		1486.01	1486.01
540-29	- Traveling		195.70	195.70
540-35	- Add. Labor		257.89	257.89
570-10	Engineering - Salaries		37.58	135.00
570-20	- Supplies		<13.47>	-
570-29	- Traveling		<13.00>	-
570-35	- Add. Labor Expense		8.46	23.22
620-10	General Administration - Salaries	43.00	683.00	683.00
620-20	- Supplies	.71	24.07	27.01
620-25	- Services		1662.00	1698.00
620-29	- Traveling		41.55	41.55
620-35	- Add. Labor	7.46	123.32	123.32
620-40	- Taxes	6.15	83.84	332.67
620-48	- Other		<100.00>	-
641-49	Distributable Accounts - Autos	459.21	2335.12	2765.18
521-10	Surface Drilling - SALARIES	1624.33	3692.33	3692.33
521-29	- TRAVELING	253.40	607.10	607.10
521-34	- FREIGHT		2645.62	2645.62
521-35	- Add. Labor	253.83	573.69	573.69
580-25	Construction - Temporary - Services		15727.37	15727.37
610-20	Field Administration - Supplies		13.47	13.47
610-25	- Services	291.14	1396.81	1396.81
610-30	- Communications		265.87	265.87
610-40	- TAXES		4.2	4.2
521-25	Surface Drilling - Services	14252.12	99782.24	99782.24
540-20	Sampling, Assaying, Laboratory - Supplies		168.42	168.42
540-40	- Taxes		6.64	6.64
610-29	Field Administration - Traveling		4.00	4.00
		<u>\$19161.52</u>	<u>\$141486.78</u>	<u>\$150902.78</u>

Authorized Expended \$150000.00
 150902.78
 Unexpended (902.78)
 620-15 General Administration - Wages 12.80
 620-30 - Communications 12.80
 Orig: JJC Collins 57.28 57.28 57.28
 cc: HQS, TAS, NV, RBM, WLK, File-2
 540-25 - Services 455.90 455.90 455.90
 610-10 Field Administration - Salaries

MONTHLY COST SUMMARY

Reelids MA-0041

Project, Pinal, Arizona
(County) (State)

• DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

~~Boyer Brothers~~

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Boyer Brothers

\$13,500.00 (Estimated)

Supplies and Freight

~~Boyer~~ Fluorhill Invoices 800 & 801
Fluorhill (Ticket # 02502)

1270.05
962.85 (Estimated)

Field Trailer Rental

Water Purchases (Drilling)

• SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Supplies and Freight

yes (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
<u>AARL (Invoices 10069 & 10073)</u>	<u>113.00</u>
<u>AARL (Invoices 10091 & 10092)</u>	<u>142.00</u>

CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

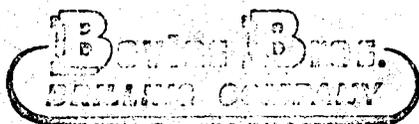
Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
<u>Persons Surveying</u>	<u>500.00 (Estimate)</u>
<u>Trailer Rental (Budget Const.)</u>	<u>200.00 (Estimate)</u>
_____	_____
_____	_____
_____	_____

CORE DRILLING
 MILLING
 TESTING
 DRILLING EQUIPMENT
 MODIFICATIONS
 AND EXCAVATION
 PILING
 DESIGN
 FABRICATION



CONTRACTORS-ENGINEERS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671

SALT LAKE CITY, UTAH 84110

Cable: BOYLESKO

Telex: 388-321

BRANCH OFFICES
 PHOENIX, ARIZONA
 GOLDEN, COLORADO
 SPARKS, NEVADA
 SPOKANE, WASHINGTON
 MURFREESBORO, TENNESSEE
 SANTIAGO, CHILE
 cable: BOYLESBROS
 LIMA, PERU
 cable: BOYLESKO
 MEXICO CITY, MEXICO
 telex: 001774546

DATE: *Nov. 25, 1973*

NUMBER:

NUMBER:

CONTRACT: *6-664*

TERMS:

LOCATION: *Barstow, Ariz.*

American Smelting & Refining Company

P.O. Box 5747

Tucson, Ariz. 85705

Line No.	From	To	Footage	Rate	Total
<i>1</i>	<i>3367</i>	<i>3500</i>	<i>133'</i>	<i>14.35</i>	<i>1,908.55</i>
	<i>3500</i>	<i>3967</i>	<i>467'</i>	<i>16.10</i>	<i>7,518.70</i>
<i>Drilling time</i>			<i>8 hrs</i>	<i>35.00</i>	<i>280.00</i>
<i>Setup time</i>			<i>2 hrs</i>	<i>35.00</i>	<i>70.00</i>
<i>Down time</i>			<i>40 hrs</i>	<i>35.00</i>	<i>1,400.00</i>
<i>Hauler (No over time)</i>			<i>32 hrs</i>	<i>3.65</i>	<i>116.80</i>
<i>4 taxes</i>			<i>32%</i>	<i>116.80</i>	<i>37.38</i>
<i>4 Rods - 20'</i>			<i>3 Rods</i>		<i>7</i>
<i>3/4" CASING</i>			<i>540 Ft.</i>	<i>3.25</i>	<i>1,755.00</i>
<i>ATLAND CEMENT</i>			<i>12 SKS</i>		<i>26.00</i>
<i>Water truck rental</i>			<i>1 MO.</i>	<i>325.00</i>	<i>325.00</i>
<i>Water truck Mileage</i>			<i>73 Miles</i>	<i>.30</i>	<i>21.90</i>
<i>32% Payroll Tax</i>					<i>57.38</i>
					<i>13,459.33</i>

0
 BX 5747
 W. ARIZ

FLUIDRILL INC.

INVOICE NUMBER
 1050
 CUST. NO.
 10750

A. D. C
 NOV 26 1973

P. O. BOX 19117 / SALT LAKE CITY,
 UTAH 84119 / PHONE (801) 487-1171

SHIPPING DATE	WHSE. NO.	ORDER NUMBER	SHIP VIA	QUANTITY SHIPPED	PART NUMBER OR UNIT WEIGHT	PRODUCT DESCRIPTION	DISCOUNT	UNIT PRICE	AMOUNT
10 25 3	1450	T-73-51	ZONA-PICKUP	25	50 LB BAG	DRILLING MUD 1 MG		1.70	42.50
SUB-TOTAL									42.50
SALES TAX									1.70
TOTAL									44.20

X 5747
 • ARIZ

FLUIDRILL INC.

INVOICE NUMBER
 0801
 CUST. NO.
 10750

A. D. C
 NOV 26 1973

P. O. BOX 19117 / SALT LAKE CITY,
 UTAH 84119 / PHONE (801) 487-1171

SHIPPING DATE	WHSE. NO.	ORDER NUMBER	SHIP VIA	QUANTITY SHIPPED	PART NUMBER OR UNIT WEIGHT	PRODUCT DESCRIPTION	DISCOUNT	UNIT PRICE	AMOUNT
10 25 3	1450	T-73-51	ZONA-PICKUP	10	94 LB BAG	FONDU CEMENT		11.15	111.50
				10	50 LB BAG	DRILLING MUD 10 LL		55.00	550.00
				10	50 LB BAG	DRILLING MUD 11W		29.25	292.50
				7	5 GAL PAIL	FORMALDEHYDE		31.05	217.35
				3	50 LB BAG	LIME		2.45	7.35
SUB-TOTAL									1,178.70
SALES TAX									47.15
TOTAL									1,225.85
NET 30 DAYS									
									1,270.05

02302

ALUMINUM INC.

DATE AT WHICH ORDERED	P.P. OR FREIGHT S.	SHIPPING TICKET NO.		
ORDER P.O. NO.	SHIP VIA			
NAME AND PHONE NO. OF PERSON CALLING ORDER IN		NO. CONTAINERS	WEIGHT	SHIPPED FROM INV. ACCT. NO.
E ORDERED		ORDER FILLED BY	DATE SHIPPED	FOR JOB NO.

P. O. BOX 19117 / SALT LAKE CITY, UTAH 84119 / PHONE (801) 487-1171

BID TO:	SHIP TO:	ORDER REFERENCE			
		ITEM NO.	D/C	P.O. NO.	VENDOR

A.S.A.R.C.,
P.O. Box 5707
Tucson, Arizona 85703

Location AI# 1

QUAN. ORD.	PART NUMBER OR UNIT WEIGHT	QUAN. SHIPPED	BACK ORDERED	DESCRIPTION	ACCOUNT OR JOB CHARGE	SUB CODE	CONTROL NUMBER	UNIT PRICE	DISC.	AMOUNT
1		16		Formaldehyde (5. gal-50#)			17-456	31.85		257.50
2		2		Formquick #60 (20#-10/2# per.)			17-460	16.00		32.00
5		5		Drilling Mud # 10			17-449	55.00		275.00
5		5		Drilling Mud # 11			17-451	29.25		146.25
								TOTAL		962.85

Harold M. Stone

INVOICE

3226 East 46th Street

No. 10069

Phone 624-0049

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85713

SAMPLE SUBMITTED BY American Smelting & Refining Company

DATE November 19, 1973

SAMPLE MARKED	ANALYSIS	CHARGES
AI-1-1 — AI-1-20	Geo-Chem Cu, Pb, Zn, Mo	\$ 100.00
20 Samples	Geo-Chem Preparation	10.00
	Total	\$ 110.00

INVOICE

3226 East 46th Street

No. 10073

Phone 624-0049

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85713

SAMPLE SUBMITTED BY American Smelting & Refining Company

DATE November 19, 1973

SAMPLE MARKED	ANALYSIS	CHARGES
AI-1-14 and AI-1-19	Cu	\$ 3.00
		<u>113.00</u>

*OK for Payment
James W Bell
Rawhid MA-0041*

226 East 46th Street

INVOICE

No. 10091

Phone 624-0049

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85713

SAMPLE SUBMITTED BY American Smelting & Refining Company

DATE November 27, 1973

SAMPLE MARKED	ANALYSIS	CHARGES
AI-1-21 --- AI-1-69 (25)	Geo-Chem Cu, Pb, Zn, Mo	\$ 125.00
25 Samples	Geo-Chem Preparation	12.50
	Total	\$ 137.50

3226 East 46th Street

INVOICE

No. 10092

Phone 624-0049

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85713

SAMPLE SUBMITTED BY American Smelting & Refining Company

DATE November 27, 1973

SAMPLE MARKED	ANALYSIS	CHARGES
AI-1-38 --- AI-1-40	Cu	\$ 4.50
		<u>142.00</u>
	<i>James L. ... OK for Payment Rawhid MA-0041</i>	

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

December 18, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - Dec. 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

As reported last month, the drill hole A1-1 was terminated at a depth of 3967 feet in Pinal Schist which appears to be a deep core zone of a porphyry system.

Interpretation of the rock units is as follows:

0-1565	Dacite
1565-2250	Earlier Volcanics
2250-2650	Whitetail Conglomerate
2650-3046	M-1A type slide block in Whitetail Cgl.
3046-3238	Brecciated slide block of A-2 type (oxidized)
3238-3967	Pinal Schist and minor aplite (sulfides)

The cored portion of the M-1A type slide block in Whitetail Conglomerate is a schist-granite brecciated mass with weak alteration and leached mineralization of the clasts (especially the schist). Based on rock type, the unit can be subdivided into two divisions. The upper 90 feet have a matrix of 32%, and a clast content of Pinal 37%, quartzite 6%, and Schultze 57%. The lower 156 feet have a matrix of 34%, clast composition of Pinal 83%, quartzite 2%, and Schultze 15%. The averaged assays show 592 ppm Cu, 10 ppm Pb, 37 ppm Zn, and 11 ppm Mo.

Separating the M-1A type slide block from the underlying unit is a broken and brecciated unit with shears and slips at 10° to 30° from horizontal.

The underlying unit is a brecciated slide block of the A-2 type. It is a brecciated granite-schist leached capping with abundant iron oxides which impart a reddish-black color to the unit. The upper 131 feet of the unit are 100% leached and altered Pinal Schist with a matrix of 13%. The lower 61 feet of the unit have a similar matrix of 15% with a clast change to Pinal 45-1/2%, quartzite 1/2%, and Schultze Granite 54%. Samples from this unit averaged 228 ppm Cu, 10 ppm Pb, 29 ppm Zn, and 28 ppm Mo.

The basal part of the unit is a crushed fault and gouge zone with a general 15° dip to the slickensides and gouge zones. The totally oxidized unit rests on Pinal Schist which is unoxidized and contains variable amounts of pyrite and chalcopyrite.

December 18, 1973

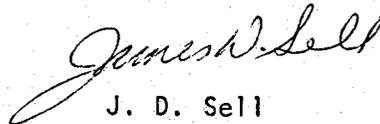
The schist is a quartz-muscovite, dense, poorly laminated variety cut by numerous narrow quartz, quartz-feldspar, and quartz aplite veinlets and dikelets. Generally the quartz-feldspar veinlets have narrow selvages of quartz-sericite. Magnetite veinlets and disseminated amounts are also present. The total sulfide content is less than 0.5% with chalcopyrite being 90% of the sulfide and pyrite 10%.

All of the bedrock has been split and assayed by atomic absorption techniques. The 727 feet of Pinal Schist bedrock average 1145 ppm Cu (0.11%), 14 ppm Pb, 55 ppm Zn, and 25 ppm Mo. The intercept can be split into two segments. The upper 289 feet average 1381 ppm Cu (0.14%), 9 ppm Pb, 52 ppm Zn, and 31 ppm Mo. A steep (70°) fault separates the upper unit from the lower section. The lower section is more typical Pinal Schist with fair schistosity and is cut by increased amounts of aplite. The lower section of 438 feet averages 990 ppm Cu (0.10%), 18 ppm Pb, 57 ppm Zn, and 21 ppm Mo.

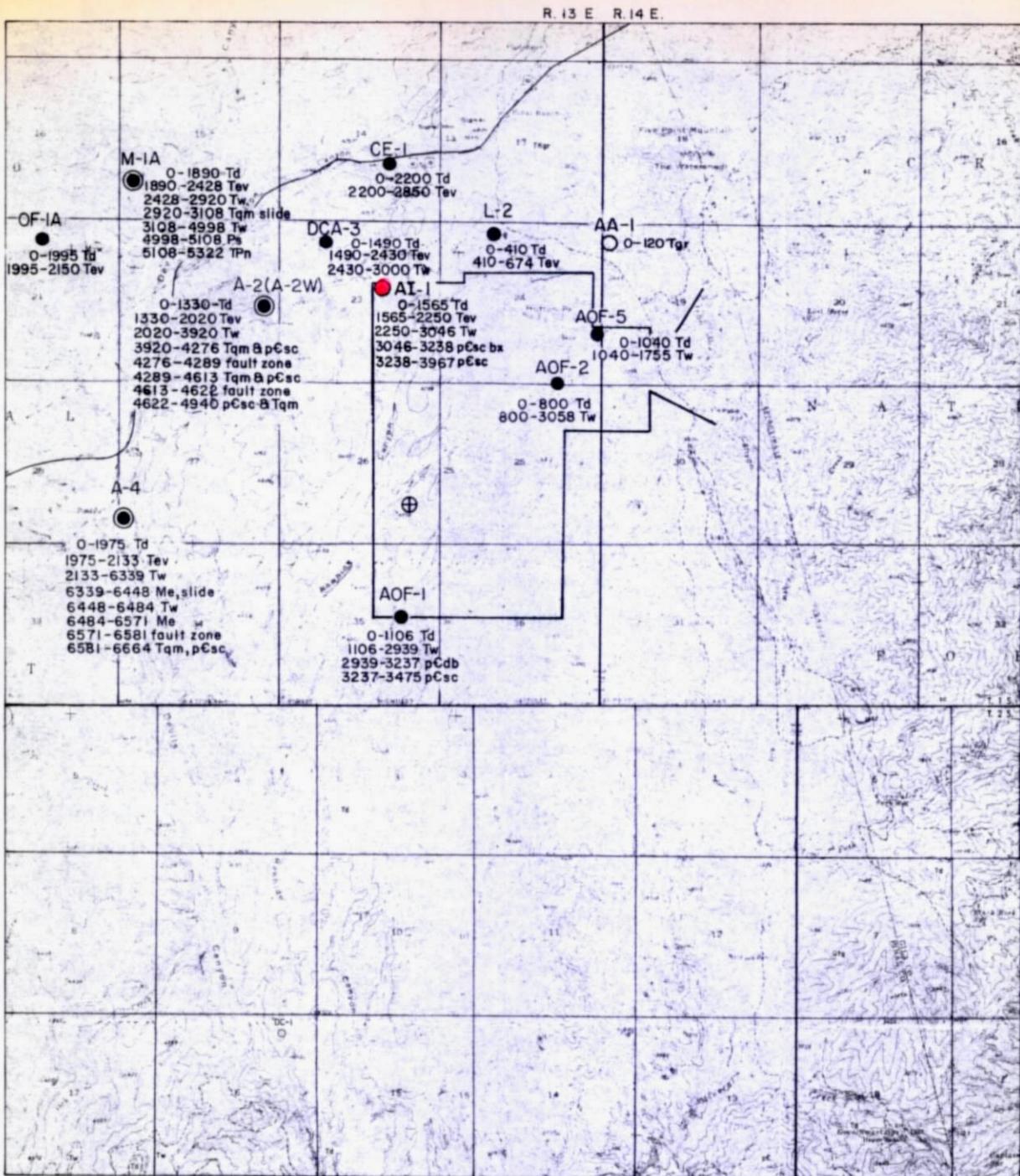
Heinrichs GeoEx crews successfully emplaced the electrode and wire, which had been supplied by Salt Lake City, into the hole.

Parsons Surveying completed the oriented survey of the hole and determined that the bottom was 254 feet at N73°36'E from the collar of the hole.

Estimated deficit is \$16,500.


J. D. Sell

JDS:1b
Attach.



EXPLANATION

- | | |
|--------------------------|-------------------------------|
| ● Previous drill hole | <u>POST-MINERAL ROCK UNIT</u> |
| ● ASARCO drill hole | Td - Dacite |
| | Tev - Early volcanics |
| | Tw - Whitetail |
| AOF-1 (hole designation) | <u>PRE-MINERAL ROCK UNIT</u> |
| ○ 3475 pCsc | Tqm - Quartz Monzonite |
| ↙ Rock type | Dm - Martin lms |
| ↘ Bottom hole depth | pEt - Troy qtz |
| ⊕ AI | pCdb - Diabase |
| ⊕ Proposed drill site | pCsc - Schist |
| | Me - Escabrosa limestone |

TO ACCOMPANY *Monthly Report*
 DATED *Dec. 18, 1973*
 BY *J.D. Sell*



DRILLING PROGRESS MAP
for the month of Dec., 1973

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT
GILA & PINAL COUNTY, ARIZONA
SCALE: 1" = 1 mile
J.D.S.

