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James Doyle Sell Mining Collection

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M-1

1441 W. Mirel Mile.

3/2/71 Verbal at John Roscoe. (Tuesday)

Left one copy of drill hole.

Core & chips at office.

Will call on Wed or Thur so I can look at core & chips.

John Roscoe

office: ~~ph. 625-0263~~ in Oracle

home ph 326-8565  
(4202 E. Poe)

~~had - did you feel respect this~~  
Crist  
- 4 -

→ Jim Sell - please note; will you provide this please.  
Let's review it before sending it off

*WJK*  
*Superior East*

5. Transfer of Work and Operation, Records, Reports, Inspection, etc.

Asarco shall do all its exploration development and mining of the Property in a minerlike manner and shall conform to the Federal and State applicable mining laws and regulations.

During the term hereof Asarco shall pay all property taxes assessed against the Property and against any personal property thereon, and the obligation for payment of such taxes shall be prorated between Copper and Asarco if they cover a period before the date hereof, or a period after the termination of this agreement.

Asarco shall keep the Property free of liens for work performed upon the Property for it or materials furnished to it for use on the Property.

Asarco shall keep proper records showing details of all expenditures in respect of work on the Property, which shall include all expenses attributable to examination, exploration, development and equipment of the Property including mobilization, demobilization and travel costs for equipment and personnel and prorated salaries of geologists and engineers for time devoted to the work on the Property, but shall not include any charges for office overhead or general administration. Designated representatives of Copper may inspect such records at all reasonable times.

Asarco will report to Copper quarterly, the results of its examination and exploration work, including logs of drill holes, and the monies expended, and if the Property is developed and equipped for operation, the progress and results of such development, equipment and

W. L. O.  
SEP 7 1971

1<sup>st</sup> one due Oct. 1<sup>st</sup>

operation, and the monies spent and received.

Accredited representatives of Copper shall, for the purpose of inspection, have free access to the Property and the workings thereon, to the financial, mining and metallurgical records of the Property, drill core and all maps pertaining thereto, but such inspection shall not interfere with Asarco's operations and all such entries on the Property shall be at the sole risk of Copper and such representatives, and Copper shall indemnify Asarco against any claim, liability, damage or expense, including attorneys' fees, by reason of injury (including death) of Copper's said representatives or Copper's guests on the Property or the approaches thereto.

6. Conveyance of Property.

At any time after the beginning of the exploration period, upon Asarco's written request to Copper, the latter shall execute and deliver to Asarco, in form approved by Asarco and suitable for recording, a proper instrument of conveyance, conveying the Property to Asarco, and shall deliver such evidences of title and certificates of work as it may have and which Asarco may request.

If this agreement should be terminated after such conveyance of the Property to Asarco, it shall upon such termination reconvey to Copper all its interest in the Property.

7. Use of Adjacent Properties.

Asarco shall have the right to remove ores, waste, water and other materials from the demised premises and to carry on general mining operations pertaining to the demised premises by means of shafts and



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

R. B. CRIST  
PROPERTY MANAGER

October 14, 1971

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 190  
Grand Junction, Colorado 81501

SUPERIOR EAST PROJECT

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of the Agreement between Continental Copper and ASARCO dated March 25, 1971, we submit the enclosed Progress Report.

Attachments to the Report contain a progress map and drill logs.

Please consider all the information to be confidential.

Very truly yours,

R.B. Crist

RBC:kre

Encl: As Noted

cc: John Roscoe - Continental Copper - Tucson w/encl.  
J.J. Collins - ASARCO - New York w/encl.  
H.E. Kelshaw - ASARCO - New York w/o encl.  
W.L. Kurtz - ASARCO - Tucson w/encl.  
J.D. Sell - ASARCO - Tucson w/encl.

AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

October 11, 1971

TO: W. L. Kurtz

FROM: J. D. Sell

1ST QUARTERLY REPORT  
ENDING OCTOBER 1, 1971  
CONTINENTAL COPPER COMPANY  
SUPERIOR EAST PROJECT  
PINAL COUNTY, ARIZONA

In compliance with the agreement between ASARCO and Continental Copper, I submit this quarterly report on the examination and exploration work covering the Continental Margaret Claims. Drill holes involved include DCA-1, 2, and 3, which were originally drilled by Miami-Superior Oil; OF-1A, drilled by Kerr-McGee; M-1A, which was originally drilled by Continental and subsequently deepened by ASARCO; and A-1, a hole drilled by ASARCO. All dollar figures are unaudited and generally do not include expenses outside of direct drilling or contract costs.

Attachment A is a project progress map showing the approximate location of the area involved.

Drilling:

DCA-1. This drill hole has been entered and cleaned using a churn drill to its reported depth of 4011 feet. Four-inch casing, with stabilizers, has been set to this depth and the hole is now waiting for a core drill. It is expected to be the next hole cored and should commence sometime in October. Cleaning and casing costs are not yet available for the hole, but they are expected to exceed \$6000.00.

M-1A. This hole was originally drilled to 2402 feet by Continental and cased with 3-1/2" casing. The casing was pulled and 2400 feet of 4" casing set for NC diamond coring using a Boyles Brothers CP-50 machine. The hole was terminated at 5322 feet in limestone beds of the Naco formation. Attachment B is a geologic and assay log of the hole.

ASARCO costs on the hole are tabulated as:

a) Direct Drilling	\$85,779.70
b) Site Preparation	648.41
c) Sampling	2,878.00
d) Supervision	<u>6,590.11</u>
Total	\$95,896.22

A-1. This hole was drilled from the surface by ASARCO using Boyles Brothers. The top 1317 feet were drilled using a Failings 2500, while the remainder of

October 11, 1971

the hole was cored with the CP-50. The hole was terminated at 2129 feet in weakly altered and pyritic mineralized Pinal Schist. Attachment C is a geologic and assay log of the hole.

ASARCO costs on the hole are tabulated as:

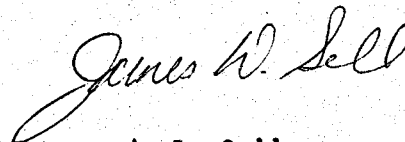
a) Direct Drilling	\$46,858.51
b) Site Preparation	2,175.92
c) Sampling	1,666.11
d) Supervision	<u>4,153.94</u>
Total	\$54,854.48

Of the total cost, the rotary drilling was \$32,691.64 and the coring was \$22,162.84.

Project Work:

Several specific jobs have been undertaken over the entire project area but costs have not yet been assigned to specific Margaret areas. These include: color aerial photography, dual-level aeromagnetic flights, geologic studies, logging of drill holes DCA-2, DCA-3, and OF-1A by Schlumberger Logging Service, reflection seismic work, down-the-hole logging by Sperry-Sun and Arizona Underground Survey, and claim conflict work.

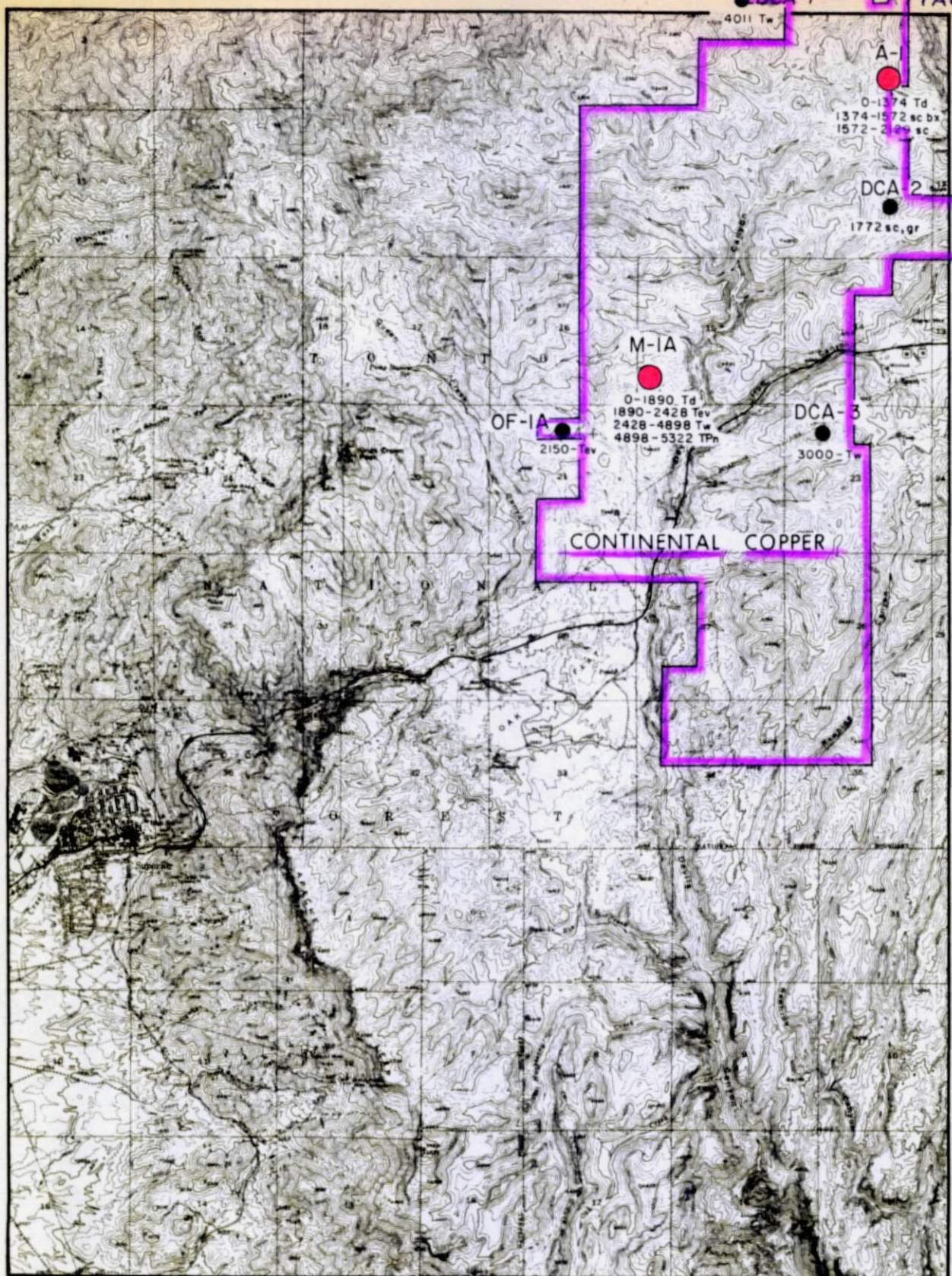
Future anticipated work on Margaret claims include coring of DCA-1 below the 4011 foot depth and drilling a hole in the vicinity of DCA-3. Our attempt to re-enter DCA-3 was unsuccessful.



J. D. Sell

JDS:sg  
attach.





EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

- Td - Dacite
- Tev - Earl volcanics
- Tw - Whitetail

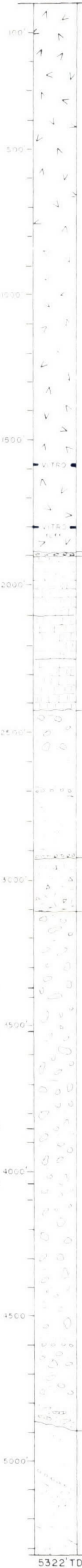
PRE-MINERAL ROCK UNIT

- gr - Granite
- db - Diabase
- sc - Schist
- TPn - Naco limestone

DRILLING PROGRESS MAP  
 for the quarter of *July-Sept. 1971*  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

M-1A

Collar Elev 4550'



Continental Rotary Hole M-1  
Surface - 2402' with core from 2252'-2261' (Sept-Oct 1970)  
ASARCO Core Hole M-1A  
2402'-5322' (April II - July 3, 1971)

NOTE: Assays recorded are Copper. Values sampled on 10' intervals

**% Cu**

0.405
0.348
0.152
0.130
0.111
0.082
0.094
0.110
0.091
0.075
0.137
0.220
0.220
0.140
0.122
0.16
0.14
0.09
0.08
0.13
0.11
0.13
0.10
0.07
0.09
0.09
0.10
0.08
0.08
0.11
0.09
0.08
0.06
0.06

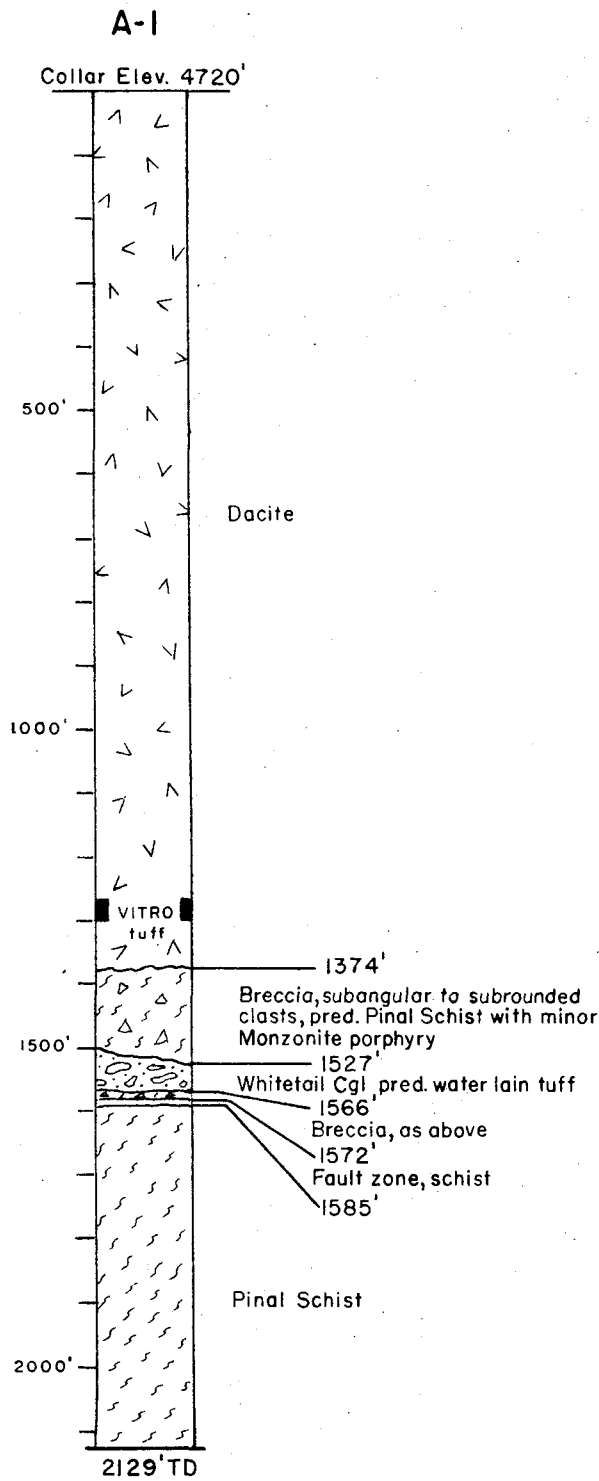
Visual estimate of native copper in this 1790 foot section of Whitetail, from 3108 to 4898 feet, and based on available assays suggest the entire section will average 0.10 + % copper

T 1 S, R 13 E.  
NW 1/4 SW 1/4 SW 1/4 of Sec. 15

GRAPHIC LOG & ASSAY RESULTS  
of  
DRILL HOLE M-1A

SUPERIOR EAST PROJECT  
GILA & PINAL COUNTIES, ARIZONA

SCALE: 1" = 300'  
J.D.S. July 8, 1971



Footage	% Copper Assay
1380 - 1390	= 0.18 (0.053 % Mo)
1390 - 1400	= 0.19 (0.034 % Mo)
1420 - 1430	= 0.12
1480 - 1490	= 0.03
1510 - 1520	= 0.15
1540 - 1550	= 0.02
1620 - 1630	= 0.02 (oxide)
1660 - 1670	= Trace (oxide)
1750 - 1760	= 0.01 (sulfide)
1820 - 1830	= 0.01 (sulfide)
1880 - 1890	= 0.01
1920 - 1930	= 0.02
1930 - 1940	= 0.02
1940 - 1950	= 0.06
1950 - 1960	= 0.04
1960 - 1970	= 0.02
2030 - 2040	= 0.02
2100 - 2110	= 0.03
2120 - 2129	= 0.03

Composite of above samples  
Assayed 0.19 oz Ag; tr. Au.

**NOTE** Rotary: Surface - 1309' (April 9-27, 1971)  
Core: 1309'-2129' (July 15-August 12, 1971)

T 1 S, R 13 E.  
NE 1/4 SW 1/4 SE 1/4 of Sec. 2

GRAPHIC LOG & ASSAY RESULTS  
of  
DRILL HOLE A-1  
SUPERIOR EAST PROJECT

GILA & PINAL COUNTIES, ARIZONA

SCALE: 1" = 300'  
J.D.S. Oct. 5, 1971



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

R. B. CRIST  
PROPERTY MANAGER

January 5, 1972

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 190  
Grand Junction, Colorado 81501

SUPERIOR EAST PROJECT

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of the Agreement between Continental Copper and ASARCO dated March 25, 1971, we submit the enclosed Quarterly Report.

The attached claim outline indicates the boundaries as delimited by the Magma's Sun claims in Section 27 and Inspiration's claims in the NE corner.


The Affidavits of Labor include all of Continental's original group of claims plus two additional claims staked to protect partial claims where it was felt that the original location notices were placed on valid claims held by Inspiration.

Very truly yours,

*R.B. Crist*  
R.B. Crist

RBC:krc

Encl: As Noted

cc: John Roscoe - Continental Copper - Tucson w/encl.  
J.J. Collins - ASARCO - New York w/encl.  
H.E. Kelshaw - ASARCO - New York w/o encl.  
W.L. Kurtz - ASARCO - Tucson w/encl.  
J.D. Sell - ASARCO - Tucson w/encl. 

AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

January 5, 1971

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
Ending January 1, 1972  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO and Continental Copper, I submit this quarterly report on the examination and exploration work covering the Continental Margaret claims.

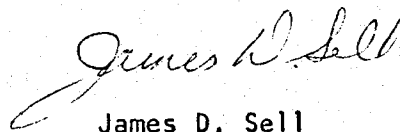
Only one drill hole is in progress during this quarter. Drill hole DCA-1A, which had been reentered, cleaned, and cased to 4011 feet, is being cored using the Boyles Brothers' CP-50 rig. The hole at the end of December was at 5222 feet and is presently being drilled to a further depth. An abbreviated log follows:

4011-4669	Tw (Whitetail conglomerate)
4669-4998	Pn (Naco limestone)
4998-(5222)	Me (Escabrosa limestone)

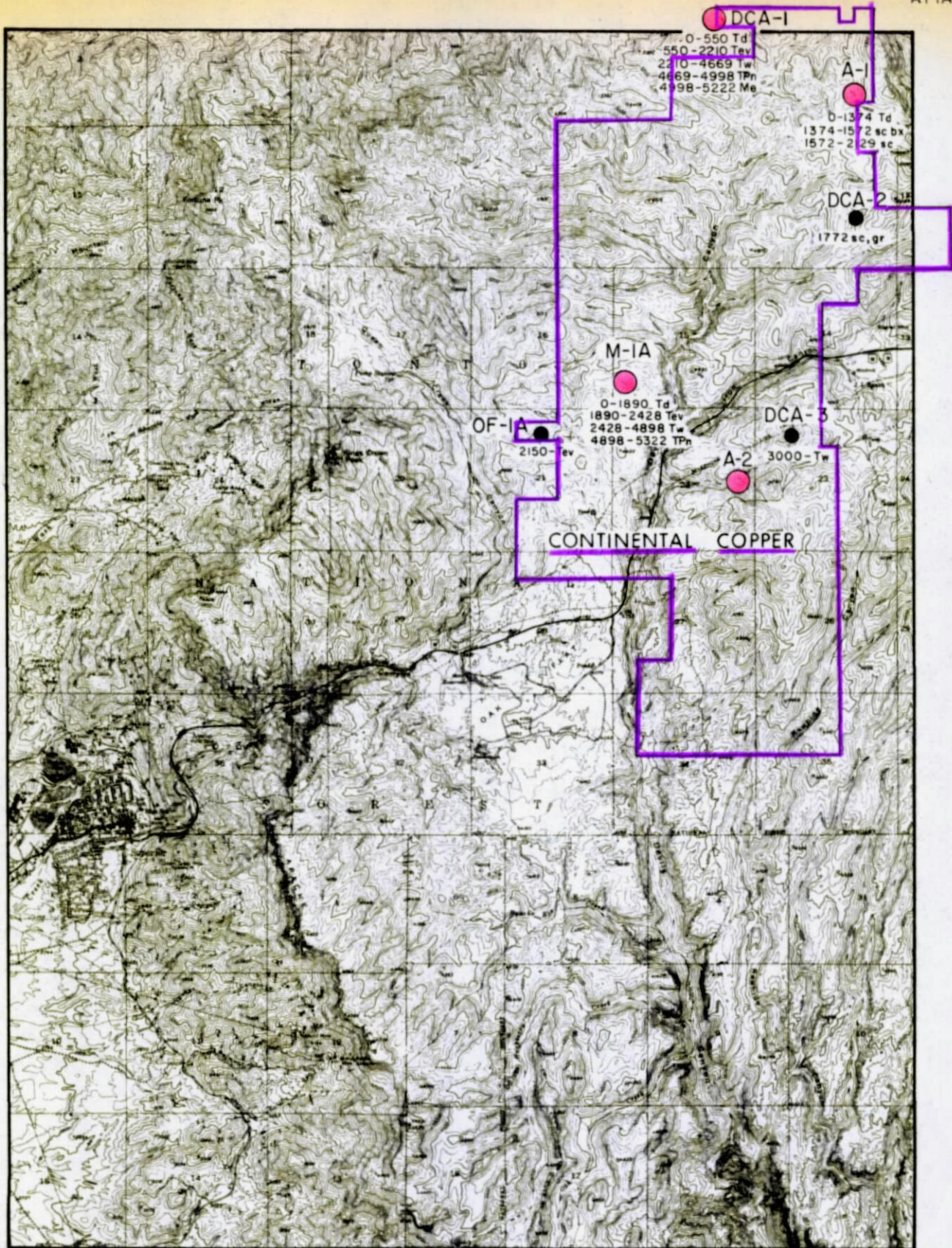
To date, no mineralization has been encountered, although several favorable replacement zones have been cut during the coring. Abundant lost circulation problems continue to hamper the drilling and essentially all the limestone has been cored without any drilling fluid return. Costs and geologic log of the hole will be available upon completion of the hole.

A drill site has been prepared for drill hole A-2 in the east central part of section 22. Drilling should commence later this month (January).

Drill site locations and geologic unit footage contacts and the approximate property boundary are shown on Attachment A.

  
James D. Sell

JDS:lad  
Attach.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 40ft Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

- Td-Dacite
- Tev-Earl volcanics
- Tw-Whitetail

PRE-MINERAL ROCK UNIT

- gr-Granite
- db-Diabase
- sc-Schist
- TPn-Naco limestone

DRILLING PROGRESS MAP  
for the quarter of *Q1-Dec. 1971*  
SUPERIOR EAST  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J. D. S.



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

R. B. CRIST  
PROPERTY MANAGER

April 7, 1972

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 190  
Grand Junction, Colorado 81501

SUPERIOR EAST PROJECT

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of the Agreement dated March 25, 1971, between Continental Copper and ASARCO, we submit the enclosed Quarterly Report.

Attachments to the Report are as follows:

- A. Land Plat indicating current drill hole locations.
- B. Drill Log for CDA-1A.
- C. Assay Sheets A-2.

Very truly yours,

  
R.B. Crist

RBC:kre

Encl: As Noted

cc: John Roscoe - Continental Copper - Tucson w/encl.  
J.J. Collins - ASARCO - New York w/encl.  
H.E. Kelshaw - ASARCO - New York w/o encl.  
W.L. Kurtz - ASARCO - Tucson w/encl.  
J.D. Sell - ASARCO - Tucson w/encl.

AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

April 4, 1972

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
Ending March 31, 1972  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO and Continental Copper, I submit this quarterly report on the examination and exploration work covering the Continental Margaret claims. Attachment A is the plat of the area and the drill hole results known within the area.

As reported in the last quarterly report, we reentered, cleaned, and cased drill hole DCA-1A to a depth of 4011 feet. Coring continued below the casing and was terminated in quartzite (Troy) at a depth of 5813 feet. The abbreviated log of the entire hole follows:

0-550	Td (Dacite)
550-2210	Tev (Early Volcanics)
2210-4669	Tw (Whitetail Conglomerate)
4669-4998	TPn (Naco Limestone)
4998-5452	Me (Escabrosa Limestone)
5452-5768	Dm (Martin Limestone)
5768-5813	pqt (Troy Quartzite)

No mineralization was cut in the hole, although several favorable replacement texture zones were cut. The graphic log and assay results of drill hole DCA-1A is enclosed as Attachment B. Abundant lost circulation problems plagued the drilling, but core recovery was high. Unaudited contractor drilling costs on the hole are estimated to be \$86,700.00.

Drill hole site A-2 was occupied during the quarter and rotaried to 4076 feet with a Mayhew 3000. The hole was cased and a Longyear 44, truck-mounted, was brought in to complete the hole. After coring to 4521 feet, the rods twisted off and the last eight feet of core has not been recovered. The contractor is presently fishing to recover the lost string (580 feet) of drill rods



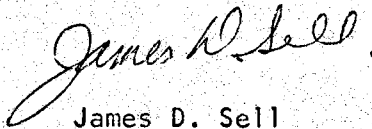
April 4, 1972

and core barrel, but have been unsuccessful to date. The abbreviated log of the hole follows:

0-1330	Td (Dacite)
1330-2020	TeV (Early Volcanics)
2020-3935	Tw (Whitetail Conglomerate)
3935-4288	Tgr and pEsc (Schultze granite dikes and masses injected into Pinal schist)
4288-4295	Fault zone
4295-4513	pEsc and Tgr (Pinal schist with minor dikes and masses of Schultze granite)

The bedrock of Schultze granite and Pinal schist is altered, with silicification being the most abundant, with some argillization and quartz-sericite development. The rocks are extremely shattered, and brecciated with gouge development. Total sulfide content is estimated to have been less than 1% with some zones ranging up to 2-3%. The mineralization was mostly pyritic with some specularite and probably chalcopyrite. The entire zone to the fault at 4288 feet is strongly oxidized and leached with the development of iron oxides and few leached chalcocite remnants. Assays in this material range from 0.01% copper to a few high values in the 0.15% range and a high of 0.30% copper. The moly content of the zone averaged 27 parts per million. Attachment C is the list of samples and values from the rotary and split core samples as presently received.

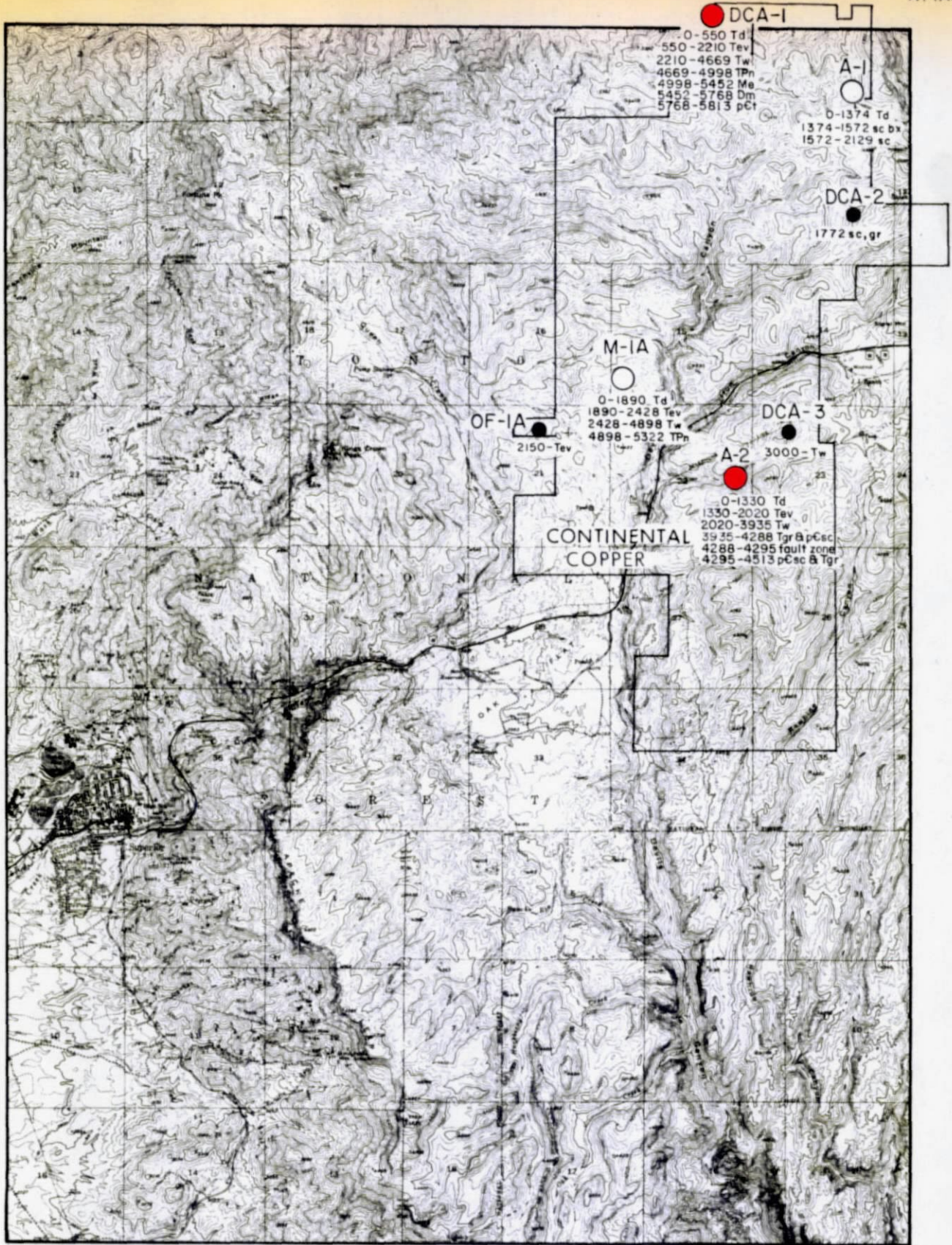
The rock below the fault zone is leached only for a few tens of feet, with sulfides first appearing at 4314 feet. The rock below the fault contains silicification and weak argillization and quartz-sericite development. The total sulfide content is estimated to be between 0.5-2.0%, with a few stronger zones. Pyrite, chalcopyrite, and bornite (tentative identification) are found along with chalcocite as disseminations as well as fracture filling and in quartz veining. The remaining samples in the zone are being prepared for assay. Unaudited contractor costs are estimated to be \$80,500.00 to date.

  
James D. Sell

JDS:lad

Attachs: Plat Drill Hole Location  
Drill Log DCA-1A  
Assay Sheets A-2

cc: RBCrist - w/attach.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

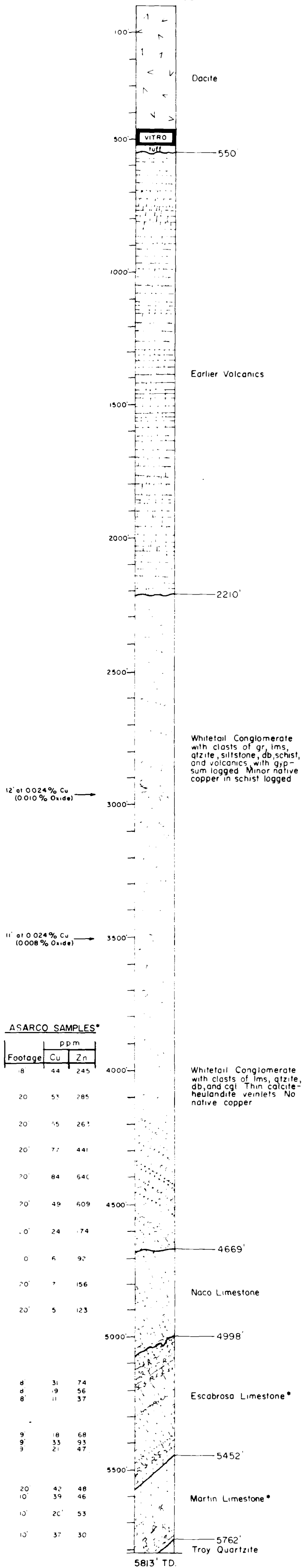
- Tgr - Granite
- TPn - Naco limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pCsc - Schist

DRILLING PROGRESS MAP  
for the quarter of ~~JAN.-MAR. 1972~~  
SUPERIOR EAST  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J.D.S.

DCA - 1A

Collar Elev 4760'

ATTACHMENT 3



MIAMI COPPER - Superior Oil Rotary Hole DCA-1  
 Surface - 4002' with spot cores  
 at 1668' - 1675'  
 2959' - 2971'  
 3514' - 3525'  
 3525' - 3542'  
 3542' - 3552'  
 3552' - 3568'  
 4000' - 4011.5'  
 May 18 - June 26 1964  
 9" Hole

ASARCO Core Hole DCA-1A  
 4002' - 5813'  
 Nov 17, 1971 - Feb 9, 1972  
 NX Hole

\* Sample list and values for Cu, Zn, Mo, in ppm, and SiO<sub>2</sub>, CaO, MgO, and total Fe in %, submitted by separate memo

\* -R - Replacement textured zone

T1S, R13E.  
 NW 1/4 NE 1/4 of Sec 3

GRAPHIC LOG & ASSAY RESULTS  
 of  
 DRILL HOLE DCA-1A  
 SUPERIOR EAST PROJECT

GILA & PINAL COUNTIES, ARIZONA

SCALE 1" = 300'

J.D.S. July 8, 1971

2486-C

ASSAY RESULTS DRILL HOLE DCA-1A  
SUPERIOR EAST PROJECT

<u>ASARCO</u> <u>Sample No.</u>		<u>Depth</u>	<u>Interval</u>	<u>Cu</u> <u>ppm</u>	<u>Zn</u> <u>ppm</u>	<u>Mo</u> <u>ppm</u>	<u>SiO<sub>2</sub></u> <u>%</u>	<u>CaO</u> <u>%</u>	<u>MgO</u> <u>%</u>	<u>Total</u> <u>Fe, %</u>	<u>Rock</u> <u>Type</u>
DCA-1A-1		4002-4020	18'	44	245	7					
-2		4100-4120	20'	53	285	7					
-3		4200-4220	20'	55	263	5					
-4	Tw	4300-4320	20'	77	441	10					
-5		4400-4420	20'	84	640	9					
-6		4500-4520	20'	49	609	5					
-7		4600-4620	20'	24	174	9					
-8		4700-4720	20'	6	92	7					Shaley Lms.
-9	Pn	4800-4820	20'	7	156	5					Shaley Lms
-10		4900-4920	20'	5	123	7					Shale & Lms.
-11		5194-5202	8'	31	74	10	16.9	28.1	14.5	0.80	Dolomitic Lms
-12		5202-5210	8'	19	56	13	3.7	30.7	20.8	0.80	Replaced Texture
-13	Me	5210-5218	8'	11	37	11	2.1	51.7	1.2	0.35	Limestone
-14		5392-5401	9'	18	68	12	3.0	30.5	21.0	0.75	Dolomitic Lms.
-15		5401-5410	9'	33	93	9	2.5	31.8	20.0	0.80	Replaced Texture
-16		5410-5419	9'	21	47	9	3.2	30.9	22.0	0.60	Dolomitic Lms.
-17		5575-5595	20'	42	48	9	13.7	44.2	2.3	0.95	Shaley Lms.
-18	Dm	5595-5605	10'	39	46	12	36.1	20.2	9.9	1.25	Replaced Texture

ASSAY RESULTS DRILL HOLE DCA-1A (Cont'd.)  
 SUPERIOR EAST PROJECT

<u>ASARCO Sample No.</u>	<u>Depth</u>	<u>Interval</u>	<u>Cu ppm</u>	<u>Zn ppm</u>	<u>Mo ppm</u>	<u>SiO<sub>2</sub> %</u>	<u>CaO %</u>	<u>MgO %</u>	<u>Total Fe, %</u>	<u>Rock Type</u>
DCA-1A-19	5650-5660	10'	20	53	11	6.5	30.3	19.9	0.90	Replaced Texture
-20	5709-5719	10'	37	30	12	10.8	28.1	18.2	0.95	Replaced Texture

## ASSAY RESULTS DRILL HOLE A-2

## SUPERIOR EAST PROJECT

ASARCO Sample No.	Depth	Interval	Total Cu, %	Weighted Average
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## ROTARY CUTTINGS

A-2-1	Tev	1989-2021	32'	Trace
A-2-2		2021-2052	31'	0.02
A-2-3		2052-2081	29'	0.01
A-2-4		2081-2112	31'	0.01
A-2-5		2112-2143	31'	0.01
A-2-6		2143-2174	31'	0.01
A-2-7		2174-2205	31'	0.01
A-2-8		2205-2236	31'	0.01
A-2-9		2236-2267	31'	0.03
A-2-10		2267-2297	30'	0.04
A-2-11		2297-2327	30'	0.05
A-2-12		2327-2358	31'	0.04
A-2-13		2358-2390	32'	0.04
A-2-14		2390-2422	32'	0.03
A-2-15		2422-2452	30'	0.03
A-2-16		2452-2484	32'	0.04
A-2-17		2484-2515	31'	0.04
A-2-18		2515-2546	31'	0.03
A-2-19		2546-2559	13'	0.03
A-2-20		2559-2572	13'	0.04
A-2-21		2572-2602	30'	0.03
A-2-22		2602-2633	31'	0.03
A-2-23	TW	2633-2662	29'	0.04
A-2-24		2662-2694	32'	0.02
A-2-25		2694-2725	31'	0.02
A-2-26		2725-2756	31'	0.03
A-2-27		2756-2787	31'	0.04
A-2-28		2787-2818	31'	0.05
A-2-29		2818-2848	30'	0.02
A-2-30		2848-2878	30'	0.05
A-2-31		2878-2909	31'	0.07
A-2-32		2909-2938	29'	0.05
A-2-33		2938-2968	30'	0.03
A-2-34		2968-3004	36'	0.10
A-2-35		3004-3034	30'	0.03
A-2-36		3034-3064	30'	0.10
A-2-37		3064-3095	31'	0.07
A-2-38		3095-3126	31'	0.09
A-2-39		3126-3157	31'	0.08
A-2-40		3157-3188	31'	0.09
A-2-41		3188-3217	29'	0.08

ASARCO  
Sample No.

Depth

Interval

Total  
Cu, %

Weighted  
Average

A-2-42	3217-3248	31'	0.10
A-2-43	3248-3278	30'	0.08
A-2-44	3278-3308	30'	0.13
A-2-45	3308-3339	31'	0.11
A-2-46	3339-3370	31'	0.19
A-2-47	3370-3400	30'	0.27
A-2-48	3400-3429	29'	0.17
A-2-49	3429-3459	30'	0.10
A-2-50	3459-3490	31'	0.07
A-2-51	3490-3522	32'	0.05
A-2-52	3522-3550	28'	0.11
A-2-53	3550-3561	11'	0.22
A-2-54	3561-3592	31'	0.16
A-2-55	3592-3622	30'	0.05
A-2-56	3622-3653	31'	0.03
A-2-57	3653-3685	32'	0.02
A-2-58	3685-3716	31'	0.03
A-2-59	3716-3747	31'	0.02
A-2-60	3747-3779	32'	0.01
A-2-61	3779-3810	31'	0.02
A-2-62	3810-3841	31'	0.02
A-2-63	3841-3873	32'	0.02
A-2-64	3873-3904	31'	0.03
A-2-65	3904-3935	31'	0.03
A-2-66	3935-3964	29'	0.02
A-2-67	3964-3995	31'	0.12
A-2-68	3995-4027	32'	0.03
A-2-69	4027-4055	28'	0.04
A-2-70	4055-4076	21'	0.04

Tw

Tgr

Mo  
ppm  
26  
21  
37  
52  
66  
89

CONTINUOUS CORE SAMPLES

A-2C-1	4076-4078	2'	0.16
A-2C-2	4078-4080	2'	0.18
A-2C-3	4080-4090	10'	0.14
A-2C-4	4090-4100	10'	0.01
A-2C-5	4100-4110	10'	0.02
A-2C-6	4110-4120	10'	0.05
A-2C-7	4120-4130	10'	0.30
A-2C-8	4130-4140	10'	0.01
A-2C-9	4140-4150	10'	0.01
A-2C-10	4150-4160	10'	0.01
A-2C-11	4160-4170	10'	0.01
A-2C-12	4170-4180	10'	0.07
A-2C-13	4180-4190	10'	Trace
A-2C-14	4190-4200	10'	0.06
A-2C-15	4200-4210	10'	0.01

Tgr &  
p&pi

36  
11  
14  
26  
30  
12  
24  
33  
16  
34  
21  
32  
17  
14  
20

ASARCO Sample No.	Depth	Interval	Total Cu, %	Weighted Average	Mo ppm
A-2C-16	4210-4220	10'	0.16		53
A-2C-17	4220-4230	10'	0.26		25
A-2C-18	4230-4240	10'	Trace		23
A-2C-19	4240-4250	10'	0.01		15
A-2C-20	4250-4260	10'	0.01		14
A-2C-21	4260-4270	10'	0.01		32
A-2C-22	4270-4280	10'	0.01		23
A-2C-23	4280-4290	10'	0.01		8
A-2C-24	4290-4300	10'	Trace		17
A-2C-25	4300-4310	10'	Trace		11
A-2C-26	4310-4320	10'	0.22		11
A-2C-27	4320-4330	10'	0.20		12
A-2C-28	4330-4340	10'	0.11		12

Tgt & Dept





AMERICAN SMELTING AND REFINING COMPANY

EXPLORATION DEPARTMENT

SOUTHWESTERN UNITED STATES DIVISION

P. O. BOX 5747, TUCSON, ARIZONA 85703

R. B. CRIST  
PROPERTY MANAGER

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

July 7, 1972

Mr. C. H. Reynolds  
Continental Copper, Inc.  
P. O. Box 190  
Grand Junction, Colorado 81501

Superior East Project

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of the Agreement dated March 25, 1971, between Continental Copper and ASARCO, we submit the enclosed Quarterly Report by J. D. Sell. Attachments to the report are as follows:

Plat of Drill Hole Locations  
Graphic Log of A-2 and A-2W  
Assay Sheets of A-2 and A-2W

In response to Mr. Kirby Coryell's notice to you that he has acquired certain State of Arizona prospecting permits on lands within the one-mile perimeter of the Margaret claims, ASARCO has no desire to include those portions of sec. 2 & 3, T. 2 S., R. 13 E. that fall within this peripheral zone. (Article 2, Exhibit A-1 of Copper/ASARCO agreement). Please let me know if you require further documentation to exclude these lands from our agreement. Mr. Coryell has been informed verbally that we cannot do the labor commitments required by the State Land Department.


Also enclosed, as a matter of interest, is a notice of termination of our license to use the access road to the northeast block of claims.

Very truly yours,

*R. B. Crist*  
R. B. Crist

RBC:lad  
Encs.

cc: John Roscoe - w/enc.  
JJCcollins - w/enc.  
HEKelshaw - w/o enc.

WLKurtz - w/enc.  
JDSell - w/enc. 

AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

June 30, 1972

TO: W. L. Kurtz

FROM: J. D. Sell ✓

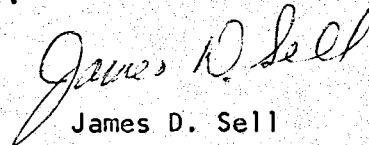
Quarterly Report  
Ending June 30, 1972  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO and Continental Copper, I submit this quarterly report on the exploration work covering the Margaret claims.

The drilling during this quarter was through a whipstock (wedge) from drill hole A-2. The wedge was placed at 4230 feet in A-2 and the new portion from that depth was named A-2W. As reported last quarter, drill hole A-2 was lost at 4521 feet (along with the last eight feet of core). The wedged hole A-2W was terminated at 4940 feet when another section of rods and the core barrel were lost.

Enclosed with this report are Attachment A, the drilling progress map for the quarter; Attachments B and C, the graphic logs of holes A-2 and A-2W; and Attachments D and E, the assay results from the two holes.

Unaudited direct drilling costs for drill hole A-2 and A-2W are estimated to be \$106,440.00. A summary report on the total project costs will be completed during the next quarter.

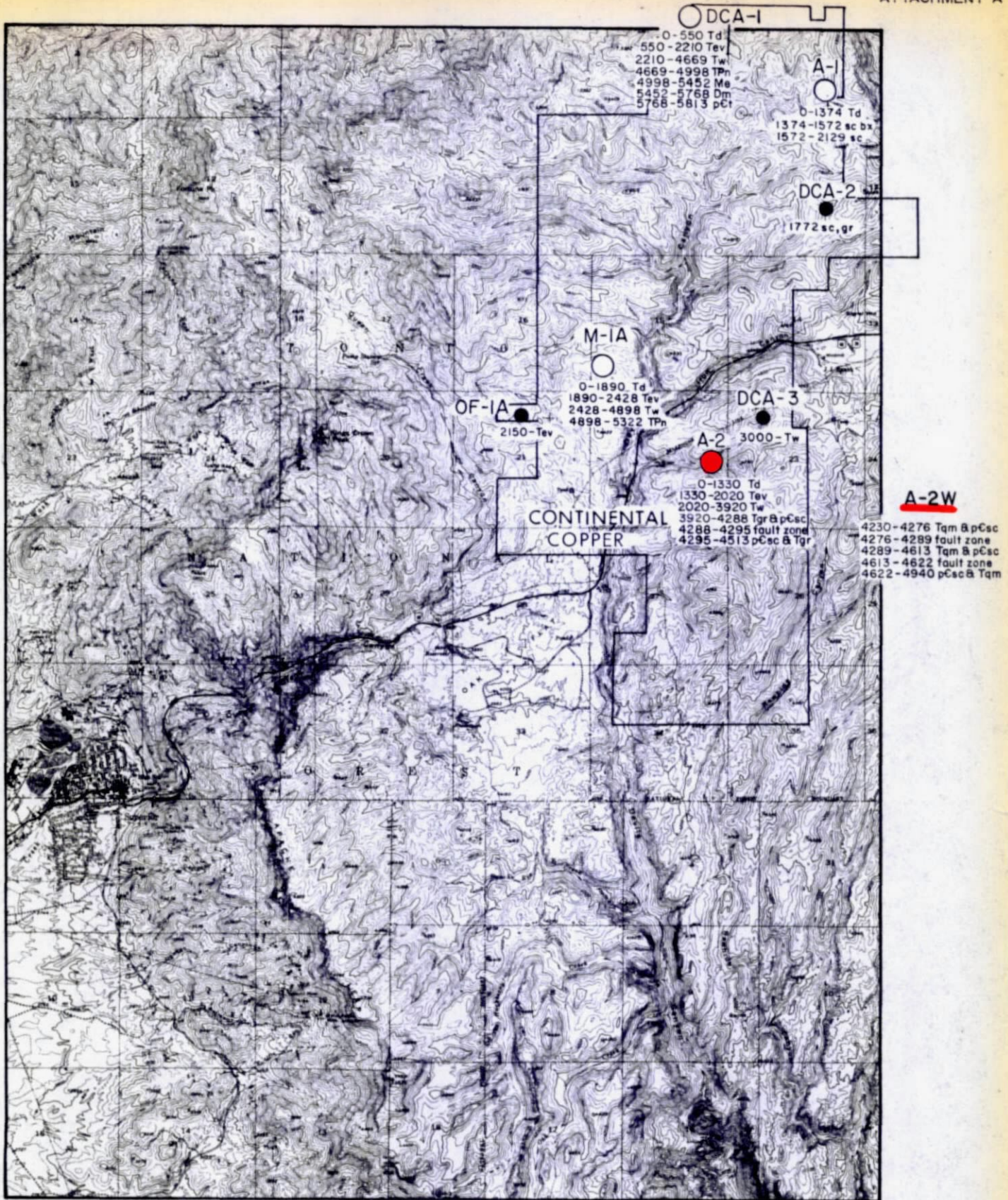
  
James D. Sell

JDS:lad

Attachs:

Plat of Drill Hole Locations  
Graphic Log of A-2 and A-2W  
Assay Sheets of A-2 and A-2W

cc: RBCrist - w/attachs.



**EXPLANATION**

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

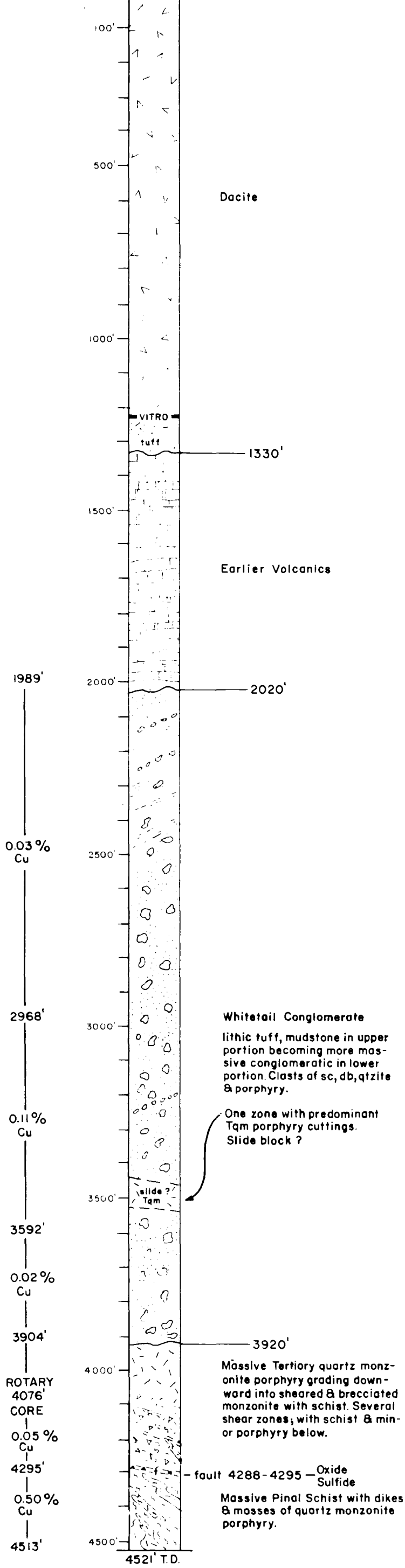
PRE-MINERAL ROCK UNIT

- 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 APR-JUNE 1972  
**SUPERIOR EAST**  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J. D. S.

A-2

Collar Elev. 4340'



ASARCO DRILL HOLE A-2  
 Rotary: Surface-4076 feet  
 with spot cores at 2559-2574  
 3540-3550  
 4075-4076  
 Mayhew 3000, air drilled  
 January 13 - February 7, 1972  
 8 3/4" - 6 1/4" hole.

Core: 4076-4521 feet  
 Longyear TRK-44  
 NX Coring  
 March 4-18, 1972

NOTE: Individual assays for the hole is found in Assay Report, dated March 24, 1972.

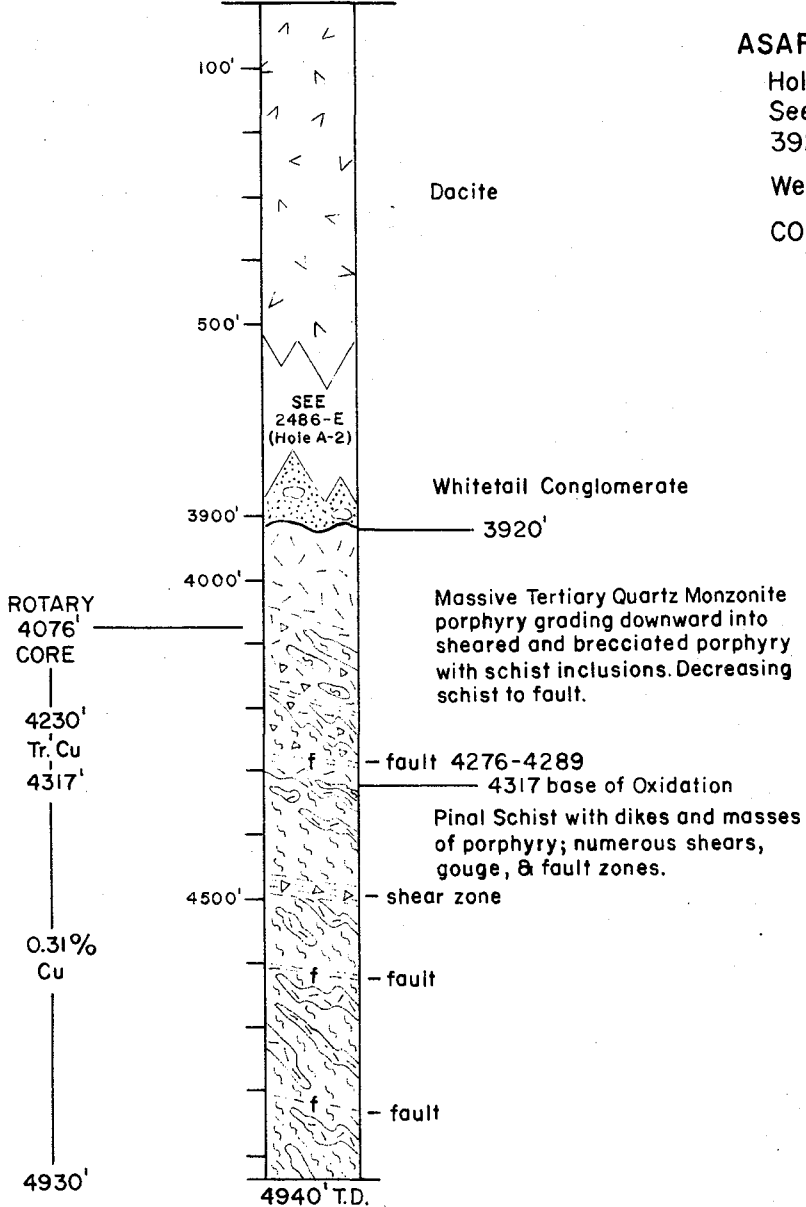
T 1 S, R 13 E.  
 NW 1/4 NE 1/4 SE 1/4 of Sec. 22

GRAPHIC LOG & ASSAY RESULTS  
 of  
 DRILL HOLE A-2  
 SUPERIOR EAST PROJECT

GILA & PINAL COUNTIES, ARIZONA  
 SCALE 1"=300'  
 J.D.S. July 8, 1971

A-2W

Collar Elev. 4340'



ASARCO DRILL HOLE A-2W (Wedge)

Hole wedged from previous Hole A-2. See map no. 2486-E for units above 3920 feet.

Wedge at 4230 feet.

CORE: 4230 - 4940 feet  
 Longyear TRK-44  
 NX Coring  
 April 19 - May 17, 1972

NOTE: Individual assays for the hole is found in Assay Report, dated May 26, 1972.

T 1 S, R 13 E.  
 NW 1/4 NE 1/4 SE 1/4 of Sec. 22

GRAPHIC LOG & ASSAY RESULTS of

DRILL HOLE A-2W

SUPERIOR EAST PROJECT

GILA & PINAL COUNTIES, ARIZONA

SCALE 1" = 300'  
 J.D.S. July 8, 1971

## ASSAY RESULTS DRILL HOLE A-2

## SUPERIOR EAST PROJECT

ASARCO Sample No.	Depth	Interval	Total Cu, %	Weighted Average
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## ROTARY CUTTINGS

A-2-1	Tev	1989-2021	32'	Trace	947 ft. @ 0.03% Cu.
A-2-2		2021-2052	31'	0.02	
A-2-3		2052-2081	29'	0.01	
A-2-4		2081-2112	31'	0.01	
A-2-5		2112-2143	31'	0.01	
A-2-6		2143-2174	31'	0.01	
A-2-7		2174-2205	31'	0.01	
A-2-8		2205-2236	31'	0.01	
A-2-9		2236-2267	31'	0.03	
A-2-10		2267-2297	30'	0.04	
A-2-11		2297-2327	30'	0.05	
A-2-12		2327-2358	31'	0.04	
A-2-13		2358-2390	32'	0.04	
A-2-14		2390-2422	32'	0.03	
A-2-15		2422-2452	30'	0.03	
A-2-16		2452-2484	32'	0.04	
A-2-17		2484-2515	31'	0.04	
A-2-18		2515-2546	31'	0.03	
A-2-19		2546-2559	13'	0.03	
A-2-20		2559-2572	13'	0.04	
A-2-21		2572-2602	30'	0.03	
A-2-22		2602-2633	31'	0.03	
A-2-23	TW	2633-2662	29'	0.04	
A-2-24		2662-2694	32'	0.02	
A-2-25		2694-2725	31'	0.02	
A-2-26		2725-2756	31'	0.03	
A-2-27		2756-2787	31'	0.04	
A-2-28		2787-2818	31'	0.05	
A-2-29		2818-2848	30'	0.02	
A-2-30		2848-2878	30'	0.05	
A-2-31		2878-2909	31'	0.07	
A-2-32		2909-2938	29'	0.05	
A-2-33		2938-2968	30'	0.03	
A-2-34		2968-3004	36'	0.10	
A-2-35		3004-3034	30'	0.03	
A-2-36		3034-3064	30'	0.10	
A-2-37		3064-3095	31'	0.07	
A-2-38		3095-3126	31'	0.09	
A-2-39		3126-3157	31'	0.08	
A-2-40		3157-3188	31'	0.09	
A-2-41		3188-3217	29'	0.08	

ASARCO Sample No.	Depth	Interval	Total Cu, %	Weighted Average	No ppm
A-2-42	3217-3248	31'	0.10	624 ft. @ 0.11% Cu	
A-2-43	3248-3278	30'	0.08		
A-2-44	3278-3308	30'	0.13		
A-2-45	3308-3339	31'	0.11		
A-2-46	3339-3370	31'	0.19		
A-2-47	3370-3400	30'	0.27		
A-2-48	3400-3429	29'	0.17		
A-2-49	3429-3459	30'	0.10		
A-2-50	3459-3490	31'	0.07		
A-2-51	3490-3522	32'	0.05		
A-2-52	3522-3550	28'	0.11		
A-2-53	3550-3561	11'	0.22		
A-2-54	3561-3592	31'	0.16		
A-2-55	3592-3622	30'	0.05		
A-2-56	3622-3653	31'	0.03		
A-2-57	3653-3685	32'	0.02		
A-2-58	3685-3716	31'	0.03		
A-2-59	3716-3747	31'	0.02		
A-2-60	3747-3779	32'	0.01		
A-2-61	3779-3810	31'	0.02		
A-2-62	3810-3841	31'	0.02		
A-2-63	3841-3873	32'	0.02		
A-2-64	3873-3904	31'	0.03		
A-2-65	3904-3935	31'	0.03		
A-2-66	3935-3964	29'	0.02		
A-2-67	3964-3995	31'	0.12		
A-2-68	3995-4027	32'	0.03		
A-2-69	4027-4055	28'	0.04		
A-2-70	4055-4076	21'	0.04		

Tw

Tqm

312 ft. @ 0.02% Cu

1883 ft. @ 0.06% Cu

CONTINUOUS CORE SAMPLES

A-2C-1	4076-4078	2'	0.16		36
A-2C-2	4078-4080	2'	0.18		11
A-2C-3	4080-4090	10'	0.14		14
A-2C-4	4090-4100	10'	0.01		26
A-2C-5	4100-4110	10'	0.02		30
A-2C-6	4110-4120	10'	0.05		12
A-2C-7	4120-4130	10'	0.30		24
A-2C-8	4130-4140	10'	0.01		33
A-2C-9	4140-4150	10'	0.01		16
A-2C-10	4150-4160	10'	0.01		34
A-2C-11	4160-4170	10'	0.01		21
A-2C-12	4170-4180	10'	0.07		32
A-2C-13	4180-4190	10'	Trace		17
A-2C-14	4190-4200	10'	0.06		14
A-2C-15	4200-4210	10'	0.01		20

Tqm

Tqm & p&pi

ASARCO Sample No.	Depth	Interval	Total Cu, %	Weighted Average	Mo ppm
A-2C-16	4210-4220	10'	0.16	406 ft. @ 0.05% Cu	53
A-2C-17	4220-4230	10'	0.26		25
A-2C-18	4230-4240	10'	Trace		23
A-2C-19	4240-4250	10'	0.01		15
A-2C-20	4250-4260	10'	0.01		14
A-2C-21	4260-4270	10'	0.01		32
A-2C-22	4270-4280	10'	0.01		23
A-2C-23	4280-4290	10'	0.01		8
A-2C-24	4290-4300	10'	Trace		17
A-2C-25	4300-4310	10'	Trace		11
A-2C-26	4310-4320	10'	0.22		11
A-2C-27	4320-4330	10'	0.20		12
A-2C-28	4330-4340	10'	0.11		12
A-2C-29	4340-4350	10'	0.37		8
A-2C-30	4350-4360	10'	0.63		12
A-2C-31	4360-4370	10'	0.39		8
A-2C-32	4370-4380	10'	0.40		16
A-2C-33	4380-4390	10'	0.36		11
A-2C-34	4390-4400	10'	0.35		118
A-2C-35	4400-4410	10'	0.42		14
A-2C-36	4410-4420	10'	0.51		7
A-2C-37	4420-4430	10'	0.31		24
A-2C-38	4430-4440	10'	0.35		20
A-2C-39	4440-4450	10'	0.27		5
A-2C-40	4450-4460	10'	0.33		12
A-2C-41	4460-4470	10'	0.48		67
A-2C-42	4470-4480	10'	0.49	16	
A-2C-43	4480-4490	10'	2.40	6	
A-2C-44	4490-4500	10'	0.42	7	
A-2C-45	4500-4510	10'	1.01	18	
A-2C-46	Tqm 4510-4513	3'	0.25	32	

Tqm & pepi

33 ft. @ 1.18% Cu

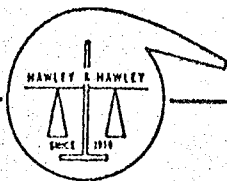
170 ft. @ 0.36% Cu

203 ft. @ 0.50% Cu

Tr Au, 0.10 oz Ag

Tr Au, 0.07 oz Ag





Registered Assayers  
OVER 50 YEARS

# HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.  
BOX 50106  
TUCSON, ARIZONA 85703

1700 W. GRANT RD.,  
(602) 622-4836

BRANCHES

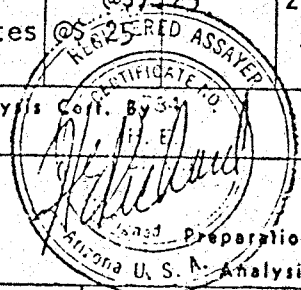
Douglas  
Hayden  
Morenci  
Inspiration  
El Paso  
St. Louis

IDENTIFICATION	Gold OPT	Silver OPT	Lead %	Copper %				
A-2C-25				0.01	Weighted Average  200 ft. @ 0.54% Cu			
26				0.20				
27				0.20				
28				0.11				
A-2C-29				0.37				
A-2C-30				0.65				
31				0.40				
32				0.42				
33				0.39				
A-2C-34				0.38				
A-2C-35				0.43				
36				0.54				
37				0.30				
38				0.38				
A-2C-39				0.29				
A-2C-40				0.37				
41				0.50				
42				0.55				
43				2.71				
44				0.43				
A-2C-45				1.09				
<u>Composites:</u>								
A-2C-25, 26, 27, 28, 29	< 0.005	0.03						
A-2C-30, 31, 32, 33, 34	< 0.005	0.05						
A-2C-35, 36, 37, 38, 39	< 0.005	0.11						
A-2C-40, 41, 42, 43, 44	None	0.01						
					21 Cu, verified, @\$3.25	\$ 68.25		
					4 Au & Ag "	@\$7.25	29.00	
					20 Composites	@\$2.50	5.00	

cc: American Smelting & Refining Company  
ADD: Southwestern Exploration Department  
CITY: Attn: Mr. James D. Sell  
AP Box 5747  
CITY: Tucson, Arizona 85703

REMARKS:  
  
Verified analysis

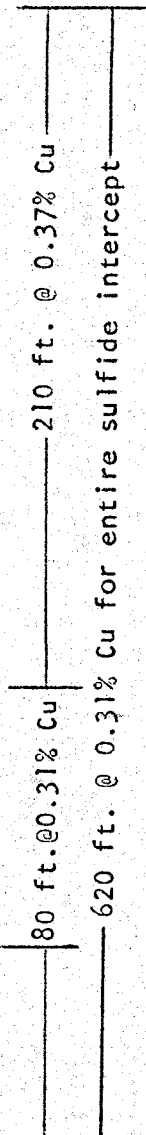
Analysis Cost. By SA  
Preparation \$ 5.00  
U. S. A. Analysis \$ 97.25