MONTHLY COST SUMMARY

Reelid MA-0041

Project, Reid
(County)

Arizona
(State)

A. DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

Boyer Brothers (14,146.98,
prev. est. at 13,500.00)
Fluid Well Invoice 0878 for \$1,003.60
prev. est. @ 962.85 Ticket # 02502

666.98
38.51

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Supplies and Freight

Field Trailer Rental

Water Purchases (Drilling)

B. SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

Paul Bryant Const (Dec. 5)
(\$306.42 with \$200⁰⁰ prev. estimate)

106⁴²
306.42

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Paul Bryant Const. (ESTIMATE)

380.00

Supplies and Freight

ERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

ies (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
<u>AARL (Invoice 10144)</u>	<u>33.00</u>
<u>AARL (Invoice 10163)</u>	<u>102.00</u>

D. CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

E. OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
<u>ESTIMATE</u>	
<u>Henrichs Exp. Co. (Being IPW)</u>	<u>195.00</u>
<u>Parsons Surveying Est previous but not billed?</u>	
_____	_____
_____	_____

GROUTING
FOUNDATION TESTING
DIAMOND DRILLING EQUIPMENT
DRILLING ADDITIVES

**BOYLES BROS.
DRILLING COMPANY**

CONTRACTORS-ENGINEERS
General Offices and Plant

1624 Pioneer Road P. O. Box 58 Phone (801) 487-3671
SALT LAKE CITY, UTAH 84110

Cable: BOYLES CO
Telex: 388-321

American Smelting & Refining Company
P. O. Box 5747
Tucson, Arizona 85705

A.D.C.
DEC 13 1973

GOLDEN, COLORADO
SPARKS, NEVADA
SPOKANE, WASHINGTON
MURFREESBORO, TENNESSEE
IRONWOOD, MICHIGAN
SANTIAGO, CHILE
cable: BOYLESBROS
LIMA, PERU
cable: BOYLES CO
MEXICO CITY, MEXICO
telex: 001774546

JOS

INVOICE DATE: November 30, 1973
ORDER NUMBER: T-73-340
INVOICE NUMBER:
CONTRACT: 6-664
TERMS:
LOCATION: Rawhide, Arizona

Hole No.	From	To	Footage	Rate	Total
AI-1 NX Core	3367	3500	133	14.35	1,908.55
	3500	3967	467	16.10	7,518.70
Casing Time			8 Hrs.	35.00	280.00
Survey Time			2 Hrs.	35.00	70.00
Teardown Time			40 Hrs.	35.00	1,400.00
Water Hauler (No Over Time)			32 Hrs.	3.65	116.80
Payroll Taxes			32 %	116.80	37.38
NCWL Rods - 20'			3 Rods	72.80	218.40
3 1/4" Casing			540 Ft.	3.25	1,755.00
Portland Cement			12 Sks.	1.95	23.40
Water Truck Rental			1 Mo.	325.00	325.00

9

LOCATION: RAWHIDE, ARIZONA

Hole No.	From	To	Footage	Rate	Total
Water Truck Mileage			73 Miles	.30	21.90
3S-32996/3S-32999 Type #118190 - Diamond Bits			2		491.85
			TOTAL BILLING		14,166.98
			Est Oct Mo		13,500.00
			+ for Dec Act		666.98
			APPROVED FOR PAYMENT		
			By: <u>James Hill</u> (Signature) Rawhide MA-0041		
			APPROVED FOR PAYMENT		
			By: _____ (Signature)		

$\frac{9,427.25}{14,166.98} = 67$

NO. INVOICE DATE DATE ORDERED CUSTOMER ORDER OR REQUISITION NO. **#6-664** TICKET NO. ~~10002~~ BY

BOYLES BROS. DRILLING COMPANY

ASARCO-Sutton Summit #6-664
F. R. #19140

- SALE
- ORDER
- RETURN OF MATERIAL
- DIST. STOCK SALVAGE
- CREDIT
- REQUEST FOR SALES REPRESENTATIVE
- CONSIGNMENT
- JOB RECORD
- TRANSFER OF STOCK
- MEMO

A. D. CHRISTENSEN DIAMOND PRODUCTS CO.
 P. O. BOX 367 - 1937 SOUTH 2nd WEST
 CABLE ADDRESS "CHRISDIACO"
 SALT LAKE CITY, UTAH 84110
 PHONE (Area Code 801) 484-5231

- SPECIAL INSTRUCTIONS -
 PAGE 1 OF 1

PREPAID/COLLECT		SHIPPED VIA		C.O.F.		DIAMOND PRODUCT CODE	
STATE	COUNTY	TAX STATUS	EXEMPTION NUMBER	DISTRICT	STK/CONS/CONTR	STK/CONSIGN NO.	CONTRACT NO.
QUANTITY ORDERED	QUANTITY BACK ORDERED	QUANTITY SHIPPED	UNIT PRICE	PART NUMBER	DESCRIPTION	CODE NO.	NET AMOUNT
ORIGINAL WEIGHT	SALVAGE WEIGHT	CARATS USED			WELL NAME & NUMBER		
2			64.50	NCD	CORE BITS		
					TYPE NUMBER #118190		
59.87			13.00	33-32996	35-32999		
	31.16		13.00		LESS SALVAGE		
	6.92		1.50		LESS SCRAP		
		28.71	13.50		= 502.23		
		6.92	1.50		= 10.38		
					9' FEET @ \$54.65		\$491.85
					\$491.85		
					TOTAL FOOTAGE DRILLED = 9' @ \$54.65		\$491.85

S T O
S T O

A S A R CO
P O BOX 5747
TUCSON, ARIZ

A. D. C
DEC 14 1973

FLUIDRILL INC.

INVOICE NUMBER

0878

CUST. NO.

10750

SAME

P. O. BOX 19117 / SALT LAKE CITY,
UTAH 84119 / PHONE (801) 487-1171

INVOICE DATE	SHIPPING DATE	WHSE. NO.	ORDER NUMBER	SHIP VIA	
12 01 3	11 25 3	1450	T-73-51	ZONA SUPPLY TRK	
QUANTITY SHIPPED	PART NUMBER OR UNIT WEIGHT	PRODUCT DESCRIPTION	DISCOUNT	UNIT PRICE	AMOUNT
5	50 LB BAG	DRILLING MUD 10 LL		55.00	275.00
5	50 LB BAG	DRILLING MUD 11W		29.25	146.25
16	5 GAL PAIL	FORMALDEHYDE		31.85	509.60
2	20LB CASE-10X2	PENEQUICK 460		16.00	32.00
SUB-TOTAL					962.85
SALES TAX					38.51
TOTAL					1,001.36
NET 30 DAYS					
		<i>Est. in Nov</i>			
		<i>Ticket # 02502</i>		<i>AI-1</i>	
		<i>for \$962.85</i>			
		$ \begin{array}{r} 1,001.36 \\ - 962.85 \\ \hline \$38.51 \end{array} $			

Bryant Construction Co.
843 Spray Street
Superior, Ariz.

Dec. 5, 1973

American Smelting & Refining Co.
Box 5747
Tucson, Ariz.

A.D.C.
DEC 7 1973

1 1/2 Yard Loader @ \$20.00 hr.

Nov. 9	clean mud pits on drill site north of Oak Flats mobilization	3 hrs	\$60.00
			<u>40.00</u>
			100.00
		State tax.	<u>3.00</u>
		Total	\$103.00

*Superior Cent
MA-0010*

Bryant Construction Co.
843 Spray Street
Superior, Ariz.

Dec 5, 1973

American Smelting & Refining Co.
Box 5747
Tucson, Ariz.

Drill Hole Southwest of Dee's Fish Pond:

International Dozer & Ripper @ \$32.50 hr.

Nov. 27	pull Boyles pickup back on road & let Boyles drill rig off mountain.....	3 hrs	97.50
---------	--	-------	-------

Oct. & Nov.	rent on 20 ft. camp trailer (\$100.00 a month)		200.00
-------------	--	--	--------

	State tax	<u>8.92</u>
	total	\$306.42

*Rawhido
MA-0041*

APPROVED FOR PAYMENT

By: James W. Bell
(Signature)

Paul Bryant Construction

ESTIMATE for December

Superior East

clean road to DCA-3 65.00
\$ 65.00

Bohno

AH-4 area 412.50
AH-5 area 887.50
\$ 1300.00

Rawhide

Cleaning of AI-1 380.00
\$ 380.00 ✓

3226 East 46th Street

INVOICE

No. 10146

Phone 624-0049

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS · CHEMISTS · METALLURGISTS

TUCSON, ARIZONA 85713

SAMPLE SUBMITTED BY American Smelting & Refining Company

DATE December 5, 1973

SAMPLE MARKED	ANALYSIS	CHARGES
AI-1-41 — AI-1-46	Geo-Chem Cu, Pb, Zn, Mo	\$ 30.00
6 Samples	Geo-Chem Preparation	3.00
	Total	\$ 33.00

*OK for Payment
Rawhide Project
MA-0041*

3441 East Milber

INVOICE
No. 10163

Phone 889-5787

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS · CHEMISTS · METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY American Smelting & Refining Company

DATE December 11, 1973

SAMPLE MARKED	ANALYSIS	CHARGES
AI-1-47 — AI-1-64	Geo-Chem Cu, Pb, Zn, Mo	\$ 90.00
AI-1-51 — AI-1-59 (2)	Cu	3.00
A-7-2 — A-7-5	Geo-Chem Cu, Pb, Zn, Mo	20.00
22 Samples	Geo-Chem Preparation	11.00
Samples	Ceramic Handling	2.00
	Total	\$ 126.00

*OK for Payment
James W. Sell*

Superior East \$24.00

Rewhidr \$102.00

\$ 126.00

To JIM SELL

Date 12/11/73 Time 8:57

WHILE YOU WERE OUT

Mr. FRED HEINRICHS

of HEINRICHS EXPLORATION CO.

Phone AI-1 Rawhuts

- | | |
|--|--|
| <input checked="" type="checkbox"/> TELEPHONED | <input type="checkbox"/> PLEASE CALL HIM |
| <input type="checkbox"/> CALLED TO SEE YOU | <input type="checkbox"/> WILL CALL AGAIN |
| <input type="checkbox"/> WANTS TO SEE YOU | <input type="checkbox"/> RUSH |

Message: Your total bill is
\$195.00.

Det Operator

Est

THE PARSONS SURVEYING COMPANY ARIZONA

P. BOX 17376

TUCSON, ARIZ. 85710

PHONE (602) 298-2779

AMERICAN SHELTER AND REFINING COMPANY

1150 NORTH SEVENTH AVENUE

TUCSON, ARIZONA 85705

Date: NOVEMBER 26, 1973

Customer's
Order No.

Job No. G 1001

Invoice No. G 1001

A. D. C.
NOV 28 1973

† Date	Stop Date	Hole Name & No.	Area	Charges
		AI-1	RAWHILE	Survey Minimum Traverse Cng. 06¢ Per Mileage 20¢ Per Mi. P
0-73		Gyroscopic Directional Survey Surveyed from 2700' to 3850'		\$500.00
		Traversed from 0' to 2700'		N/C
		Round trip mileage from office to core hole 248 miles.		N/C
TOTAL				\$500.00

INVOICE

7MA-0041

APPROVED FOR PAYMENT

By: James R. Bell
(Signature)

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

February 1, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

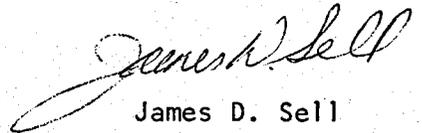
Monthly Report - Jan. 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

No further drilling or assay work has been done on the project area over that reported last month.

A series of representative mineralized and alteration features in the cored rock types has been collected and submitted for thin-section evaluation. The work is being undertaken in-house by Mr. Graybeal and Mr. Stathis.

Evaluation of the drill hole in its relation to the surrounding holes is continuing.

No map is attached to this report.



James D. Sell

JDS:1b

MONTHLY COST SUMMARY

Pauline MA-0041 Project, Reed, Arizona
(County) (State)

DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____
_____	_____

Supplies and Freight

_____	_____
_____	_____

Field Trailer Rental

_____	_____
_____	_____

Water Purchases (Drilling)

SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

*Reed Budget Const. (Previous Est of 350⁰⁰ still stands
while not completed)*

Supplies and Freight

_____	_____
_____	_____

PLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
_____	_____
_____	_____

CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

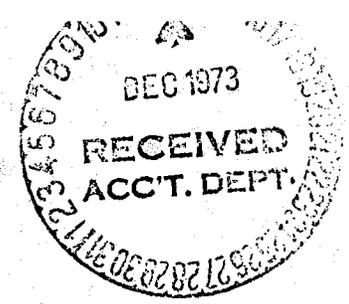
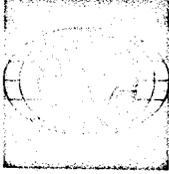
<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
<i>Herzich Geol. Consultant previously Estimated in Dec.</i>	_____
<i>Western Petrographer's Geology # 530-25</i>	<i>23.00</i>
_____	_____
_____	_____



HEINRICHS GEOEXPLORATION COMPANY

806 WEST GRANT ROAD, TUCSON, ARIZONA 85703. P.O. BOX 5964. PHONE: (602) 623-0578

STATEMENT

December 11, 1973

American Smelting and Refining Corp.
1150 N. 7th Avenue
P.O. Box 5747
Tucson, Arizona 85703

Attention: Exploration Department

Re: GEOEX 883
Gila County, Arizona

PROFESSIONAL FEES & SERVICES

Two Man Crew 1 Day @ \$150.00/day-----	\$150.00
(Place Wire in Drill Hole)	
1 Vehicle 1 Day @ \$15.00/day-----	15.00
200 Miles @ \$0.15/mile-----	<u>30.00</u>
Total	\$195.00

STATEMENTS ARE DUE AND PAYABLE ON PRESENTATION.

(301)

*Same
Previously Est. on Dec. Acct.*

APPROVED FOR PAYMENT

R. B. Cunt
(Signature)

*Roubidoux Project
MA-0041*

INVOICE

WESTERN PETROGRAPHIC

2601 N. First Ave.
Tucson, Arizona 85719

INVOICE NO. 74019

INVOICE DATE January 24, 1974

SOLD TO ASARCO
Box 5747
Tucson, Arizona 85703

SHIPPED TO F. T. Graybeal

YOUR ORDER NO. 74019	YOUR ORDER NO.	TERMS Net 30 days	SHIPPED VIA	SURPLUS MATERIAL Returned
-------------------------	----------------	----------------------	-------------	------------------------------

QUANTITY	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
14	ea	Standard petrographic thin sections <i>A series</i>	\$3.00	\$42.00
2	ea	Impregnation with epoxy for above	.50	2.00
6	ea	Grinding in oil for above	.50	3.00
TOTAL:				\$47.00

Superior East MA-0010 = \$24.00
Rawhide MA-0041 = 23.00
\$47.00

OK for Payment
James W. Bell

Geol. #530-25

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay. - Other	\$	\$	\$ -
507-10	Staking Claims - Salaries			154.00
507-20	- Supplies			179.94
507-25	- Services			4.00
507-29	- Traveling			28.70
507-35	- Add. Labor Expense			21.12
507-40	- Taxes			14.62
521-10	Surface Drilling - Salaries			3692.33
521-15	- Wages			-
521-20	- Supplies			15494.72
521-25	- Services			100297.52
521-29	- Traveling			643.40
521-34	- Freight			2645.62
521-35	- Add. Labor Expense			573.69
521-40	- Taxes			353.53
530-10	Geology - Salaries			2175.00
530-20	- Supplies			4.20
530-29	- Traveling			119.90
530-35	- Add. Labor Expense			323.98
540-10	Sampling, Assaying, Laboratory - Salaries			1486.01
540-20	- Supplies	23.00	23.00	191.42
540-25	- Services			586.85
540-29	- Traveling			195.70
540-35	- Add. Labor			257.89
540-40	- Taxes			6.64
550-25	Geophysics - Services			195.00
570-10	Engineering - Salaries			135.00
570-20	- Supplies			-
570-29	- Traveling			-
570-35	- Add. Labor Expense			23.22
580-10	Construction, Temporary - Salaries			38.68
580-25	- Services	100.42	100.42	15327.79
580-29	- Traveling			8.10
580-35	- Add. Labor Expense			11.99
610-10	Field Administration - Salaries			205.00
610-20	- Supplies			10.47
610-25	- Services			1396.81
610-29	- Traveling			4.00
610-30	- Communications			265.87
610-35	- Add. Labor Expense			23.59
610-40	- Taxes			.42
620-10	General Administration - Salaries	112.00	112.00	795.00
620-15	- Wages			12.80
620-20	- Supplies	30	30	30.53
620-25	- Services			1698.00
620-29	- Traveling			41.55
620-30	- Communications			57.28
620-35	- Add. Labor Expense	23.14	23.14	146.46
620-40	- Taxes	.01	.01	335.69
620-48	- Other			-
641-49	Distributable Accounts - Autos			2931.50
		<u>258.87</u>	<u>258.87</u>	<u>\$ 153645.53</u>
Authorized				\$ 150000.00
Expended				<u>153645.53</u>
Balance Unexpended				\$ (3645.53)

Orig: JJCcollins
 cc: HQS, TAS, NV, RBM, WLK, File-2

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

March 1, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - Feb. 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

No new undertakings have been started on the project area.

We have secured an amendment to the FS Special Use Permit to rebuild some road and advance new road into some areas.

Arizona Mining, drilling north of the project area, has moved on a large Longyear core rig. Apparently numerous machine problems have bothered them. On Feb. 22nd, the hole was at 2835 feet. The core was not visually inspected, but chatting with the person in charge suggested that the core was not in anything to talk about.

No map is attached to this report (see Superior East report map).


James D. Sell

JDS:lb

MONTHLY COST SUMMARY

Rawhide MA-0041

Project, Pinal
(County)

Arizona
(State)

DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____
_____	_____
_____	_____

Supplies and Freight _____

Field Trailer Rental _____

Water Purchases (Drilling) _____

SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
<u>Previous Est = 380.00</u> <u>Direct Const. cont. Billing 7/77 = 100.42</u>	<u>279.58</u> <i>overestimated</i>
_____	_____

Supplies and Freight _____

SAMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
_____	_____
_____	_____

. CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

3. OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
_____	_____
_____	_____
_____	_____
_____	_____

Bryant Construction Co.
843 Spray Street
Superior, Ariz.

Feb. 7, 1974

American Smelting & Refining Co..
Box 5747
Tucson, Ariz.

International Dozer & Ripper @ \$32.50 Hr.

Jan. 19 fill in mud pits & dress up drill site east of
Devils Canyon by fish pond. Move dozer to
highway

State tax 3%

3 hrs

\$ 97.50
2.92
\$100.42

APPROVED FOR PAYMENT

By:

James W. Bell
(Signature)

MA-0041

Rawhido

MINING AUTHORIZATION NO. 0041-00
 INSPIRATION COPPER JOINT VENTURE, RAWHIDE
 PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

FEBRUARY - 1974

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay. - Other	\$	\$	\$ -
507-10	Staking Claims - Salaries			154.00
507-20	- Supplies			179.94
507-25	- Services			4.00
507-29	- Traveling			28.70
507-35	- Add. Labor Expense			21.12
507-40	- Taxes			14.62
521-10	Surface Drilling - Salaries	4121	4121	3733.54
521-15	- Wages			-
521-20	- Supplies			15494.72
521-25	- Services			100297.52
521-29	- Traveling	820	820	651.60
521-34	- Freight			2645.62
521-35	- Add. Labor Expense	851	851	582.20
521-40	- Taxes			353.53
530-10	Geology - Salaries			2175.00
530-20	- Supplies			4.20
530-29	- Traveling			119.90
530-35	- Add. Labor Expense			323.98
540-10	Sampling, Assaying, Laboratory - Salaries			1486.01
540-20	- Supplies		23.00	191.42
540-25	- Services			586.85
540-29	- Traveling			195.70
540-35	- Add. Labor			257.89
540-40	- Taxes			6.64
550-25	Geophysics - Services			195.00
570-10	Engineering - Salaries			135.00
570-20	- Supplies			-
570-29	- Traveling			-
570-35	- Add. Labor Expense			23.22
580-10	Construction, Temporary - Salaries			38.68
580-25	- Services		100.42	15827.79
580-29	- Traveling			8.10
580-35	- Add. Labor Expense			11.99
610-10	Field Administration - Salaries			205.00
610-20	- Supplies			10.47
610-25	- Services			1396.81

J. D. S.

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

March 27, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - March 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

No additional field work has been undertaken during the month.

The final distribution of cost summary was submitted for the hole AI-1 and the project to date.

No map is attached to this report. See previous months and the Superior East report map for area data.