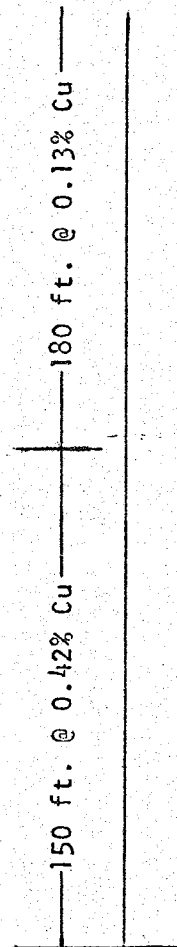
ACC:	AMERICAN SMELTING & REFINING CO.	Date Spl. Received	4/7/72	Date Compl.	4/10/72	TUC	346098	\$	102.25
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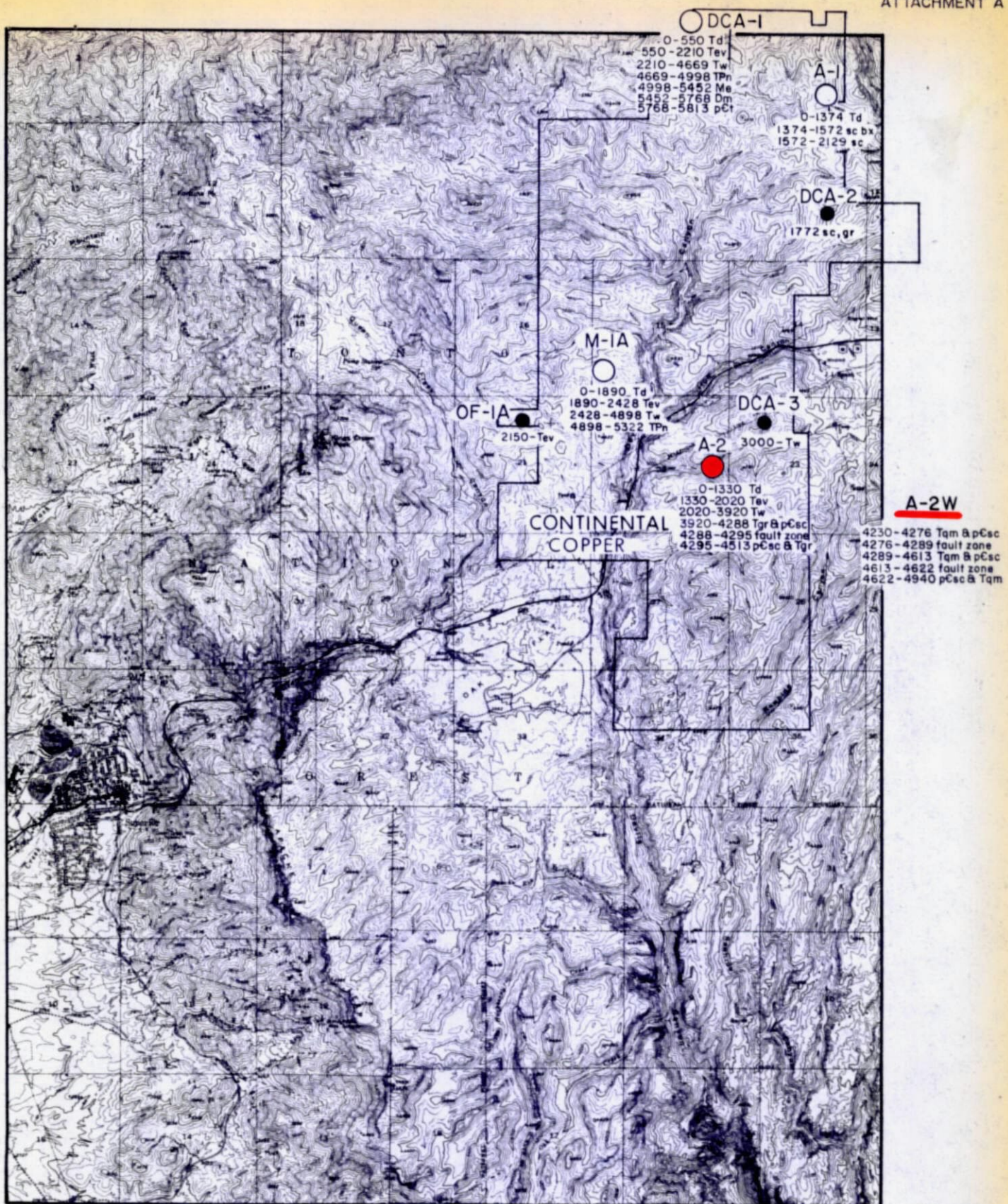
ASSAY RESULTS DRILL HOLE A-2W  
SUPERIOR EAST PROJECT

ASARCO Sample Number	Footage Depth	Footage Interval	Percent Copper	PPM Moly	Weighted Average % Cu
A-2W-1	4230-4240	10'	Tr	16	
A-2W-2	4240-4250	10'	Tr	23	
A-2W-3	4250-4260	10'	Tr	14	
A-2W-4	4260-4270	10'	Tr	17	
A-2W-5	4270-4280	10'	Tr	21	
A-2W-6	4280-4290	10'	0.01	14	
A-2W-7	4290-4300	10'	Tr	18	
A-2W-8	4300-4310	10'	Tr	7	
A-2W-9	4310-4320	10'	0.02	24	
A-2W-10	4320-4330	10'	0.19	8	
A-2W-11	4330-4340	10'	0.72	12	
A-2W-12	4340-4350	10'	0.66	12	
A-2W-13	4350-4360	10'	0.32	10	
A-2W-14	4360-4370	10'	0.41	10	
A-2W-15	4370-4380	10'	0.25	11	
A-2W-16	4380-4390	10'	0.60	64	
A-2W-17	4390-4400	10'	0.53	15	
A-2W-18	4400-4410	10'	0.38	11	
A-2W-19	4410-4420	10'	0.28	24	
A-2W-20	4420-4430	10'	0.36	9	
A-2W-21	4430-4440	10'	0.30	12	
A-2W-22	4440-4450	10'	0.30	9	
A-2W-23	4450-4460	10'	0.25	11	
A-2W-24	4460-4470	10'	0.37	19	
A-2W-25	4470-4480	10'	0.45	10	
A-2W-26	4480-4490	10'	0.32	15	
A-2W-27	4490-4500	10'	0.67	12	
A-2W-28	4500-4510	10'	0.24	11	
A-2W-29	4510-4520	10'	0.07	10	
A-2W-30	4520-4530	10'	0.13	21	
A-2W-31	4530-4540	10'	0.12	68	
A-2W-32	4540-4550	10'	0.08	5	
A-2W-33	4550-4560	10'	0.46	0.0928%	
A-2W-34	4560-4570	10'	0.48	66	
A-2W-35	4570-4580	10'	0.18	122	
A-2W-36	4580-4590	10'	0.55	10	
A-2W-37	4590-4600	10'	0.43	10	
A-2W-38	4600-4610	10'	0.19	11	
A-2W-39	4610-4620	10'	0.10	8	
A-2W-40	4620-4630	10'	0.06	18	
A-2W-41	4630-4640	10'	0.14	25	
A-2W-42	4640-4650	10'	0.13	77	
A-2W-43	4650-4660	10'	0.13	8	



A-2W-44	4660-4670	10'	0.25	18
A-2W-45	4670-4680	10'	0.07	18
A-2W-46	4680-4690	10'	0.12	0.0295%
A-2W-47	4690-4700	10'	0.17	0.0257%
A-2W-48	4700-4710	10'	0.10	12
A-2W-49	4710-4720	10'	0.05	10
A-2W-50	4720-4730	10'	0.13	12
A-2W-51	4730-4740	10'	0.30	6
A-2W-52	4740-4750	10'	0.28	14
A-2W-53	4750-4760	10'	0.07	18
A-2W-54	4760-4770	10'	0.09	13
A-2W-55	4770-4780	10'	0.08	15
A-2W-56	4780-4790	10'	0.09	11
A-2W-57	4790-4800	10'	0.20	37
A-2W-58	4800-4810	10'	0.82	26
A-2W-59	4810-4820	10'	0.41	21
A-2W-60	4820-4830	10'	0.26	19
A-2W-61	4830-4840	10'	0.50	8
A-2W-62	4840-4850	10'	0.11	11
A-2W-63	4850-4860	10'	0.19	15
A-2W-64	4860-4870	10'	0.34	32
A-2W-65	4870-4880	10'	0.37	7
A-2W-66	4880-4890	10'	0.63	79
A-2W-67	4890-4900	10'	1.18	24
A-2W-68	4900-4910	10'	0.56	17
A-2W-69	4910-4920	10'	0.07	10
A-2W-70	4920-4930	10'	0.10	13
A-2W-71	4930-4940	10'	0.54	73





**EXPLANATION**

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- ↘ Rock type
- ↘ Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 APR-JUNE 1972  
**SUPERIOR EAST**  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J. D. S.

ASSAY RESULTS DRILL HOLE A-2

SUPERIOR EAST PROJECT

ASARCO Sample No.	Depth	Interval	Total Cu, %	Weighted Average
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ROTARY CUTTINGS

A-2-1	Tev	1989-2021	32'	Trace
A-2-2		2021-2052	31'	0.02
A-2-3		2052-2081	29'	0.01
A-2-4		2081-2112	31'	0.01
A-2-5		2112-2143	31'	0.01
A-2-6		2143-2174	31'	0.01
A-2-7		2174-2205	31'	0.01
A-2-8		2205-2236	31'	0.01
A-2-9		2236-2267	31'	0.03
A-2-10		2267-2297	30'	0.04
A-2-11		2297-2327	30'	0.05
A-2-12		2327-2358	31'	0.04
A-2-13		2358-2390	32'	0.04
A-2-14		2390-2422	32'	0.03
A-2-15		2422-2452	30'	0.03
A-2-16		2452-2484	32'	0.04
A-2-17		2484-2515	31'	0.04
A-2-18		2515-2546	31'	0.03
A-2-19		2546-2559	13'	0.03
A-2-20		2559-2572	13'	0.04
A-2-21		2572-2602	30'	0.03
A-2-22		2602-2633	31'	0.03
A-2-23	Tw	2633-2662	29'	0.04
A-2-24		2662-2694	32'	0.02
A-2-25		2694-2725	31'	0.02
A-2-26		2725-2756	31'	0.03
A-2-27		2756-2787	31'	0.04
A-2-28		2787-2818	31'	0.05
A-2-29		2818-2848	30'	0.02
A-2-30		2848-2878	30'	0.05
A-2-31		2878-2909	31'	0.07
A-2-32		2909-2938	29'	0.05
A-2-33		2938-2968	30'	0.03
A-2-34		2968-3004	36'	0.10
A-2-35		3004-3034	30'	0.03
A-2-36		3034-3064	30'	0.10
A-2-37		3064-3095	31'	0.07
A-2-38		3095-3126	31'	0.09
A-2-39		3126-3157	31'	0.08
A-2-40		3157-3188	31'	0.09
A-2-41		3188-3217	29'	0.08

947 ft. @ 0.03% Cu.

ASARCO Sample No.	Depth	Interval	Total Cu, %	Weighted Average	
A-2-42	3217-3248	31'	0.10	624 ft. @ 0.11% Cu	
A-2-43	3248-3278	30'	0.08		
A-2-44	3278-3308	30'	0.13		
A-2-45	3308-3339	31'	0.11		
A-2-46	3339-3370	31'	0.19		
A-2-47	3370-3400	30'	0.27		
A-2-48	3400-3429	29'	0.17		
A-2-49	3429-3459	30'	0.10		
A-2-50	3459-3490	31'	0.07		
A-2-51	3490-3522	32'	0.05		
A-2-52	3522-3550	28'	0.11		
A-2-53	3550-3561	11'	0.22		
A-2-54	3561-3592	31'	0.16		
A-2-55	3592-3622	30'	0.05		
A-2-56	3622-3653	31'	0.03		
A-2-57	3653-3685	32'	0.02		
A-2-58	3685-3716	31'	0.03		
A-2-59	3716-3747	31'	0.02		
A-2-60	3747-3779	32'	0.01		
A-2-61	3779-3810	31'	0.02		
A-2-62	3810-3841	31'	0.02		
A-2-63	3841-3873	32'	0.02		
A-2-64	3873-3904	31'	0.03		
A-2-65	3904-3935	31'	0.03		
A-2-66	3935-3964	29'	0.02		
A-2-67	3964-3995	31'	0.12		
A-2-68	3995-4027	32'	0.03		
A-2-69	4027-4055	28'	0.04		
A-2-70	4055-4076	21'	0.04		

624 ft. @ 0.11% Cu

1883 ft. @ 0.06% Cu

312 ft. @ 0.02% Cu

Mo ppm

26

21

37

52

66

89

CONTINUOUS CORE SAMPLES

A-2C-1	4076-4078	2'	0.16	36	oxidized and leached, no sulfides remaining.
A-2C-2	4078-4080	2'	0.18	11	
A-2C-3	4080-4090	10'	0.14	14	
A-2C-4	4090-4100	10'	0.01	26	
A-2C-5	4100-4110	10'	0.02	30	
A-2C-6	4110-4120	10'	0.05	12	
A-2C-7	4120-4130	10'	0.30	24	
A-2C-8	4130-4140	10'	0.01	33	
A-2C-9	4140-4150	10'	0.01	16	
A-2C-10	4150-4160	10'	0.01	34	
A-2C-11	4160-4170	10'	0.01	21	
A-2C-12	4170-4180	10'	0.07	32	
A-2C-13	4180-4190	10'	Trace	17	
A-2C-14	4190-4200	10'	0.06	14	
A-2C-15	4200-4210	10'	0.01	20	

Tqm & p&pi

ASARCO Sample No.	Depth	Interval	Total Cu, %	Weighted Average	Mo ppm
A-2C-16	4210-4220	10'	0.16	406 ft. @ 0.05% Cu	53
A-2C-17	4220-4230	10'	0.26		25
A-2C-18	4230-4240	10'	Trace		23
A-2C-19	4240-4250	10'	0.01		15
A-2C-20	4250-4260	10'	0.01		14
A-2C-21	4260-4270	10'	0.01		32
A-2C-22	4270-4280	10'	0.01		23
A-2C-23	4280-4290	10'	0.01		8
A-2C-24	4290-4300	10'	Trace		17
A-2C-25	4300-4310	10'	Trace		11
A-2C-26	4310-4320	10'	0.22	170 ft. @ 0.36% Cu	1
A-2C-27	4320-4330	10'	0.20		12
A-2C-28	4330-4340	10'	0.11		12
A-2C-29	4340-4350	10'	0.37		8
A-2C-30	4350-4360	10'	0.63		12
A-2C-31	4360-4370	10'	0.39		8
A-2C-32	4370-4380	10'	0.40		16
A-2C-33	4380-4390	10'	0.36		11
A-2C-34	4390-4400	10'	0.35		118
A-2C-35	4400-4410	10'	0.42		14
A-2C-36	4410-4420	10'	0.51	203 ft. @ 0.50% Cu	7
A-2C-37	4420-4430	10'	0.31		24
A-2C-38	4430-4440	10'	0.35		20
A-2C-39	4440-4450	10'	0.27		5
A-2C-40	4450-4460	10'	0.33		12
A-2C-41	4460-4470	10'	0.48		67
A-2C-42	4470-4480	10'	0.49		16
A-2C-43	4480-4490	10'	2.40		6
A-2C-44	4490-4500	10'	0.42		7
A-2C-45	4500-4510	10'	1.01		18
A-2C-46	4510-4513	3'	0.25	33 ft. @ 1.18% Cu	32

Tqm & pepi

pepi

Tqm

oxidized and leached,  
no sulfides remaining

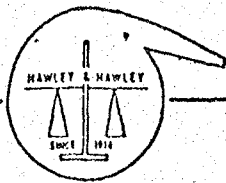
fault 4295 ft.  
first sulfide 4314 ft

last of oxidation  
effects.

Tr Au  
0.07 oz  
Ag

Tr Au  
0.04 oz  
Ag

Tr Au  
0.10 oz  
Ag



Registered Assayers  
OVER 50 YEARS

# HAWLEY & HAWLEY

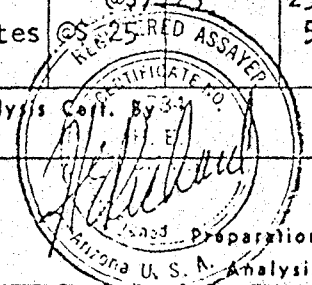
ASSAYERS AND CHEMISTS, INC.  
BOX 50106 1700 W. GRANT RD.,  
TUCSON, ARIZONA 85703 (602) 622-4836

BRANCHES  
Douglas  
Hayden  
Morenci  
Inspiration  
El Paso  
St. Louis

IDENTIFICATION	Gold OPT	Silver OPT	Lead %	Copper %	Weighted Average	
A-2C-25				0.01	200 ft. @ 0.54% Cu	
26				0.20		
27				0.20		
28				0.11		
A-2C-29				0.37		
A-2C-30				0.65		
31				0.40		
32				0.42		
33				0.39		
A-2C-34				0.38		
A-2C-35				0.43		
36				0.54		
37				0.30		
38				0.38		
A-2C-39				0.29		
A-2C-40				0.37		
41				0.50		
42				0.55		
43				2.71		
44				0.43		
A-2C-45				1.09		
<u>Composites:</u>						
A-2C-25, 26, 27, 28, 29	< 0.005	0.03				
A-2C-30, 31, 32, 33, 34	< 0.005	0.05				
A-2C-35, 36, 37, 38, 39	< 0.005	0.11				
A-2C-40, 41, 42, 43, 44	None	0.01				
					21 Cu, verified, @\$3.25 \$ 68.25	
					4 Au & Ag " @\$7.25 29.00	
					20 Composites @\$25.00 5.00	

cc: American Smelting & Refining Company  
ADD: Southwestern Exploration Department  
CITY: Attn: Mr. James D. Sell  
Box 5747  
Tucson, Arizona 85703

REMARKS:  
Verified analysis  
Analysis Cert. By 33  
*(Signature)*  
Preparation \$ 5.00  
Arizona U. S. N. Analysis \$ 97.25

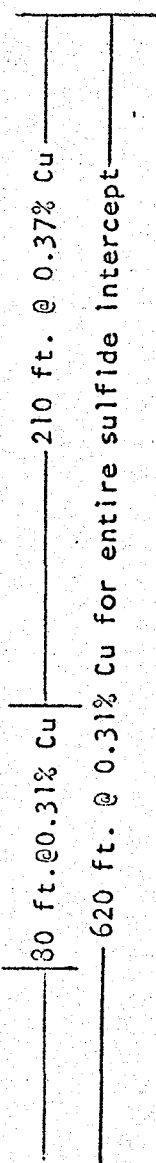


ACC: AMERICAN SMELTING & REFINING CO.	Date Spl. Received 4/7/72	Date Compl. 4/10/72	TUC 346098	\$ 102.25
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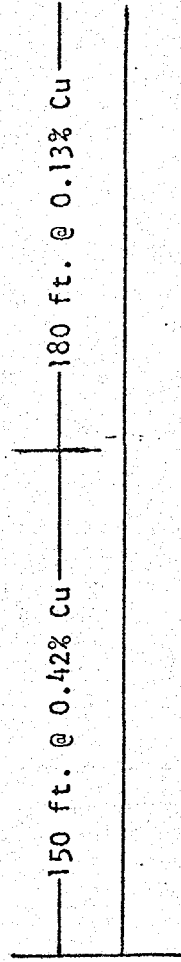


ASSAY RESULTS DRILL HOLE A-2W  
SUPERIOR EAST PROJECT

ASARCO Sample Number	Footage Depth	Footage Interval	Percent Copper	PPM Moly	Weighted Average % Cu	
A-2W-1	4230-4240	10'	Tr	16		
A-2W-2	4240-4250	10'	Tr	23		pCpi &
A-2W-3	4250-4260	10'	Tr	14		masses of Tqm
A-2W-4	4260-4270	10'	Tr	17		
A-2W-5	4270-4280	10'	Tr	21		
A-2W-6	4280-4290	10'	0.01	14		4289 Fault
A-2W-7	4290-4300	10'	Tr	18		Tqm
A-2W-8	4300-4310	10'	Tr	7		
A-2W-9	4310-4320	10'	0.02	24		4317 base oxidation
A-2W-10	4320-4330	10'	0.19	8		pCpi &
A-2W-11	4330-4340	10'	0.72	12		minor Tqm
A-2W-12	4340-4350	10'	0.66	12		with veinlets
A-2W-13	4350-4360	10'	0.32	10		and dissem.
A-2W-14	4360-4370	10'	0.41	10		
A-2W-15	4370-4380	10'	0.25	11		
A-2W-16	4380-4390	10'	0.60	64		
A-2W-17	4390-4400	10'	0.53	15		
A-2W-18	4400-4410	10'	0.38	11		
A-2W-19	4410-4420	10'	0.28	24		
A-2W-20	4420-4430	10'	0.36	9		
A-2W-21	4430-4440	10'	0.30	12		
A-2W-22	4440-4450	10'	0.30	9		
A-2W-23	4450-4460	10'	0.25	11		
A-2W-24	4460-4470	10'	0.37	19		
A-2W-25	4470-4480	10'	0.45	10		
A-2W-26	4480-4490	10'	0.32	15		
A-2W-27	4490-4500	10'	0.67	12		
A-2W-28	4500-4510	10'	0.24	11		
A-2W-29	4510-4520	10'	0.07	10		
A-2W-30	4520-4530	10'	0.13	21		
A-2W-31	4530-4540	10'	0.12	68		end of cc films
A-2W-32	4540-4550	10'	0.08	5		
A-2W-33	4550-4560	10'	0.46	0.0928%		
A-2W-34	4560-4570	10'	0.48	66		
A-2W-35	4570-4580	10'	0.18	122		
A-2W-36	4580-4590	10'	0.55	10		
A-2W-37	4590-4600	10'	0.43	10		
A-2W-38	4600-4610	10'	0.19	11		4613-4622 fault zone
A-2W-39	4610-4620	10'	0.10	3		drop in mineralizati
A-2W-40	4620-4630	10'	0.06	18		Predominantly vein
A-2W-41	4630-4640	10'	0.14	25		mineralization
A-2W-42	4640-4650	10'	0.13	77		
A-2W-43	4650-4660	10'	0.13	8		



A-2W-44	4660-4670	10'	0.25	18
A-2W-45	4670-4680	10'	0.07	18
A-2W-46	4680-4690	10'	0.12	0.0295%
A-2W-47	4690-4700	10'	0.17	0.0257%
A-2W-48	4700-4710	10'	0.10	12
A-2W-49	4710-4720	10'	0.05	10
A-2W-50	4720-4730	10'	0.13	12
A-2W-51	4730-4740	10'	0.30	6
A-2W-52	4740-4750	10'	0.28	14
A-2W-53	4750-4760	10'	0.07	18
A-2W-54	4760-4770	10'	0.09	13
A-2W-55	4770-4780	10'	0.08	15
A-2W-56	4780-4790	10'	0.09	11
A-2W-57	4790-4800	10'	0.20	37
A-2W-58	4800-4810	10'	0.82	26
A-2W-59	4810-4820	10'	0.41	21
A-2W-60	4820-4830	10'	0.26	19
A-2W-61	4830-4840	10'	0.50	8
A-2W-62	4840-4850	10'	0.11	11
A-2W-63	4850-4860	10'	0.19	15
A-2W-64	4860-4870	10'	0.34	32
A-2W-65	4870-4880	10'	0.37	7
A-2W-66	4880-4890	10'	0.63	79
A-2W-67	4890-4900	10'	1.18	24
A-2W-68	4900-4910	10'	0.56	17
A-2W-69	4910-4920	10'	0.07	10
A-2W-70	4920-4930	10'	0.10	13
A-2W-71	4930-4940	10'	0.54	73



4830-4834 fault  
increased sulfides  
& specularite



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

R. B. CRIST  
PROPERTY MANAGER

October 6, 1972

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST PROJECT  
CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of the Agreement dated March 25, 1971, between Continental Copper and ASARCO, we submit Mr. J.D. Sell's Quarterly Report.

Very truly yours,

R.B. Crist

RBC:kre  
Encl.

cc: John Roscoe - w/encl.  
J.J. Collins - w/encl.  
H.E. Kelshaw - w/o encl.  
W.L. Kurtz - w/encl.  
J.D. Sell - w/encl. ✓

AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

October 3, 1972

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
Ending September 30, 1972  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO and Continental Copper, I submit this quarterly report on the exploration work covering the Margaret claims.

No drilling has been accomplished during the quarter. Attachment A of the last quarterly report should be reviewed for total drill information and spacing conducted on the Margaret claim group during the past program.

Unaudited costs for the drilling involved have been compiled and include direct drilling, site preparation, sampling, supervision, administration and miscellaneous costs. These figures are recorded in Table 1 and include both rotary and core drilling and/or clean-up in preparation to drilling.

Table 1

Unaudited Drilling Project Costs

<u>Drill Hole Number</u>	<u>Cost</u>
M-1A	\$ 96,066.86
A-1	55,091.98
DCA-3A	2,375.25
DCA-1A	95,764.28
A-2 & A-2W	<u>126,741.50</u>
Total	\$376,039.87

  
James D. Sell

JDS:lad  
cc: RBCrist



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

R. B. CRIST  
PROPERTY MANAGER

January 5, 1973

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST PROJECT  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, between Continental Copper and ASARCO, we submit the enclosed Quarterly Report.

Very truly yours,

  
R.B. Crist

RBC:kre

Encl: report

cc: W.L. Kurtz w/encl.  
J.D. Sell w/encl. ✓

AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

December 29, 1972

TO: W. L. Kurtz

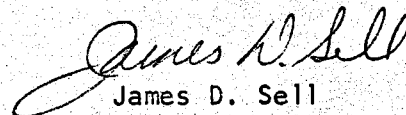
FROM: J. D. Sell

Quarterly Report  
Ending December 31, 1972  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Continental Copper, I submit this quarterly report on the work covering the Margaret claims.

No further drilling has been accomplished during the quarter.

Continued investigation of claim boundaries has been undertaken and a survey of the boundary between the Margaret claims and the patented land of the Pinal Ranch area will be initiated early next quarter.

  
James D. Sell

JDS:Lab

cc: RBCrist



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

R. B. CRIST  
PROPERTY MANAGER

May 10, 1973

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST PROJECT  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, between Continental Copper and ASARCO, I submit Mr. J.D. Sell's Quarterly Report.

This letter will also acknowledge receipt from you of the following documents:

1. Certification that Continental Exploration, Inc. was qualified to do business in Arizona from February 10, 1964 until June 1, 1972.
2. Assignment from Continental Exploration, Inc. to Continental Copper dated February 16, 1973.
3. Quitclaim Deed from Continental Exploration, Inc. to Continental Copper, Inc. as recorded February 27, 1972 in Docket 697, page 222, Records of Pinal County, Arizona.

A re-cap of approximate expenditures to date are as follows:

(minimum \$75,000)	\$250,000	Expended during first year of Agreement (March 25, 1971 thru March, 1972)
(minimum \$50,000)	\$126,000	Expended during first 6 months of second year (April/September, 1972)

Costs during the last six months have not been allocated - those pertaining to claim surveying and road building (October/December, 1972 - January/March, 1973)

Yours very truly,

  
R.B. Crist

RBC:kre  
Encl: Report  
cc: W.L. Kurtz w/o encl.  
J.D. Sell w/o encl. ✓

AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

April 25, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

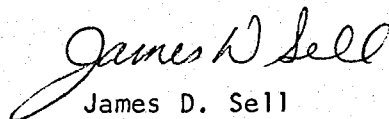
Quarterly Report  
Ending March 31, 1973  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Continental Copper,  
I submit this quarterly report on the work covering the Margaret claims.

No further drilling was accomplished during the quarter.

Surveying of part of the JI Ranch patented land was completed, as  
well as some surveying along the east side of the Margaret claims.

Road building in the eastern central area continues for access in the  
area east and south of drill hole A-2.

  
James D. Sell

JDS:1b

cc: RBCrist





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

R. B. CRIST  
PROPERTY MANAGER

July 6, 1973

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST PROJECT  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, between Continental Copper and ASARCO, I herewith submit Mr. J.D. Sell's Quarterly Report.

Very truly yours,

R.B. Crist

RBC:kre

Encl: Report

cc: W.L. Kurtz w/o encl.  
J.D. Sell w/o encl. ✓

AMERICAN SMELTING AND REFINING COMPANY  
Tucson Arizona

June 28, 1973

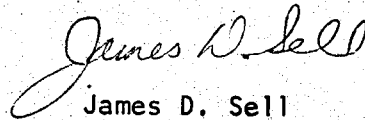
TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
Ending June 30, 1973  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

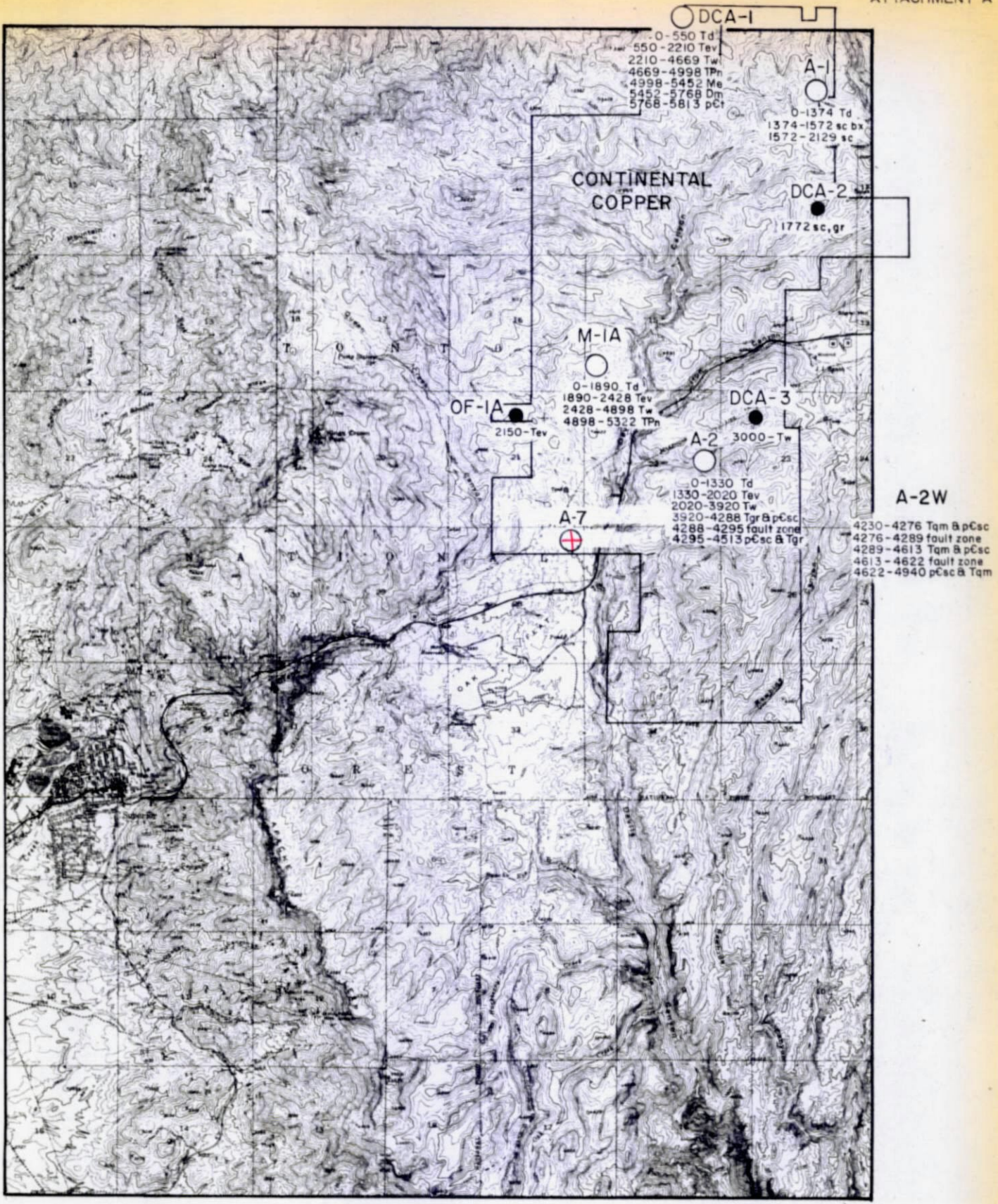
In compliance with the Agreement between ASARCO and Continental Copper, I submit this quarterly report on the work within the Margaret claim block.

Road building east and south of A-2 has been completed. Also, road building and site preparation for drill hole No. A-7 has been completed in the southwest part of the claim block (Attachment A). It is anticipated that drilling on the site will be initiated in the coming quarter.