James D. Sell
James D. Sell *16*

JDS:1b

MINING AUTHORIZATION NO. 0041-00
 INSPIRATION COPPER JOINT VENTURE, RAWHIDE
 PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

MARCH - 1974

Account No.	Item	This Month	This Year	Total To Date
502-48	Mineral Prop., Option Pay. - Other	\$	\$	\$
507-10	Staking Claims - Salaries			154.00
507-20	- Supplies			179.94
507-25	- Services			4.00
507-29	- Traveling			28.70
507-35	- Add. Labor Expense			21.12
507-40	- Taxes			14.62
521-10	Surface Drilling - Salaries	(4121)	-	3692.33
521-15	- Wages			-
521-20	- Supplies	(1026.43)	(1026.43)	14468.29
521-25	- Services	(1418.06)	(1418.06)	98879.46
521-29	- Traveling	(4450)	(3630)	607.10
521-34	- Freight			2645.62
521-35	- Add. Labor Expense	(851)	-	573.69
521-40	- Taxes	(40.75)	(40.75)	312.78
530-10	Geology - Salaries	(235.00)	(235.00)	1940.00
530-20	- Supplies			4.20
530-29	- Traveling			119.90
530-35	- Add. Labor Expense	(72.85)	(72.85)	251.13
540-10	Sampling, Assaying, Laboratory - Salaries			1486.01
540-20	- Supplies	(23.00)	-	168.42
540-25	- Services	(130.95)	(130.95)	455.90
540-29	- Traveling			195.70
540-35	- Add. Labor			257.89
540-40	- Taxes			6.64
550-25	Geophysics - Services	(195.00)	(195.00)	-
570-10	Engineering - Salaries			135.00
570-20	- Supplies			-
570-29	- Traveling			-
570-35	- Add. Labor Expense			23.22
580-10	Construction, Temporary - Salaries	(38.68)	(38.68)	-
580-25	- Services	(100.42)	-	15727.37
580-29	- Traveling	(8.10)	(8.10)	-
580-35	- Add. Labor Expense	(11.99)	(11.99)	-
610-10	Field Administration - Salaries			205.00
610-20	- Supplies			10.47
610-25	- Services			1396.81

MINING AUTHORIZATION NO. 0041-01
INSPIRATION COPPER JOINT VENTURE, RAWHIDE
PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

MARCH - 1974

Account No.	Item	This Month	This Year	Total To Date
521-10	Surface Drilling - Salaries	\$ 41 21	\$	\$
521-20	- Supplies	1026 43		
521-25	- Services	1418 06		
521-29	- Traveling	44 50		
521-35	- Add. Labor	8 51		
521-40	- Taxes	40 75		
530-10	Geology - Salaries	235 00		
530-35	- Add. Labor	72 85		
540-20	Sampling, Assaying, Laboratory - Supplies	23 00		
540-25	- Services	130 95		
550-25	Geophysics - Services	195 00		
580-10	Construction, Temporary - Salaries	38 68		
580-25	- Services	100 42		
580-29	- Traveling	8 10		
580-35	- Add. Labor	11 99		
620-10	General Administration - Salaries	112 00		
620-20	- Supplies	3 52		
620-35	- Add. Labor	23 14		
620-40	- Taxes	3 02		
641-49	Distributable Accounts - Autos	244 20		

\$ 3781.33

\$

\$

Authorized
Expended

\$ 17500 00
3781 33

Balance Unexpended

\$ 13718.67

Orig: JJCcollins

cc: HQS, TAS, NV, RBM, WtK, File-2

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

May 1, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - April 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

No additional work has been undertaken during the month and no map is attached.

See the Superior East report and map for the work on drill hole DCA-3A, which will affect the status of the Rawhide area.

An additional authorization has been received to cover the overrun on the original authorization.

J. D. Sell
J. D. Sell

JDS:1b

MINING AUTHORIZATION NO. 0041-01
INSPIRATION COPPER JOINT VENTURE, RAWHIDE
PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

APRIL - 1974

Account No.	Item	This Month	This Year	Total To Date
521-10	Surface Drilling - Salaries	\$ 124.00	\$ 165.21	\$
521-20	- Supplies		1026.43	
521-25	- Services		1418.06	
521-29	- Traveling		44.50	
521-35	- Add. Labor	25.63	34.14	
521-40	- Taxes		40.75	
530-10	Geology - Salaries		235.00	
530-35	- Add. Labor		72.85	
540-20	Sampling, Assaying, Laboratory - Supplies		23.00	
540-25	- Services		130.95	
550-25	Geophysics - Services		195.00	
580-10	Construction, Temporary - Salaries		38.68	
580-25	- Services		100.42	
580-29	- Traveling		8.10	
580-35	- Add. Labor		11.99	
620-10	General Administration - Salaries		112.00	
620-20	- Supplies		3.52	
620-35	- Add. Labor		23.14	
620-40	- Taxes		3.02	
641-49	Distributable Accounts - Autos		244.20	
7540.29	Sampling, Assaying, Laboratory - Traveling	37.95	32.05	

\$ 181.68 \$ 3963.01 \$

Authorized
Expended

\$ 17500.00
3963.01

Balance Unexpended

\$ 13536.99

Orig: JJC Collins

cc: HQS, TAS, NV, RBM, WtK, File-2

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

May 31, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - May 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

No further developments during the month.

James D. Sell
James D. Sell

JDS:1b

MINING AUTHORIZATION NO. 0041-01
INSPIRATION COPPER JOINT VENTURE, RAWHIDE
PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

MAY - 1974

Account No.	Item	This Month	This Year	Total To Date
521-10	Surface Drilling - Salaries	\$	\$ 165.21	\$
521-20	- Supplies		1026.43	
521-25	- Services		1418.06	
521-29	- Traveling		44.50	
521-35	- Add. Labor		34.14	
521-40	- Taxes		40.75	
530-10	Geology - Salaries		235.00	
530-35	- Add. Labor		72.85	
540-20	Sampling, Assaying, Laboratory - Supplies		23.00	
540-25	- Services		130.95	
550-25	Geophysics - Services		195.00	
580-10	Construction, Temporary - Salaries		386.8	
580-25	- Services		100.42	
580-29	- Traveling		8.10	
580-35	- Add. Labor		11.99	
620-10	General Administration - Salaries		112.00	
620-20	- Supplies		3.52	
620-35	- Add. Labor		23.14	
620-40	- Taxes		3.02	
641-49	Distributable Accounts - Autos		244.20	
540.29	Sampling, Assaying, Laboratory - Traveling		32.05	

\$ - \$ 3963.01 \$

Authorized
 Expended

\$ 17500.00
3963.01

Balance Unexpended

\$ 13536.99

Orig: JJC Collins
 cc: HQS, TAS, NV, RBM, WtK, File-2

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

June 25, 1974

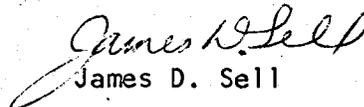
TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - June 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

No further developments were undertaken during the month on the claim block.

Two holes to the north of the block are or will be useful in interpretation of this sector. One is Arizona Mining's L-2 which is still coring in Schultze Granite with apparently only nominal values for fresh granite. The other is the old hole DCA-3 which has been cleaned and cased to 2993 feet. ASARCO will core the hole upon the availability of a core rig.


James D. Sell

JDS:lb

MINING AUTHORIZATION NO. 0041-01
 INSPIRATION COPPER JOINT VENTURE, RAWHIDE
 PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

JUNE - 1974

Account No.	Item	This Month	This Year	Total To Date
521-10	Surface Drilling - Salaries	\$	\$ 165 21	\$
521-20	- Supplies		1026 43	
521-25	- Services		1418 06	
521-29	- Traveling		44 50	
521-35	- Add. Labor		34 14	
521-40	- Taxes		40 75	
530-10	Geology - Salaries	<i>should be</i>	235 00	
530-35	- Add. Labor	<i>G.P.</i>	72 85	
540-20	Sampling, Assaying, Laboratory - Supplies		23 00	
540-25	- Services	<i>1330 00</i>	1460 95	
550-25	Geophysics - Services		195 00	
580-10	Construction, Temporary - Salaries		38 68	
580-25	- Services	<i>11317 50</i>	11417 92	
580-29	- Traveling		8 10	
580-35	- Add. Labor		11 99	
620-10	General Administration - Salaries		112 00	
620-20	- Supplies		3 52	
620-35	- Add. Labor		23 14	
620-40	- Taxes		3 02	
641-49	Distributable Accounts - Autos		244 20	
7540.29	<i>Sampling, Assaying, Laboratory - Traveling</i>		32 05	
		<u>\$12 647.50</u>	<u>\$16 610.51</u>	\$

Authorized
 Expended

\$ 17500.00
16610.51

Balance Unexpended

\$ 889.49

Orig: JJCcollins
 cc: HQS, TAS, NV, RBM, WtK, File-2

MINING AUTHORIZATION NO. 0041-01
 INSPIRATION COPPER JOINT VENTURE, RAWHIDE
 PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE
 JULY - 1974

Account No.	Item	This Month	This Year	Total To Date
521-10	Surface Drilling - Salaries	\$	\$ 165.21	\$
521-20	- Supplies		1026.43	
521-25	- Services		1418.06	
521-29	- Traveling		44.50	
521-35	- Add. Labor		34.14	
521-40	- Taxes		40.75	
530-10	Geology - Salaries		235.00	
530-35	- Add. Labor		728.5	
540-20	Sampling, Assaying, Laboratory - Supplies		23.00	
540-25	- Services	(1330.00)	130.95	
550-25	Geophysics - Services	> 1330.00	1525.00	
580-10	Construction, Temporary - Salaries		38.68	
580-25	- Services		1147.92	
580-29	- Traveling		8.10	
580-35	- Add. Labor		11.99	
620-10	General Administration - Salaries		112.00	
620-20	- Supplies		3.52	
620-35	- Add. Labor		23.14	
620-40	- Taxes		3.02	
641-49	Distributable Accounts - Autos		244.20	
540.29	Sampling, Assaying, Laboratory - Traveling		32.05	

billing of ICC on roadwork & geophysical work done prior to our taking over 2 years ago.

\$ - \$ 16610.51 \$

Authorized Expended \$ 17500.00
 16610.51
 Balance Unexpended \$ 889.49

Orig: JJC Collins
 cc: HQS, TAS, NV, RBM, WtK, File-2

MINING AUTHORIZATION NO. 0041-01
 INSPIRATION COPPER JOINT VENTURE, RAWHIDE
 PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

September 1974

Account No.	Item	This Month	This Year	Total To Date
521-10	Surface Drilling - Salaries	\$	\$ 165.21	\$
521-20	- Supplies		1026.43	
521-25	- Services		1418.06	
521-29	- Traveling		44.50	
521-35	- Add. Labor		34.14	
521-40	- Taxes		40.75	
530-10	Geology - Salaries		235.00	
530-35	- Add. Labor		728.5	
540-20	Sampling, Assaying, Laboratory - Supplies		23.00	
540-25	- Services		1130.95	
550-25	Geophysics - Services		1525.00	
580-10	Construction, Temporary - Salaries		386.8	
580-25	- Services		11417.92	
580-29	- Traveling		8.10	
580-35	- Add. Labor		11.99	
620-10	General Administration - Salaries		112.00	
620-20	- Supplies		3.52	
620-35	- Add. Labor		23.14	
620-40	- Taxes		3.02	
641-49	Distributable Accounts - Autos		244.20	
540.29	Sampling, Assaying, Laboratory - Traveling		320.5	
620-25	General Administration - Services		4.00	

\$ - \$16614.51 \$

Authorized
 Expended

\$ 17500.00
16614.51

Balance Unexpended

\$ 885.49

Orig: JJCcollins
 cc: HQS, TAS, NV, RBM, WtK, File-2

MINING AUTHORIZATION NO. 0041-01
 INSPIRATION COPPER JOINT VENTURE, RAWHIDE
 PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

October-1974

Account No.	Item	This Month	This Year	Total To Date
521-10	Surface Drilling - Salaries	\$	\$ 165.21	\$
521-20	- Supplies		1026.43	
521-25	- Services		1418.06	
521-29	- Traveling		44.50	
521-35	- Add. Labor		34.14	
521-40	- Taxes		40.75	
530-10	Geology - Salaries		235.00	
530-35	- Add. Labor		72.85	
540-20	Sampling, Assaying, Laboratory - Supplies		23.00	
540-25	- Services		130.95	
550-25	Geophysics - Services		1525.00	
580-10	Construction, Temporary - Salaries		38.68	
580-25	- Services		1147.92	
580-29	- Traveling		8.10	
580-35	- Add. Labor		11.99	
620-10	General Administration - Salaries		112.00	
620-20	- Supplies		3.52	
620-35	- Add. Labor		23.14	
620-40	- Taxes		3.02	
641-49	Distributable Accounts - Autos		244.20	
4540.29	Sampling, Assaying, Laboratory - Traveling		32.05	
620-25	General Administration - Services		4.00	

\$ - \$16614.51 \$

Authorized
 Expended

\$ 17500.00
16614.51

Balance Unexpended

\$ 885.49

Orig: JJCcollins
 cc: HQS, TAS, NV, RBM, W&K, File-2

EXPLORATION AUTHORIZATION NO. 0041-01
INSPIRATION COPPER JOINT VENTURE, RAWHIDE
PROJECT, PINAL COUNTY, ARIZONA

TUCSON OFFICE

JANUARY - 1975

Account No.	Item	This Month	This Year	Total To Date
521-10	Surface Drilling - Salaries	\$ 57.00	\$ 57.00	\$ 222.21
521-20	- Supplies	-	-	1026.43
521-25	- Services	-	-	1410.06
521-29	- Traveling	-	-	44.50
521-35	- Add. Labor	11.95	11.95	46.09
521-40	- Taxes	-	-	40.75
530-10	Geology - Salaries	-	-	235.00
530-35	- Add. Labor	-	-	72.85
540-20	Sampling, Assaying, Laboratory - Supplies	-	-	23.00
540-25	- Services	-	-	130.95
540-29	- Traveling	-	-	32.05
550-25	Geophysics - Services	-	-	1525.00
580-10	Construction, Temporary - Salaries	-	-	38.68
580-25	- Services	-	-	11417.92
580-29	- Traveling	-	-	8.10
580-35	- Add. Labor	-	-	11.99
620-10	General Administration - Salaries	-	-	112.00
620-20	- Supplies	-	-	3.52
620-25	- Services	-	-	4.00
620-35	- Add. Labor	-	-	23.14
620-40	- Taxes	-	-	3.02
641-49	Distributable Accounts - Autos	-	-	244.20
		<u>\$ 68.95</u>	<u>\$ 68.95</u>	<u>\$ 16,683.46</u>

Account of Allowance by Budget

Authorized	\$ 17500.00
Expended	<u>16683.46</u>
Balance Unexpended	<u>\$ 816.54</u>

Orig: JJCollins
 cc: HQS, TAS, NV, RBM, W.K. File-2

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

April 29, 1975

TO: W. L. Kurtz

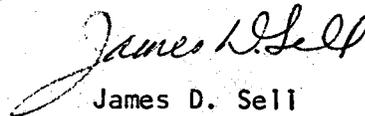
FROM: J. D. Sell

Monthly Report - April 1975
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

Conversation with Hugh Olmstead of ICC confirms the suggestion of applying our work for the contiguous claims into the Rawhide area. A letter has been sent for final clarification.

In the light of the recent statements of a possible merger of Crane Company with Inspiration, it would be of some interest to approach ICC for early sale of the Rawhide area and possibly the Eder area prior to any merger.(?)

Olmstead stated that the Margaret-Eder compromise line agreement has nearly cleared the lawyers in a form similar to his original proposal.


James D. Sell

JDS:1b

June 28, 1976

TO: F. T. Graybeal

FROM: J. D. Sell

Monthly Report - June 1976
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

The gravity work recently completed over the granite-schist contact west of the dacite plateau has been processed and the report submitted by SLC (May 3, 1976). The gravity data shows an anomaly at the contact which would be useable. However, with the fourth line, run over dacite cover, terrain corrections were necessary for valid interpretations, and by various models of cover density rock units it was concluded that the granite-schist contact might (50% chance) be able to be traced using precise elevation control and terrain correction procedures. No further work is planned at this time.

Several alternate drill sites and road access have been selected for establishing a site south of AI-1 on the Rawhide Project.

ICC has started road work on the Eder group, to the north, for clean-up of two previous drill sites (not drilled) and three new sites, in preparation for their summer's work on the block east of our A-1 hole.

No map is attached to this report.


James D. Sell

JDS:1b

ASARCO

Southwestern Exploration Division

April 30, 1980

TO: F. T. Graybeal

FROM: J. D. Sell

Monthly Report - April 1980
Rawhide Project
Asarco/ICC Joint Venture
Pinal County, Arizona

During the past month the road east from our hole A-13 was completed onto Inspiration ground.

A Joy 22 was moved on and during the month progressed to a depth of 1449 feet. The hole penetrated the vitrophyre from 1440-1444, and should shortly penetrate all the dacite and enter the Earlier Volcanic sequence.

The hole A1-2 was surveyed for location and elevation during the month.

Estimated expenses during the month were \$55,000, leaving a balance of (\$55,500).

James D. Sell
James D. Sell

JDS:1b

SOUTHWESTERN EXPLORATION DIVISION

26th MAR. thru
25th APR., 1980

MONTHLY COST SUMMARY

BAWHIDE - 0041 Project, PINAL (County), AZ. (State)

A. DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>	
_____	_____	
_____	_____	
_____	_____	<u>X</u>

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>	
<u>Joy Mfg. Co. (Mobilization and Drilling: Hole AI-2 from 0 to 1449')</u>	<u>\$ 30,000.00</u>	
_____	_____	<u>\$ 30,000.00</u>

Supplies and Freight	_____	<u>X</u>
Field Trailer Rental	_____	<u>X</u>
Water Purchases (Drilling)	_____	<u>X</u>

B. SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>	
<u>BRYANT CONST Co. (Access rd & site for Hole AI-2; Invoices No. 1672, 1673, & 1674)</u>	<u>\$ 22,665.47</u>	<u>\$ 22,665.47</u>

[WORK DONE IN MARCH & INCORRECTLY CHG'D TO SUPERIOR EAST]

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>	
_____	_____	<u>X</u>
Supplies and Freight	_____	<u>X</u>

C. SAMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____

X

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
_____	_____

X

D. CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____

X

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____

X

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____

X

E. OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
_____	_____
_____	_____
_____	_____
_____	_____

X

CC : CDN
JDS

TOTAL = \$ 52,665.47
SAY \$ 53,000.00

APD
4-28-80

JDS

BRYANT CONSTRUCTION CO.
GENERAL CONTRACTORS — LIC. NO. A-43332
843 SPRAY STREET
SUPERIOR, ARIZONA 85273
PHONE 689-2627

4-9-80
NPW

1672

DATE	Apr. 4, 1980
CUSTOMER'S ORDER	# P.O. T-194-0
SALESMAN	
TERMS	
F.O.B.	
SHIPPED VIA	

Sold To ASARCO Incorporated
Southwestern Exploration Division
P.O. Box 5747 Tucson, Az. 85703

Shipped To Asarco--Inspiration Drill Site (AI-2)

Drilling & Blasting Equipment With 2 Men @ \$550.00 Day				
Mar 24	Drilling Drill Site	8 hrs	550	00
25	Drilling Drill Site	8 hrs	550	00
26	Drilling & Blasting Drill Site	8 hrs	550	00
D-8-H Dozer & Ripper @ \$92.00 Hour				
Mar 23	Drill Sites	4 hrs	368	00
26	Drill Sites	5 hrs	460	00
12 Yard Dump Truck @ \$40.00 Hour				
Mar 26	Hauling Fines on Drill Site	5 hrs	200	00
Backhoe Loader @ \$35.00 Hour				
Mar 26	Loading Fines for Drill Site	2 hrs	70	00
Total			\$2,748	00
State Tax 2.6%				
			71	45
Total			\$2,819	45
		RAWHIDE - 0011 APPROVED FOR PAYMENT By: <u>NPW</u> (Signature) 4-14-80		
		APPROVED FOR PAYMENT By: _____ (Signature)		

Redifprm CC: JDS

75 737
Poly Pak (50 sets) 7P737

INVOICE

BRYANT CONSTRUCTION CO.
 GENERAL CONTRACTORS — LIC. NO. A-43332
 843 SPRAY STREET
 SUPERIOR, ARIZONA 85273
 PHONE 689-2627

*A-9-80
 NPW*

1673

DATE	Apr. 4, 1980
CUSTOMER'S ORDER	
P.O. #	T-193-0
SALESMAN	
TERMS	
F.O.B.	
SHIPPED VIA	

Sold To ASARCO Incorporated
Southwestern Exploration Division
P.O. Box 5747 Tucson, Az. 85703

Shipped To New Road East to Asarco & Inspiration Site (AI-2)
Drilling & Blasting Equipment With 3 Men @ \$890 Day

Date	Description	Men	Hrs	Rate	Total
Feb 29	Drilling New Road East	4 men	8 hrs		890 00
Mar 1	Drilling New Road	4 men	8 hrs		890 00
3	Drilling New Road	4 men	2 hrs		222 50
4	Drilling & Blasting	4 men	8 hrs		890 00
5	Drilling New Road	3 men	8 hrs		890 00
6	Drilling New Road	4 men	8 hrs		890 00
7	Drilling & Blasting	4 men	8 hrs		890 00
10	Drilling & Blasting	4 men	8 hrs		890 00
12	Drilling & Blasting	4 men	8 hrs		890 00
13	Drilling & Blasting	3 men	8 hrs		890 00
14	Drilling & Blasting	3 men	8 hrs		890 00
17	Drilling & Blasting	3 men	8 hrs		890 00
18	Drilling New Road	3 men	8 hrs		890 00
20	Drilling & Blasting	3 men	8 hrs		890 00
21	Drilling & Blasting	3 men	8 hrs		890 00
	Total				\$12,682 50
	State Tax 2.6%				329 74
	Blasting Supplies				1,642 22
	Total				\$14,654 46

RAWHIDE-0041
 APPROVED FOR PAYMENT
 By: NPW
 (Signature) 4-14-80

APPROVED FOR PAYMENT
 By: _____
 (Signature)

Rediform *cc: JDS*
 75 737
 Poly Pak (50 sets) 7P737

INVOICE

BRYANT CONSTRUCTION CO.
 GENERAL CONTRACTORS — LIC. NO. A-43332
 843 SPRAY STREET
 SUPERIOR, ARIZONA 85273
 PHONE 689-2627

1674

1-9-80
 NPW

DATE	Apr. 4, 1980
CUSTOMER'S ORDER	P.O. # T-193-0
SALESMAN	
TERMS	
F.O.B.	
SHIPPED VIA	

Sold To ASARCO Incorporated
Southwestern Exploration Division
P.O. Box 5747 Tucson, Az. 85703

Shipped To New Road East to Asarco & Inspiration Site (AI-2)
D-8-H Dozer & Ripper @ \$92.00 Hour

Feb 29	Pioneer New Road East	2 hrs	184	00
Mar 1	Dozing New Road	1 hr	92	00
Mar 3	Dozing New Road	1 hr	92	00
4	Dozing New Road	3 hrs	276	00
5	Dozing New Road	2 hrs	184	00
6	Dozing New Road	2 hrs	184	00
7	Dozing New Road	1 hr	92	00
8	Pioneer New Road East	5 hrs	460	00
10	Pioneer New Road East	4 hrs	368	00
12	Pioneer New Road East	4 hrs	368	00
13	Pioneer New Road East	2½ hrs	230	00
14	Leveling Blast	3 hrs	276	00
17	Leveling Blast	3 hrs	276	00
18	Pioneer New Road	1 hr	92	00
20	Leveling Blast	3 hrs	276	00
21	Leveling Blast	2½ hrs	230	00
24	Re-finish Drill Site West	4 hrs	368	00
25	Re-finish Drill Site West	6 hrs	552	00
	Total		\$4,600	00
	12 Yard Dump Truck @ \$40.00 Hour			
Mar 25	Hauling Finish Material on Road	8 hrs	320	00
25	Backhoe Loader @ \$35.00 Hour	4 hrs	140	00
	Total		\$5,060	00
	State Tax 2.6%		131	56
	Total		\$5,191	56

RAWHIDE - 0041

APPROVED FOR PAYMENT

By: NPW
 (Signature) 4-14-80

APPROVED FOR PAYMENT

By: _____
 (Signature)

Rediform cc: JDS

75 737
 Poly Pak (50 sets) 7P737

INVOICE

May 29, 1980

TO: F. T. Graybeal

FROM: N. P. Whaley

Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona
Progress Report--May 1980

During the period April 26 through May 25 the diamond drill hole designated as AI-2 was advanced from 1449' to 1903' on a one- to three-shift per day basis. This markedly reduced production reflects the absence of the lead driller following a serious accidental burn. He is now back on the rig and operation should return to normal.

Formations represented in the core were reported to be as follows:

1449'-1472'	Tertiary dacite
1472'-1780'	Tertiary earlier volcanic rocks
1780'-1903'	whitetail conglomerate

Expenses for the period were \$12,300, leaving an estimated balance of (\$66,900).

N. P. Whaley
N. P. Whaley

NPW:lb

cc: JDSell ✓

ASARCO

JDS:

YOUR COPIES

NPW

Exploration Department
Southwestern United States Division
Frederick T. Graybeal
Manager

June 10, 1980

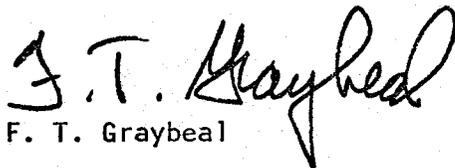
Memorandum to all Drill Crews:

Rawhide Project

The following personnel are authorized for access to drill rigs, core, sample materials, and related shift reports:

W. F. Baker
T. C. Benavidez
F. T. Graybeal
H. G. Kreis
W. L. Kurtz
D. A. Melhado
G. W. Pickard
J. D. Sell
R. B. Sprague
N. P. Whaley

If you are not acquainted with anyone claiming to be one of the above, please require positive identification such as a driver's license. Do not accept business cards.


F. T. Graybeal

1b

June 30, 1980

TO: F. T. Graybeal

FROM: J. D. Sell

Progress Report - June, 1980
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

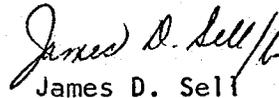
During the period of May 26 through June 25, the diamond drill hole AI-2 advanced 605 feet, from 1903 feet to 2508 feet. The hole was cored NC to a casing depth of 1961 feet with NX size below.

Synopsis of the cored formations is:

Surface-1472'	Tertiary Dacite
1472'-1780'	Tertiary Earlier Volcanics
1780'-2508'	Tertiary Whitetail Conglomerate

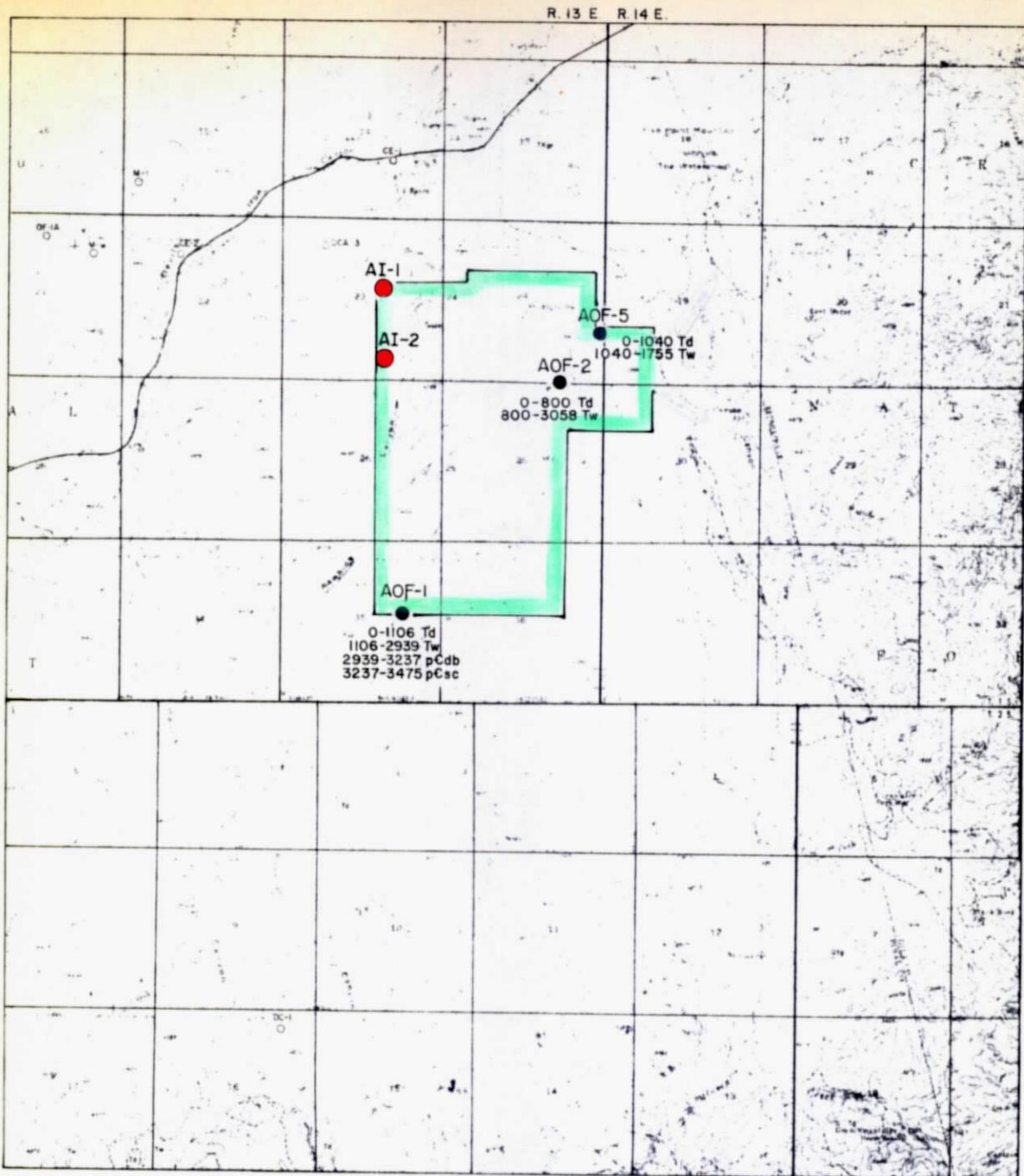
A trace of native copper has been noted in the conglomerate.

Expenses for the period are estimated at \$16,200, with an estimated balance of \$122,000.


James D. Sell

JDS:lb
Att.

cc: NPWhaley



AI-1
 O-1565 Td
 1565-2250 Tev
 2250-3046 Tw
 3046-3238 pCsc bx
 3238-3967 pCsc

AI-2
 O-1472 Td
 1742-1780 Tev
 1780-2508 Td

O-1106 Td
 1106-2939 Tw
 2939-3237 pCdb
 3237-3475 pCsc

O-800 Td
 800-3058 Tw

O-1040 Td
 1040-1755 Tw

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
3475 pCsc
- ↙ Rock type
- ↘ Bottom hole depth
- ⊕ AI
Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist



TO ACCOMPANY *Monthly*
Drilling Report
 DATED *6/30/80*
 BY *J.D. Sell*

**ASARCO - ICC
 Joint Venture
 RAWHIDE PROJECT**

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile

J.D.S.

SOUTHWESTERN EXPLORATION DIVISION

26th MAY thru
25th JUN, 1980

MONTHLY COST SUMMARY

SAWHIDE - 0091 Project, PINAL (County), AZ. (State)

A. DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>	
_____	_____	
_____	_____	
_____	_____	X

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>	
<u>JOY MFG. Co. (DRILLING OF HOLE AI-2 FROM</u>		
<u>1903' TO 2508')</u>	<u>\$ 16,700.00</u>	
_____	_____	\$ 16,700.00

<u>Supplies and Freight</u>	_____	X
-----------------------------	-------	---

<u>Field Trailer Rental</u>	_____	X
-----------------------------	-------	---

<u>Water Purchases (Drilling)</u>	_____	X
-----------------------------------	-------	---

B. SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>	
_____	_____	
_____	_____	X

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>	
_____	_____	
_____	_____	X

<u>Supplies and Freight</u>	_____	X
-----------------------------	-------	---

C. SAMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

_____ X

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
_____	_____
_____	_____

_____ X

D. CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

_____ X

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

_____ X

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

_____ X

E. OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
_____	_____
_____	_____
_____	_____
_____	_____

_____ X

TOTAL = \$ 16,700.00

APD
7-1-80

July 31, 1980

Please mail to individuals who wrote the reports.

Progress Report - July 1980
Rawhide Project
Pinal County, Arizona

Drill hole AI-2 was extended 316 feet, from 2508' to 2824' as NX core. Synopsis of the core follows, as partially reported last month:

1780-2622	Tertiary Whitetail Conglomerate
2622-2824	Precambrian Pinal Schist

The Pinal Schist has not been logged in detail, but from the contact at 2622 to 2748 feet, the core was in quartz-sericite altered gossan-type material. From 2748' to 2767' is a flattish red gouge breccia zone with continued, but variable, breccia and gouge continuing below, but having relatively unaltered Pinal Schist.

As noted from the poor footage performance, the hole has experienced much trouble in the form of caving ground from about 2400 to 2500 feet.

At present, the hole is in relatively hard cemented Pinal Schist breccia at 2838½ feet and if the hole can be cleaned and stabilized, then casing will be set and the hole reduced to BX size.

Expenses during the month are estimated at \$11,000, leaving a balance of \$112,000.

James D. Sell
 James D. Sell

JDS:1b

MONTHLY COST SUMMARY

RAWHIDE - 0041

Project, PINAL
(County)

AZ.
(State)

DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

X

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Joy MFG. Co. (DRILLING HOLE AI-2
FROM 2508' TO 2824')

\$ 10,000.00

\$ 10,000.00

Supplies and Freight

X

Field Trailer Rental

X

Water Purchases (Drilling)

X

SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

X

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

X

Supplies and Freight

X

cc: CDN
JDS

∴ SAMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>	
_____	_____	_____	X

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>	
_____	_____	X

D. CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>	
_____	_____	X

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>	
_____	_____	X

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>	
_____	_____	_____	X

E. OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>	
<u>PORTA HOUSE (1/2 OF MONTHLY RENTAL FEE FOR STORAGE TRAILER)</u>	<u>\$ 72.28</u>	
_____	_____	
_____	_____	\$ 72.28

TOTAL = \$ 10,072.28

SAY \$ 11,000.00

NW
7-29-80



JOY MANUFACTURING COMPANY

JDS

OLIVER BUILDING
PITTSBURGH, PENNSYLVANIA 15222

PLEASE REMIT TO
P. O. BOX 360135M
PITTSBURGH, PA. 15250

CUSTOMER'S ORDER NO. T-278-0	DATE	REQ. NO.	DATE	AT REC. POINT	B.O.NO.
CONTRACT	CODE	OUR ORDER NO.	DATE	AT SHIP POINT	
99	69 05 03 02 209			544	

7-29-80
NPK

02250
SOLD TO
Asarco Inc.
P. O. Box 5747
Tucson, AZ 85703
Attn: Mr. N. P. Whaley

SHIPPED TO
Superior, AZ (Rawhide Project)

TERMS NET 30 DAYS
NO CASH DISCOUNT

PLEASE REMIT TO
P. O. BOX 360135M
PITTSBURGH, PA. 15250

INVOICE NO. 52118317
INVOICE DATE 7/21/80
DATE SHIPPED
SHIPPED VIA

P. O. ADDRESS

MARKS

REQUESTED ROUTING

SHIPPED FROM LaPorte

ORIGINAL QUANTITY ORDERED	PART NUMBER	DESCRIPTION	CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
		To 605.' core drilling at Superior, AZ (Rawhide Project) for period ending June 25, 1980 as per agreement.					
	<u>PROSPECT NO.</u>	<u>FROM</u> <u>TO</u>		<u>TOTAL FEET</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>	
	A1-2	NC 1903 ✓ 1961.		58.	18.80 ✓	1,090.40	
		NX 1961. 2000.		39.	17.30 ✓	674.70	
		NX 2000. 2500.		500.	18.60 ✓	9,300.00	
		NX 2500. 2508. ✓		8.	20.40 ✓	163.20	
		See last pg. for total invoice					11,228.30
	<u>CEMENTING AND/OR PLUGGING</u>						
	A1-2	June 3 ✓ 1 hour June 5 ✓ 2 hours June 6 ✓ 2 hours June 9 ✓ 2 1/2 hours June 11 ✓ 2 1/2 hours					
		10 hours @ \$40.00/hour					400.00
	<u>CORE BOXES USED</u>						
	A1-2	68 cardboard core boxes @ \$2.00 each					136.00

DUPLICATE

F. O. B. SHIPPING POINT UNLESS OTHERWISE SPECIFIED

NO RETURNS ALLOWED UNLESS AUTHORIZED BY THIS OFFICE

GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH THE REQUIREMENTS OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, INCLUDING SECTION 12(A).

09007

JOY MANUFACTURING COMPANY

PAGE NO. 2

SOLD TO Asarco Inc.

OUR ORDER NO.	AT REC. POINT	AT SHIP POINT	B.O. NO.	INVOICE NO. 52118317
---------------	---------------	---------------	----------	--------------------------------

ORIGINAL QUANTITY ORDERED	UNIT	PART NUMBER	DESCRIPTION	CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
SET & PULL CASING								
	A1-2		May 29 ✓ 18 hours					
			May 30 ✓ 20 hours					
			38 hours @ \$40.00/hour					1,520.00 ✓
MUD & ADDITIVES USED								
	A1-2	110	50# bags mud gel @ \$5.39					592.90
		3	50# bags CC-16 @ \$35.87					107.61
		4	50# bags Cellex @ \$228.00					912.00
		1	50# bag Dextrid @ \$92.19					92.19
		1	100# bag soda ash @ \$33.22					33.22
		110	gals. soluble oil @ \$3.30					363.00
		11	50# bags walnut flour @ \$27.39					301.29
		20	100# bags Baroid @ \$11.28					225.60
		4	40# bags mud seal @ \$27.87					111.48
			Total mud & additives					2,739.29 ✓
WATER TRUCK RENTAL								
			May 26 thru June 25					
			1 truck @ \$550.00/month					550.00 ✓
			105 miles @ \$.55/mile					57.75 ✓
ADDITIVES USED IN MAY AND NOT INVOICED								
			1 50# bag Cellex					228.00 ✓
			TOTAL INVOICE:					\$16,859.34 ✓
<p>RAWHIDE - 0041 APPROVED FOR PAYMENT By: <u>NPD</u> (Signature) 7-29-80</p> <p>APPROVED FOR PAYMENT By: _____ (Signature)</p>								
cc: JDS								

August 28, 1980

TO: W. L. Kurtz

FROM: G. W. Pickard

Progress Report - August, 1980
Rawhide Project
Pinal County, Arizona

Drill hole AI-2 was drilled NX from 2824 to 2838½ feet where casing was set and the hole reduced to BX size. Drilling continued without any major problems to 3387 feet, a total of 563 feet for the month.

The drilling has been entirely in the Precambrian Pinal schist. From 2824 to 3155 feet the schist was relatively unaltered with occasional short stretches of fault gouge and breccia. Specular hematite is pervasive throughout the rock and along fracture planes. Narrow, isolated pyrite veinlets parallel the schistosity, which is at 40 to 50° to axis of core. Occasional specks of pyrite and isolated grains of chalcopyrite were noted.

From 3155 to 3387 feet the schist shows minor sericite and occasional narrow quartz and pyrite veinlets paralleling the schistosity, which varies from 25 to 35° to the axis of the core. Specular hematite continues pervasive throughout the rock with specks of pyrite. At 3386.5 feet there is a ½ inch seam of quartz and pyrite.

Expenses during the month are estimated at \$20,000, leaving an estimated balance of \$92,000.



G. W. Pickard

GWP:1b

cc: JDSell

JDS

ASARCO

Exploration Department
Southwestern United States Division

August 20, 1980

Memorandum to all Drill Crews:

Rawhide Project

The following personnel are authorized for access to drill rigs, core, sample materials, and related shift reports:

- W. F. Baker
- T. C. Benavidez
- F. T. Graybeal
- H. G. Kreis
- W. L. Kurtz
- D. A. Melhado
- G. W. Pickard
- J. D. Sell
- R. B. Sprague
- N. P. Whaley
- J. M. Wood

If you are not acquainted with anyone claiming to be one of the above, please require positive identification such as a driver's license. Do not accept business cards.