  
James D. Sell

JDS:lb  
Attach.

cc: RBCrist



EXPLANATION

- Previous drill hole
- ⊕ ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

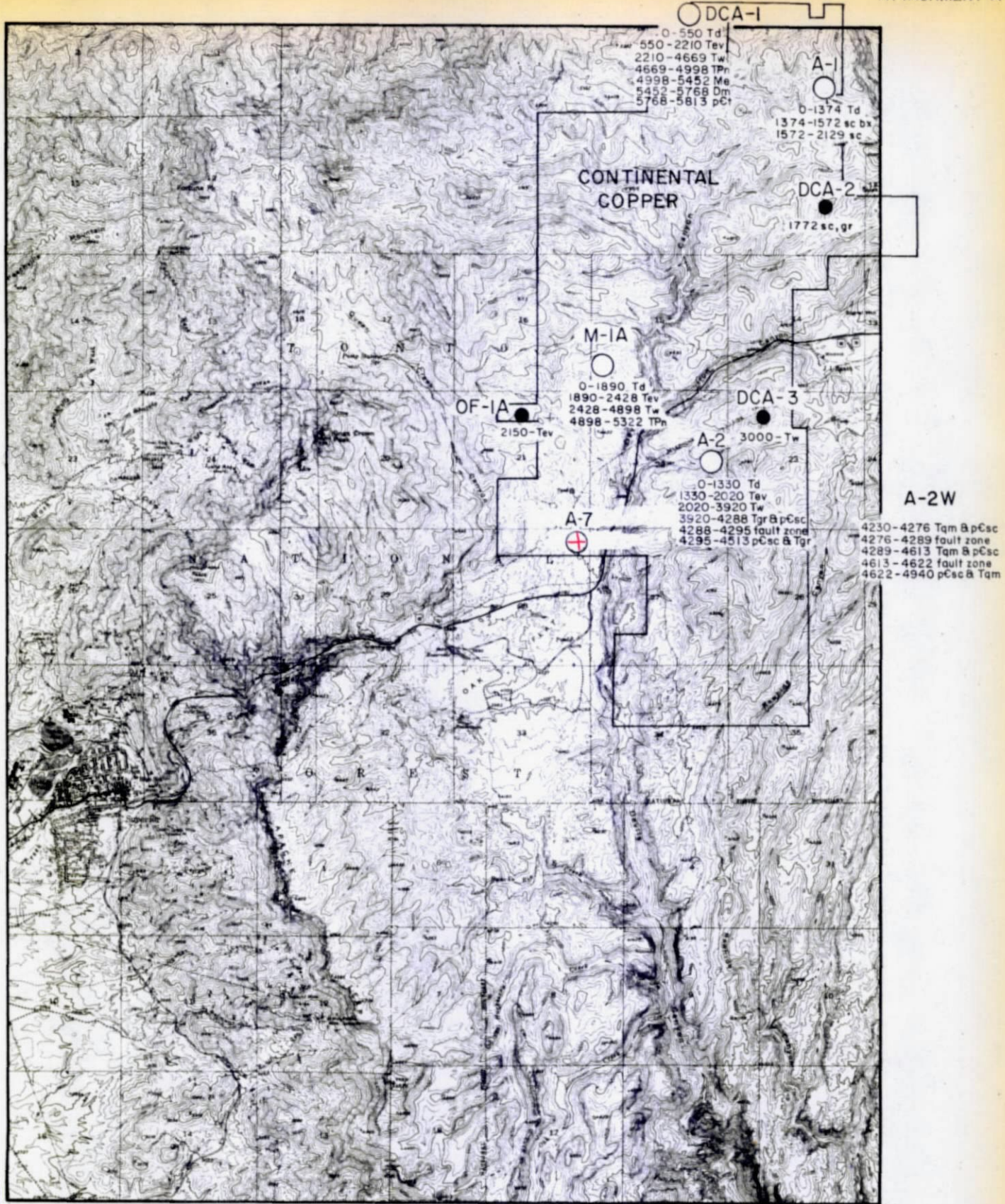
- Td - Dacite
- Tev - Early volcanics
- Tw - Whitetail

PRE-MINERAL ROCK UNIT

- 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*  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

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



EXPLANATION

- Previous drill hole
- ⊕ ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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*  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

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



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

R. B. CRIST  
PROPERTY MANAGER

November 7, 1973

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, between Continental Copper and ASARCO, I herewith submit Mr. J.D. Sell's Quarterly Report.

Very truly yours,

*R. B. Crist*  
R.B. Crist

RBC:kre

Encl: Report

cc: W.L. Kurtz w/o encl.  
J.D. Sell w/o encl.

AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

October 1, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
Ending September 31, 1973  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

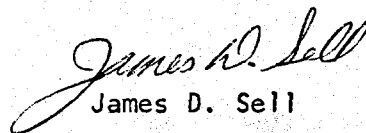
In compliance with the Agreement between ASARCO and Continental Copper, I submit this quarterly report on the work within the Margaret claim block.

After completion of the road work into site A-7, the J. O. Barnes Drilling Company moved on and rotary drilled with high pressure air and later converted to mud drilling to complete the hole to casing point.

The rock unit contacts determined were:

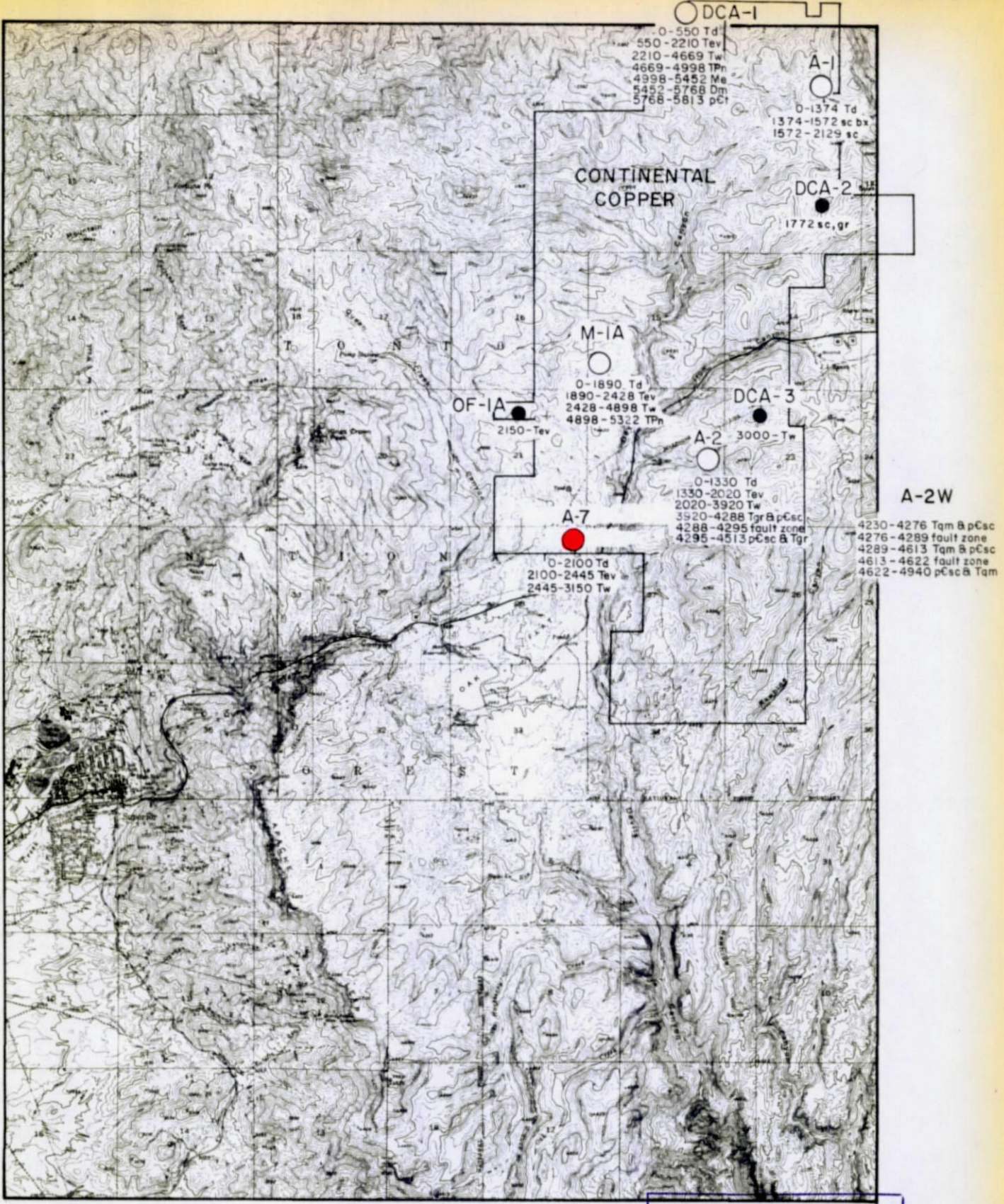
Surface to 2100	Dacite
2100 to 2445	Earlier Volcanics
2445 to 3150	Whitetail Conglomerate

The hole is cased with 4-inch pipe to the depth of 3150 feet and diamond coring will commence at that point. It is anticipated that the core site will be occupied early in 1974.

  
James D. Sell

JDS:lb  
Attach.

cc: RBCrist - w/attach.



DCA-1  
 0-550 Td  
 550-2210 Tev  
 2210-4669 Tw  
 4669-4998 TPn  
 4998-5452 Me  
 5452-5768 Dm  
 5768-5813 pCt

A-1  
 0-1374 Td  
 1374-1572 sc bx  
 1572-2129 sc

CONTINENTAL COPPER

DCA-2  
 1772 sc, gr

M-IA  
 0-1890 Td  
 1890-2428 Tev  
 2428-4898 Tw  
 4898-5322 TPn

OF-IA  
 2150-Tev

DCA-3  
 3000-Tw

A-2  
 0-1330 Td  
 1330-2020 Tev  
 2020-3920 Tw  
 3920-4288 Tgr & pCsc  
 4288-4295 fault zone  
 4295-4513 pCsc & Tgr

A-7  
 0-2100 Td  
 2100-2445 Tev  
 2445-3150 Tw

A-2W  
 4230-4276 Tqm & pCsc  
 4276-4289 fault zone  
 4289-4613 Tqm & pCsc  
 4613-4622 fault zone  
 4622-4940 pCsc & Tqm

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw  
 ↘ Rock type  
 ↘ Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- Tgr-Granite
- TPn-Naco limestone
- Me-Escabrosa limestone
- Dm-Martin lms
- pCt-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*  
**SUPERIOR EAST**  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.



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

R. B. CRIST  
PROPERTY MANAGER

January 10, 1974

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J.D. Sell's Quarterly Report.

Very truly yours,

R.B. Crist

RBC:kre

Encl: Report

cc: W.L. Kurtz w/o encl.  
J.D. Sell w/o encl. ✓



AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

December 28, 1973

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
Ending December 31, 1973  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

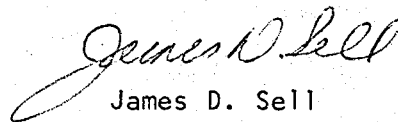
In compliance with the Agreement between ASARCO and Continental Copper, I submit this quarterly report on the work within the Margaret claim block.

Boyles Brothers moved onto A-7 site in late November and successfully commenced coring below the 4" casing set and cemented at 3150 feet. The first core was Whitetail Conglomerate, which had been encountered in the previous rotary drilling at 2445 feet in depth.

The Whitetail is muddy, gritty matrix weakly cementing clasts of Pinal Schist (predominant), Schultze Granite and its equivalents, and very minor quartzite and diabase. Scattered occurrences of native copper in minor quantities have been observed.

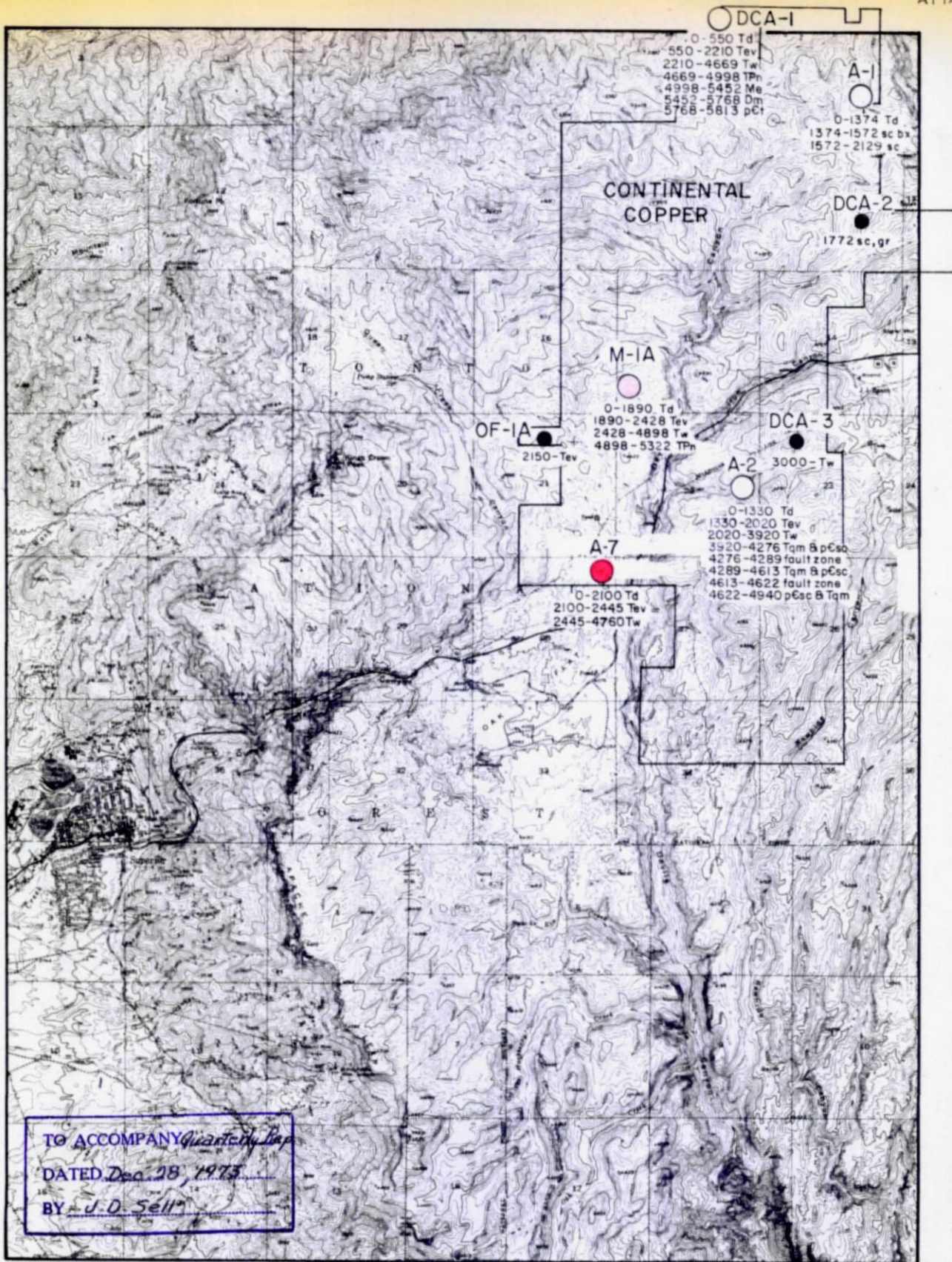
As of Dec. 28th the hole was at 4760 feet in Whitetail Conglomerate.

Estimated expenditures during the quarter are \$34,000.

  
James D. Sell

JDS:lb  
Attach.

cc: RBCrist - w/attach.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- ↘ Rock type
- ↘ Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 *Oct-Nov-Dec, 1975*  
SUPERIOR EAST  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J.D.S.



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

R. B. CRIST  
PROPERTY MANAGER

April 10, 1974

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J.D. Sell's Quarterly Report.

Very truly yours,

R.B. Crist

RBC:vmh

Enc: Report

cc: W.L. Kurtz w/o enc.  
J.D. Sell w/o enc. 5747

AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

April 1, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
Jan.-Feb.-March 1974  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Continental Copper, I submit this quarterly report on the work within the Margaret claim block.

As reported last quarter, Boyles Brothers had occupied the rotary drill hole site A-7 and commenced coring at a depth of 3150 feet in Whitetail Conglomerate. The hole was terminated during the quarter at a depth of 6042 feet.

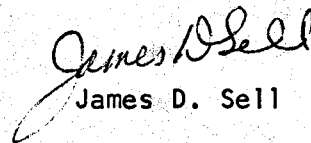
A synopsis of hole A-7 follows (and is listed on the accompanying map):

0-2100	Tertiary Dacite
2100-2445	Tertiary Earlier Volcanics
2445-5610	Tertiary Whitetail Conglomerate
5610-5810	Permian Supai formation
5810-6042	Pennsylvanian Naco Limestone

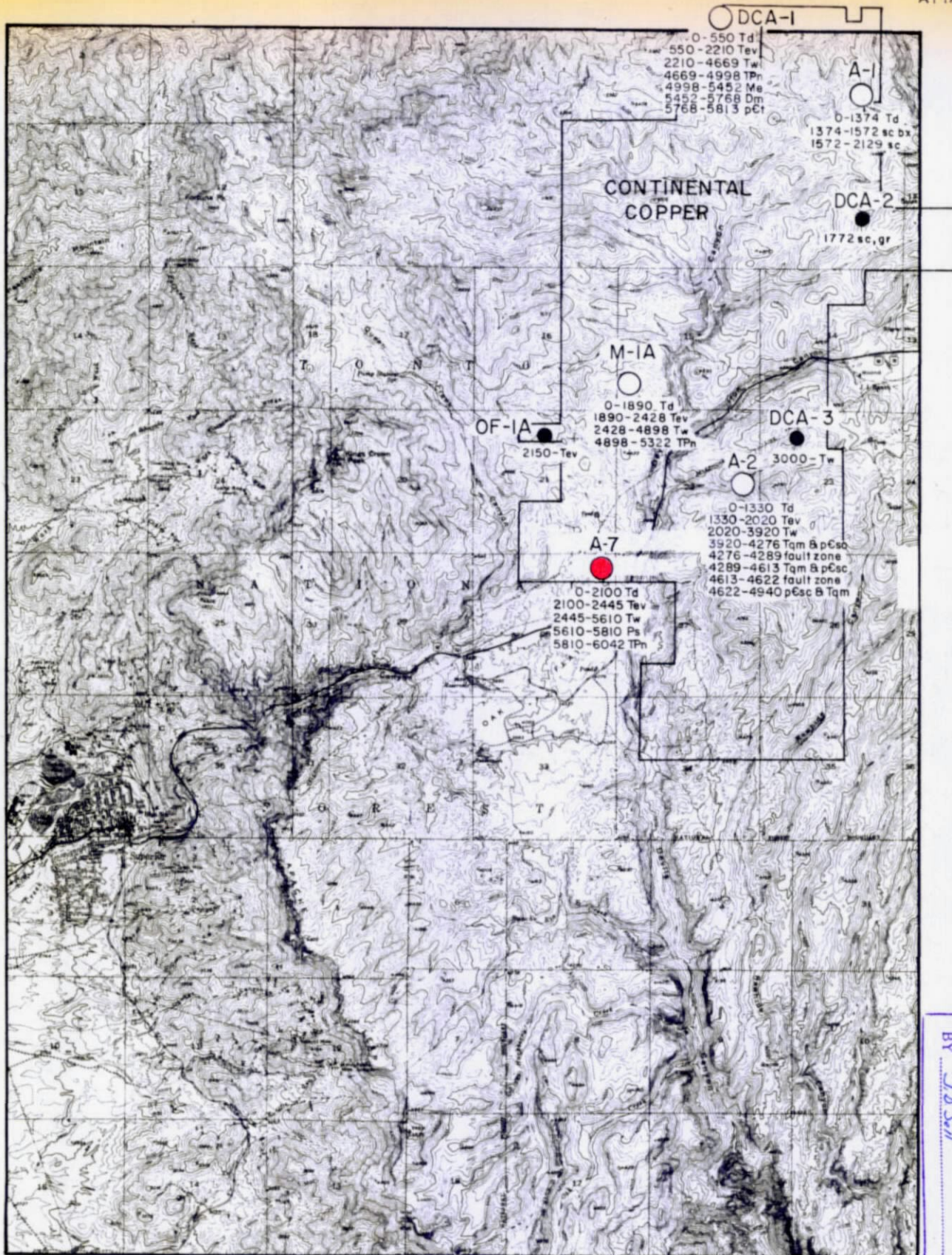
Native copper was noted throughout the Whitetail conglomerate sequence. Samples from both the rotary cuttings and scattered assays in the cored portion suggest the Whitetail from 2445 to 5610 (3165 feet) has 1500 parts per million copper. This value is of the same magnitude as found in drill hole M-1A located to the north.

The underlying Permian units, again on scattered sampling, show somewhat higher geochem results on units showing no apparent alteration or mineralization.

Estimated expenditures during the quarter are in excess of \$65,000.00 for completion of hole A-7.

  
James D. Sell

JDS:1b  
Attach.



TO ACCOMPANY Quarterly Report  
 DATED April 1, 1974  
 BY J.D. Sullivan

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 Jan, Feb, Mar 1974  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J. D. S.



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

R. B. CRIST  
PROPERTY MANAGER

August 1, 1974

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C. H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J. D. Sell's Quarterly Report.

Sincerely yours,

R. B. Crist

RBC:vmh

Enc. Report

cc: W. L. Kurtz w/o Enc.  
J. D. Sell w/o Enc.

AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

June 25, 1974

TO: W. L. Kurtz

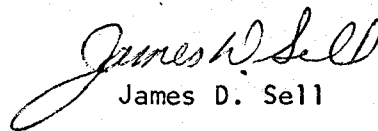
FROM: J. D. Sell

Quarterly Report  
April-May-June 1974  
Continental Copper Company  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Continental Copper Corp., I submit this quarterly report on the work within the Margaret claim block.

Work performed during the quarter consisted of cleaning out the old hole DCA-3 and casing to a depth of 2993 feet with 3-3/4 inch casing. The hole was capped and is awaiting the availability of a core rig. It is anticipated that coring will be initiated in the coming quarter with the hole designated as DCA-3A.

No map is attached to this report (see previous quarter for hole location of DCA-3).

  
James D. Sell

JDS:1b



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

R. B. CRIST  
PROPERTY MANAGER

October 21, 1974

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C. H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J. D. Sell's Quarterly Report.

Sincerely yours,

R. B. Crist

RBC:vmh

Enc. Report

cc: W.L. Kurtz w/o enc.  
J. D. Sell w/o enc.



AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

September 26, 1974

TO: W. L. Kurtz

FROM: J. D. Sell

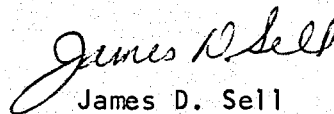
Quarterly Report  
July-Aug.-Sept 1974  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO and Continental Copper Corporation, I submit this quarterly report on the work within the Margaret claim block.

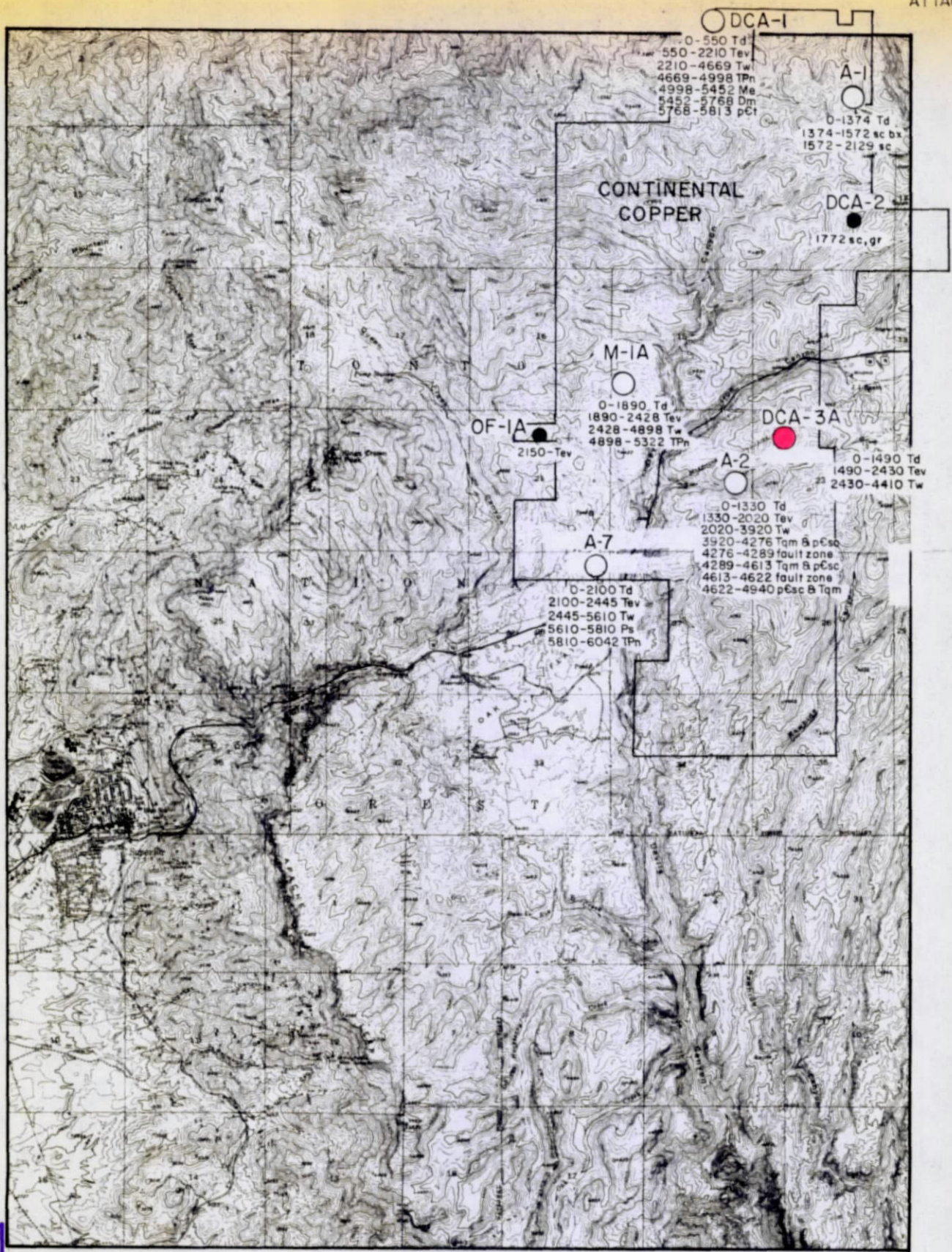
During the quarter, a CP-50 core rig was moved onto the cased DCA-3A hole and coring commenced. Abundant drilling problems have been and continue to plague the drilling. The hole was lost with stuck rods at one point and 188 feet of rods, core barrel and bit unrecovered. The hole was cemented and deviated and continues at NX size.

Synopsis of the hole is found on the attached map. Several blocks of essentially Pinal Schist and/or quartz monzonite have been encountered, but at the present depth of 4410 feet the hole is in typical Whitetail Conglomerate. Bedrock is anticipated shortly.

Geochemical values in the conglomerate (12 samples) average 558 ppm Cu, 47 ppm Pb, 55 ppm Zn, and 15 ppm Mo.

  
James D. Sell

JDS:lb  
Attach.



0-550 Td  
550-2210 Tev  
2210-4669 Tw  
4669-4998 TPn  
4998-5452 Me  
5452-5768 Dm  
5768-5813 pCt

0-1374 Td  
1374-1572 sc bx  
1572-2129 sc

CONTINENTAL  
COPPER

DCA-2  
1772 sc, gr

M-1A

0-1890 Td  
1890-2428 Tev  
2428-4898 Tw  
4898-5322 TPn

DCA-3A

0-1490 Td  
1490-2430 Tev  
2430-4410 Tw

0-1330 Td  
1330-2020 Tev  
2020-3920 Tw  
3920-4276 Tqm & pCsc  
4276-4289 fault zone  
4289-4613 Tqm & pCsc  
4613-4622 fault zone  
4622-4940 pCsc & Tqm

0-2100 Td  
2100-2445 Tev  
2445-5610 Tw  
5610-5810 Ps  
5810-6042 TPn

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 *July-Aug-Sept 1974*  
SUPERIOR EAST  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J.D.S.

TO ACCOMPANY *Drilling Progress*  
*Map*  
DATED *Sept. 26, 1974*  
BY *J.D.S.*



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

R. B. CRIST  
PROPERTY MANAGER

January 6, 1975

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J.D. Sell's Quarterly Report.

Sincerely,

R.B. Crist

RBC:vmh

Enc. Report

cc: W.L. Kurtz w/o enc.  
J.D. Sell w/o enc.

AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

December 30, 1974

TO: W. L. Kurtz

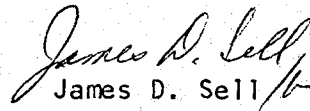
FROM: J. D. Sell

Quarterly Report  
Oct.-Dec. 1974  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

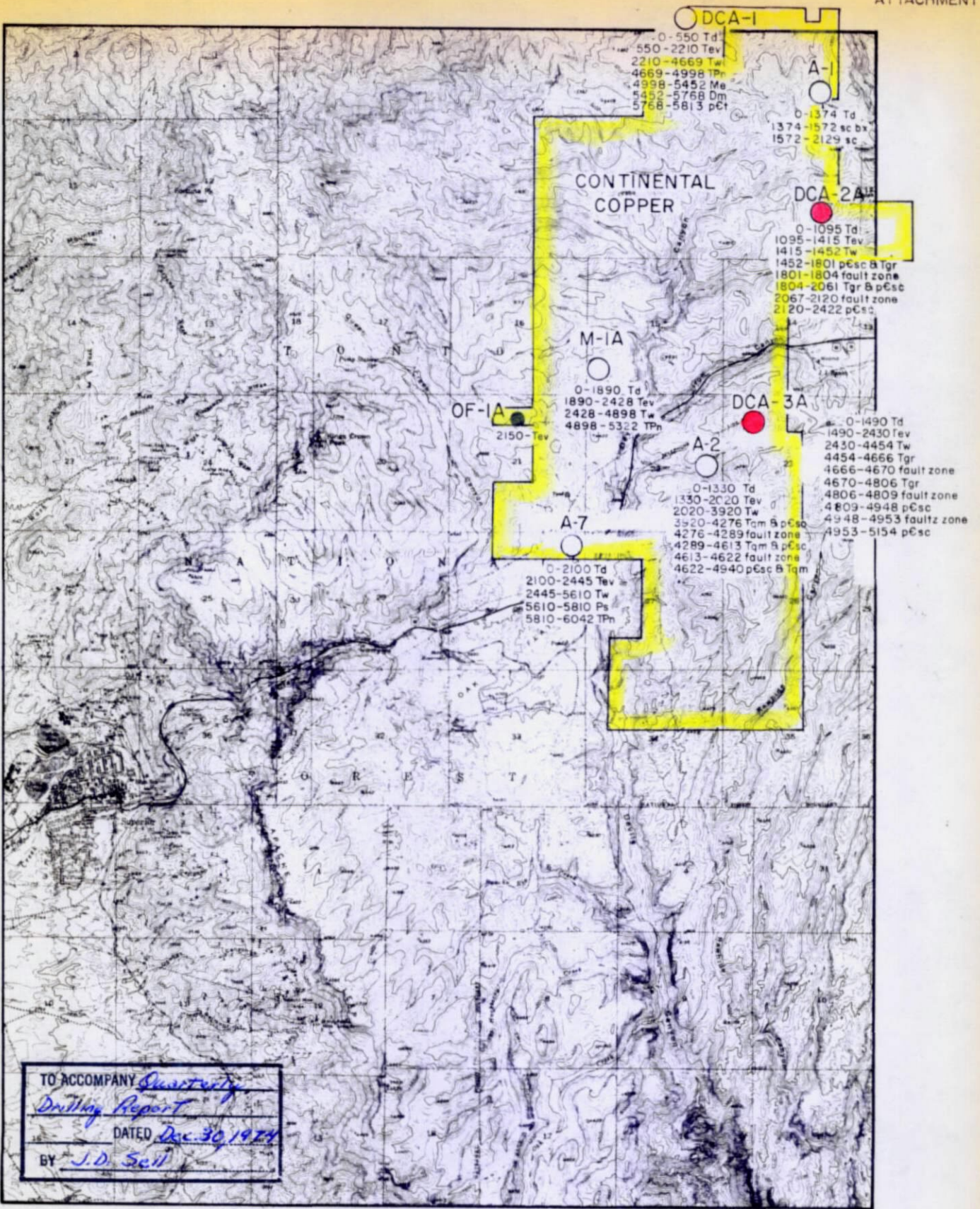
In compliance with the Agreement between ASARCO and Continental Copper Corporation, I submit this quarterly report on the work within the Margaret claim block.