N. P. Whaley
N. P. Whaley
Geologist

1b



JOY MANUFACTURING COMPANY

JUS

OLIVER BUILDING
PITTSBURGH, PENNSYLVANIA 15222

PLEASE REMIT TO
P. O. BOX 360135M
PITTSBURGH, PA. 15250

CUSTOMER'S ORDER NO.	DATE	REQ. NO.	DATE	AT REC. POINT	B.O. NO.
T-278-0					
CONTRACT	CODE	OUR ORDER NO.	DATE	AT SHIP POINT	
99	69 05 03 02 209			544	

8-15-80
NPW

02,250
SOLD TO ASARCO, Inc.
P. O. Box 5747
Tucson, AZ 85703
Attn: Mr. N. P. Whaley

SHIPPED TO Superior, AZ (Rawhide Project)

TERMS NET 30 DAYS
NO. CASH DISCOUNT

INVOICE NO. 52118342
INVOICE DATE 8/11/80
DATE SHIPPED
SHIPPED VIA

P. O. ADDRESS

MARKS

REQUESTED ROUTING

SHIPPED FROM LaPorte

ORIGINAL QUANTITY ORDERED	PART NUMBER	DESCRIPTION	CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
	To 316.1' core drilling at Superior, AZ (Rawhide Project) for period ending July 25, 1980 as per agreement.						
	<u>PROSPECT NO.</u>	<u>FROM</u>	<u>TO</u>	<u>TOTAL FEET</u>	<u>UNIT COST</u>	<u>TOTAL COST</u>	
	A1-2	NX	2508. ✓	2824. ✓	316. ✓	20.40 ✓	6,446.40 ✓
	<u>MUD & ADDITIVES USED</u>						
	A1-2	20 ✓	50# bags mud gel @ \$5.39				107.80
		1 ✓	50# bag CC-16 @ \$35.87				35.87
		6 ✓	100# bags potash @ \$31.76				190.56
		2 ✓	50# bags Cellex @ \$228.00				456.00
		6 ✓	50# bags Dextrid @ \$92.19				553.14
		1 ✓	40# bag mud seal @ \$27.87				27.87
		1 ✓	100# bag soda ash @ \$33.22				33.22
		6 ✓	50# bags walnut flour @ \$27.39				164.34
		10 ✓	100# bags Baroid @ \$11.28				112.80
		4 ✓	50# bags Lo Loss @ \$200.98				803.92
		3 ✓	5 gal. cans B-33 @ \$63.34				190.02
			Total mud & additives				2,675.54 ✓
	<u>CORE BOXES USED</u>						
		36 ✓	cardboard core boxes @ \$2.00 each				72.00 ✓

F. O. B. SHIPPING POINT UNLESS OTHERWISE SPECIFIED

NO RETURNS ALLOWED UNLESS AUTHORIZED BY THIS OFFICE

09007

GOODS COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH THE REQUIREMENTS OF THE FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED, INCLUDING SECTION 12(A).

JOY MANUFACTURING COMPANY

PAGE NO. 2

SOLD TO ASARCO, Inc.

OUR ORDER NO.	AT REC. POINT	AT SHIP POINT	B.O. NO.	INVOICE NO. 52118342
---------------------	---------------	---------------	----------	--------------------------------

ORIGINAL QUANTITY ORDERED	UNIT	PART NUMBER	DESCRIPTION	CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
			<p><u>WATER TRUCK RENTAL</u></p> <p>June 26 thru July 25</p> <p>1 truck @ \$550.00/month</p> <p>41 miles @ \$.55/mile</p>					<p>550.00</p> <p>22.55</p> <hr/> <p>TOTAL INVOICE: \$9,766.49</p>
			<p><i>RAWHIDE - 0041</i></p> <p>APPROVED FOR PAYMENT</p> <p>By: <u><i>NPQ</i></u></p> <p style="padding-left: 40px;">(Signature) 8-18-80</p>					
			<p>APPROVED FOR PAYMENT</p> <p>By: _____</p> <p style="padding-left: 40px;">(Signature)</p>					
			<p>cc: JDS</p>					

SOUTHWESTERN EXPLORATION DIVISION

26th JULY thru
25th AUG, 1980

MONTHLY COST SUMMARY

AWHIDE - 0041 Project, PINAL, AZ.
(County) (State)

DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>	
_____	_____	
_____	_____	
_____	_____	X

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>	
<u>JOY MFG. CO. (DRILLING HOLE AI-2 FROM</u>	<u>\$ 19,200.00</u>	
<u>2824' TO 3387')</u>		
_____	_____	\$ 19,200.00
_____	_____	

Supplies and Freight

_____	_____	X
-------	-------	---

Field Trailer Rental

_____	_____	X
-------	-------	---

Water Purchases (Drilling)

_____	_____	X
-------	-------	---

SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>	
_____	_____	
_____	_____	X

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>	
_____	_____	
_____	_____	X

Supplies and Freight

_____	_____	X
-------	-------	---

SAMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____

_____ X _____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
_____	_____

_____ X _____

CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____

_____ X _____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____

_____ X _____

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____

_____ X _____

OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
<u>PORTA HOUSE (1/2 OF MONTHLY RENTAL FEE FOR FIELD TRAILER)</u>	<u>\$ 72.28</u>
_____	_____
_____	_____

_____ \$ 72.28

TOTAL = \$ 19,272.28

SAY \$ 19,300.00

cc: CDN
JDS

NPW
8-28-80

GW Pickard

RAWHIDE
SUPERIOR E.

We will terminate the Rawhide Project drill (A-I-2) if it is in barren schist at 3500 ft or as soon thereafter as core can be reviewed. That drill can be dismissed from project. We will continue for rest of 1980 using only one rig.

We will move A-13 to the vertical air-hammer hole A-14 when it is complete. Dyna-drilling in A-12 will be postponed until early 1981. Keep me/WLK advised on progress/assays from A-13.

cc. WLK ✓
JDS ✓
NPW

FTG
9/1/80

September 26, 1980

TO: W. L. Kurtz

FROM: J. D. Sell

Monthly Report - Sept. 1980
Rawhide Project
Pinal County, Arizona

The drill hole AI-2 was terminated on August 18 after reaching a depth of 3612 feet. This BX core had continued from 3387 feet, giving a total of 225 feet for the drilled portion of the month.

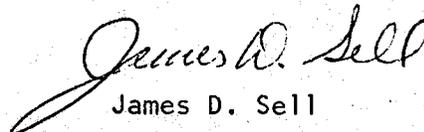
Sulfides, pyrite, and occasional chalcopyrite, along with hematite continued to the bottom of the hole, but in minor amounts.

The core has been flagged for spot assay splitting, but as of this date none has been split.

The rig has been released, the site fairly well cleaned, the hole capped, and a stack of casing remains on location. It is anticipated that the casing will be removed and restacked nearer the A-14 site. Upon clearing the area, Bryant Construction will prepare the site and road for reseeding and block off the access at the old road entrance.

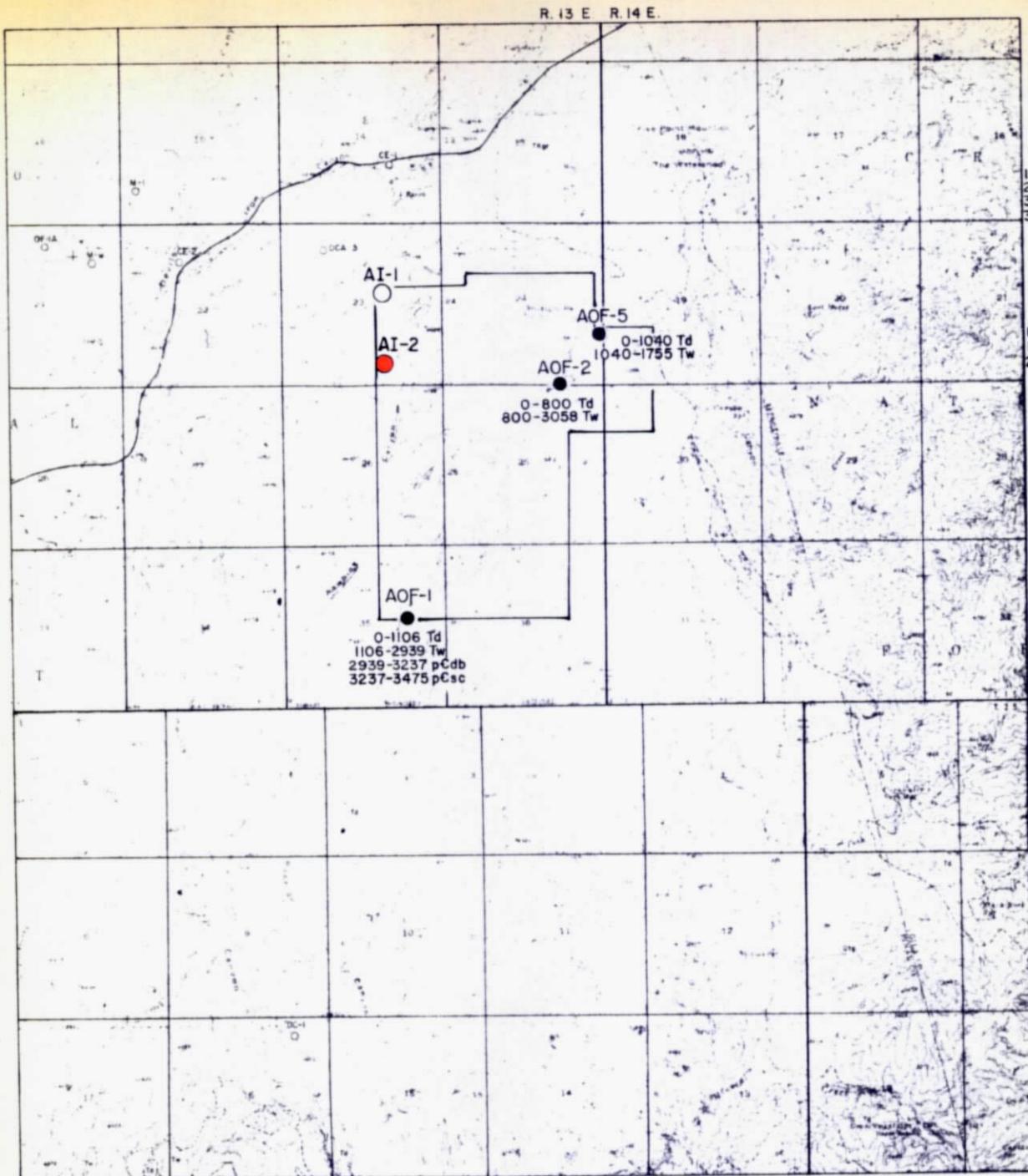
Expenses during the month are estimated at \$18,750, leaving an estimated balance of \$73,500.

The forthcoming quarter will be involved in splitting and assaying the AI-2 hole and integration of data for proposing a further test of the project area.


James D. Sell

JDS:lb
Att.

cc: GWPickard



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- 3475 pCsc
- Rock type
- Bottom hole depth
- AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist

TO ACCOMPANY *Monthly*
Drilling Report
 DATED *9/30/80*
 BY *J. D. Lee*

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT
 GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile
 J.D.S.

SOUTHWESTERN EXPLORATION DIVISION

26th AUG thru
25th SEPT, 1980

MONTHLY COST SUMMARY

RAWHIDE - 0041

Project, PINAL
(County)

AZ.
(State)

DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

X

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

Joy Mfg. Co. (DRILLING HOLE AI-2 FROM 3387'
TO 3612' [TD] AND DEMOBILIZATION)

\$ 17,000.00

\$ 17,000.00

Supplies and Freight

X

Field Trailer Rental

X

Water Purchases (Drilling)

X

SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services

Statement Amt.

X

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services

Estimated Cost

X

Supplies and Freight

X

SAMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

_____ X

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
<u>SEE G.W. PICKARD OR J.D. SELL</u>	_____
_____	_____

_____ ?

CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

_____ X

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

_____ X

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

_____ X

OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
<u>MOLLEN-HAUER SURVEYING Co. (DIRECTIONAL SURVEY AND TEMPERATURE LOG, HOLE AI-2)</u>	<u>\$ 1,159.32</u>
<u>PORTA HOUSE (1/2 OF MONTHLY RENTAL FEE FOR FIELD TRAILER)</u>	<u>\$ 72.28</u>
	<u>\$ 1,231.60</u>

TOTAL = \$ 18,231.60

SAY \$ 18,500.00

NOTE : THIS SHOULD CONCLUDE DIRECT DRILLING-COST OPERATIONS FOR THIS PROJECT.

cc : JDS ✓

NW
9-29-80

JDS



JOY MANUFACTURING COMPANY

OLIVER BUILDING
PITTSBURGH, PENNSYLVANIA 15222

9-22-80
NPU

PLEASE REMIT TO
P. O. BOX 360135M
PITTSBURGH, PA. 15250

CUSTOMER'S ORDER NO. T-278-0	DATE	REQ. NO.	DATE	AT REG. POINT	B.O.NO.
CONTRACT	CODE	OUR ORDER NO.	DATE	AT SHIP POINT	
	99 69 05 03 02 209			544	

02250
SOLD TO
Asarco, Inc.
P. O. Box 5747
Tucson, AZ 85703
Attn: Mr. N. P. Whaley
SHIPPED TO
Rawhide Project - Superior, AZ

TERMS NET 30 DAYS
NO CASH DISCOUNT

INVOICE NO. 52118384

INVOICE DATE 9/10/80

PLEASE REMIT TO
P. O. BOX 360135M
PITTSBURGH, PA. 15250

DATE SHIPPED

SHIPPED VIA

P. O. ADDRESS

MARKS

REQUESTED ROUTING

SHIPPED FROM LaPorte

QUANTITY ORDERED	PART NUMBER	DESCRIPTION	CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
		To 563.' core drilling at Rawhide Project - Superior, AZ for period ending Augus 25, 1980. as per agreement.					
	<u>PROSPECT NO.</u>	<u>FROM</u> <u>TO</u>		<u>TOTAL FEET</u>		<u>UNIT COST</u>	<u>TOTAL COS</u>
	A1-2	NX 2824. ✓ 2831.		7.		20.40 ✓	142.80
		BX 2831. 3000.		169.		20.20 ✓	3,413.80
		BX 3000. 3387. ✓		387.		22.60 ✓	8,746.20
		See last page for total invoice					12,302.80
	<u>SET & PULL CASING</u>						
	A1-2	July 30 8 ✓ hours					
		July 31 24 ✓ hours					
		August 1 24 ✓ hours					
		56 ✓ hours @ \$40.00/hour					2,240.00
	<u>MUD & ADDITIVES USED</u>						
		31 ✓ 50# bags mud gel @ \$5.39					167.09
		2 ✓ 50# bags CC-16 @ \$35.87					71.74
		1 ✓ 50# bags caustic soda @ \$43.88					43.88
		2 ✓ 50# bags Cellex @ \$228.00					456.00
		5 ✓ 50# bags Dextrid @ \$92.19					460.95
		1 ✓ 40# bag mud seal @ \$27.87					27.87
		2 ✓ 100# bags soda ash @ \$33.22					66.44
		55 ✓ gals. soluble oil @ \$2.90/gal.					159.50

continued

JOY MANUFACTURING COMPANY

PAGE NO. 2

SOLD TO Asarco, Inc.

OUR ORDER NO.	AT REC. POINT	AT SHIP POINT	B.O. NO.	INVOICE NO. 52118384
---------------	---------------	---------------	----------	-------------------------

ORIGINAL QUANTITY ORDERED	UNIT	PART NUMBER	DESCRIPTION	CODE	UNIT PRICE	QUANTITY BACK ORDERED	QUANTITY SHIPPED	AMOUNT
			<u>MUD & ADDITIVES USED (continued)</u>					
			3 ✓ 50# bags Lo Loss @ \$200.98					602.94*
			6 ✓ 100# bags potash @ \$31.76					190.56*
			4 ✓ 50# bags walnut flour @ \$27.39					<u>109.56*</u>
			Total mud & additives					2,356.53
			<u>CORE BOXES USED</u>					
			59 cardboard core boxes @ \$2.00 each					118.00*
			<u>WATER TRUCK RENTAL</u>					
			July 26 thru August 25					
			1 truck @ \$550.00/month					550.00*
			45 miles @ \$.55/mile					<u>24.75*</u>
								TOTAL INVOICE: \$17,592.08*
			<p><i>RAWHIDE PROJECT - 0041</i></p> <p>APPROVED FOR PAYMENT</p> <p>By: <u><i>NPO</i></u> (Signature) 9-23-80</p> <p>APPROVED FOR PAYMENT</p> <p>By: _____ (Signature)</p>					
			cc: JDS					

ASARCO

Southwestern Exploration Division

December 23, 1980

TO: W. L. Kurtz

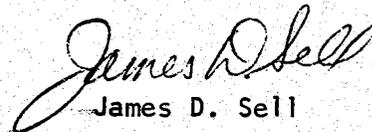
FROM: J. D. Sell

Monthly Report - Dec. 1980
Rawhide Project
Pinal County, Arizona

No work was done on the project during the quarter, due to work/time commitments elsewhere.

It is anticipated that some core will be split in the coming quarter.

No map is attached. The balance of the authorization is \$75,694.40


James D. Sell

JDS:lb

cc: GWPickard

ASARCO

Southwestern Exploration Division

January 12, 1981

TO: W. L. Kurtz

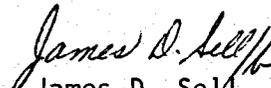
FROM: J. D. Sell

Drill Hole Information
ASARCO/ICC Joint Venture
Rawhide Project
Pinal County, Arizona

Rene von Boeck of Inspiration called on 1/9/81 to inquire about logs of the two holes (AI-1 and AI-2) drilled on the project lands and also inquired about looking at the core.

I told him no one was up at Miami now, where the core is stored, and that I would be out of the area until the middle of February or so.

This seemed to be OK with him and as an ending remark stated that he was figuring up the costs to see how Asarco was coming along and needed to check out the core, etc., to see what ICC might be doing in the area in the future.


James D. Sell

JDS:lb

ASARCO

Southwestern Exploration Division

June 30, 1981

TO: W. D. Payne

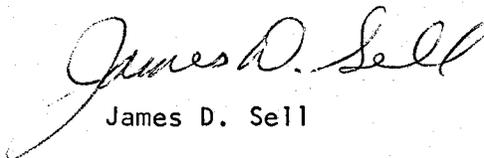
FROM: J. D. Sell

Monthly Report - June 1981
Rawhide Project EA-0041
ASARCO/ICC Joint Venture
Pinal County, Arizona

Core from drill hole AI-2, which was drilled in late 1980, has recently been split and sent for assay. All assays have not yet been received.

The best interval is 3030-3110 or 80 feet averaging 0.66% copper. Although fine molybdenite in smoky quartz veins were noted, only low assays of 0.002-0.005% Mo are reported.

Estimated expenditures for the month are \$2,000, leaving an estimated balance of \$73,000.


James D. Sell

JDS:rg

MONTHLY COST SUMMARY

Ranchide EA-0041 Project, Pinal, Arizona
(County) (State)

A. DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services Statement Amt.

_____	_____
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services Estimated Cost

_____	_____
_____	_____
_____	_____

Supplies and Freight

_____	_____
_____	_____

Field Trailer Rental

_____	_____
_____	_____

Water Purchases (Drilling)

_____	_____
_____	_____

B. SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

Contractors' Services Statement Amt.

_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

Contractors' Services Estimated Cost

_____	_____
_____	_____

Supplies and Freight

_____	_____
_____	_____

See next page

C. SAMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>	
<u>Mountain States R&D (Estimated)</u>	<u>1,299.25</u>	<u>1,299.25</u>

D. CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

E. OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
_____	_____
_____	_____
_____	_____
_____	_____

Total 1,299.25

~~1,200.00~~

Estimated Assay Charge: Mountain State R+D.

Rawhide Project EA-0041

Certificates #	511 (AI-2-1 thru AI-2-24)	\$ 455.50
"	512 (AI-2-25 " AI-2-43)	352.35
"	513 (AI-2-44 " AI-2-67)	323.50
"	514 (AI-2-68 " AI-2-73)	<u>107.90</u>
		\$ 1, 299.25

July 28, 1981

TO: W. D. Payne

FROM: J. D. Sell

Monthly Report - July 1981
Rawhide Project EA-0041
ASARCO/ICC Joint Venture
Pinal County, Arizona

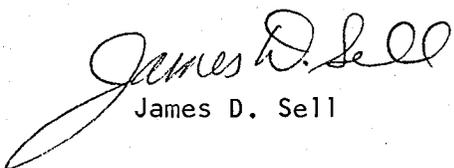
The graphic log of hole AI-2 has been prepared and sent to drafting, along with an assay report for typing.

The assays for hole AI-2 can be grouped as follows:

2616-2709½, oxidized, moved block? = 93½' @ 0.01% Copper
2709½-2748½, sulfide, moved block? = 39' @ 0.01%
2748½-2797, sulfide, basal fault zone = 48½' @ 0.03%
2797-2850, oxidized, in-place block = 53' @ 0.09%
2850-2920, partially oxidized, in-place = 70' @ 0.23%
2920-3030, sulfide, in-place = 110' @ 0.30%
3030-3110, partially oxidized, in-place = 80' @ 0.66%
3110-3160, partially oxidized, in-place = 50' @ 0.27%
3160-3200, partially oxidized, in-place = 40' @ 0.11%

Scattered assays to 3612', Total Depth, returned 0.05 to 0.19% copper values.

Estimated expenditures during the month were \$1,300, leaving an estimated balance of \$73,200.


James D. Sell

JDS:lb

MONTHLY COST SUMMARY

Rawhide Project EA-0198 Project, Pinal (County), Az (State)

A. DIRECT DRILLING (Acct. 521-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____
_____	_____

Supplies and Freight	_____
_____	_____

Field Trailer Rental	_____
----------------------	-------

Water Purchases (Drilling)	_____
----------------------------	-------

B. SITE PREPARATION (Acct. 580-)

CONTRACTORS' CHARGES

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

Supplies and Freight	_____
_____	_____
_____	_____

AMPLERS, SAMPLING, SAMPLE PREPARATION, ASSAYING (Acct. 540-)

Wages (Temporary Help)

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

Assaying

<u>Assayer</u>	<u>Charge or Estimated Expense for Assaying Performed During Month</u>
<i>Mountain States R&D Invoice 1,301.96</i>	<i>+ 2.71</i>
<i>Est last month 1299.25</i>	_____

D. CLAIM STAKING, VALIDATION (Acct. 507-)

Invoiced during month covering current month's work

<u>Contractors' Services</u>	<u>Statement Amt.</u>
_____	_____
_____	_____

Estimated balance of contractors' charges covering work through end of current month

<u>Contractors' Services</u>	<u>Estimated Cost</u>
_____	_____
_____	_____

Wages

<u>Name</u>	<u>No. of Straight Time Hours During Month</u>	<u>No. of Overtime Hours During Month</u>
_____	_____	_____
_____	_____	_____

E. OTHER (Itemize any other major expenses not covered above or by invoice.)

<u>Item</u>	<u>Cost</u>
_____	_____
_____	_____
_____	_____
_____	_____



mountain states research & development

Post Office Box 17960
Tucson, Arizona 85731
(602) 792-2800
Telex: (MSME TUC) 66-6490

A Division of Mountain States Mineral Enterprises, Inc.

June 28, 1981

To: ASARCO, Inc.
1150 N. 7th Ave.
P.O. Box 5747
Tucson, Arizona 85703

Project No.: B-31

Invoice No.: 5172

P.O. Number:

Period Covered: May 18 - June 28, 1981

Terms: Net - Upon Receipt

Attn: ~~Pete Vikre~~ → James Sell

MSR&D Employee Compensation:

<u>Hours</u>	<u>\$</u>	<u>Factor</u>		
			x	= \$

Consultation:

<u>Hours</u>	<u>Days</u>	<u>\$</u>		
				Per Hour/Per Day = \$

Assaying: = \$ 2,719.80

Expenses: (Per Attached Summary) = \$

Other: = \$

Total Invoice: = \$ 2,719.80

Project To Date Total: _____

REMARKS: Interim Billing _____ Final Billing _____

REMIT TO:
MOUNTAIN STATES MINERAL ENTERPRISES, INC.
SORT #8750
NEW YORK, N.Y. 10043

Rawhide Proj. \$ 1,301.96
 Superior East Proj. \$ 1,417.84
2,719.80

OK for Payment
James A. Sell

Cost Distribution:

Hole No - Assay No.	Certificate No.	Charges	
		Sample Prep	Assay
AI-2-1 thru AI-2-24	511	111.50	344.00
AI-2-25 thru AI-2-43	512	88.27	264.00
AI-2-44 thru AI-2-67	513	111.50	272.00
AI-2-68 thru AI-2-73 (T.D.)	514-1	<u>30.69</u>	<u>80.00</u>
		341.94	960.00
		<u>\$1,301.94</u>	
A-13-102 thru A-13-106	512	23.23	80.00
		<u>\$103.23</u>	
A-14-46 thru A-14-59	514-1	71.61	176.00
A-14-9 thru A-14-32	344	144.00	384.00
A-14-33 thru A-14-45	345	<u>84.00</u>	<u>136.00</u>
		299.61	696.00
		<u>\$995.61</u>	
A-12-1 thru A-12-14	514-2	<u>95.00</u>	<u>224.00</u>
		<u>\$319.00</u>	

Invoice No. 5172 on above. Total \$ 2,719.80

Rawhide Project \$1,301.96
 Superior East Project \$1,417.84
 \$2,719.80

W.D. Payne
JWS

Oct. 14, '81

EA-0041
Rawhide AI-2 , 3612 T.D.

April 1, 1980 - Sept 8, 1980 drilling
with 3000' of drillhead & pad built prior
& assaying later.

Total expenditures \$132,076.24 ($\$36.57/\text{ft}$)

with \pm \$23,000 being road-site costs.

As of August 1981, have \$72,923.76 in authorization.

Best intercept: 3030'-3110' = 80' @ 0.66% Cu, 0.005% Mo.
(partially oxidized).

Intercept: 2850'-3160' = 310' @ 0.37% Cu, 0.005% Mo.
(partially oxidized).

(See assay result report to you dated Aug 14, 1981.)

RUN DATE 10/29/85
 SEPTEMBER, 1985

ASARCO INCORPORATED
 COMPTROLLER'S STATEMENT NO. 8

PAGE 16
 GL42

EXPLORATION AND DEVELOPMENT EXPENDITURES

AUTHORIZATION DATE	NO.	EXPLORATION DEPT. PROJECTS	EXPENDED SEPTEMBER	YEAR-TO-DATE	TO-DATE	AUTHORIZED	UNEXPENDED
--------------------	-----	----------------------------	--------------------	--------------	---------	------------	------------

UNITED STATES

TUCSON

06/27/73	005700	PROPERTY PURCHASE & ASSESSMENT WORK				45,000	45,000
03/01/78	005704	OPTION PAYMENTS				11,000	11,000
03/14/79	005705	OPTION PAYMENT, GEOLOGICAL STUDIES				11,000	11,000
03/19/80	005706	GEOLOGICAL AND LEGAL WORK				9,000	9,000
				72,268			72,268CR
				72,268		76,000	3,732

POSTON BUTTE AREA, AZ. (CU)

FROM 04/70	VARIOUS	DRILLING PROPERTY, OPTIONS, TEST WORK				308,000	308,000
02/21/73	000300	PROPERTY ACQUISITIONS, WELL				875,200	875,200
01/10/79	000308	TESTING, DRILLING				115,000	115,000
11/14/79	000309	DRILLING TESTS				50,000	50,000
			70	2,165CR	1,319,215		1,319,215CR
			70	2,165CR	1,319,215	1,348,200	28,985

POSTON BUTTE FARM OPERATIONS
 00 VARIOUS FARM OPERATIONS

			1,861	30,121			30,121CR
			1,861	30,121			30,121CR

RAWHIDE (INSPIRATION J.V.) AZ. (CU)

08/30/72	004100	DRILLING				150,000	150,000
03/20/74	004101	ADD'L EXPENDITIVES				17,500	17,500
06/04/80	004102	NEWROAD & DIAMOND DRILLING				205,000	205,000
				300,838			300,838CR
				300,838		372,500	71,662

SILVER BELL EAST AREA, AZ. (CU)

FROM 07/70	001201	EXPLORATION PERMITS, DRILLING				238,000	238,000
				234,790			234,790CR

SUPERIOR DISTRICT RANCH OPERATIONS

MOORE BUSINESS FORMS, INC. NO. 27

TAB

Quantity

AMERICAN SMELTING AND REFINING COMPANY
Tucson Arizona

June 28, 1973

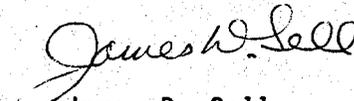
TO: W. L. Kurtz

FROM: J. D. Sell

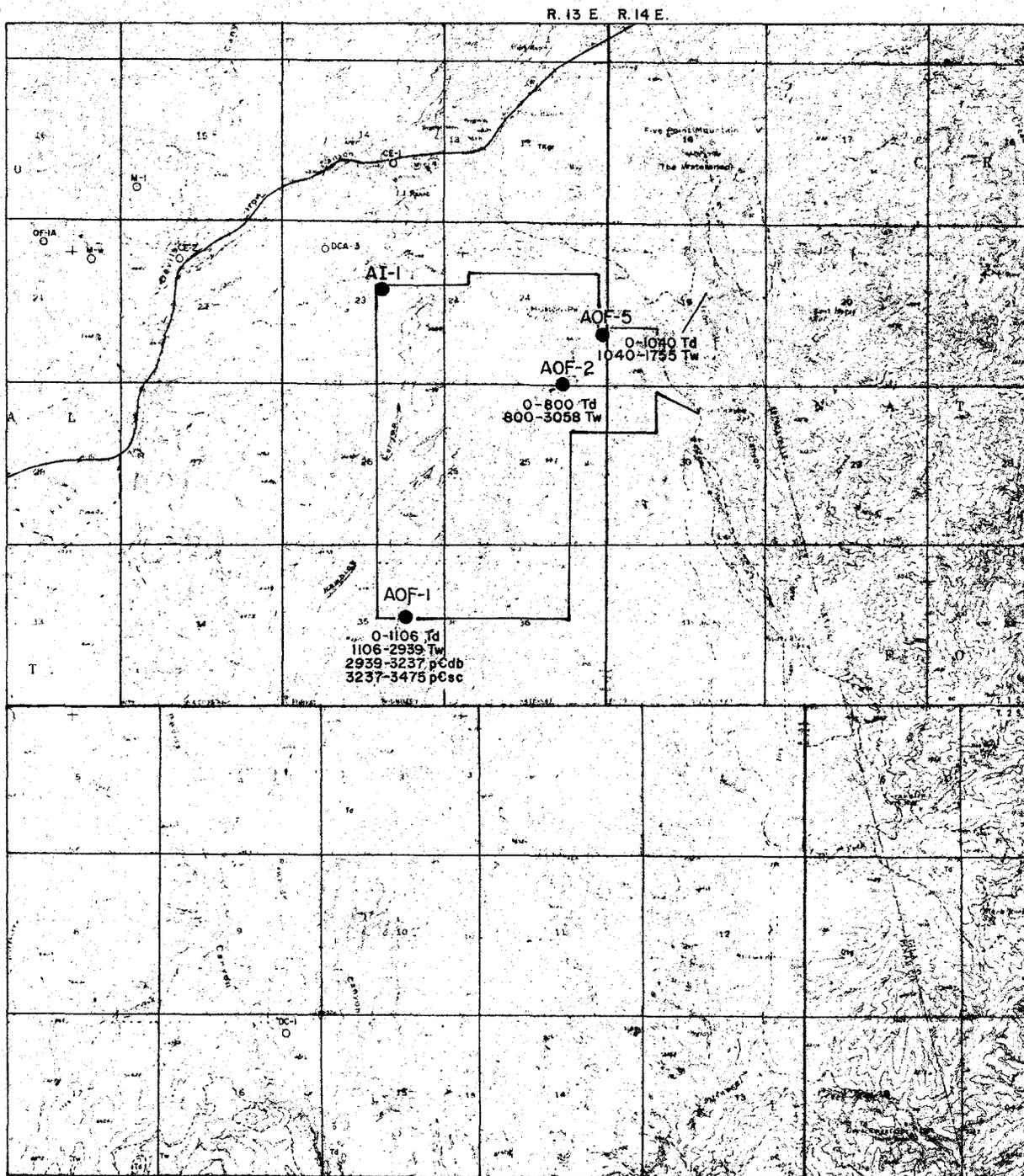
Quarterly Report
April-June 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

Site preparation is complete, ready for a drilling rig in the northwest area of the Rawhide Project claim block. The hole is designated as AI-1. Several events, including the problems with the JI Ranch people, have prompted our change so as to drill the northern area at this time. This change was agreed to by Mr. Olmstead of ICC.

Estimated expenditures on the project are \$26,750.


James D. Sell

JDS:lb
Attach.



T. 1 S.
T. 2 S.

EXPLANATION

- Previous drill hole
 - ASARCO drill hole
 - AOF-1 (hole designation)
 - 3475 pCsc
 - Rock type
 - Bottom hole depth
 - ⊕ AI Proposed drill site
- POST-MINERAL ROCK UNIT
- Td - Dacite
 - Tev - Early volcanics
 - Tw - Whitetail
- PRE-MINERAL ROCK UNIT
- Tqm - Quartz Monzonite
 - Tgr - Granite
 - TPn - Naco limestone
 - Me - Escabrosa limestone
 - Dm - Martin lms
 - pCt - Troy qtz
 - pCdb - Diabase
 - pCsc - Schist



DRILLING PROGRESS MAP
for the quarter of April-May-June 1973

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA
SCALE: 1" = 1 mile
J.D.S.

TO ACCOMPANY *Quarterly Report*
DATED *June 28, 1973*
BY *J.D. Sell*

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

October 1, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
July-Aug.-Sept. 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

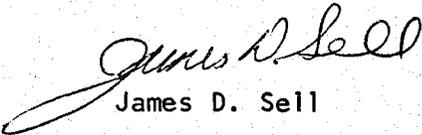
In compliance with the Agreement between ASARCO and Inspiration Copper, I submit this quarterly report on the work within the Inspiration claim block.

During the quarter, the road access, drill site preparation, and water tank development were completed. J.O. Barnes Drilling Company moved their Howard-Turner rig on the site and air drilled, and stabilized with mud, the hole (AI-1) to a depth of 2768 feet. Rock unit contacts are as follows:

Surface-1565	Dacite
1565-2250	Earlier Volcanics
2250-2768	Whitetail Conglomerate

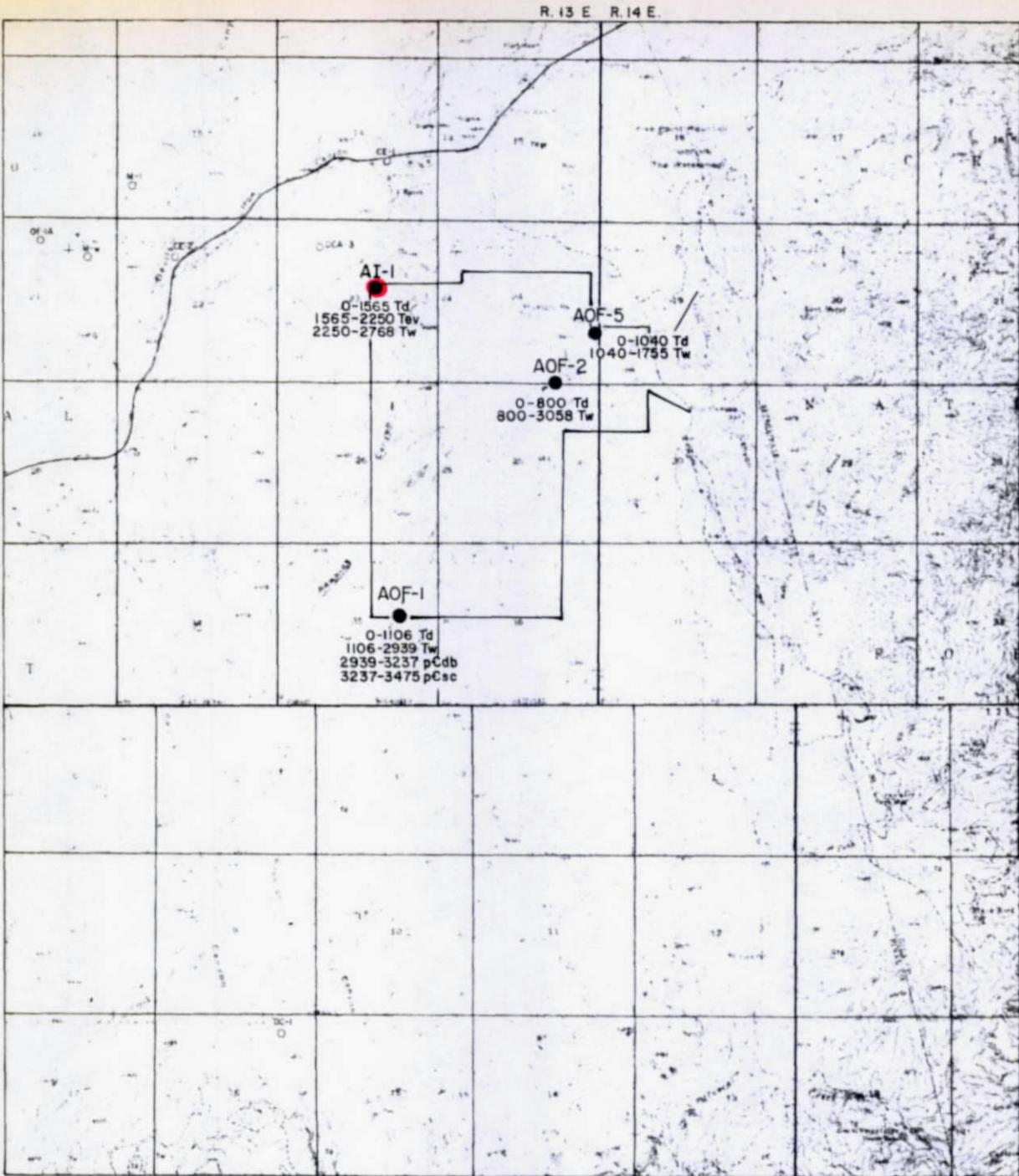
Boyles Brothers Drilling is presently moving a CP-50 core rig onto the site and will be coring during the coming quarter.

Estimated total expenditures on the project to date are \$121,000.


James D. Sell

JDS:lb
Attach.

cc: RBCrist - w/attach.



T. 1 S.
T. 2 S.

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- 3475 pCsc
- Rock type
- Bottom hole depth
- ⊕ AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pEt - Troy qtz
- pCdb - Diabase
- pCsc - Schist

TO ACCOMPANY *Quarterly Report*
 DATED *October 1, 1973*
 BY *J. D. Sell*



DRILLING PROGRESS MAP
 for the quarter of *July, Aug. & Sept 1973*

ASARCO - ICC
Joint Venture
RAWHIDE PROJECT

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile

J.D.S.

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

December 28, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
Oct.-Nov.-Dec. 1973
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

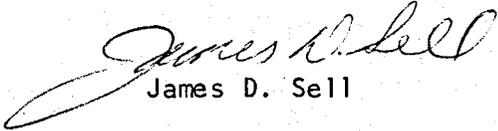
In compliance with the Agreement between ASARCO and Inspiration Copper, I submit this quarterly report on the work within the Inspiration claim block.