During the quarter, hole DCA-3A was completed to the terminal depth of 5154 feet, as shown on the Attachment A. Minor values were found in the upper oxidized bedrock units (to 4690 ft.) and very low values (average of 523 ppm copper) in the sulfide zone. Alteration features were also of a low magnitude.

Drill hole DCA-2A was cleaned and set with casing, and redrilled from 1352 feet to termination at 2422 feet. Oxidation extended to 1932 feet and contained overall low values (683 ppm copper). Low total sulfides (less than 0.1%) were found below and the visual estimate is low copper values. Geochemical results are pending in the sulfide zone.

  
James D. Sell

JDS:lb  
Attach.



TO ACCOMPANY *Quarterly*  
*Drilling Report*  
 DATED *Dec. 30, 1974*  
 BY *J.D. Seil*

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 *Oct-Dec. 74*  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J. D. S.

AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

January 7, 1975

FILE MEMORANDUM

Kirby Coryell called today for his monthly report of our progress at Superior East. This was verbally given to him — DCA-2 terminated at 2422' in weakly mineralized schist.

Coryell asked to see core from A-2 and A-7. He says their opinion is that they have a legal right, contrary to the opinion of our attorney. He further thinks they have a right to see core from AI-1, but it would probably have to be decided in court.

I asked him what he would give us in return and he said good will!

W. L. Kurtz

WLK:lb

cc: RBCrist  
JDSeil ✓



AMERICAN SMELTING AND REFINING COMPANY

EXPLORATION DEPARTMENT

SOUTHWESTERN UNITED STATES DIVISION

P. O. BOX 5747, TUCSON, ARIZONA 85703

R. B. CRIST  
PROPERTY MANAGER

April 2, 1975

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:

Enclosed please find Mr. Sell's Quarterly Report on our Superior East Project.

Also enclosed is a re-cap of our Drilling Program and costs from its inception.


Sincerely,

  
R.B. Crist

RBC:vmh

Enclosures

cc: W.L. Kurtz w/l enc.

J.D. Sell w/l enc. 

SUPERIOR EAST PROJECT - MARGARET CLAIM GROUP  
 DRILLING EXPENDITURES  
 CONTINENTAL COPPER-ASARCO  
 AGREEMENT OF MARCH 25, 1971

<u>A-2</u>		<u>A-7</u>		<u>DCA-3A</u>	<u>DCA-2A</u>		<u>TOTALS</u>	<u>S/Ft.</u>
<u>From</u>	<u>To</u>	<u>From</u>	<u>To</u>	<u>From</u>	<u>To</u>	<u>From</u>	<u>To</u>	
1/12/72	2/08/72	8/17/73	9/16/73	Old Hole,	1/wk to clean & Case	Old Hole		
2/21/72	3/17/72	11/27/73	2/09/74	7/01/74	10/21/74	10/23/74	12/18/74	
4/18/72	5/18/72Wedge							
	4076'		3150'		2980'		---	
	445 + 710(W)		2892'		2174'		1083'	
							17,919	
							<u>12,855</u>	
							30,774	
\$ 70,102.69		\$ 74,866.38		\$ 25,510.03		\$ ---	\$ 214,665.43	11.98
\$ 20,804.77 +		\$ 81,029.98		\$ 57,922.35		\$ 33,555.59	\$ 381,767.59	29.79
\$ 12,797.63								
\$ 4,016.64		\$ 1,609.51		\$ 725.00		\$ ---	\$ 8,442.07	.47
\$ 120.00 + 160.00		\$ 795.44		\$ 239.20		\$ 93.60	\$ 3,740.21	.29
\$ 1,925.44		\$ 1,020.65		\$ 625.88		\$ ---	\$ 7,391.68	.41
\$ 3,936.15 +		\$ 2,703.21		\$ 4,844.84		\$ 3,767.54	\$ 28,862.56	2.25
1,675.16								
\$ 1,812.20		\$ 50.09		\$ ---		\$ ---	\$ 3,291.04	.18
\$ 5,372.07 +		\$ 2,107.08		\$ 533.12		\$ 114.26	\$ 17,617.79	1.37
\$ 4,018.75								
\$		\$ 210.22		\$ 12.71		\$ ---	\$ 222.93	.01
\$		\$ 740.03		\$ 810.47		\$ 833.27	\$ 2,383.77	.16
<u>\$126,741.50</u>		<u>\$165,132.59</u>		<u>\$ 91,223.60</u>		<u>\$ 38,364.26</u>	<u>\$668,335.07</u>	<u>21.72</u>
\$ 13,707.86		\$ 1,720.20		\$ 2,497.58		\$ 1,554.36	\$ 46,186.22	
\$ ---		\$ ---		\$ 342.92		\$ 264.51	\$ 607.43	
\$ ---		\$ 847.29		\$ ---		\$ ---	\$ 847.29	
\$ ---		\$ ---		\$ 125.24		\$ ---	\$ 125.24	
<u>\$ 13,707.86</u>		<u>\$ 2,567.49</u>		<u>\$ 2,965.74</u>		<u>\$ 1,818.87</u>	<u>\$ 47,766.18</u>	<u>1.55</u>
\$140,449.36		\$167,700.08		\$ 94,189.34		\$ 40,183.13	\$716,151.25	23.27



AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

March 25, 1975

TO: W. L. Kurtz

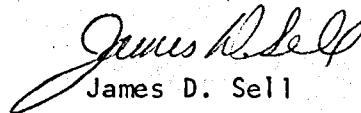
FROM: J. D. Sell

Quarterly Report  
Jan.-March 1975  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

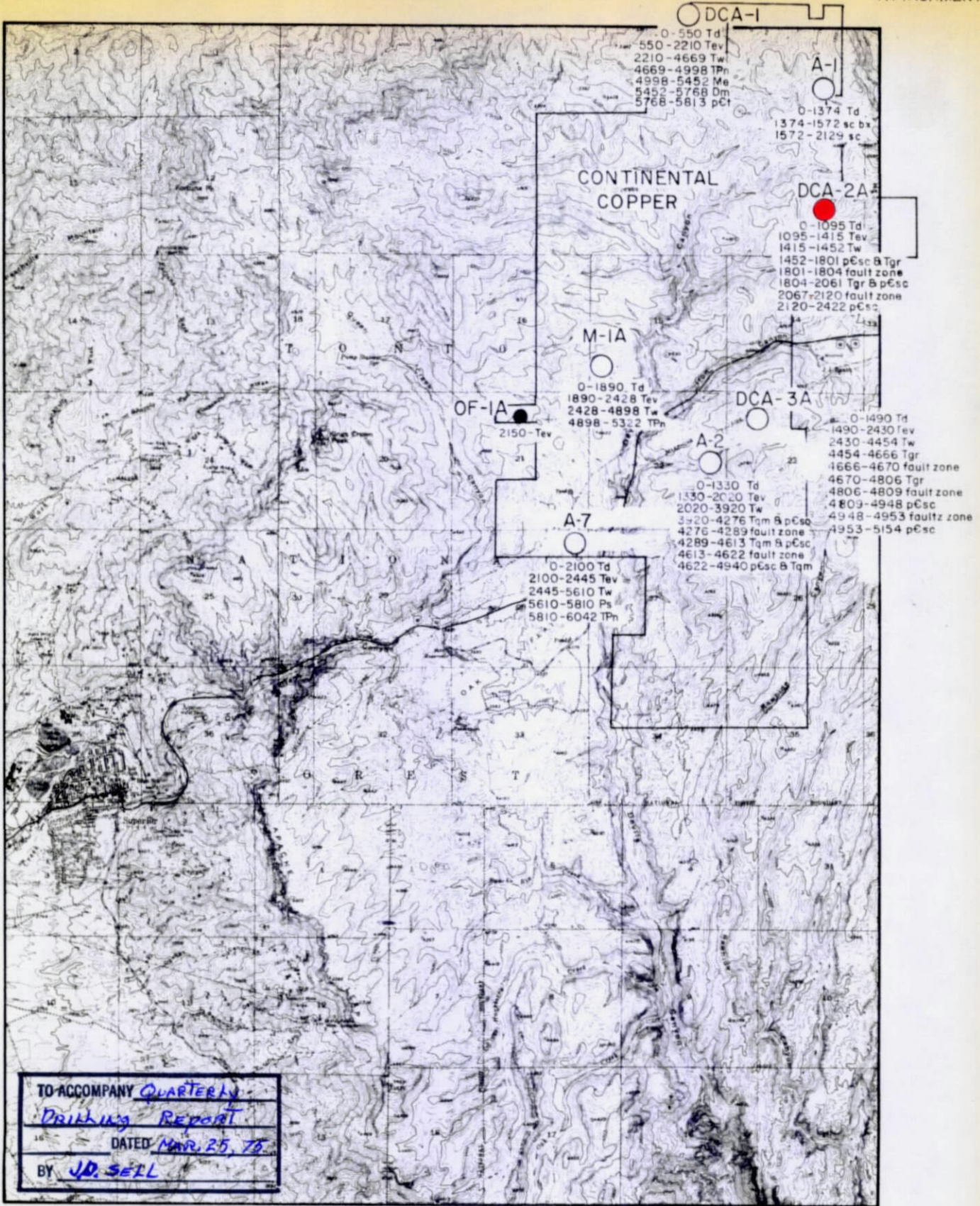
In compliance with the Agreement between ASARCO and Continental Copper Corporation, I submit this quarterly report on the work within the Margaret claim block.

As noted in the last quarter report, drill hole DCA-2A had been terminated at 2422 feet. Bedrock units were oxidized to a depth of 1932 feet and contained 683 ppm copper overall. The sulfide intercept, from 1932 feet to the final depth of 2422 feet, was mainly in Precambrian Pinal Schist with weak alteration and mineralization characteristics. Discontinuous assays (ten feet out of each 100 feet of core) within the sulfide zone averaged 156 ppm copper and 5 ppm moly, verifying the visual estimate submitted last quarter.

Cooksley's geophysical group has initiated a seismic line extending east-west through drill hole A-7 and, as of the end of the month, the data should be recorded and submitted to the computer processing unit. Evaluation of the results will commence upon receipt of the computer printout.

  
James D. Sell

JDS:lb  
Att.



TO ACCOMPANY QUARTERLY  
 DRILLING REPORT  
 DATED MAR. 25, 75  
 BY J.D. SELL

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 JAN-MAR, 1975  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile  
 J.D.S.

## Continental Copper Claims

April 1, 1975

Dates of Drilling - Rotary and Core, Superior East

Drill Hole	Rotary	Core
A-1	April 8 - April 27, 1971	July 14 - August 12, 1971
M-1A	(Previous hole, cased).	April 20 - July 3, 1971
DCA-1A	(Old hole, ± look to clean & case).	November 16, 1971 - February 9, 1972
A-2	January 12 - February 8, 1972	{ February 21 - March 17, 1972 April 18 - May 18, 1972 (Wedge).
A-7	August 17 - September 16, 1973	November 27, 1973 - February 9, 1974.
DCA-3A	(Old hole, ± look to clean & case)	July 1 - October 21, 1974
DCA-2A	(Old hole).	October 23 - December 18, 1974.



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

R. B. CRIST  
PROPERTY MANAGER

April 22, 1975

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

Dear Mr. Reynolds:

Enclosed are two sets of Graphic Logs from Drill  
Holes A-7; DCA-3A and DCA-2A all located on your  
Margaret Claim Group.


This should bring you current on all drill work  
to date.

Sincerely,

  
R.B. Crist

RBC:vmh

Enclosures 2

cc: WL Kurtz w/enc  
JD Sell w/enc 

*Other previously sent include  
2H-1A, DCA-1A, 4A-1*

A-7  
Collar Elev. 4215 ft.

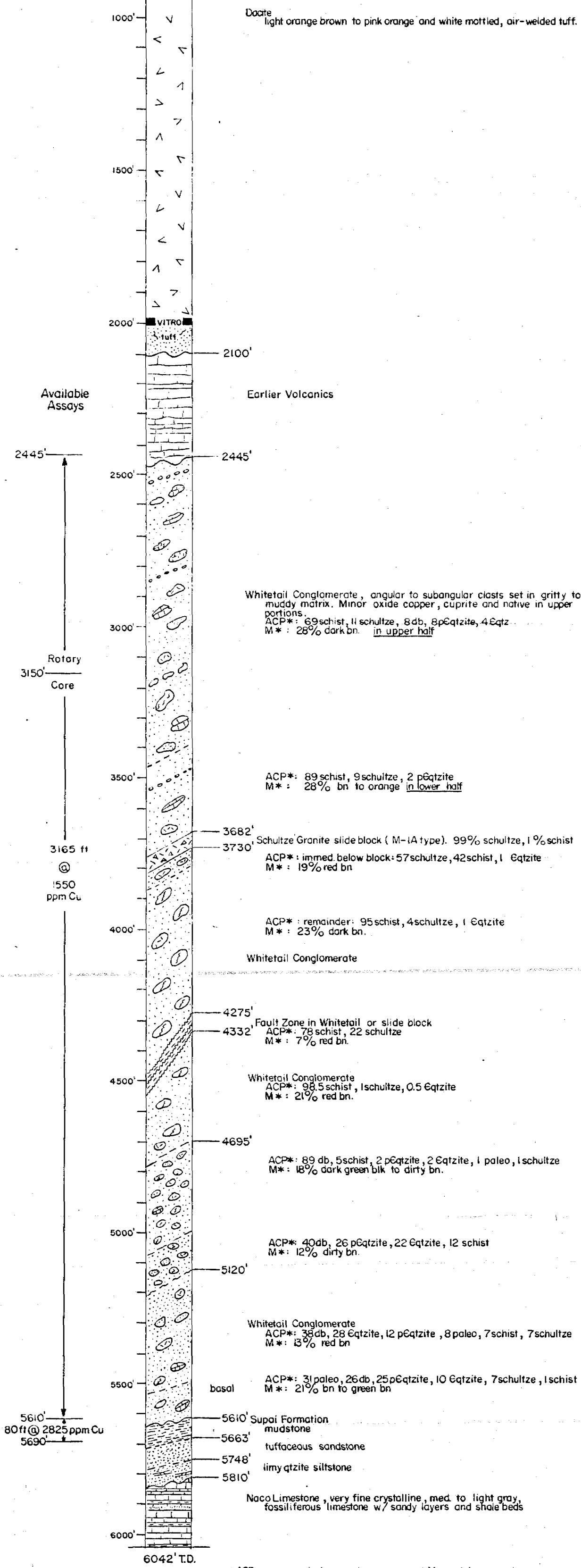
ASARCO DRILL HOLE A-7

ROTARY:

J.O. Barnes, Howard-Turner  
w/air package  
Aug. 17 - Sept. 16, 1973  
Surface - 3150 ft.

CORE:

Boyles, CP-50  
Nov. 27, 1973 - Feb. 9, 1974  
3150 - 6042 ft.



T. I. S., R. 13 E.  
NE 1/4 NE 1/4 NE 1/4 of Sec. 28  
GRAPHIC LOG & ASSAY RESULTS  
of  
**DRILL HOLE A-7**  
**SUPERIOR EAST PROJECT**  
PINAL COUNTY, ARIZONA  
SCALE: 1" = 300'  
J.D.S. April, 1974 MVK 2486-G

**DCA-3A**

Collar Elev. 4640ft.

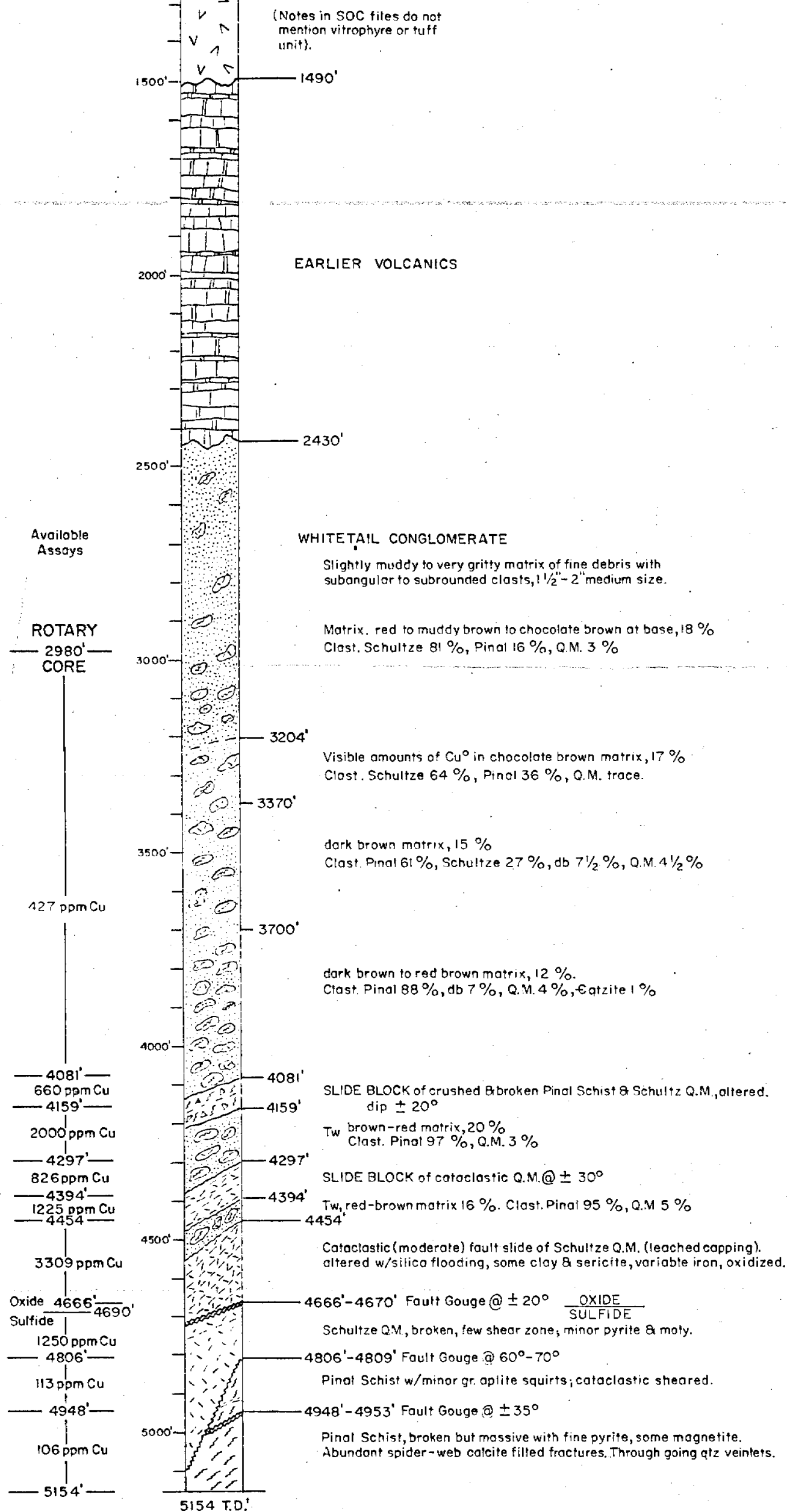
**DRILL HOLE DCA-3A**

**ROTARY** Miami Copper-Superior Oil  
Surface-3000 ft.  
Rotary - mud  
May 7-June 21, 1965

**CORE** ASARCO  
2980-5154 ft.  
Boyles, CP-50  
NX Core  
July 2-October 16, 1974

**NOTE:** Core barrel & rods lost from 4150' to 4338'.  
Hole cemented up to 4089'. A new hole was  
deviated at 4089' and continued to terminal  
depth at 5154'.

Rotary information  
from files of Superior  
Oil Company.



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

**GRAPHIC LOG & ASSAY RESULTS**  
of  
**DRILL HOLE DCA-3A**  
**SUPERIOR EAST PROJECT**  
GILA & PINAL COUNTIES, ARIZONA  
SCALE 1" = 300'

J.D.S.

July 8, 1974

MVK-2486

DCA-2A  
Collar Elev. 4760 ft.

**DRILL HOLE DCA-2A**

ROTARY : Miami Copper-Superior Oil  
Surface-1772 ft  
July 3-12, 1964 (to 1471')  
June 27-July 24, 1965 (to 1772')  
rotary - mud system

CORE : ASARCO  
Wedge at 1339'  
Cored from 1352' to 2422'  
NX to 2080'  
BX to 2422'  
Boyles Brothers  
CP-50  
Nov. 4-Dec. 19, 1974

Rotary  
information  
from files of  
Superior Oil  
Company

Available  
Assays

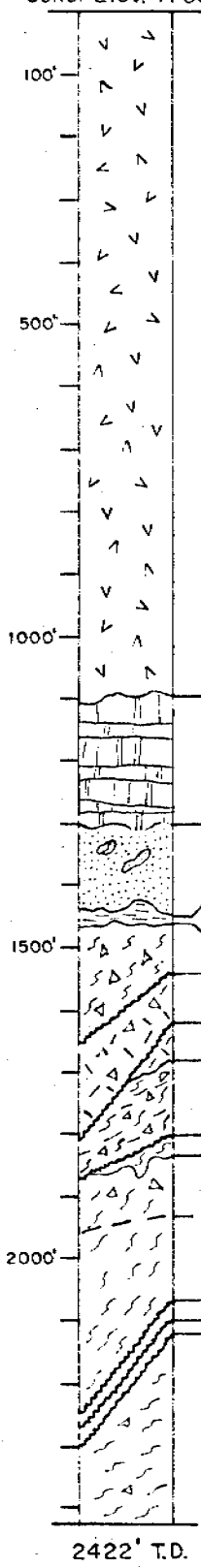
Rotary  
1352'  
Core  
268 ppm Cu  
1452'

823 ppm Cu

Oxide  
Sulfide  
1932'

156 ppm Cu

2422'



DACITE

EARLIER VOLCANICS

WHITETAIL CONGLOMERATE Light brown to green-gray sand & grit,  
with clasts of Pinal & Schultze granite.

RHYOLITE TUFF Yellow-light green, water-lain, air-fall.

PINAL SCHIST Oxidized, weak copper stains, broken-crushed.

SCHULTZE GRANITE Oxidized, broken-crushed.

SCHULTZE GRANITE Minor argillic alteration, minor Fe-stain.

PINAL SCHIST Faulted & crushed @  $\pm 45^\circ$

SCHULTZE GRANITE Fault at top, intrusive into p&sc at base.

PINAL SCHIST Broken, Fe-stain, some Cu oxide.

PINAL SCHIST With few qtz-porphyry dikelets, narrow qtz-sericite with pyrite.

PINAL SCHIST fault zone @  $80^\circ$

PINAL SCHIST Broken in narrow zones, with qtz-sericite & calcite-filled fractures. Minor fine pyrite.

T 1 S, R 13 E  
SE 1/4 NW 1/4 SE 1/4 of Sec. 11

**GRAPHIC LOG & ASSAY RESULTS  
of  
DRILL HOLE DCA-2A**

**SUPERIOR EAST PROJECT**

GILA & PINAL COUNTIES, ARIZONA

J.D.S. SCALE 1" = 300' Jan. 30, 1975

Sent to Continental Copper.

1. Quarterly reports w/ synopsis of units & assays
  2. Oct. 14, 1971 Graphic Log & Assay Results - A-1 -  
" " " " " " - M-1A. -  
costs M-1A, A-1.
  3. April 7, 1972 Graphic Log & Assay Results - DCA-1A -  
Assay Results DCA-1A x  
" " A-2 (partial)
  4. July 7, 1972 Graphic Log & Assay Results - A-2 -  
" " " " " " - A-2W -  
Assay Results A-2 (complete)  
" " A-2W (complete).
  5. Oct. 6, 1972 Unaudited Drilling Costs M-1A, A-1, DCA-3A,  
DCA-1A, A-2, & A-2W.
  - ~~6. April 10, 1974 Surveys~~
  6. April 2, 1975 Review of Drilling Costs A-2, M-1A, DCA-1A,  
A-2 (include w/ hist. on A-2W), A-7, DCA-3A, DCA-2A.
  7. April 22, 1975. Graphic Log & Assay Results A-7 -  
" " " " " " DCA-3A -  
" " " " " " DCA-2A. -
- Complete Assay Results (individual) for <sup>(M-1A) on log</sup> DCA-1A, A-2, A-2W. (A-1 on log).





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

R. B. CRIST  
PROPERTY MANAGER

June 26, 1975

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
ASARCO/CONTINENTAL COPPER

Dear Mr. Reynolds:


In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J.D. Sell's Quarterly Report.

Sincerely yours,

  
R.B. Crist

RBC:vh

Enclosure

cc: W.L. Kurtz w/o enc.  
J.D. Sell w/o enc. 

AMERICAN SMELTING AND REFINING COMPANY  
TUCSON ARIZONA

June 23, 1975

TO: W. L. Kurtz

FROM: J. D. Sell

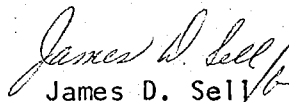
Quarterly Report  
April-June 1975  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the work within the Margaret claim block.

As initiated at the end of the last quarter, Cooksley Geophysical has completed a seismic line east-west through drill hole A-7 across the Margaret claim block. The shot records have been sent for computer compilation, but as of this date no information has been returned.

A recap of our drilling program results and costs was submitted with the last quarter's report and in a separate memo. The information was also discussed with Mr. Reynolds.

No map is attached with this report.

  
James D. Sell

JDS:lb



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

R. B. CRIST  
PROPERTY MANAGER

October 1, 1975

1150 NORTH 7TH AVENUE  
TELEPHONE 602-792-3010

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
CONTINENTAL COPPER/  
ASARCO

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J.D. Sell's Quarterly Report.

Sincerely,

*Bob*  
R.B. Crist

RBC:vh

Enclosure

cc: W.L. Kurtz w/o enc.  
J.D. Sell w/o enc. ✓

ASARCO Incorporated  
Tucson Arizona

September 30, 1975

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
July-September 1975  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the work within the Margaret claim block.

As of this date, the seismic results of work initiated several reports previously have not been received by this office. A conflict of field record and computer rectification of the records has not been resolved nor have the records been interpreted. No date has been set for clearing of the computer compilations.

No map is attached with this report.

*James D. Sell*  
James D. Sell

JDS:1b

# ASARCO

Exploration Department  
Southwestern United States Division  
R. B. Crist  
Property Manager

December 24, 1975

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
CONTINENTAL COPPER/  
ASARCO

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J.D. Sell's Quarterly Report.

Sincerely,

  
R.B. Crist

RBC:vh  
Enclosure  
cc: WLKurtz  
JDSELL

December 16, 1975

TO: W. L. Kurtz

FROM: J. D. Sell

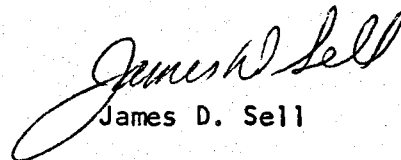
Quarterly Report  
Oct.-Dec. 1975  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the work within the Margaret claim block.

A progress and tentative cross section based on the seismic work has been received, but the final report and sections have not yet been received. The contractor, at last notice, was not pleased with the interpretation and was subjecting the seismograms to continued computer clarification.

Continued progress has been made with Inspiration in regard to the common claim boundary between their claims and the Margaret claims.

No map accompanies this report.

  
James D. Sell

JDS:1b

March 25, 1976

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
Jan.-March 1976  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

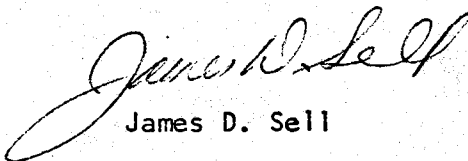
In compliance with the Agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

The agreement between Inspiration claims and the Margaret claims in the northeast sector is nearing final signing.

No other work, except field activity checking, has been done on the claims.

The seismic report has yet to be received.

No map accompanies this report.



James D. Sell

JDS:lb

# ASARCO

Exploration Department  
Southwestern United States Division  
R. B. Crist  
Property Manager

June 29, 1976

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623


SUPERIOR EAST  
CONTINENTAL COPPER/  
ASARCO INCORPORATED

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J.D. Sell's Quarterly Report.

Sincerely,

  
R.B. Crist

RBC:vh  
Enclosure  
cc: FTGraybeal  
JDSell 



# ASARCO

Southwestern Exploration Division

June 28, 1976

TO: F. T. Graybeal

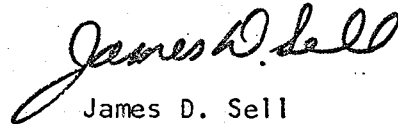
FROM: J. D. Sell

Quarterly Report  
April-June 1976  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

The seismic report of J. R. Cooksley has been received. The line ran east-west through drill hole A-7 and across the Margaret block. The seismic interpretation suggests a bowl shaped to the bedrock surface with about equal slope east and west of a low centered east of Devil's Canyon.

No map accompanies this report.

  
James D. Sell

JDS:lb

ASARCO

Exploration Department  
Southwestern United States Division  
Frederick T. Graybeal  
Manager

September 27, 1976

Mr. C. H. Reynolds  
Continental Copper, Inc.  
Box 662  
Oracle, Arizona 85623

Continental Copper-CanUS, Ltd.  
Agreement, October 1, 1969

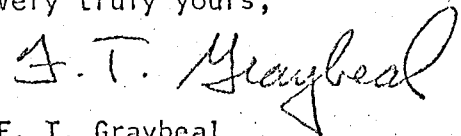
Dear Mr. Reynolds:

With reference to our copy of the letter from Mosley, Wells, Spence, and Dean to Continental Copper, Inc. dated Sept. 15, 1976 and in accordance with the advice of our counsel, I am herewith transmitting to you the following information:

Schlumberger Logs, 1971  
DCA-2 Induction Log  
DCA-2 Formational Density Log  
OF-1A Induction Log  
OF-1A Formational Density Log  
E.M. Field Strength Test, DDH A-2, 1972  
Drill Hole IP Survey, DDH DCA-3A, 1974  
Cooksley Geophysics Seismic Survey, 1976  
Drilling Progress Map 2463-A (Margaret Quarterly Report)  
Graphic Log & Assay Results  
A-1, A-2, A-2W, A-7, DCA-1A, DCA-2A, DCA-3A, M-1A  
Drill Hole Assay Results  
A-1, A-2, A-2W, A-7, DCA-1A, DCA-2A, DCA-3A, M-1A

As per your verbal request of Sept. 23, 1976 we will make the same information available to Mr. Kirby Coryell which he may pick up at our Tucson address. In addition, at his convenience, Mr. Coryell may inspect, but not remove, the core obtained from all holes mentioned in the above list.

Very truly yours,



F. T. Graybeal

FTG:lb  
Encs.

bc: TCO, WLK, RBC, JDS

# ASARCO

Exploration Department  
Southwestern United States Division  
R. B. Crist  
Property Manager

September 29, 1976

Mr. C.H. Reynolds  
Continental Copper, Inc.  
P.O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
CONTINENTAL COPPER/  
ASARCO INCORPORATED

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25, 1971, I herewith submit Mr. J.D. Sell's Quarterly Report.