During the quarter, Boyles Brothers Drilling Company set up a CP-50 rig on AI-1 site which had previously been rotaried and cased to a depth of 2768 feet. The hole was completed and terminated at a depth of 3967 feet by coring. Rock units encountered were:

0-1565	Dacite
1565-2250	Earlier Volcanics
2250-3046	Whitetail Conglomerate with large blocks
3046-3238	Pinal Schist-Schultze Granite breccia
3238-3967	Pinal Schist

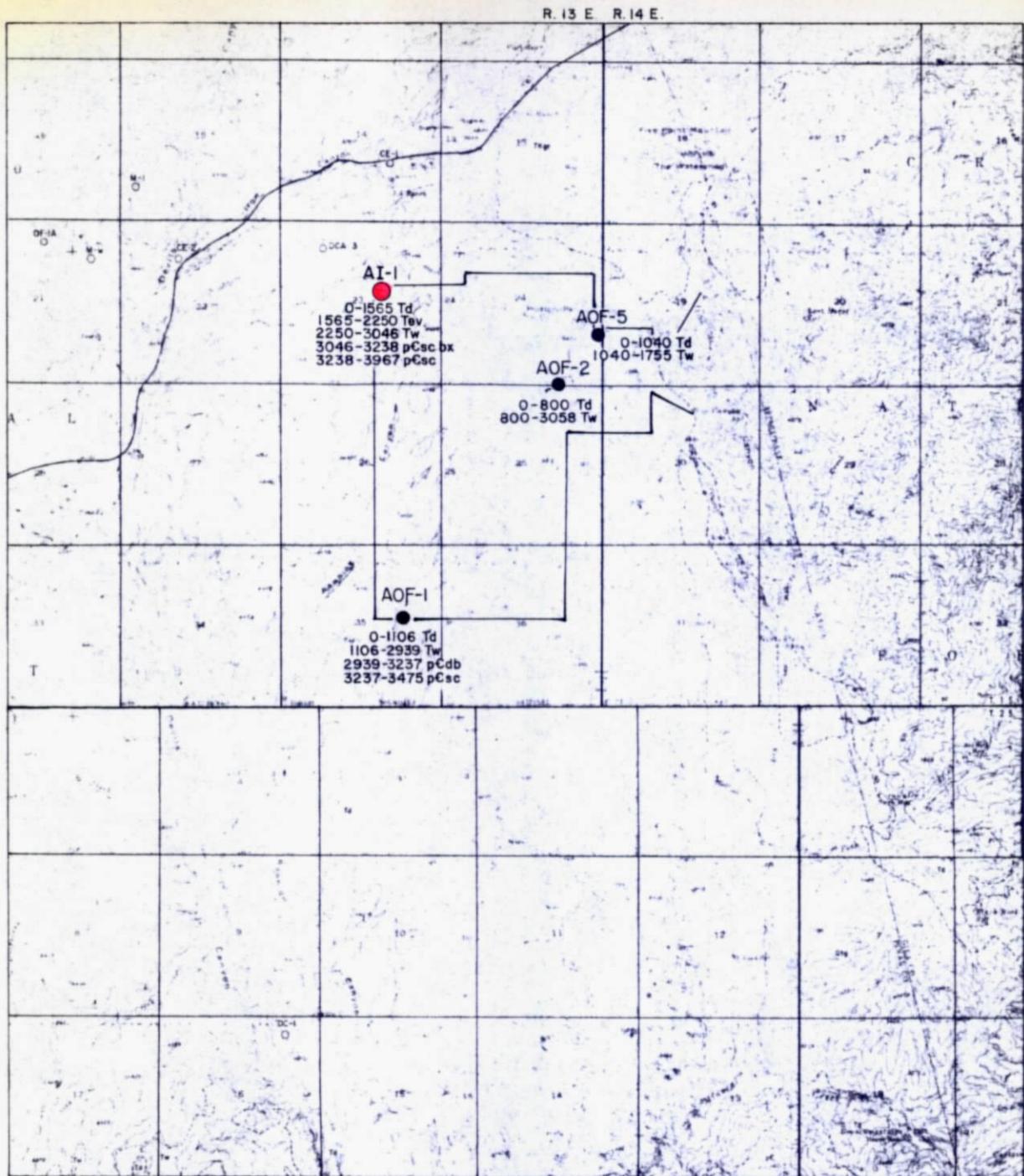
The breccia is totally oxidized and averages 288 ppm copper, 10 ppm Pb, 29 ppm Zn, and 28 ppm Mo in the sampled intervals. The Pinal Schist bedrock is cut by minor quartz veinlets and aplite dikelets and contains a variable amount of sulfides running less than 0.5% total sulfides. The total sulfide intercept averages 1145 ppm Cu, 14 ppm Pb, 55 ppm Zn, and 25 ppm Mo.

Total estimated expenditures on the project to date are \$153,000.


James D. Sell

JDS:lb
Attach.

cc: RBCrist - w/attach.



EXPLANATION

- Previous drill hole
 - ASARCO drill hole
 - AOF-1 (hole designation)
 - 3475 pCsc
 - Rock type
 - Bottom hole depth
 - ⊕ AI Proposed drill site
- POST-MINERAL ROCK UNIT
- Td - Dacite
 - Tev - Early volcanics
 - Tw - Whitetail
- PRE-MINERAL ROCK UNIT
- Tqm - Quartz Monzonite
 - Tgr - Granite
 - TPn - Naco limestone
 - Me - Escabrosa limestone
 - Dm - Martin lms
 - pEt - Troy qtz
 - pCdb - Diabase
 - pCsc - Schist

TO ACCOMPANY *Quarterly Report*
 DATED *Dec. 28, 1973*
 BY *J.D. S.H.*

DRILLING PROGRESS MAP
for the quarter of Oct.-Nov.-Dec., 1973

ASARCO - ICC
 Joint Venture
RAWHIDE PROJECT
 GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile
 J.D.S.

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

April 1, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

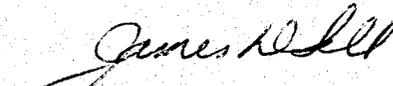
Quarterly Report
Jan.-Feb.-March 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Inspiration Copper, I submit this quarterly report on the work within the Inspiration claim block.

During the quarter no new work was undertaken on the property.

Total expenditures as of March 1, 1974 were \$153,781.33 and a distribution of costs report has been submitted covering the funds.

No map is issued for the project quarter as the information is the same as that of the previous quarter.


James D. Sell

JDS:1b

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

June 25, 1974

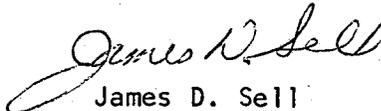
TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
April-May-June 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Inspiration
Copper, I submit this quarterly report on the work within the
Inspiration claim block.

No new work was performed on the block during the quarter and
no map is issued with this report.


James D. Sell

JDS:15

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

September 26, 1974

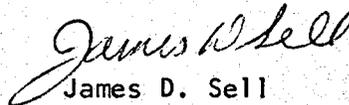
TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
July-Aug.-Sept. 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Inspiration
Copper, I submit this quarterly report.

No new work was performed on the block during the quarter and no
map is issued with this report.


James D. Sell

JDS:lb

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

December 30, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
Oct.-Dec. 1974
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Inspiration
Copper, I submit this quarterly report.

No additional work has been done on the block during this
quarter.


James D. Sell

JDS:1b

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

March 25, 1975

TO: W. L. Kurtz

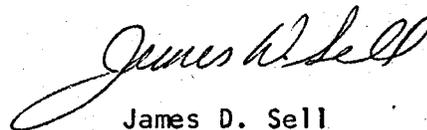
FROM: J. D. Sell

Quarterly Report
Jan.-March 1975
Rawhide Project
Pinal County, Arizona

A portion of the seismic lines now being run by Cooksley Geophysics will cross the Rawhide project area. The north line is drilled out and will be shot and recorded the last week of March. The south line will be initiated after reviewing the results of the first line.

The SLC geophysical group ran test IP measurements over and in drill hole Ai-1. The results were negative from the standpoint of a return of any signal strength necessary to make the IP measurements.

No map is attached to this report.



James D. Sell

JDS:1b

AMERICAN SMELTING AND REFINING COMPANY
TUCSON ARIZONA

June 23, 1975

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
April-June 1975
Rawhide Project
Pinal County, Arizona

The north line seismic data has not been returned from the computer compilation as of this date. The proposed south line will not be initiated until evaluation of the first line is complete.

An agreement on the claim boundary between the Eder Group (ICC) and the adjacent Margaret group is being finalized.

No map is attached to this report.


James D. Sell

JDS:lb

June 28, 1976

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report
April-June 1976
Rawhide Project
Pinal County, Arizona

As reported in the June monthly report, the SLC group has returned the gravity interpretations over the granite-schist contact east of the Dacite Plateau and one line over the dacite covered projection. They report only a 50% chance of being able to interpret the granite-schist contact under the cover rocks.

Several alternate drill sites and access road have been checked out for a drill site to be located south of AI-1. Funds have been requested for the assessment year expenditures.

No map is attached to this report.


James D. Sell

JDS:1b

June 30, 1980

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report
April-May-June, 1980
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

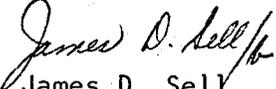
In compliance with the agreement between ASARCO Incorporated and Inspiration Consolidated Copper Corporation, I submit this quarterly report.

During the quarter, an access road was constructed onto the Joint Venture ground and drill site AI-2 constructed. Hole AI-2 has progressed to a depth of 2508 feet.

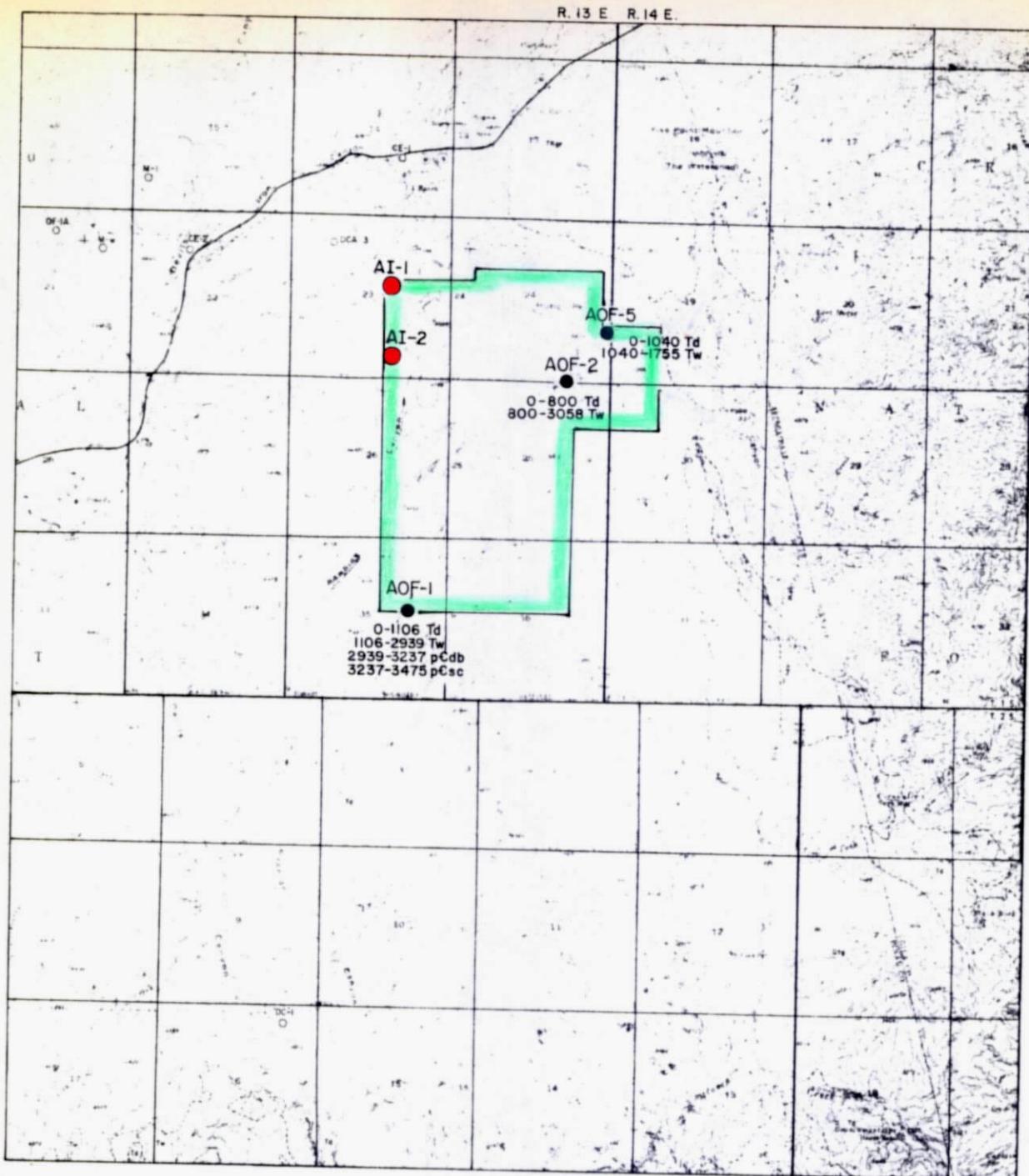
Synopsis of the core follows:

Surface - 1472'	Tertiary Dacite
1472 - 1780'	Tertiary Earlier Volcanics
1780 - 2508'	Tertiary Whitetail Conglomerate

The hole was cored NC to a depth of 1961 feet and reduced to NX size to the present depth.


James D. Sell

JDS:lb
Att.



AI-1
 O-1565 Td
 1565-2250 Tev
 2250-3046 Tw
 3046-3238 pCdb
 3238-3967 pCsc

AI-2
 O-1472 Td
 1742-1780 Tev
 1780-2508 Tw

Tw

AI-1
 AI-2
 AOF-5
 O-1040 Td
 1040-1755 Tw
 AOF-2
 O-800 Td
 800-3058 Tw
 AOF-1
 O-1106 Td
 1106-2939 Tw
 2939-3237 pCdb
 3237-3475 pCsc

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
 3475 pCsc
 ↙ Rock type
 ↘ Bottom hole depth
- AI
 ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist



TO ACCOMPANY *Quarterly*
Drilling Report
 DATED *6/30/80*
 BY *J.D. Sell*

**ASARCO - ICC
 Joint Venture
 RAWHIDE PROJECT**

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile

J.D.S.

September 26, 1980

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
July-Aug.-Sept. 1980
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Inspiration Consolidated Copper Corporation, I submit this quarterly report.

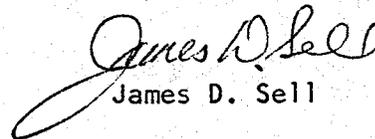
During the quarter, the drill hole AI-2 progressed from 2508 feet to the terminal depth of 3612 feet.

Synopsis of the core continues:

1780'-2622' Tertiary Whitetail Conglomerate
2622'-3612' Precambrian Pinal Schist

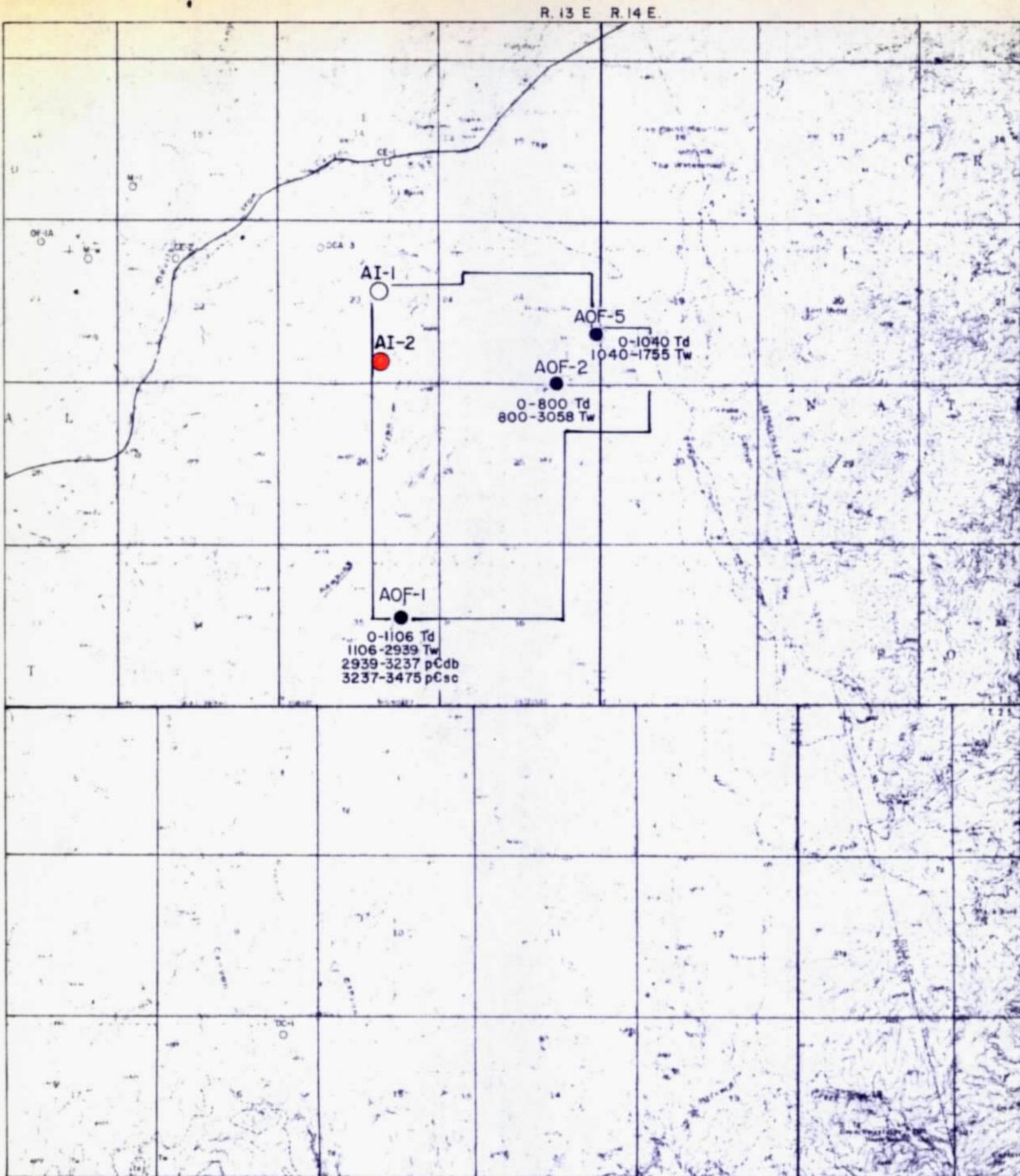
The schist was oxidized to a depth of 2920 feet with minor hematite, pyrite, and occasional chalcopryrite along with variable quartz veins to the total depth. Very low values are expected and as of this date none of the core has been split for assay.

The NX core size continued to a depth of 2838½ feet, with BX core to the bottom of the hole.


James D. Sell

JDS:lb
Att.

cc: GWPickard



AI-1
 0-1565 Td
 1565-2250 Tev
 2250-3046 Tw
 3046-3238 pCsc bx
 3238-3967 pCsc

AI-2
 0-1472 Td
 1742-1780 Tev
 1780-2622 Tw
 2622-3612 pCsc

AOF-1
 0-1106 Td
 1106-2939 Tw
 2939-3237 pCdb
 3237-3475 pCsc

AOF-2
 0-800 Td
 800-3058 Tw

AOF-5
 0-1040 Td
 1040-1755 Tw

T. 1 S.
 T. 2 S.

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-1 (hole designation)
- 3475 pCsc
- Rock type
- Bottom hole depth
- AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist

TO ACCOMPANY *Quarterly*
Shifting Report
 DATED *9/30/80*
 BY *J.D. Lee*



ASARCO - ICC
Joint Venture
RAWHIDE PROJECT
 GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile
 J.D.S.

ASARCO

Southwestern Exploration Division

December 23, 1980

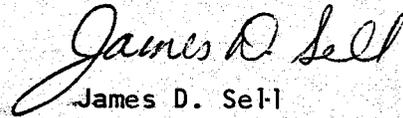
TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
Oct.-Nov.-Dec. 1980
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Inspiration Consolidated Copper Corporation, I submit this quarterly report.

No work was done during the quarter, although some core is scheduled to be split and assayed. As reported last quarter, very low values are estimated to have been cut in the hole AI-2, which terminated at 3612 feet.


James D. Sell

JDS:1b

cc: GWPickard

March 23, 1981

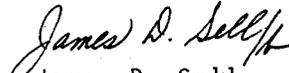
TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report
Jan.-Feb.-March 1981
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Inspiration Consolidated Copper Corporation, I submit this quarterly report.

No work was done during the quarter.


James D. Sell

JDS:1b

ASARCO

Southwestern Exploration Division

June 30, 1981

TO: W. D. Payne

FROM: J. D. Sell

Quarterly Report
April-May-June, 1981
Rawhide Project
ASARCO/ICC Joint Venture
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Inspiration Consolidated Copper Corporation, I submit this quarterly report.