Sincerely,

  
R.B. Crist

RBC:vh  
Enclosure  
cc: FTGraybeal  
JDSe11

# ASARCO

Southwestern Exploration Division

September 28, 1976

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
July-September 1976  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

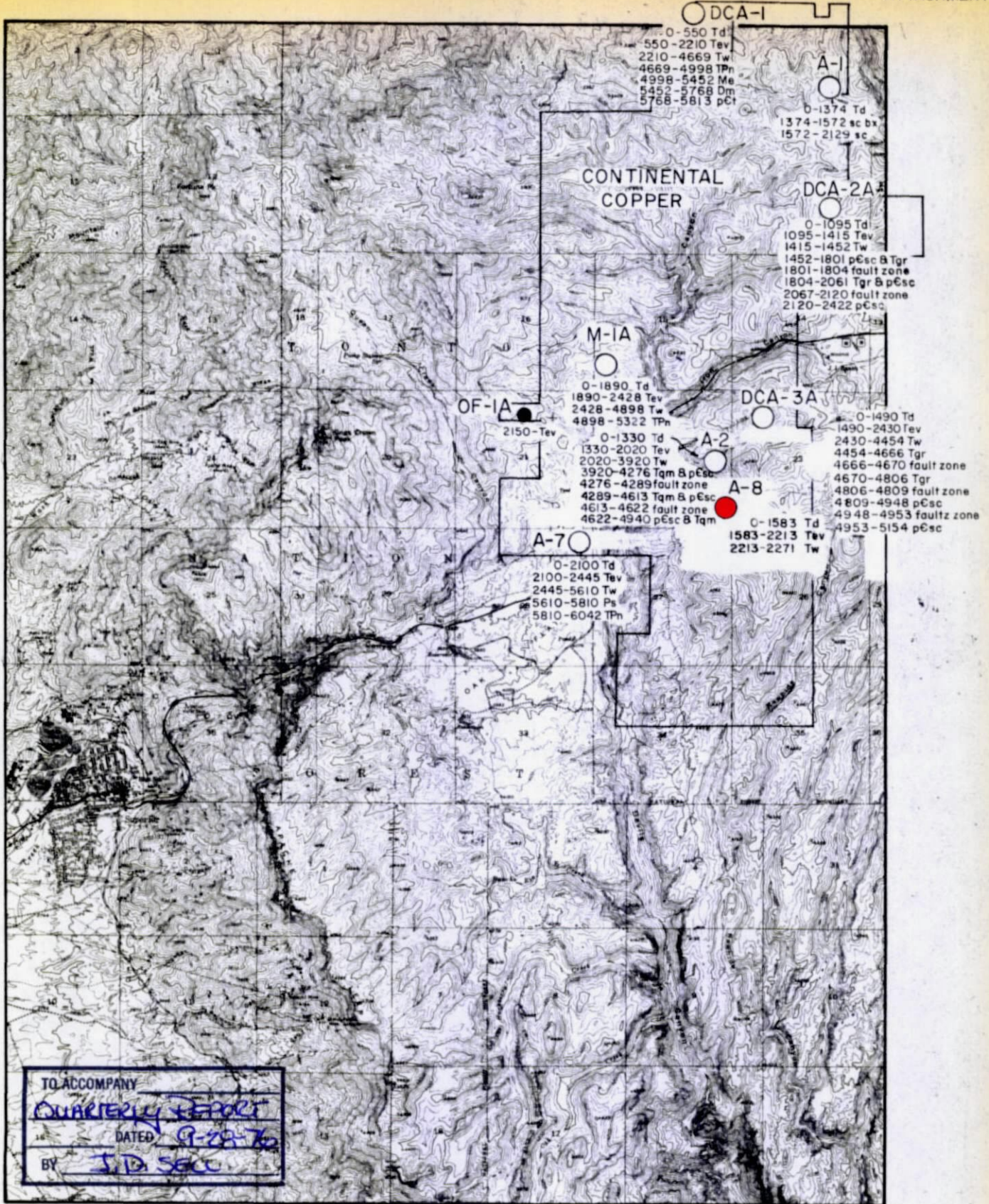
Work during the quarter consisted of revamping the road east of Devils Canyon and building a road to drill site A-8. Coring was initiated from the surface using an unmodified Joy 22 contracted by Joy Manufacturing Co. Synopsis of the hole is shown on the attached map as follows:

Surface-1583 Dacite with basal vitrophyre and tuff  
1583-2213 Earlier Volcanics  
2213-2271 Whitetail Conglomerate

The hole was cored NC to a depth of 1971 feet where NX casing was set. A Joy 22 Heavy Duty rig moved onto the hole and drilled NX to the present depth.

*James D. Sell*  
James D. Sell

JDS:1b  
Att.



**EXPLANATION**

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw  
 ↘ Rock type  
 ↘ Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 6-9, 1976  
**SUPERIOR EAST**  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

# ASARCO

Exploration Department  
Southwestern United States Division  
R. B. Crist  
Property Manager

December 29th, 1976.

Mr. C. H. Reynolds  
Continental Copper, Inc.  
P. O. Box 662  
Oracle, Arizona 85623

SUPERIOR EAST  
CONTINENTAL COPPER/  
ASARCO INCORPORATED

Dear Mr. Reynolds:

In accordance with Article 5, Paragraph 5 of our Agreement dated March 25th, 1971, I herewith submit Mr. J. D. Sell's Quarterly Report.

Sincerely,



R. B. Crist.

RBC:jlh  
encls  
c.c. F.T.Graybeal  
J.D.Sell ✓

December 22, 1976

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
October-December 1976  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Joy continued to core A-8 during the quarter and as of the end of the reporting period had reached a depth of 4767 feet. They have been coring BX size from 3197 feet. Synopsis of the hole is shown on the attached map as follows:

Surface-1583	Dacite with basal vitrophyre and tuff
1583-2213	Earlier Volcanics
2213-3226	Whitetail Conglomerate
3226-3774	Precambrian Pinal Schist with dikes and sills of Laramide granite aplite
3774-3777	Fault Zone
3777-4767	Pinal Schist with dikes and masses of Laramide biotite feldspar porphyry

The Premineral rock units from 3226 to a depth of 3879 have been weakly altered and mineralized and are totally oxidized and leached. Remnant geochemical values through the interval suggest values of 204 ppm Cu, 29 ppm Pb, 31 ppm Zn, and 20 ppm Mo.

Below 3879 the rocks are variably altered with quartz-sericite bands containing veins and disseminations of copper sulfides. Also cutting the units are a number of quartz veins containing massive vein sulfides of copper with minor pyrite. The alteration and sulfide mineralization of plus 0.50% copper continues to a depth of 4525 feet. The total footage of 646 feet averages 1.57% copper with the contained seven quartz-sulfide veins aggregating 93 feet of 7.06% copper and the aggregate wallrock of 553 feet averaging 0.64% copper.

Below 4525 feet the copper values decrease and no vein zones have been cut. Available assays to 4730 feet suggest this zone of 205 feet will average 0.19% copper. Drilling continues to probe for further veins.

Other elements indicate very low values on scattered samples within the quartz-sulfide veins and the wallrock: Pb 25 ppm, Zn 22 ppm, Mo 31 ppm, Au 0.004 oz/ton, and Ag 0.23 oz/ton.

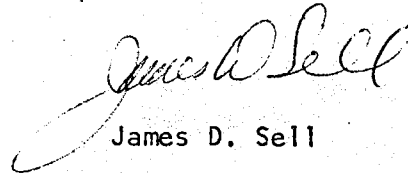
F. T. Graybeal

- 2 -

December 22, 1976

A hole deviation-temperature survey was made in the hole and at a depth of 4440 feet the bottom of the hole was 78 feet east and 32 feet north of the collar with a temperature of 131°F.

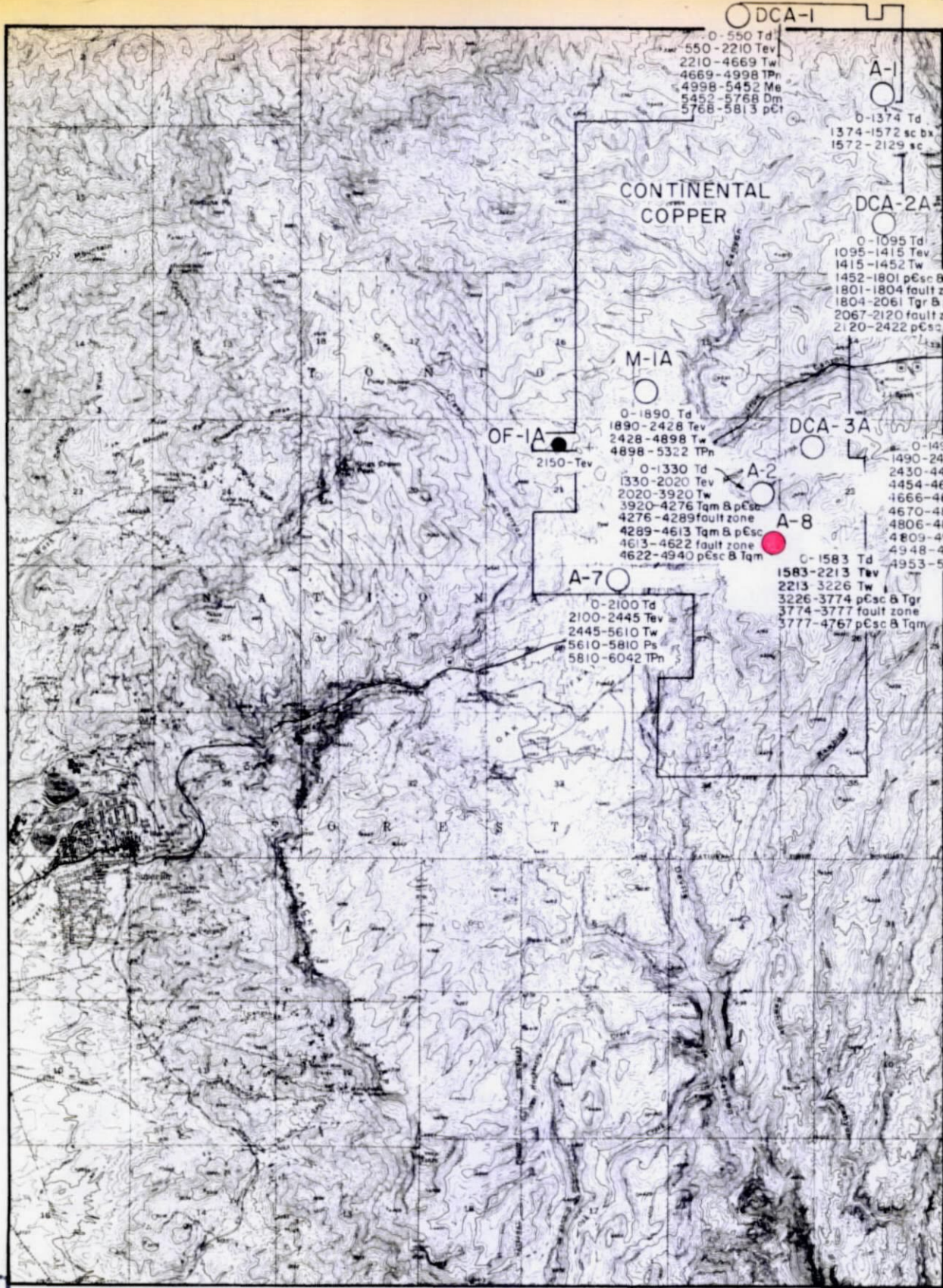
A drill pad application is being submitted to the Forest Service.



James D. Sell

JDS:1b





EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-I (hole designation)
- 40|| Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 10:11:12/76

SUPERIOR EAST

GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J.D.S.

TO ACCOMPANY Quarterly Report  
DATED Dec. 23, 1976  
BY J.D. Sell

March 24, 1977

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
January-March 1977  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Joy completed hole A-8 to the terminal depth of 4907 feet. The continuation of the synopsis from last quarter follows and is shown on the attached map.

4767-4907 Precambrian Pinal Schist with minor quartz-sericite alteration bands and weak quartz-pyrite-chalcopyrite mineralization.

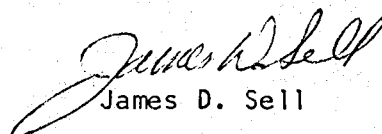
Assays of three intervals in this portion ran between 0.06 and 0.11 percent copper with correspondingly low geochemical values of lead, zinc, moly, gold, and silver. The graphic-assay log of hole A-8 is attached.

A new drill site was authorized by the Forest Service alongside the access road. The site, some 800 feet northeast of A-8, has been designated as hole A-9 and is shown on the attached map. Due to crowding of the map, only the site and number are shown.

Hole A-9 was cored NC from the surface to 2357 feet; cored NX from 2357 to 3624 feet; and is continuing BX core. Synopsis of the hole is as follows:

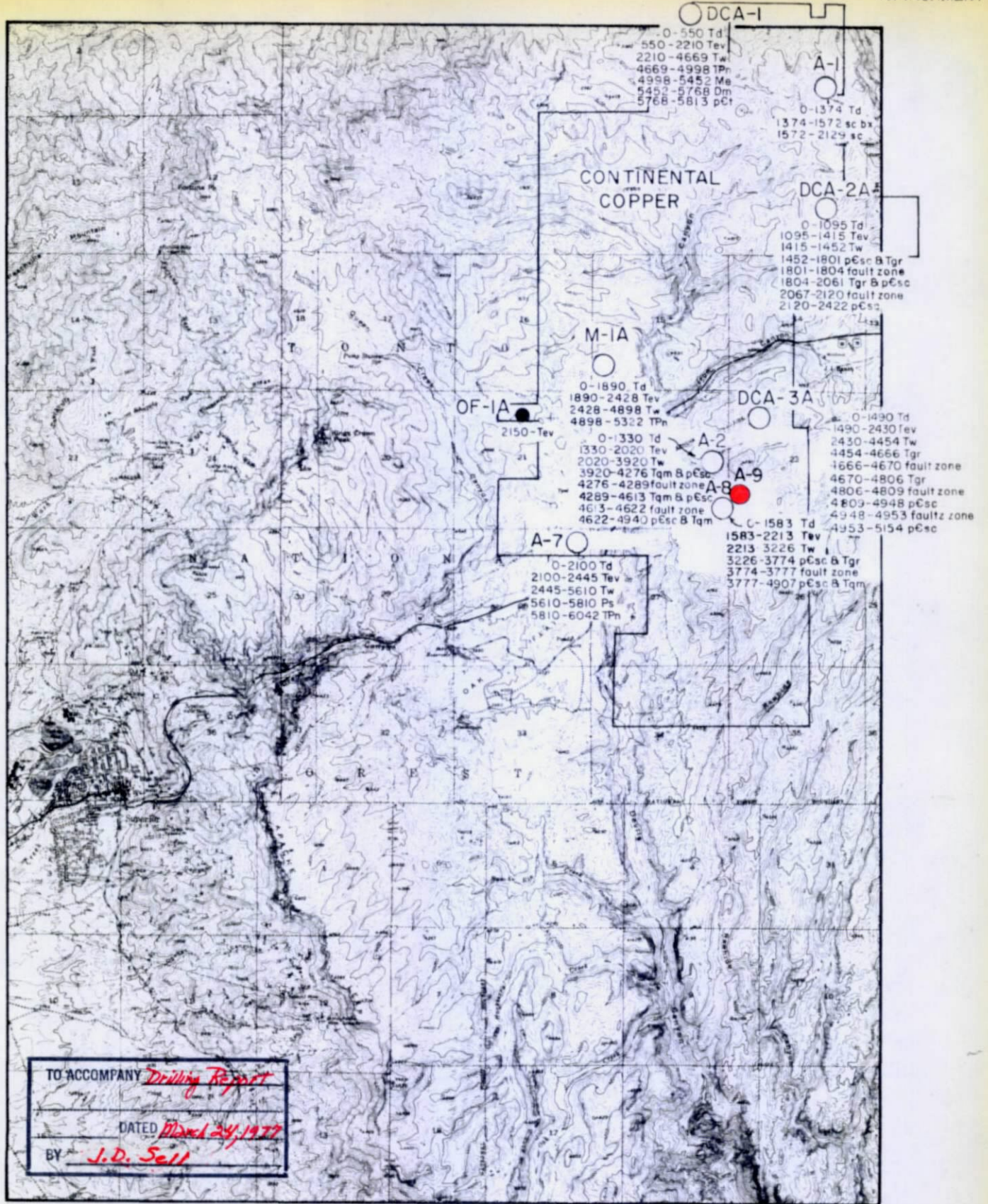
Surface-1478	Dacite
1478-2194	Earlier Volcanics
2194-3275	Whitetail Conglomerate
3275-3682	Pinal Schist and minor qtz monzonite, all crushed, oxidized
3682-3693	Fault zone
3693-3760	Pinal Schist, totally oxidized

The core has not been split for any trace element determination.

  
James D. Sell

JDS:lb

Atts: Drilling Progress Map  
Graphic Log of Hole A-8



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 Jan, Feb, + March 1977  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

**A-8**

Collar Elev. 4680'

**ASARCO DRILL HOLE A-8**

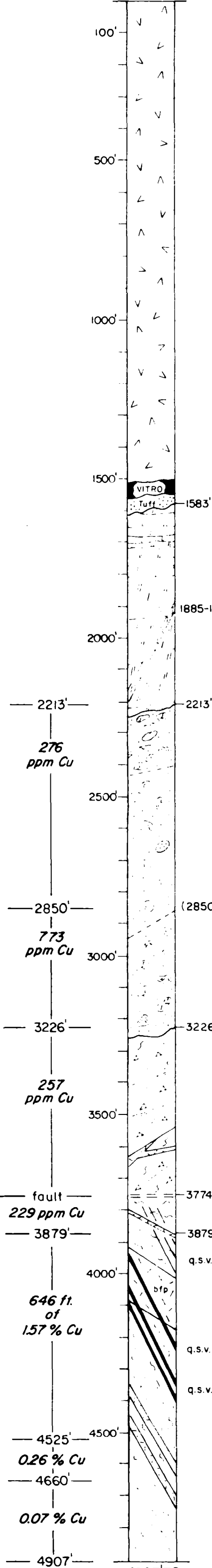
**CORE:** Surface-1971' NC  
1971-3197' NX  
3197-4907' BX

Joy Manufacturing Co.  
Joy-22  
Surface-1971'  
Aug. 8 - Sept. 15, 1976

Joy-22 Heavy Duty  
1971-4907' T.D.  
Sept. 16 - Dec. 29, 1976

DACITE

**NOTE:** Casing left in hole.  
11 ft. of 4" surface (0-11')  
523 ft. of NX (1448-1971')  
697 ft. of BX (2500-3197')



**EARLIER VOLCANICS**

Andesite-basalt flows of 15-50' thickness with rubble and/or oxidized tops.

1885-1916' Cross fault zone @ 70'

**WHITETAIL CONGLOMERATE**

Sandy to gritty lenses and matrix with tuffaceous lenses, with clasts of pre-Whitetail units. Minor Cu<sup>o</sup>.

2213-2400' Muddy light brown to light green matrix 42%. Clasts: 95% sc, 5% pCqtzite.

2400-2850' Medium green to green-brown matrix 30%. Clasts: 77% sc, 21% db, 2% pCqtzite.

2850-3226' Medium brown to red-brown at base, matrix 25%. Clasts: 66% sc, 20% db, 13% Schultze and porphyry, 1% pCqtzite, tr. Tbx. (numerous alt. clasts)

**SLIDE BLOCK of Pinal Schist intruded by Laramide granitic aplite.**

Altered and hematite replaced schist breccia, with minor gouge and "matrix" zones. Oxidized with tr. Cu<sup>o</sup> (Leached Capping).

3774-3777' Basal fault and gouge zone, oxidized, slickensides. @ 15°-20°

**PINAL SCHIST, cut by Laramide biotite feldspar porphyry (Lbfp)**

Top portion oxidized with FeOx and containing remnant chalcocite in quartz-sericite alteration.

Lbfp at 3879-3885' is a 30° dipping structure with gouge at top and bottom.

Sulfide zone is variably altered with quartz-sericite bands following schistosity at 10°-20° and cut across at 30°-60°. Bands also cut Lbfp.

Mineralization, disseminated and thin veins, follow schistosity and cut across at 60°. Most quartz-sulfide veins (q.s.v.) cut at 60°. Chalcocite is main copper sulfide to 3958 where bornite appears and becomes dominant below with continued chalcocite.

Schist contains numerous crushed-gouge zones with chalcocite-bornite.

Minor pyrite throughout with trace of chalcopyrite appearing at bottom of hole.

**NOTE:** Individual assays are found in Assay Report dated Feb. 10, 1977.

T. I. S., R. 13 E.  
NW 1/4 SW 1/4 SW 1/4 of Sec. 23

**GRAPHIC LOG & ASSAY RESULTS**

of

**DRILL HOLE A-8**  
**SUPERIOR EAST PROJECT**  
**PINAL COUNTY, ARIZONA**  
**SCALE 1"=300'**

TO ACCOMPANY
DATED
BY

J.D.S.

Feb. 1977  
MVK 2486-K

# ASARCO

Exploration Department  
Southwestern United States Division  
R. B. Crist  
Property Manager

June 30th, 1977.

Continental Copper Corporation  
P. O. Box 662  
Oracle, Arizona 85623

Attention: Mr. C. H. Reynolds

Superior East Project  
Continental Copper/  
ASARCO Incorporated

Dear Mr. Reynolds:

Enclosed please find Mr. Sell's quarterly report on the Margaret Group of claims, Pinal County, Arizona.

Very sincerely,

  
R. B. Crist.

RBC:jlh  
encls  
c.c. F.T.Graybeal  
J.D.Sell

June 10, 1977

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
April-June 1977  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Joy Drilling continued hole A-9 with BX core to the terminated depth of 4903 feet. Continued synopsis of the hole is as follows:

- 3760-3693 Pinal Schist, oxidized, with flat basal fault.
- 3693-4044 Pinal Schist with minor granite aplite dikes. Totally oxidized.
- 4044-4527 Pinal Schist with minor quartz monzonite and biotite quartz porphyry. Cut by a number of quartz sulfide veins with variable sulfide copper in veins and in the wall rock.
- 4527-4903 As above with decreasing amount of copper in narrow veins and in wall rock.

Assay results are attached, along with the graphic-assay log.

Hole A-10 was collared some 850 feet westerly from A-8 and as of the end of the quarter was at a depth of 2647 feet. Synopsis of the hole is as follows:

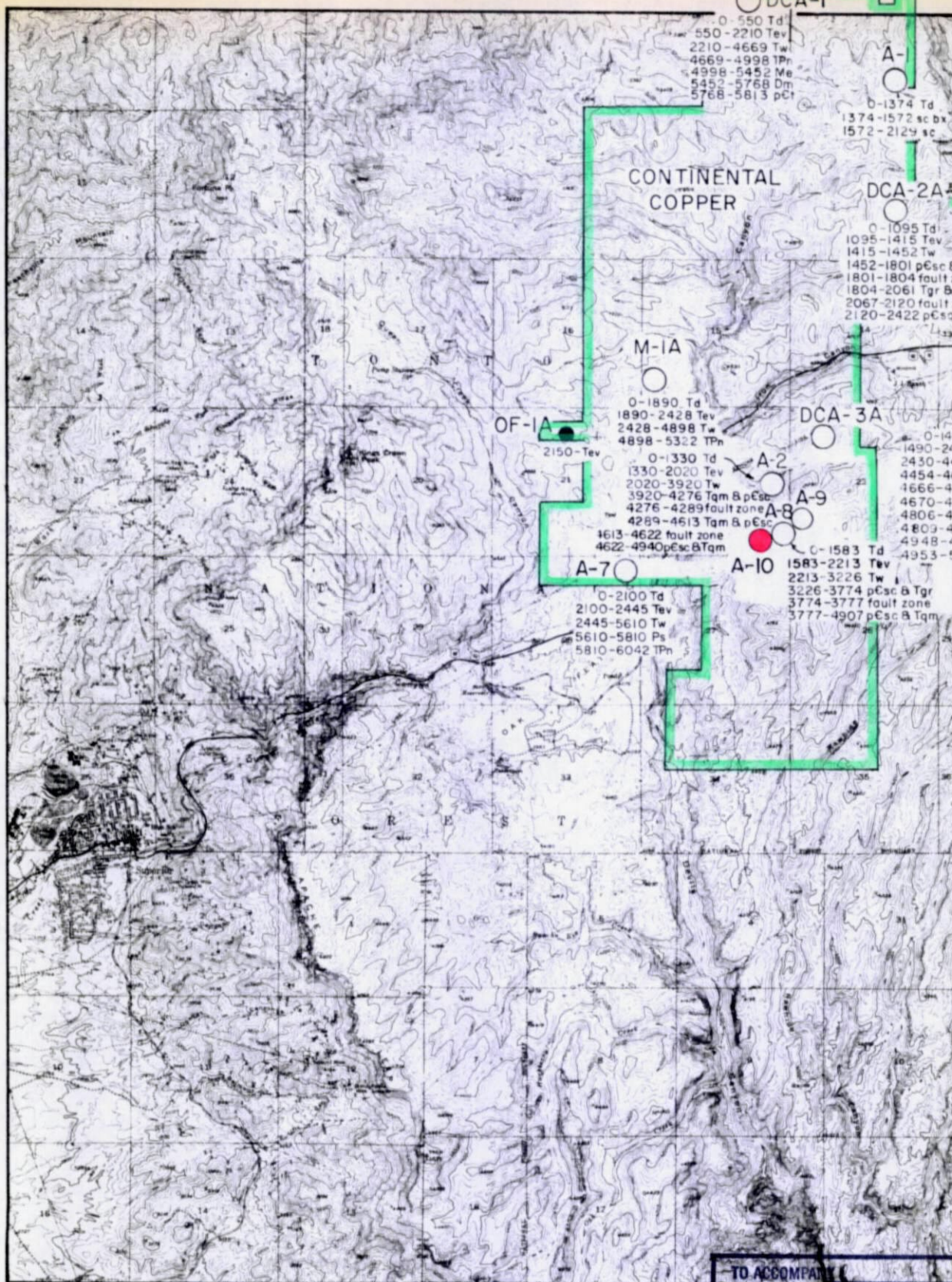
- Surface-1599 Dacite
- 1599-2138 Earlier Volcanics
- 2138-2647 Whitetail Conglomerate

The hole was cored NC to a depth of 2437 feet, with NX coring to the present depth.

*James D. Sell* /  
James D. Sell

JDS:1b

Atts: Drilling Progress Map  
Graphic Log of Hole A-9  
Assay-footage list, hole A-9



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

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

TO ACCOMPANY  
*2nd Quarterly Report*  
 DATED *6-10-77*  
 BY *J.D. Sell*

DRILLING PROGRESS MAP  
 for the quarter of *Apr., May, June, 1977*

SUPERIOR EAST

GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J. D. S.

September 26, 1977

TO: F. T. Graybeal

FROM: J. D. Sell

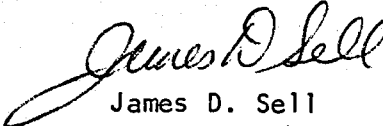
Quarterly Report  
July-September 1977  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between Asarco and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Joy Drilling continued hole A-10, coring NX size from 2647 feet (end of last quarter) to the depth of 3417 feet. BX core continued to 3571 feet where the drilling was suspended. Continued synopsis of the hole is as follows:

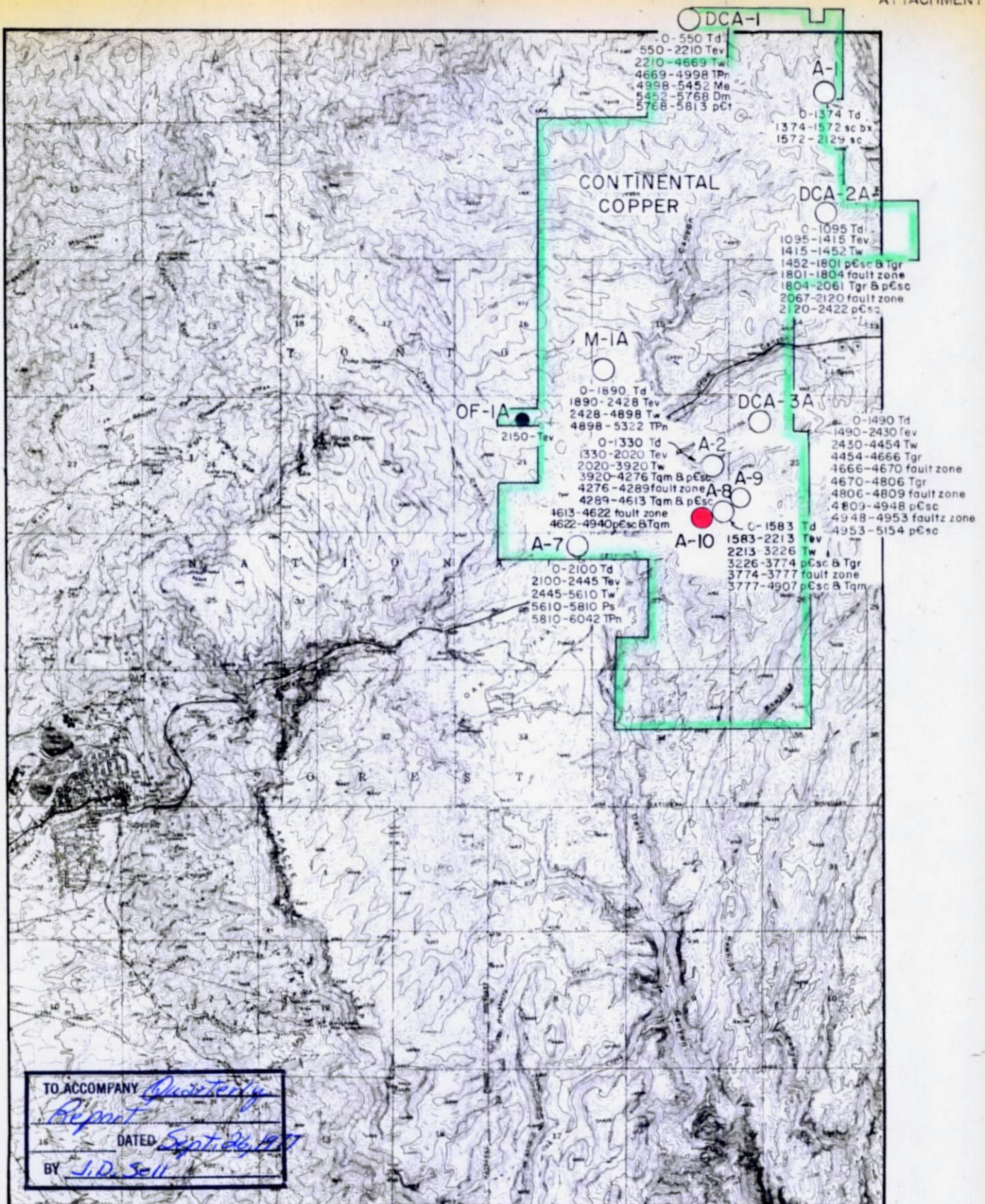
2647-3375	Whitetail Conglomerate
3375-3405	Pinal Schist with Schultze Granite, all broken in a brick-red matrix (15-25%), totally oxidized with weak iron stain.
3405-3406	Fault gouge
3406-3571	Pinal Schist cut by quartz feldspar porphyry dikes, all oxidized with variable crushing, breccia zones, and gouge zones containing variable iron oxides.

The core has not been split for any trace element determination.

  
James D. Sell

JDS:lb  
Att: Drilling Progress Map





**EXPLANATION**

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

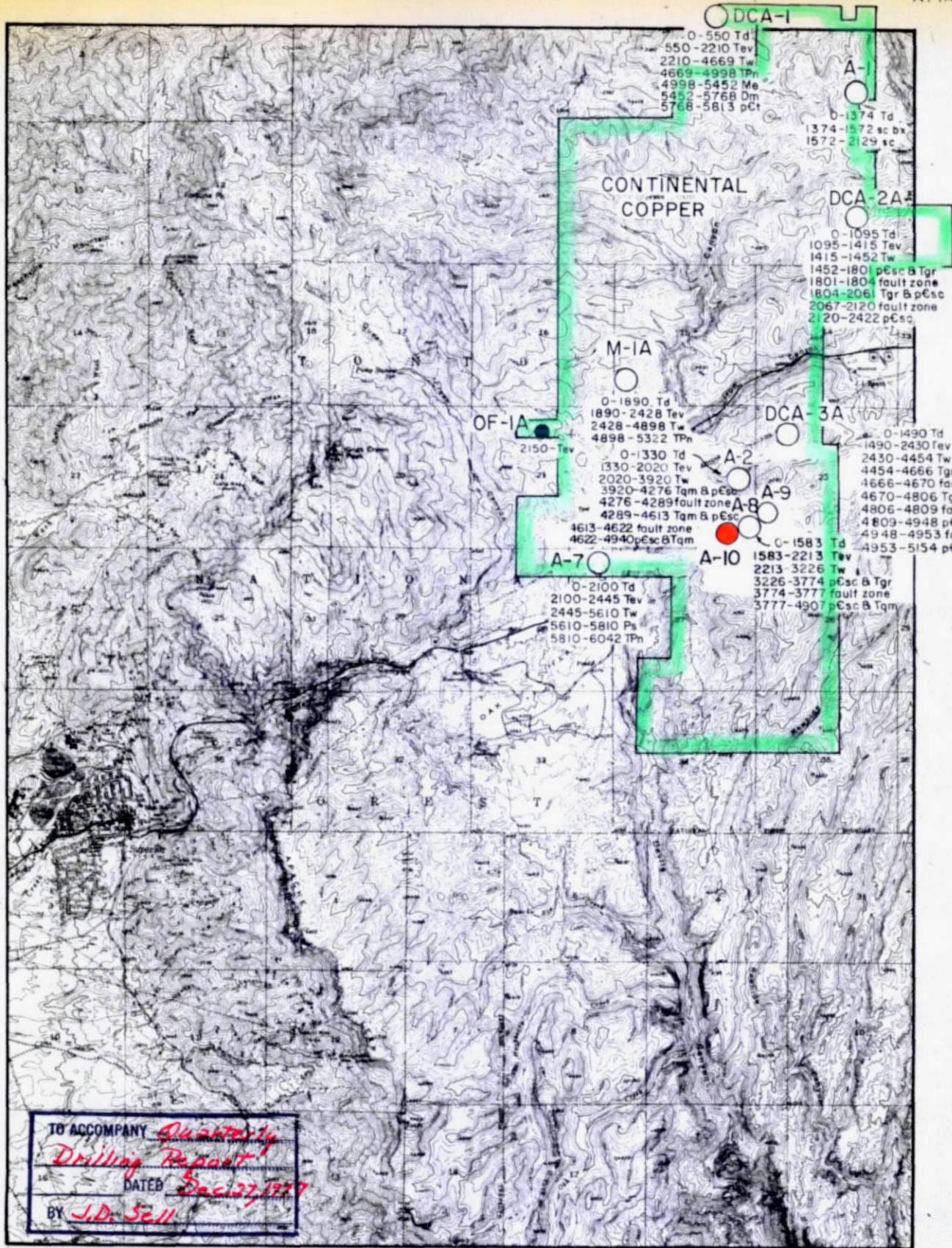
POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 *July, Aug, Sept, 1977*  
**SUPERIOR EAST**  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.