Work during the quarter consisted of splitting the core from hole AI-2 which had been drilled in late 1980. Assay results with footage notations are attached.

James D. Sell

JDS:rg

ATTS: MSR & D Certificate 511 (AI-2-1 thru AI-2-24)
MSR & D Certificate 512 (AI-2-25 thru AI-2-43)
MSR & D Certificate 513 (AI-2-44 thru AI-2-67)
MSR & D Certificate 514 (AI-2-68 thru AI-2-73)
Drilling Map

mountain states research & development
 CERTIFICATE OF ASSAY



Rec
6/24/81

Certificate No. 511
 Project No. B-31

Date 6/18/81

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
15793	AI-2-1	2614	2621	0.002	N.D.	0.036	0.003
15794	AI-2-2	2621	2631	N.D.	N.D.	0.022	0.004
15795	AI-2-3	2631	2641	0.001	N.D.	0.013	0.003
15796	AI-2-4	2641	2651	---	---	0.018	0.004
15797	AI-2-5	2651	2661	---	---	0.016	0.004
15798	AI-2-6	2661	2671	---	---	0.006	0.004
15799	AI-2-7	2671	2681	---	---	0.009	0.004
15800	AI-2-8	2681	2691	---	---	0.011	0.004
15801	AI-2-9	2691	2701	0.001	N.D.	0.012	0.005
15802	AI-2-10	2701	2709 1/2	N.D.	0.02	0.008	0.005
15803	AI-2-11	2709 1/2	2720	0.001	0.04	0.006	0.005
15804	AI-2-12	2720	2730	0.001	N.D.	0.014	0.006
15805	AI-2-13	2730	2740	0.001	0.02	0.008	0.004
15806	AI-2-14	2740	2748 1/2	0.001	N.D.	0.009	0.007
15807	AI-2-15	2748 1/2	2758	0.001	0.02	0.013	0.005
15808	AI-2-16	2758	2768	0.001	0.03	0.022	0.005
15809	AI-2-17	2768	2775	0.001	N.D.	0.024	0.004
15810	AI-2-18	2775 2776	2787	0.001	0.08	0.036	0.004
15811	AI-2-19	2787	2797	0.001	0.03	0.028	0.005
15812	AI-2-20	2797	2805	0.001	0.04	0.022	0.006
15813	AI-2-21	2805	2815	0.001	0.04	0.077	0.018
15814	AI-2-22	2815	2824	0.001	0.04	0.070	0.011
15815	AI-2-23	2825	2831 1/2	0.001	0.06	0.38	0.030
15816	AI-2-24	2831 1/2	2840	0.001	N.D.	0.026	0.005

OXIDIZED
 SULFIDE
 SULFIDE
 OXIDIZED

Total Charge \$ 455.50
 # 111.50 SAMPLE PREP
 344.00 ASSAYS

F. M. Thidall
 Chief Chemist

mountain states research & development

CERTIFICATE OF ASSAY

Certificate No. 512

Project No. B-31

Date 6/19/81

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
15817	AI-2-25	2840	2850	0.001	0.05	0.038	0.004
15818	AI-2-26	2850	2860	0.001	0.03	0.115	0.005
15819	AI-2-27	2860	2871	0.001	0.09	0.78	0.003
15820	AI-2-28	2871	2881	N.D.	N.D.	0.155	0.003
15821	AI-2-29	2881	2891	N.D.	N.D.	0.144	0.003
15822	AI-2-30	2891	2901	N.D.	N.D.	0.112	0.003
15823	AI-2-31	2901	2910	N.D.	N.D.	0.078	0.002
15824	AI-2-32	2910	2920	0.001	0.02	0.154	0.003
15825	AI-2-33	2920	2930	0.001	0.03	0.34	0.006
15826	AI-2-34	2930	2940	0.001	0.04	0.37	0.006
15827	AI-2-35	2940	2950	0.001	N.D.	0.28	0.002
15828	AI-2-36	2950	2960	0.001	N.D.	0.47	0.003
15829	AI-2-37	2960	2970	0.002	N.D.	0.32	0.009
15830	AI-2-38	2970	2980	0.001	N.D.	0.20	0.004

OXIDIZED
 PARTIALLY OXIDIZED
 SULFIDE

15836	AI-2-39	2980	2990	---	---	0.41	0.008
15837	AI-2-40	2990	3000	---	---	0.29	0.001
15838	AI-2-41	3000	3010	---	---	0.27	0.006
15839	AI-2-42	3010	3020	---	---	0.128	0.024
15840	AI-2-43	3020	3030	---	---	0.243	0.004

Total Charge \$ 455.50

111.50 SAMPLE PREP
344.00 ASSAYS

FRANK M. [Signature]

Chief Chemist

mountain states research & development

CERTIFICATE OF ASSAY

Certificate No. 513

Project No. B-31

Date 6/18/81

PARTIALLY GRADUATED
SOLIFIDE

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
15841	AI-2-44	3030	3040	0.001	N.D.	0.81	0.002
15842	AI-2-45	3040	3050	0.001	N.D.	0.52	0.001
15843	AI-2-46	3050	3060	0.001	N.D.	0.45	0.003
15844	AI-2-47	3060	3070	0.001	N.D.	0.42	0.021
15845	AI-2-48	3070	3080	0.001	0.02	0.45	0.002
15846	AI-2-49	3080	3090	0.001	N.D.	0.72	0.005
15847	AI-2-50	3090	3100	0.001	0.02	0.37	0.001
15848	AI-2-51	3100	3110	---	---	1.54	0.003
15849	AI-2-52	3110	3120	---	---	0.143	0.004
15850	AI-2-53	3120	3130	---	---	0.34	0.007
15851	AI-2-54	3130	3140	---	---	0.184	0.003
15852	AI-2-55	3140	3150	---	---	0.46	0.003
15853	AI-2-56	3150	3160	---	---	0.227	0.001
15854	AI-2-57	3160	3170	---	---	0.154	0.001
15855	AI-2-58	3170	3180	---	---	0.137	0.003
15856	AI-2-59	3180	3190	---	---	0.115	0.002
15857	AI-2-60	3190	3200	---	---	0.053	0.002
15859	AI-2-61	Low grade interval from 3200 to 3290 was not split		0.001	N.D.	0.039	0.004
15860	AI-2-62	3290	3300	0.001	N.D.	0.055	0.002
15861	AI-2-63	3300	3310	0.001	0.03	0.107	0.022
15862	AI-2-64	Low grade interval from 3320 to 3394 1/2 was not split.		---	---	0.069	0.002
15863	AI-2-65	3394 1/2	3404	---	---	0.251	0.006
15864	AI-2-66	3404	3407	---	---	0.042	0.004
15865	AI-2-67	Low grade interval from 3415 1/2 to 3497 1/2 was not split		---	---	0.027	0.002
		3497 1/2	3502	---	---		



Total Charge \$ 111.50 SAMPLE PREP.
272.00 ASSAYS
383.50

Chief Chemist

mountain states research & development
CERTIFICATE OF ASSAY

Certificate No. 514

Project No. B-31

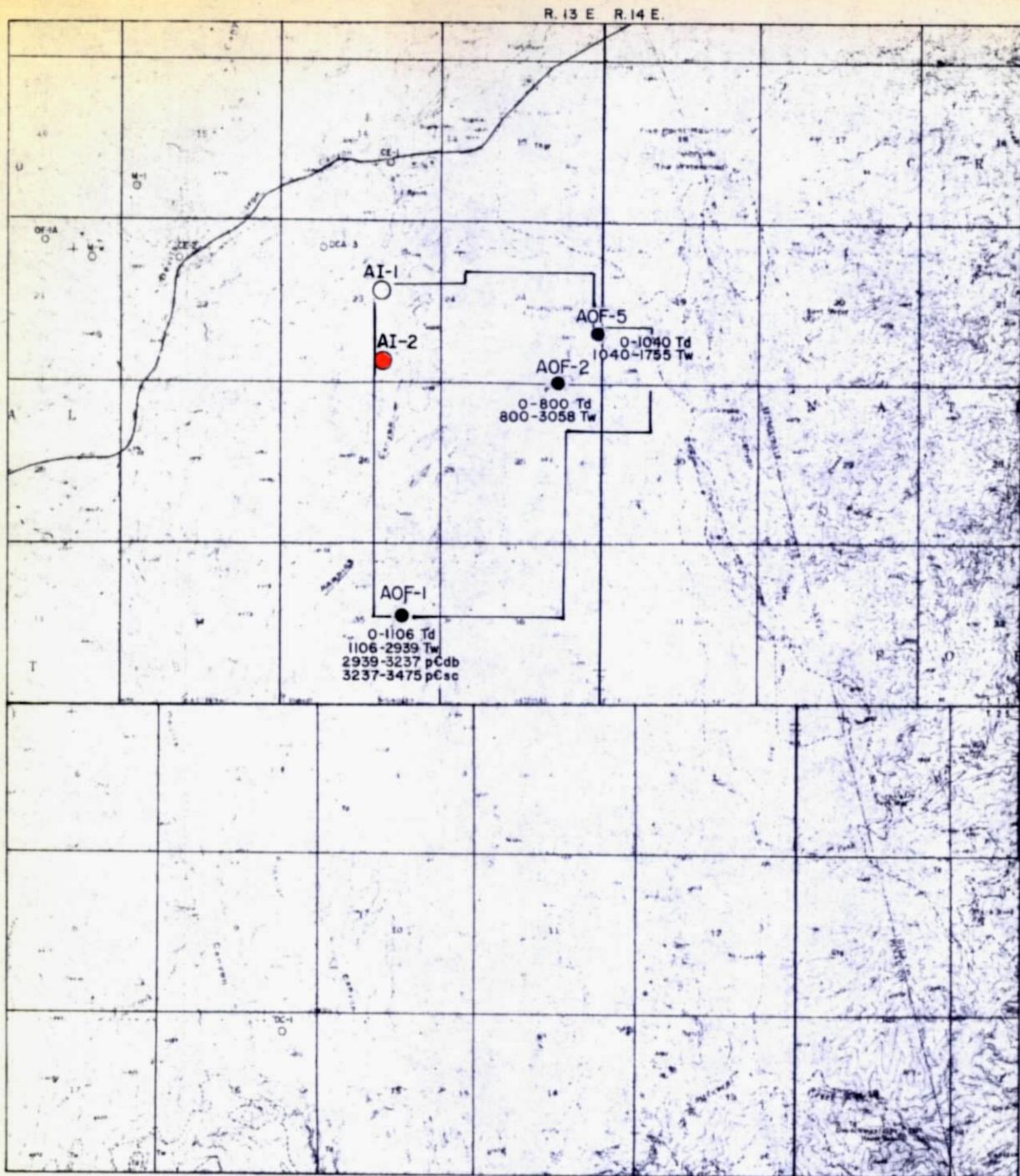
Date 6/19/81

PARTIALLY OXIDIZED

Date	Sample No.	Footage		Au		Ag		Cu		Mo
		From	To	Oz/T		Oz/T		%		%
15866	AI-2-68	3502	3511	---		---		0.055		0.001
15867	AI-2-69	3511	3521	---		---		0.061		0.001
15868	AI-2-70	<i>Low grade interval from 3521 to 3585 was not split</i>		0.001		N.D.		0.146		0.003
15869	AI-2-71	3593 1/2	3604	0.001		0.03		0.126		0.001
15870	AI-2-72	3604	3607 1/2	0.001		N.D.		0.253		0.001
15871	AI-2-73	3607 1/2	3612	0.001		N.D.		0.39		0.001
	<i>Total Depth</i>									

Total Charge \$ 256.00 ASSAYS
388.30

T. G. ...
 Chief Chemist



AI-1
 0-1565 Td
 1565-2250 Tev
 2250-3046 Tw
 3046-3238 pCsc bx.
 3238-3967 pCsc

AI-2
 0-1472 Td
 1742-1780 Tev
 1780-2622 Tw
 2622-3612 pCsc

AI-1
AI-2

AOF-1
 0-1106 Td
 1106-2939 Tw
 2939-3237 pCdb
 3237-3475 pCsc

AOF-2
 0-800 Td
 800-3058 Tw

AOF-5
 0-1040 Td
 1040-1755 Tw

T. 1 S.
 T. 2 S.

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- AOF-I (hole designation)
- 3475 pCsc
- Rock type
- Bottom hole depth
- AI
- ⊕ Proposed drill site

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- Tqm - Quartz Monzonite
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pEt - Troy qtz
- pCdb - Diabase
- pCsc - Schist



TO ACCOMPANY Quantity
Drilling Report
 DATED 6/30/81
 BY J. D. Hill

**ASARCO - ICC
 Joint Venture
 RAWHIDE PROJECT**

GILA & PINAL COUNTY, ARIZONA
 SCALE: 1" = 1 mile
 J.D.S.

ASARCO

Exploration Department
Southwestern United States Division
James D. Sell
Manager

September 28, 1983

Mr. Hugh Olmstead
Chief Exploration Geologist
Inspiration Development Company
P. O. Box 1320
Claypool, AZ 85532

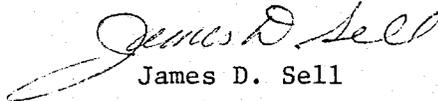
3rd Quarter Report
July - September 1983
Rawhide Project
Pinal & Gila Counties, AZ

Dear Hugh:

During the quarter no further physical work was done on the Rawhide Claim block.

The assessment requirements for the year ending September 1, 1983 were completed by work off your claim block, but for the benefit of the Rawhide group; you were earlier sent an affidavit of this work. No charges against the ICC Rawhide Project were made during this period.

Sincerely,


James D. Sell

JDS/cg

cc: JRStringham

ASARCO

JDS cg

Exploration Department
Southwestern United States Division
James D. Sell
Manager

December 22, 1983

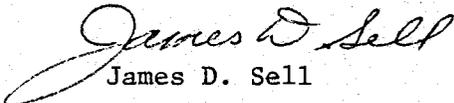
Mr. Hugh Olmstead
Chief Exploration Geologist
Inspiration Development Company
P. O. Box 1320
Claypool, AZ 85532

4th Quarter Report
October-December 1983
Rawhide Project
Pinal & Gila Counties, AZ

Dear Hugh:

During this quarter no activity was conducted on the Rawhide claims.

Sincerely,


James D. Sell

JDS/cg

cc: JRStringham

ASARCO

JDS

Exploration Department
Southwestern United States Division
James D. Sell
Manager

March 14, 1984

Mr. Hugh Olmstead
Chief Exploration Geologist
Inspiration Development Company
P. O. Box 1320
Claypool, AZ 85532

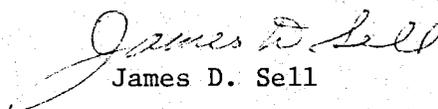
1st Quarter Report
January-March 1984
Rawhide Project
Pinal & Gila Counties, AZ

Dear Hugh:

A contract has been issued to Joy Drilling Company to make expenditures for the assessment year ending August 31, 1984 on adjacent ground for the benefit of the total claim block, as reported in the letter by J. R. Stringham (2/9/84).

It is expected that Joy will occupy the drill site during the final week of the quarter.

Sincerely,


James D. Sell

JDS/cg

cc: JRStringham

ASARCO

Exploration Department
Southwestern United States Division

July 5, 1984

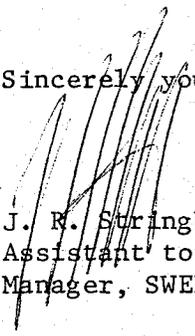
Mr. Hugh Olmstead
Chief Exploration Geologist
Inspiration Development Co.
P.O. Box 1320
Claypool, AZ 85532

2nd Quarter Report
April-June 1984
Rawhide Project
Pinal & Gila Counties, AZ

Dear Mr. Olmstead:

Attached is a report from James D. Sell on the activities for the second quarter of 1984 on the Rawhide Project.

Sincerely yours,


J. R. Stringham
Assistant to the
Manager, SWED

JRS:mek
Att.

cc: J. D. Sell

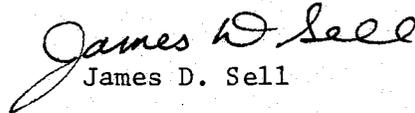
July 3, 1984

FILE MEMORANDUM

2nd Quarter Report
Inspiration Development Company
April-June 1984
Rawhide Project
Pinal and Gila Counties, AZ

In compliance with the agreement between Inspiration Consolidated Copper Company and ASARCO Incorporated, I submit this quarterly report.

Joy Manufacturing Company reentered a drill hole on a claim adjacent to the Rawhide block on March 27, 1984, and is presently drilling. This drilling is for the assessment year ending August 31, 1984, and is for the benefit of the total claim block.


James D. Sell

JDS:mek

cc: J. R. Stringham
H. Olmstead - IDC

ASARCO

JDS

Exploration Department
Southwestern United States Division

October 11, 1984

Mr. Hugh Olmstead
Chief Exploration Geologist
Inspiration Development Company
P.O. Box 1320
Claypool, AZ 85532

Third Quarter Report 1984

Dear Mr. Olmstead:

Work has been completed for the September 1, 1983 - September 1, 1984 assessment year for the benefit of the ICC Inspiration Claims covering the "Conto, Crook, and OS claim(s)" groups under our agreement.

The ICC Rawhide Project agreement has not been charged for this work as the monies were expended on adjacent claims, but for the benefit of the Inspiration claims, thus keeping the Inspiration claims in good standing.

Sincerely yours,


J. R. Stringham
Assistant to the
Manager, SWED

JRS:mek

Att: Affs of Labor, Pinal/Gila Cos.

cc: J. D. Sell

December 19, 1984

FILE MEMORANDUM

4th Quarter Report
Inspiration Development Company
October-December 1984
Rawhide Project
Pinal and Gila Counties, AZ

In compliance with the agreement between Inspiration Consolidated Copper Company and ASARCO Incorporated, I submit this quarterly report.

No activity occurred on the property during the quarter. The assessment work was filed to hold the claims for the 1984-85 year.

JDS:mek


James D. Sell

cc: J. R. Stringham
H. Olmstead - IDC

ASARCO

Exploration Department
Southwestern United States Division

January 8, 1985

Mr. Hugh Olmstead
Chief Exploration Geologist
Inspiration Development Company
P.O. Box 1320
Claypool, AZ 85532

4th Quarter Report
October-December 1984
Rawhide Project
Pinal & Gila Counties, AZ

Dear Mr. Olmstead:

Attached is a copy of the 4th Quarter Report prepared in compliance with the Agreement between Inspiration Consolidated Copper Company and ASARCO Incorporated.

Sincerely yours,


J. R. Stringham
Assistant to the
Manager, SWED

JRS:mek
Att.

cc: J. D. Sell

ASARCO

Southwestern Exploration Division

December 19, 1984

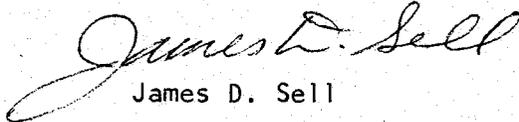
FILE MEMORANDUM

4th Quarter Report
Inspiration Development Company
October-December 1984
Rawhide Project
Pinal and Gila Counties, AZ

In compliance with the agreement between Inspiration Consolidated Copper Company and ASARCO Incorporated, I submit this quarterly report.

No activity occurred on the property during the quarter. The assessment work was filed to hold the claims for the 1984-85 year.

JDS:mek


James D. Sell

cc: J. R. Stringham
H. Olmstead - IDC

April 19, 1985

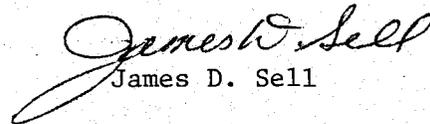
FILE MEMORANDUM

Quarterly Report
January-March 1985
Rawhide Project, EA-0041
Pinal & Gila Counties, AZ

No activity on the property was conducted during the quarter.

Near the end of the quarter a notice of termination of the agreement had been prepared for submittal to Inspiration Development Company. As of the end of the quarter, a copy of the signed and executed agreement had not been returned to the Tucson office.

JDS:mek


James D. Sell

cc: F. T. Graybeal