0-550 Td	0-1374 Td
550-2210 Tev	1374-1572 sc bx
2210-4669 Tw	1572-2129 sc
4669-4998 TPn	0-1095 Td
4998-5452 Me	1095-1415 Tev
5452-5766 Dm	1415-1452 Tw
5766-5813 pCt	1452-1801 pCsc & Tgr
	1801-1804 fault zone
	1804-2061 Tgr & pCsc
	2067-2120 fault zone
	2120-2422 pCsc
	0-1490 Td
	1490-2430 Tev
	2430-4454 Tw
	4454-4666 Tgr
	4666-4670 fault zone
	4670-4806 Tgr
	4806-4809 fault zone
	4809-4948 pCsc
	4948-4953 fault zone
	4953-5154 pCsc
	0-1583 Td
	1583-2213 Tev
	2213-3226 Tw
	3226-3774 pCsc & Tgr
	3774-3777 fault zone
	3777-4907 pCsc & Tqm

TO ACCOMPANY *Quarterly*  
*Drilling Report*  
 DATED *Dec 27, 1977*  
 BY *J.D. Sell*

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 *Oct, Nov, Dec, 1977*  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

December 27, 1977

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
October-December 1977  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Joy Drilling reentered hole A-10 during the quarter and continued with BX size. BX continued to 3968 feet where a dropped string necessitated the reduction to AX size. Continued synopsis of the hole is as follows:

- 3571-3852 Pinal Schist cut by quartz biotite feldspar porphyry and black porphyry dikes, all oxidized with variable crushing, breccia zones, and gouge zones, often at low angles, and containing variable iron oxides with minor remnant chalcocite.
- 3852-3953 Pinal Schist cut by biotite feldspar porphyry dikes, all oxidized with minor chalcocite remnants in quartz-sericite bands cutting at 45°-65°. Specularite also present with biotite addition.
- 3953-4259 Pinal Schist and porphyries as above with minor pyrite-chalcocite in quartz sericite and quartz sulfide seams and bands with some dissemination.

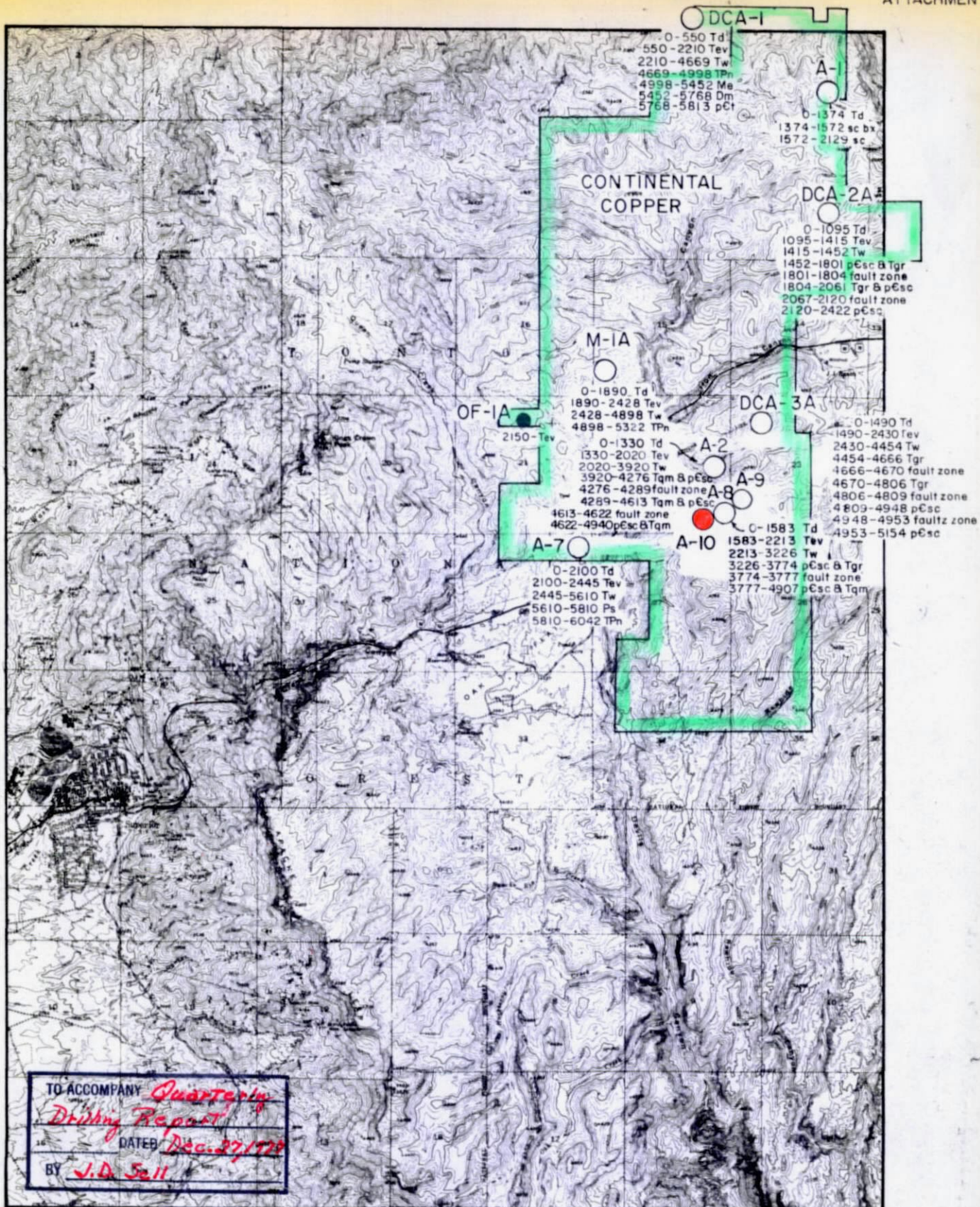
Core within the sulfide zone has been split but the geochemical values have not been returned.

The hole has been surveyed for deviation and temperature to the depth of the BX portion of the hole.

  
James D. Sell

JDS:lb

Att: Drilling progress map



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 *Oct, Nov, Dec, 1977*  
SUPERIOR EAST  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J.D.S.

March 23, 1978

TO: F. T. Graybeal

FROM: J. D. Sell

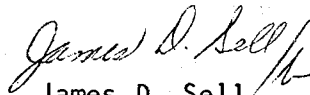
Quarterly Report  
January-March 1978  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Joy Drilling continued the hole A-10 from 4259 to the terminal depth of 4282 feet. The hole ended in weakly altered and mineralized biotite feldspar porphyry.

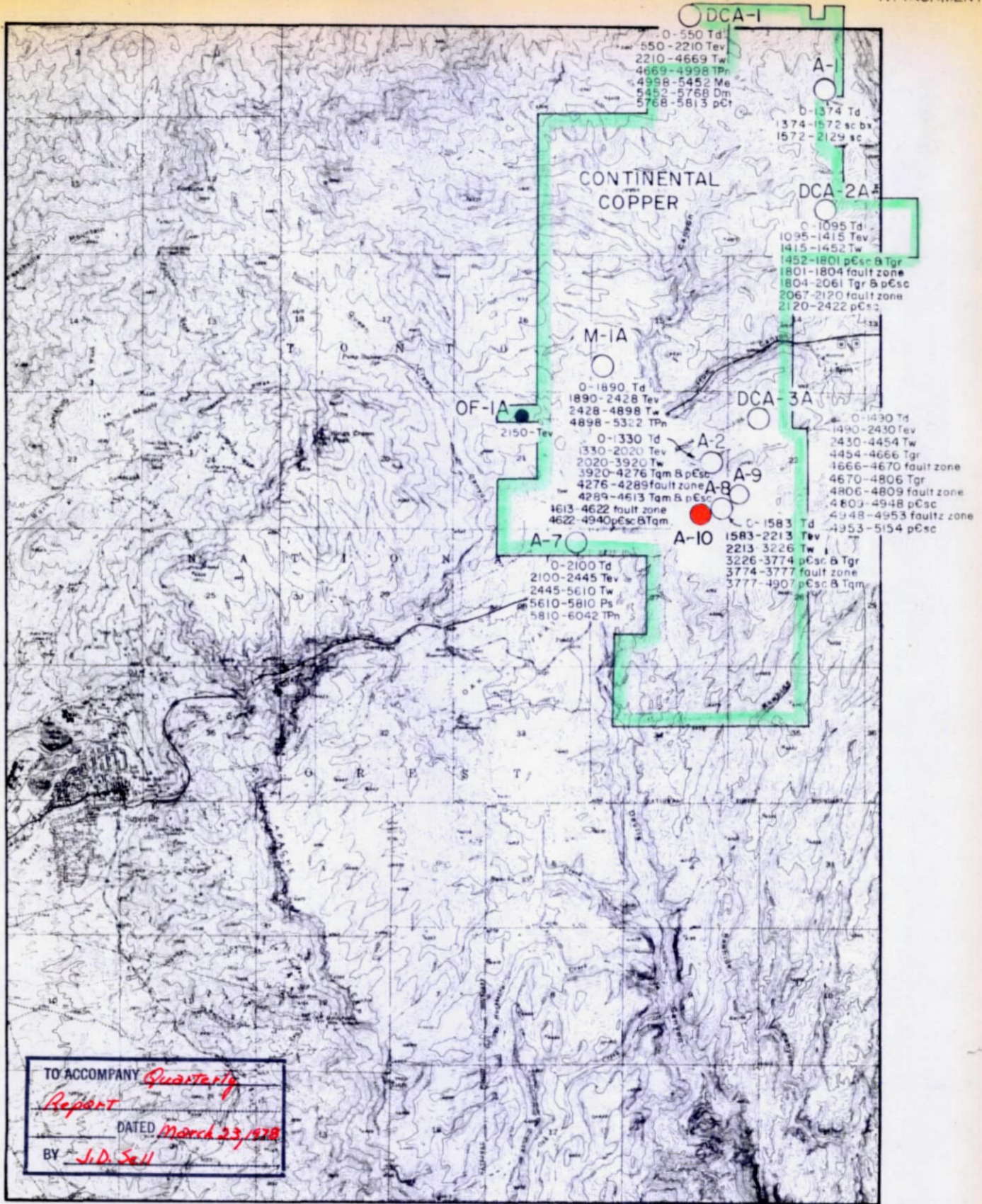
Assays on the split core have been received and copies are attached. The total sulfide intercept of 329 feet averaged 0.27% copper with only a few quartz-sulfide veins with slightly higher values.

The hole deviation-temperature survey was completed to near the bottom of the lost BX string of rods at 3930' depth. Based on the last measure increments and projection to the terminal depth of 4282 feet, the total deviation is 345 feet in a S65°W direction from the collar of the hole. The temperature at 3930 feet was recorded at 126-1/2°F.

  
James D. Sell

JDS:lb

Atts: Drill Progress Map  
Hole A-10 Assays



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 Jan-Feb-March 1978  
SUPERIOR EAST  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J.D.S.

Assay Results Drill Hole A-10  
Superior East Project

ASARCO  
Number

ASARCO Number	Unit	Depth	Footage	% Copper	Note
--	p&pi	3913-3916	3	--	oxidized
--	p&pi	3916-3953	37	--	oxidized qsv
OXIDIZED (Leach Capping) — SULFIDE INTERFACE					
A-10-1	p&pi	3953-3959-1/2	6-1/2	0.50	qsv
-2	Lbfp	3959-1/2-3965	5-1/2	0.56	qsv
-3	p&pi	3965-3968	3	0.44	qsv
-4	"	3968-3971	3	0.61	qsv
-5	"	3971-3977	6	0.38	qsv
-6	"	3977-3984	7	0.21	
-7	Lbfp	3984-3991	7	0.29	
-8	p&pi	3991-4001	10	0.40	qsv
-9	"	4001-4011	10	0.45	qsv
-10	"	4011-4021	10	0.20	w/1' porphyry dike
-11	"	4021-4031	10	0.30	w/1' porphyry dike
-12	"	4031-4041	10	0.24	
-13	"	4041-4050-1/2	9-1/2	0.29	
-14	p&pi w/Lbp	4050-1/2-4056-1/2	6	0.17	
-15	p&pi w/Lbfp	4056-1/2-4066	9-1/2	0.25	
-16	" "	4066-4076	10	0.10	
-17	" "	4076-4086	10	0.37	
-18	p&pi w/Lbp	4086-4096	10	0.12	
-19	" "	4096-4106	10	0.06	
-20	p&pi	4106-4116	10	0.05	
-21	"	4116-4124	8	0.03	
-22	"	4124-4131	7	0.34	qsv
-23	"	4131-4141	10	0.09	
-24	"	4141-4151	10	0.24	
-25	Lbfp	4151-4156	5	0.32	
-26	p&pi	4156-4163	7	0.21	
-27	Lbfp	4163-4166	3	0.04	w/native Cu
-28	p&pi	4166-4176	10	0.09	
-29	p&pi	4176-4179	3	0.05	
-30	Lbfp	4179-4182	3	0.89	qsv
-31	p&pi	4182-4189	7	0.08	
-32	"	4189-4192-1/2	3-1/2	0.51	qsv
-33	"	4192-1/2-4201	8-1/2	0.13	
-34	p&pi w/Lbfp	4201-4206	5	0.24	
-35	p&pi	4206-4216	10	0.50	qsv
-36	"	4216-4222	6	0.24	
-37	"	4222-4230	8	0.38	
-38	"	4230-4234	4	0.36	qsv (only 25% core recovery)
-39	"	4234-4237	3	0.92	qsv )
-40	"	4237-4239	2	0.59	qsv )
-41	"	4239-4246	7	0.72	qsv ) best section
-42	Lbfp	4246-4249	3	1.11	qsv )
-43	p&pi	4249-4254	5	0.11	
-44	p&pi	4254-4261	7	0.11	
-45	Lbfp	4261-4270	9	0.05	
-46	"	4270-4275	5	0.04	
-47	"	4275-4282	7	0.06	

T.D.

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS • CHEMISTS • METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE Dec. 28, 1977

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM
A-10-1			0.52 2000+	34	98	6
A-10-2			0.56 2000+	24	20	26
A-10-3			0.44 2000+	39	32	28
A-10-4			0.61 2000+	26	14	19
A-10-5			0.58 2000+	25	263	10
A-10-6			0.21 2000+	23	114	20
A-10-7			0.29 2000+	22	17	13
A-10-8			0.40 2000+	24	30	11
A-10-9			0.45 2000+	46	29	35
A-10-10			1960	21	32	15
A-10-11			0.30 2000+	28	32	9
A-10-12			0.24 2000+	15	29	9
A-10-13			0.29 2000+	26	34	23
A-10-14			1744	19	26	126
A-10-15			0.25 2000+	16	45	24
A-10-16			973	38	34	6
A-10-17			0.37 2000+	44	33	152
A-10-18			1249	41	38	7
A-10-19			584	25	41	13
A-10-20			465	28	43	26
A-10-21			341	42	25	19
A-10-22			0.34 2000+	18	99	36

REGISTERED ASSAYER  
 PETER S. FLORES  
 12/28/77  
 Arizona U. S. A.  
 ASSAYER - CHEMIST

CHARGES \$ 170.50

INVOICE NO. 15536



# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS • CHEMISTS • METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE Dec. 28, 1977

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM		
A-10-23			889	27	417	53		
A-10-24			<i>0.24</i> 2000+	34	81	13		
A-10-25			<i>0.32</i> 2000+	35	53	11		
A-10-26			<i>0.21</i> 2000+	36	40	36		
A-10-27			434	31	226	14		
A-10-28			880	35	51	17		
A-10-29			486	26	39	22		
A-10-30			<i>0.89</i> 2000+	22	38	15		
A-10-31			756	34	26	7		
A-10-32			<i>0.51</i> 2000+	38	18	14		
A-10-33			1301	24	53	20		
A-10-34			<i>0.24</i> 2000+	18	105	7		
A-10-35			<i>0.50</i> 2000+	27	70	6		

REGISTERED ASSAYER  
 CERTIFICATE NO. 6552  
 JOSE FLORES  
 P.O. BOX 1238  
 TUCSON ARIZONA U. S. A.  
 ASSAYER - CHEMIST  
 12/28/77

CHARGES \$ 100.75

INVOICE NO. 15536

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

OVER 2000 PPM

ASSAYERS · CHEMISTS · METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE Dec. 28, 1977

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PER CENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-10-1			0.50				
A-10-2			0.56				
A-10-3			0.44				
A-10-4			0.61				
A-10-5			0.38				
A-10-6			0.21				
A-10-7			0.29				
A-10-8			0.40				
A-10-9			0.45				
A-10-11			0.30				
A-10-12			0.24				
A-10-13			0.29				
A-10-15			0.25				
A-10-17			0.37				
A-10-22			0.34				
A-10-24			0.24				
A-10-25			0.32				
A-10-26			0.21				
A-10-30			0.89				
A-10-32			0.51				
A-10-34			0.24				
A-10-35			0.50				


  
 REGISTERED ASSAYER  
 PETE S. FLORIS  
 Arizona U.S.A.  
 Signed  
 12/28/77  
 ASSAYER-CHEMIST

CHARGES \$ 44.00

INVOICE NO. 15536

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS • CHEMISTS • METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE Dec. 30, 1977

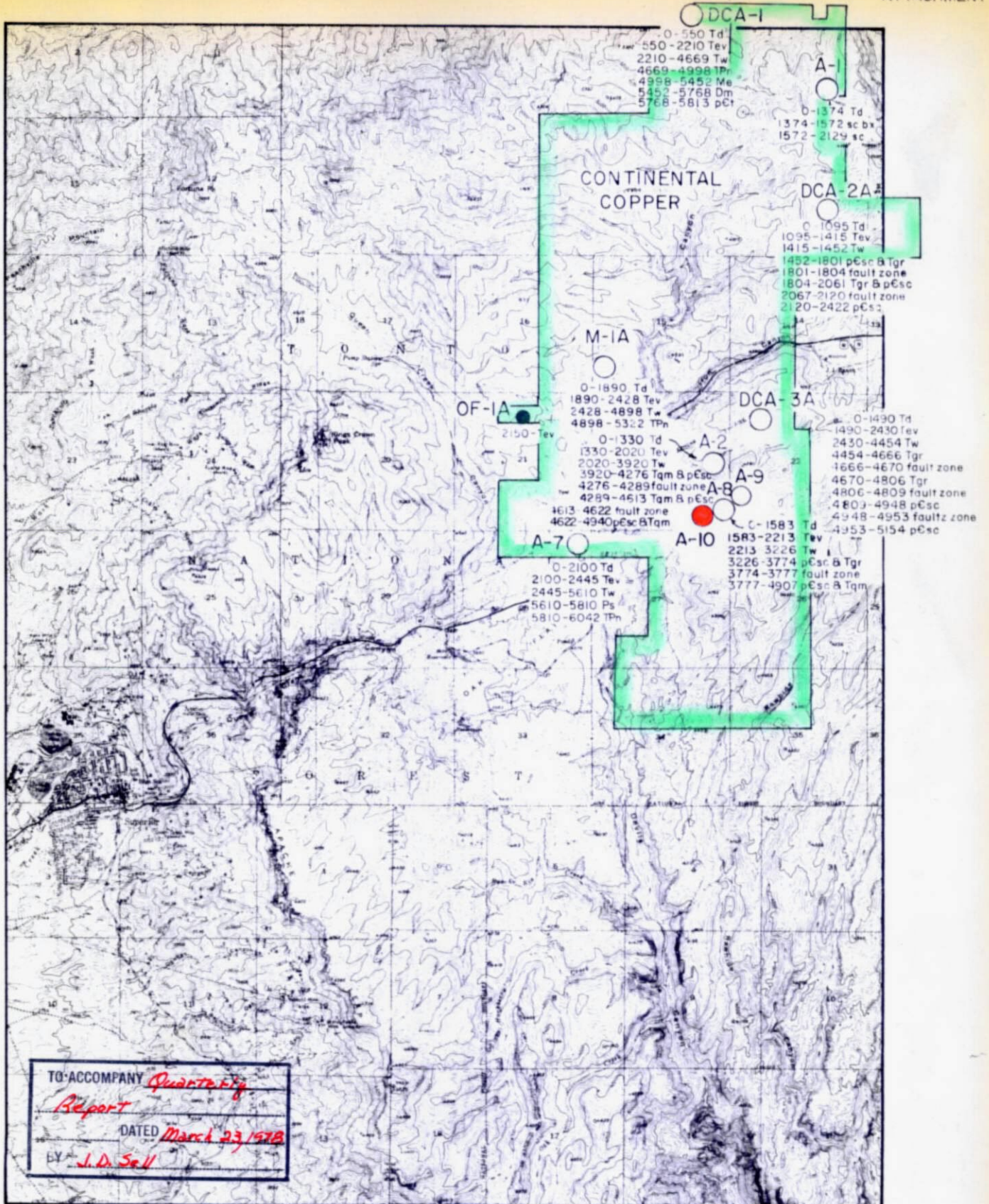
SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM
A-10-36			0.24 2000+	21	45	8
A-10-37			0.33 2000+	24	26	6
A-10-38			0.36 2000+	31	39	10
A-10-39			0.92 2000+	43	16	5
A-10-40			0.59 2000+	15	29	6
A-10-41			0.72 2000+	29	55	5
A-10-42			1.11 2000+	41	25	7
A-10-43			1097	45	36	10
A-10-44			1025	19	32	12
A-10-45			533	16	41	10
A-10-46			380	21	43	6
A-10-47			557	27	38	26

REGISTERED ASSAYER  
 ARIZONA U. S. A.  
 Signed  
 12/30/77  
 ASSAYER • CHEMIST

CHARGES \$ 93.00

INVOICE NO. 15540





EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 Jan-Feb-March 1978  
**SUPERIOR EAST**  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J. D. S.

# ASARCO

Southwestern Exploration Division

June 26, 1978

TO: F. T. Graybeal

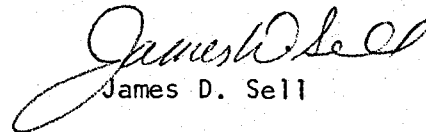
FROM: J. D. Sell

Quarterly Report  
April-June 1978  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

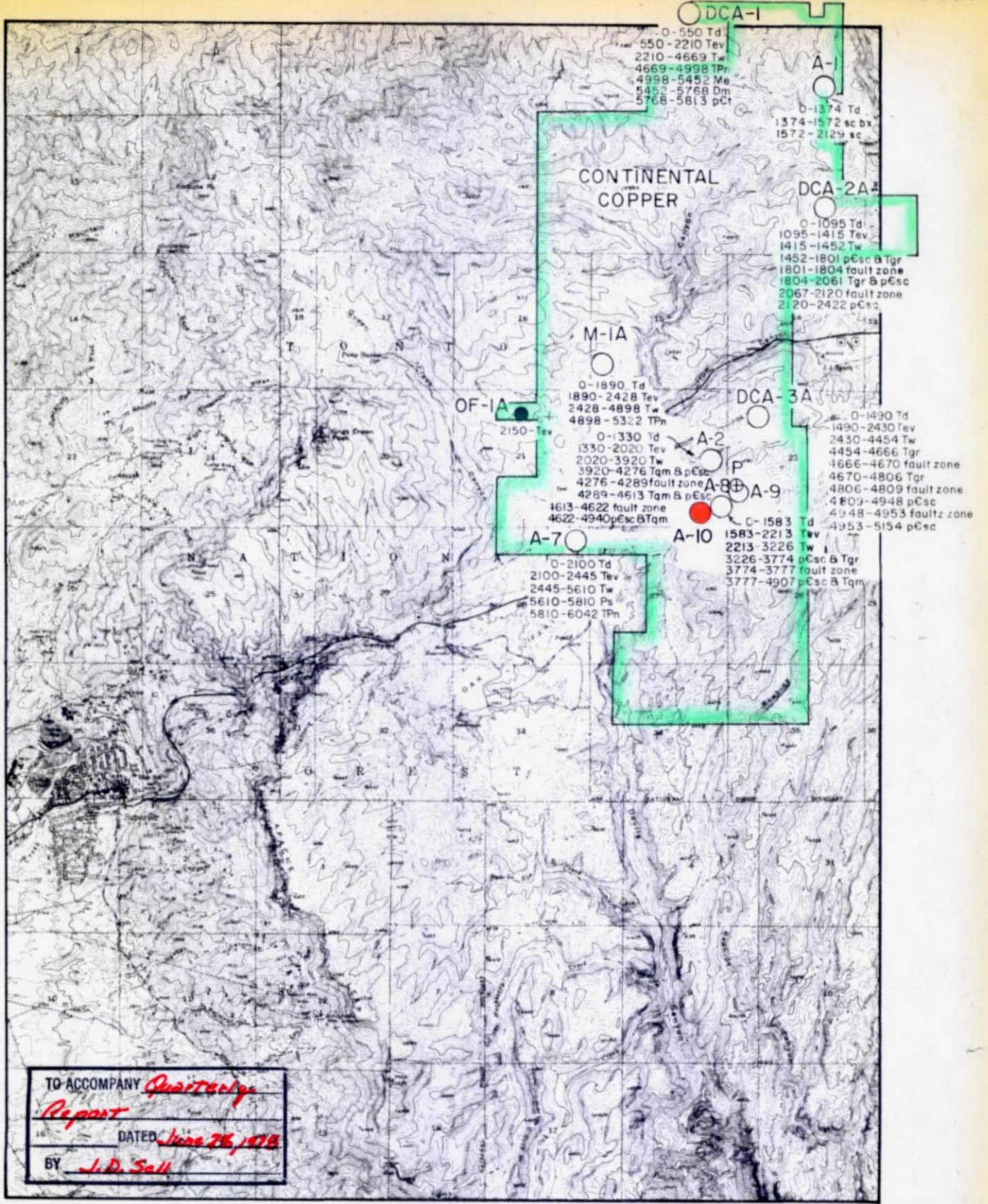
No drilling was accomplished during the quarter.

An amendment to the road agreement has been submitted to the Forest Service for a road and site northwesterly from hole A-9. Upon receipt of the amended permit, the road will be initiated and site prepared for drilling to be initiated in the third quarter.

  
James D. Sell

JDS:1b

Att: Drill Progress Map (2463-A)



TO ACCOMPANY *Quarterly*  
*Report*  
 DATED *June 26, 1978*  
 BY *J. D. Sell*

**EXPLANATION**

- Previous drill hole
- ASARCO drill hole
- DCA-I (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth
- P
- ⊕ Proposed hole

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 1978*  
**SUPERIOR EAST**  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J. D. S.

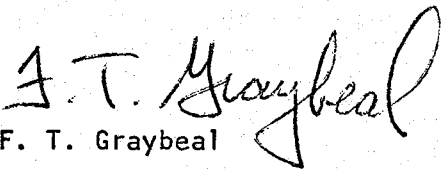
September 25, 1978

FILE MEMORANDUM

Quarterly Report  
July-September 1978  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

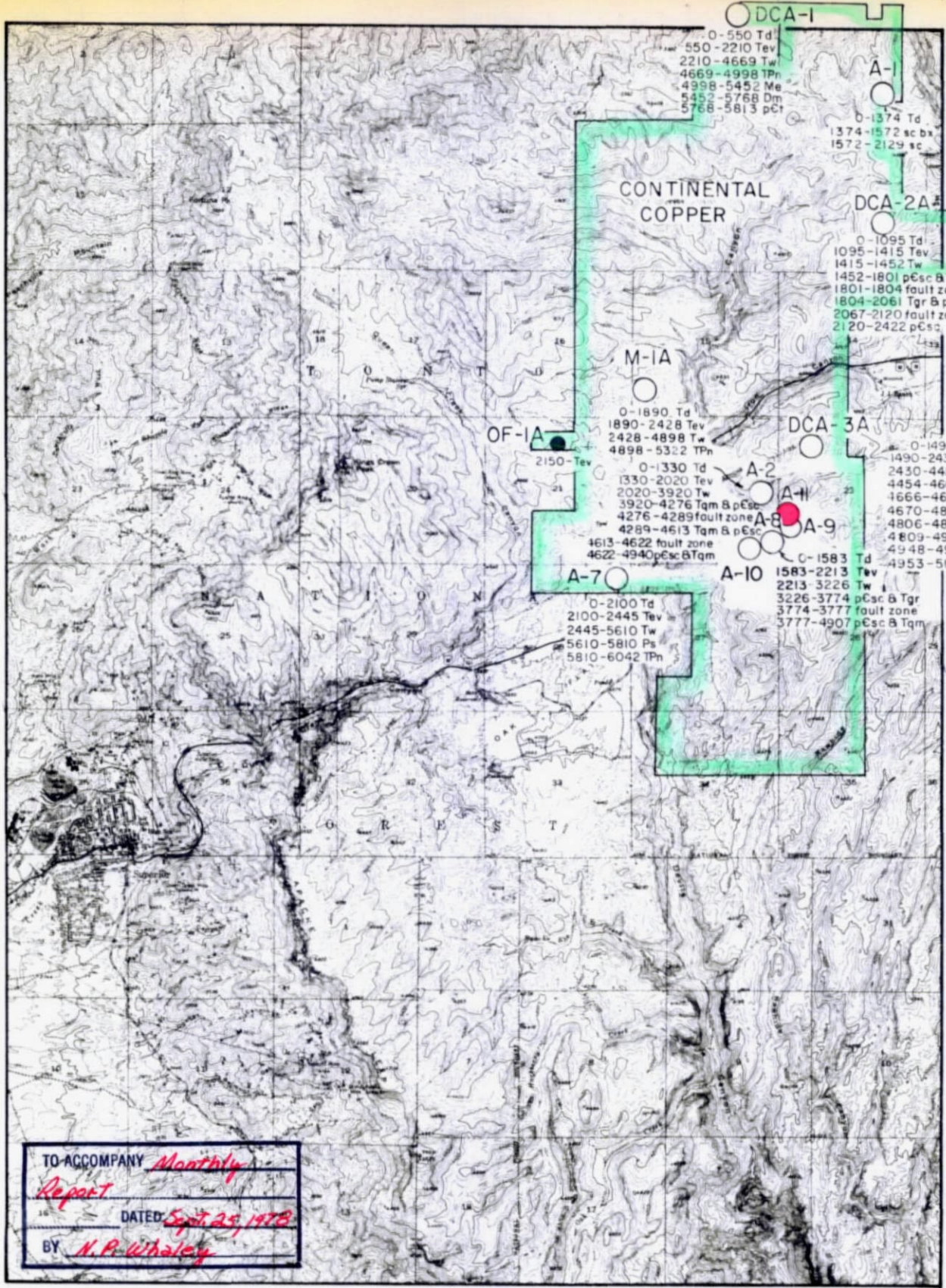
Hole A-11 was collared as shown on the attached map and advanced from 0-1205 ft. in unmineralized dacitic volcanics.

  
F. T. Graybeal

FTG:1b  
Att.: Map

cc: JDSel1 ✓





**DCA-1**  
 0-550 Td  
 550-2210 Tev  
 2210-4669 Tw  
 4669-4998 TPn  
 4998-5452 Me  
 5452-5768 Dm  
 5768-5813 pCt

**A-1**  
 0-1374 Td  
 1374-1572 sc bx  
 1572-2129 sc

**DCA-2A**  
 0-1095 Td  
 1095-1415 Tev  
 1415-1452 Tw  
 1452-1801 pEsc & Tgr  
 1801-1804 fault zone  
 1804-2061 Tgr & pEsc  
 2067-2120 fault zone  
 2120-2422 pEsc

**M-1A**  
 0-1890 Td  
 1890-2428 Tev  
 2428-4898 Tw  
 4898-5322 TPn

**OF-1A**  
 2150- Tev

**DCA-3A**  
 0-1490 Td  
 1490-2430 Tev  
 2430-4454 Tw  
 4454-4666 Tgr  
 1666-4670 fault zone  
 4670-4806 Tgr  
 4806-4809 fault zone  
 4809-4948 pEsc  
 4948-4953 fault zone  
 4953-5154 pEsc

**A-2**  
 0-1330 Td  
 1330-2020 Tev  
 2020-3920 Tw  
 3920-4276 Tqm & pEsc  
 4276-4289 fault zone  
 4289-4613 Tqm & pEsc  
 4613-4622 fault zone  
 4622-4940 pEsc & Tqm

**A-7**  
 0-2100 Td  
 2100-2445 Tev  
 2445-5610 Tw  
 5610-5810 Ps  
 5810-6042 TPn

**A-8**  
 0-1583 Td  
 1583-2213 Tev  
 2213-3226 Tw  
 3226-3774 pEsc & Tgr  
 3774-3777 fault zone  
 3777-4907 pEsc & Tqm

**A-9**

**A-10**

TO ACCOMPANY *Monthly Report*  
 DATED *Sept 25, 1978*  
 BY *N.P. Whaley*

EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- Rock type
- P Bottom hole depth
- ⊕ Proposed hole

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- Tgr-Granite
- TPn-Naco limestone
- Me-Escabrosa limestone
- Dm-Martin lms
- pCt-Troy qtz
- pCdb-Diabase
- pEsc-Schist

DRILLING PROGRESS MAP  
 for the quarter of *July, Aug, Sept 1978*  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

December 27, 1978

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
October-December 1978  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

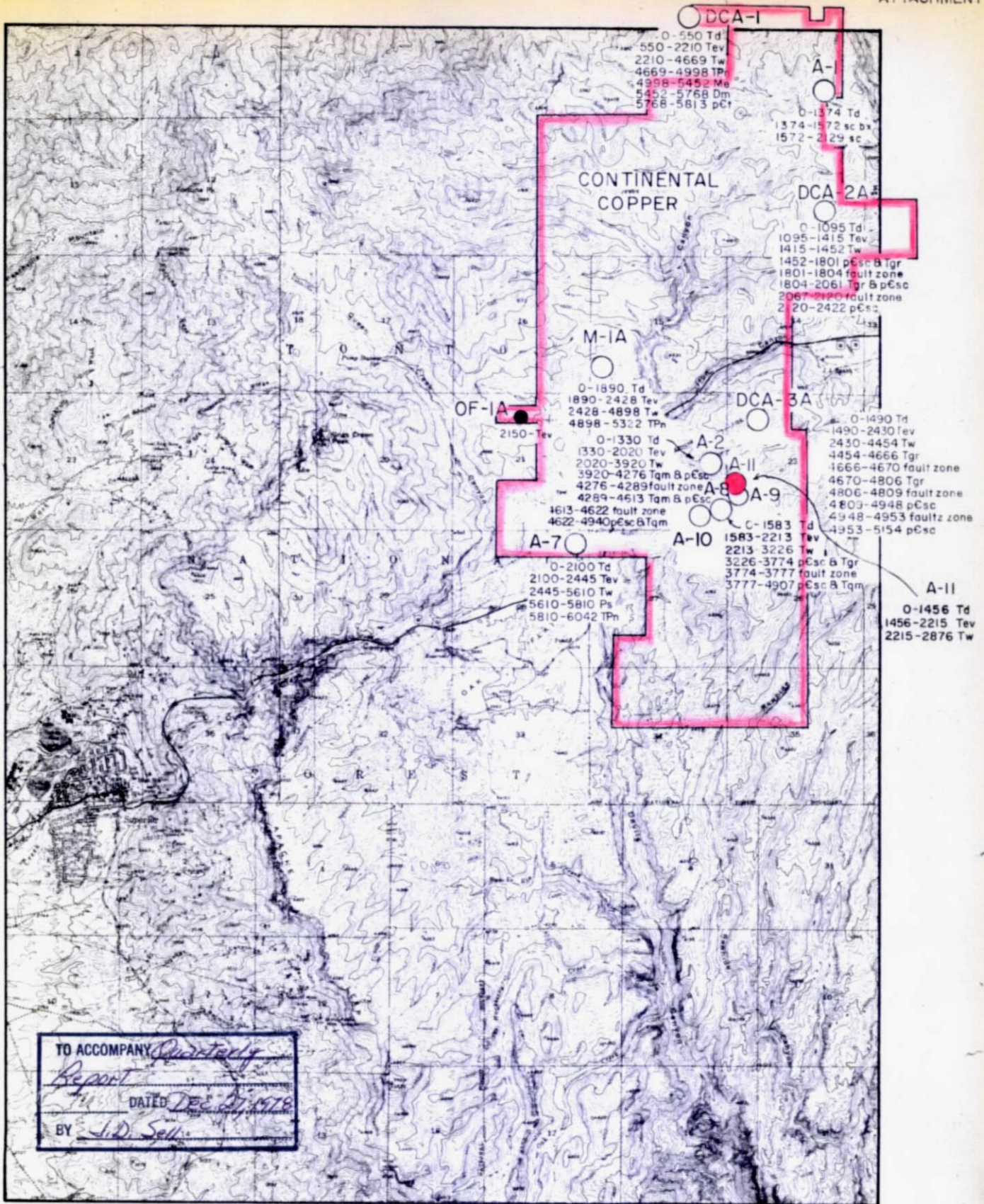
At the end of the previous quarter, the hole had progressed to 1205 feet in dacitic volcanics. The synopsis log continues as:

1205-1456 Dacite  
1456-2215 Earlier Volcanics  
2215-2876 Whitetail Conglomerate

All units encountered are unmineralized.

*James D. Sell*  
James D. Sell

JDS:1b  
Att.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- P → Rock type
- P → Bottom hole depth
- ⊕ Proposed hole

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- Tgr - Granite
- TPn - Naco limestone
- Me - Escobrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pOdb - Diabase
- pEsc - Schist

DRILLING PROGRESS MAP  
for the quarter of Oct, Nov, Dec.  
SUPERIOR EAST  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J.D.S.

# ASARCO

Southwestern Exploration Division

March 27, 1979

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
January-March 1979  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

At the end of the previous quarter, the hole A-11 had progressed to 2876 feet in Whitetail Conglomerate. The synopsis log continues as:

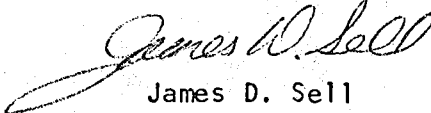
2876-3492 Whitetail Conglomerate  
3492-4261 Pinal Schist with minor porphyry (oxidized)  
4261-4615 Pinal Schist with minor porphyry (sulfides)

The hole was cored NC size to 2580 feet, cored NX size to 3772 feet, and is continuing BX size.

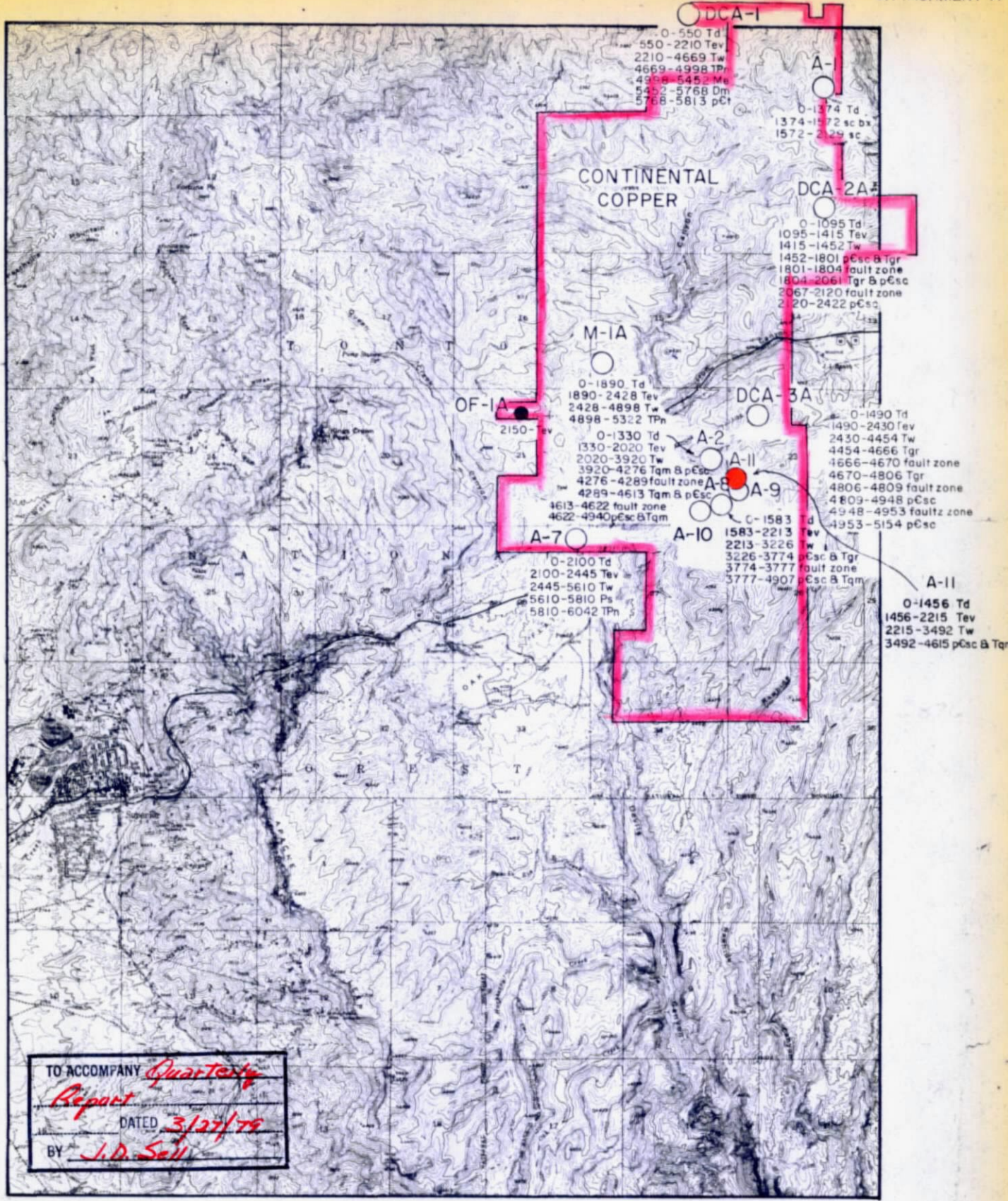
The rods were stuck for some time late in the quarter but have been recovered and the hole is continuing.

Assays from 4262 feet to 4553 feet (291 feet) returned an average of 0.40% copper. A faulted and gougy zone of crushed quartz-sulfides (which trapped the rods) of the next 33 feet averaged 1.21% copper, while the last seven feet of returned assays averaged 0.42% copper (to 4593 feet). The remaining unsplit core suggests similar values.

A hole deviation survey was conducted to 4400 feet and indicates the hole bottom was 120 feet westerly from the collar and deviating at a rate of ten feet per hundred to the northwest.

  
James D. Sell

JDS:lb  
Att: Map



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-I (hole designation)
- 4011 Tw
- Rock type
- Bottom hole depth
- P Proposed hole

POST-MINERAL ROCK UNIT

- Td-Dacite
- TeV-Early volcanics
- Tw-Whitetail

PRE-MINERAL ROCK UNIT

- 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 Jan-Feb-March  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

June 29, 1979

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
April-June, 1979  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

At the end of the previous quarter, the hole A-11 had progressed to 4615 feet in Pinal Schist with minor porphyry containing sulfide mineralization. The synopsis log continues below to the total depth of the hole.

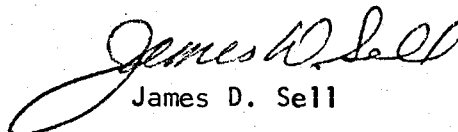
4615-5175 T.D. Pinal Schist with minor porphyry (sulfides)

The hole continued in BX core size to the depth of 4857 feet, where drilling conditions precluded further drilling and the BX drill rods were left in the hole to act as casing. The AX rods and bit were drilled through the BX bit and coring resumed. The conversion solved all of the casing problems in the BX portion of the hole, but wall rock casing problems continued. A portion of the problems was the slight angle the core hole was going against the direction of veining and brecciation in fault structures, and the hole was taken to 4939-1/2 feet when a decision was made to set a wedge and deflect the hole more southerly. The wedge could not be placed on the bottom of the hole, and as a result the wedged portion of the hole returned core starting at 4924 feet. The wedged hole continued to the total depth of 5175 feet, where the hole was terminated at the end of the quarter.

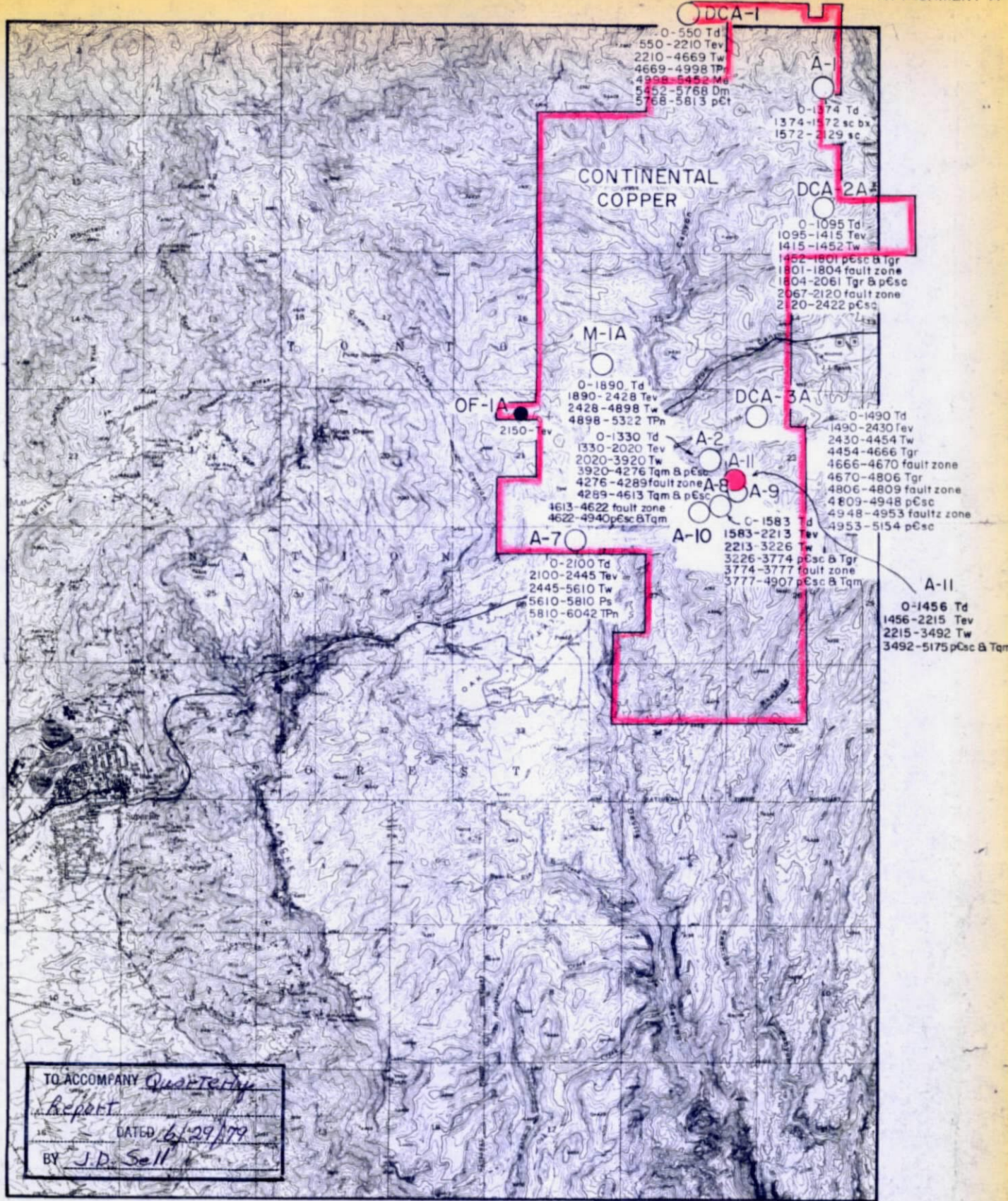
Recovery operations involving the AX drill string and the BX drill string (left as casing) will be conducted during the coming quarter.

Tentative plans are to reenter the hole and conduct some directional drilling. Thus the casing in the NC and NX portions of the hole is being left in place and will be rented until drilling is resumed.

As reported last quarter, the sulfide mineralization from 4262 to 4553 (291 feet) returned an average of 0.40% copper. Increased gouge and breccia zones containing quartz-sulfides were encountered to a depth of 5017-1/2 feet. The combined values from 4262 to 5017-1/2 (755-1/2 feet) returned an average of 0.89% copper. Only two assays are presently available below 5017-1/2 feet and these average 0.27% copper. The remainder of the hole is visually estimated to contain even less copper values.

  
James D. Sell

JDS:1b  
Att: Map



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 4011 Tw
- P → Rock type
- ⊕ Bottom hole depth
- ⊕ Proposed hole

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- Tgr - Granite
- TPn - NaCo limestone
- Me - Escabrosa limestone
- Dm - Martin lms
- pCt - Troy qtz
- pCdb - Diabase
- pEsc - Schist

DRILLING PROGRESS MAP  
 for the quarter of *April-May-June*  
 SUPERIOR EAST  
 GILA & PINAL COUNTYS, ARIZ.  
 SCALE 1" = 1 mile J.D.S.

# ASARCO

Southwestern Exploration Division

September 26, 1979

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
July-September 1979  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

No drilling progress map is attached, as the last quarter map contained the progress to the terminal depth of 5175 feet in hole A-11.

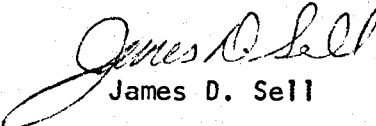
During this quarter, recovery operations involving part of the casing string were undertaken. Joy was unsuccessful in cutting the rods used as casing and McCullough (Farmington, N.M.) was brought in to free the rods. BX rods had been left in as casing and, of this string, the rods, outer barrel, latch coupling, and BXWL bit were lost from 3755-4857'. The remaining casing of 4" surface pipe (surface-137'), the NX casing (NC hole, Surface-2850'), and BX casing (NX hole, Surface-3772') were undisturbed and left to protect the hole for future use, and the casing is rented by the month.

Discussions with several directional drilling firms have been undertaken, but no final decision has been reached as to off-setting hole A-11 by drilling from within the hole.

The hole deviation-temperature survey of hole A-11 shows that at a depth of 5147' the hole had deviated 228 feet in a N29°W direction from the collar. The bottom temperature at 4750' was 137°F.

Assay compilation after the close of the last quarter report has extended the +0.5% copper value to between 4553-5086', or 533 feet averaging 1.12% copper. Attached are the footage-assay listing and the individual assay sheets for hole A-11.

BLM verification has been received on the Margaret claim group.

  
James D. Sell

JDS:lb  
Atts.



Hole A-11

Sample Number	Rock Unit	Depth Interval	Footage	Cu Value	Note
Leached capping-sulfide Interface basal fault.					
--	fault gouge	4261-4262	1	N.A.	fault gouge
A-11-38	p&pi	4262-4264	2	0.49	tr cc w/bn
-39	"	4264-4271	7	0.28	
-1	"	4271-4273	2	0.30	
-2	p&pi	4273-4279	6	0.43	
-3	Lbfp	4279-4283	4	0.44	
-4	p&pi	4283-4288	5	0.39	
-5	"	4288-4291	3	0.50	
-6	"	4291-4299	8	0.45	end of tr cc
-7	"	4299-4304	5	0.36	bn diss.
-8	"	4304-4314	10	0.35	
-9	"	4314-4324	10	0.40	
-10	p&pi	4324-4332	8	0.76	
-11	Lbfp	4332-4337	5	0.45	
-12	"	4337-4343	6	0.26	
-13	"	4343-4345	2	0.62	
-14	"	4345-4352	7	0.18	
-15	"	4352-4359	7	0.47	
-16	"	4359-4361	2	0.17	
-17	"	4361-4370	9	0.44	
-18	"	4370-4377	7	0.19	
-19	"	4377-4384	7	0.32	
-20	"	4384-4387	3	0.43	
-21	Lbfp	4387-4390	3	1.24	
-22	p&pi	4390-4400	10	0.40	
-23	"	4400-4410	10	0.37	
-24	"	4410-4417	7	0.42	
-25	p&pi	4417-4422	5	0.33	
-26	Lbfp	4422-4432	10	0.51	
-27	p&pi	4432-4441	9	0.29	
-28	Lbfp	4441-4450	9	0.49	
-29	p&pi	4450-4460	10	0.41	
-30	p&pi	4460-4468	8	0.36	
-31	Lbfp	4468-4476	8	0.79	
-32	p&pi	4476-4488	12	0.34	
-33	Lbfp	4488-4498	10	0.64	
-34	Lbfp	4498-4507	9	0.28	
-35	p&pi	4507-4514	7	0.21	
-36	"	4514-4521	7	0.31	
-37	"	4521-4530	9	0.29	
-40	"	4530-4535	5	0.29	
-41	"	4535-4546	11	0.29	
-42	"	4546-4553	7	0.40	bn diss.
-43	"	4553-4562	9	2.08	qsv bx
-44	"	4562-4567	5	1.44	qsv bx
-45	"	4567-4577	10	0.80	
-46	"	4577-4586	9	0.65	
-47	"	4586-4593	7	0.42	
-48	"	4593-4599	6	0.44	
-49	"	4599-4608	9	0.22	
-50	"	4608-4614	6	1.72	qsv bx

Sample Number	Rock Unit	Depth Interval	Footage	Cu Value	Note
-51	pεpi	4614-4621	7	0.86	qsv bx
-52	"	4621-4629	8	0.59	
-53	"	4629-4637	8	0.40	
-54	"	4637-4642	5	2.55	qsv bx
-55	"	4642-4647	5	7.75	qsv bx
-56	"	4647-4655	8	1.33	qsv bx
-57	"	4655-4662	7	0.51	
-58	"	4662-4672	10	0.63	
-59	"	4672-4680	8	1.03	qsv bx
-60	"	4680-4687	7	0.29	
-61	"	4687-4696	9	1.35	qsv
-62	"	4696-4706	10	1.12	qsv
-63	"	4706-4712	6	3.04	qsv
-64	pεpi	4712-4717	5	0.65	
-65	Lbfp	4717-4720	3	0.06	
-66	pεpi	4720-4728	8	0.42	
-67	"	4728-4731	3	2.96	qsv bx
-68	"	4731-4737	6	0.72	
-69	"	4737-4746	9	0.56	
-70	"	4746-4756	10	0.14	
-71	"	4756-4759	3	0.25	
-72	"	4759-4767	8	0.94	qsv bx
-73	pεpi	4767-4774	7	1.13	qsv bx
-74	Lbfp	4774-4778	4	0.31	
-75	"	4778-4781	3	0.11	
-76	Lbfp	4781-4786	5	0.68	
-77	pεpi	4786-4796	10	0.52	
-78	"	4796-4803	7	0.62	
-79	pεpi	4803-4807	4	10.24	qsv bx
-80	Lbfp	4807-4818	11	4.18	qsv bx
-81	pεpi	4818-4826	8	0.39	
-82	"	4826-4836	10	0.64	
-83	"	4836-4846	10	0.48	
-84	"	4846-4857	11	0.33	
-85	pεpi	4857-4861	4	0.24	
-86	Lbfp	4861-4865	4	0.23	
-87	Lbfp	4865-4869	4	0.80	qsv bx
-88	pεpi	4869-4873	4	0.64	
-NS*	"	4873-4877	4	LC**	**Lost core
-89	pεpi	4877-4879	2	0.34	
-90	Lbfp	4879-4883	4	0.66	
-91	"	4883-4890	7	0.27	
-92	"	4890-4894	4	2.08	qsv bx
-NS	Lbfp?	4894-4901½	7½	LC	qsv bx?
-93	Lbfp & pεpi	4901½-4906½	5	2.64	qsv bx
-94	Lbfp & pεpi	4906½-4911	4½	0.40	qv bx
-95	Lbfp	4911-4915½	4½	1.09	qsv bx
-96	"	4915½-4920	4½	2.03	qsv bx
-97	"	4920-4922½	2½	0.54	qsv bx
-NS	"	4922½-4926½	4	LC	qsv bx?
-98	"	4926½-4930	3½	2.21	qsv bx
-99	Lbfp	4930-4935½	5½	0.88	qsv bx

Sample Number	Rock Unit	Depth Interval	Footage	Cu Value	Note
-100	p&pi	4935½-4939½	4	1.11	qsv bx
AX Wedge placed in hole, recored interval as noted.					
-101	Lbfp	4924-4928	4	0.47	qsv bx
-NS	"	4928-4931	3	LC	qsv bx
-102	Lbfp	4931-4936	5	1.04	qsv bx
-103	p&pi	4936-4938	2	0.29	qsv bx
-104	Lbfp	4938-4940	2	1.50	qsv bx
-NS	Lbfp?	4940-4943	3	LC	qsv bx?
-105	p&pi	4943-4949	6	0.41	
-106	"	4949-4952½	3½	0.28	
-107	"	4952½-4954½	2	0.51	
-108	"	4954½-4959	4½	0.45	
-109	"	4959-4964	5	0.33	
-110	"	4964-4969	5	0.16	
-111	p&pi	4969-4975½	6½	0.24	
-112	Lbfp	4975½-4980½	5	0.25	
-113	p&pi	4980½-4988½	8	0.36	
-114	"	4988½-4998	9½	0.37	
-115	"	4998-5003½	5½	1.12	qsv
-116	"	5003½-5004½	1	54.60	qsv
-117	"	5004½-5009½	5	4.35	qsv bx
-118	"	5009½-5017½	8	0.97	qsv bx
-119	"	5017½-5023	5½	0.25	
-120	"	5023-5030	7	0.29	
-121	"	5030-5036	6	0.73	
-122	p&pi	5036-5040	4	0.32	
-123	Lbfp & p&pi	5040-5047	7	0.73	
-124	" " "	5047-5052	5	0.56	
-125	Lbfp & p&pi	5052-5062	10	0.28	
-126	p&pi	5062-5071	9	0.23	
-127	"	5071-5084	13	0.52	
-128	"	5084-5086	2	5.17	qsv bx
-129	"	5086-5097	11	0.42	
-130	"	5097-5106	9	0.50	
-131	"	5106-5114	8	0.27	
-132	"	5114-5122	8	0.42	
-133	"	5122-5132	10	0.34	
-134	"	5132-5142	10	0.18	
-135	p&pi	5142-5152	10	0.24	
-136	Lbfp	5152-5159	7	0.05	
-137	p&pi	5159-5168	9	0.04	
-138	p&pi	5168-5175	7	0.05	

T.D.

\*NS = No sample

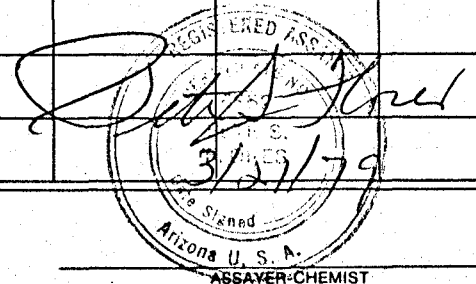
## AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.DATE March 21, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-1			0.30				
A-11-2			0.43				
A-11-3			0.44				
A-11-4			0.39				
A-11-5			0.50				
A-11-6			0.45				
A-11-7			0.36				
A-11-8			0.35				
A-11-9			0.40				
A-11-10			0.76				
A-11-11			0.45				
A-11-12			0.26				
A-11-13			0.62				
A-11-14			0.18				
A-11-15			0.47				
A-11-16			0.17				
A-11-17			0.44				
A-11-18			0.19				
A-11-19			0.32				
A-11-20			0.43				
A-11-21			1.24				
A-11-22			0.40				
A-11-23			0.37				
A-11-24			0.42				
A-11-25			0.33				

CHARGES \$ 68.75INVOICE NO. 16222

ASSAYER-CHEMIST

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE March 21, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-26			0.51				
A-11-27			0.29				
A-11-28			0.49				
A-11-29			0.41				
A-11-30			0.36				
A-11-31			0.79				
A-11-32			0.34				
A-11-33			0.64				
A-11-34			0.28				
A-11-35			0.21				
A-11-36			0.31				
A-11-37			0.29				

CHARGES \$ 33.00

16222

REGISTERED ASSAYER  
 AMERICAN ANALYTICAL AND RESEARCH LABORATORIES  
 TUCSON, ARIZONA  
 State Signed \_\_\_\_\_  
 3/23/79  
 Arizona U.S.A.  
 ASSAYER-CHEMIST

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS • CHEMISTS • METALLURGISTS

TUCSON, ARIZONA 85714



SAMPLE SUBMITTED BY ASARCO, INC.

DATE March 24, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM
A-11-38			0.49			
A-11-39			0.28			
A-11-40			0.29			
A-11-41			0.29			
A-11-42			0.40			
A-11-43			2.08			
A-11-44			1.44			
A-11-45			0.80			
A-11-46			0.65			
A-11-47			0.42			



CHARGES \$ 27.50

INVOICE NO. 16232

REGISTERED ASSAYER  
 P. A. Stone  
 3/24/79  
 ASSAYER - CHEMIST  
 Arizona U. S. A.



# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE April 19, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-48			0.44				
A-11-49			0.22				
A-11-50			1.72				
A-11-51			0.86				
A-11-52			0.59				
A-11-53			0.40				
A-11-54			2.55				
A-11-55			7.75				
A-11-56			1.33				
A-11-57			0.51				
A-11-58			0.63				
A-11-59			1.03				
A-11-60			0.29				
A-11-61			1.35				
A-11-62			1.12				
A-11-63			3.04				
A-11-64			0.65				
A-11-65			0.06				
A-11-66			0.42				
A-11-67			2.96				
A-11-68			0.72				
A-11-69			0.56				
A-11-70			0.14				

REGISTERED ASSAYER  
 CERTIFICATE NO. 6882  
 PETE S. FLORES  
 Date Signed 4/19/79  
 Arizona U. S. A.

CHARGES \$ 65.25

INVOICE NO. 16290

ASSAYER-CHEMIST



# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE April 30, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-78			0.62				
A-11-79			10.24				
A-11-80			4.18				
A-11-81			0.39				
A-11-82			0.64				
A-11-83			0.48				
A-11-84			0.33				

CHARGES \$ 20.25

INVOICE NO. 16329

REGISTERED ASSAYER  
CERTIFICATE  
1952  
FLORES  
4/30/79  
ARIZONA U.S.A.

ASSAYER-CHEMIST

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE May 7, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON	
A-11-85			0.24					
A-11-86			0.23					
A-11-87			0.80					
A-11-88			0.64					
A-11-89			0.34					
A-11-90			0.66					
A-11-91			0.27					
A-11-92			2.65	<i>4 Sec re-assay of 7/11/79</i>				
A-11-93			2.98					
A-11-94			0.39					
A-11-95			1.23					
A-11-96			2.20					

CHARGES \$ 33.00  
INVOICE NO. 16341

REGISTERED ASSAYER  
 CERTIFICATE NO. 6852  
 PETE S. FLORES  
 5/7/79  
 ASSAYER-CHEMIST



# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

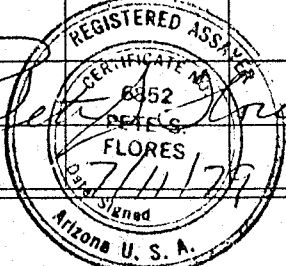
TUCSON, ARIZONA 85714

RE-ASSAY

SAMPLE SUBMITTED BY ASARCO, INC.

DATE July 11, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON	
A-11-92			2.08					
A-11-93			2.64					
A-11-94			0.40					
A-11-95			1.09					
A-11-96			2.03					
A-11-97			0.54					
A-11-98			2.21					
A-11-99			0.88					
A-11-100			1.11					


  
REGISTERED ASSAYER  
CERTIFICATE NO. 8352  
P. FLORES  
7/11/79  
Arizona U. S. A.  
signed

CHARGES \$ N/C

INVOICE NO. \_\_\_\_\_

ASSAYER-CHEMIST

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE June 12, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-101			0.47				
A-11-102			1.04				
A-11-103			0.29				
A-11-104			1.50				
A-11-105			0.41				
A-11-106			0.28				
A-11-107			0.51				
A-11-108			0.45				
A-11-109			0.33				
A-11-110			0.16				
A-11-111			0.24				
A-11-112			0.25				
A-11-113			0.36				
A-11-114			0.37				
A-11-115			1.12				
A-11-116			54.6				
A-11-117			4.35				
A-11-118			0.97				
A-11-119			0.25				
A-11-120			0.29				

REGISTERED ASSAYER  
 PETE S. FLORES  
 6/12/79  
 Signed  
 Arizona Chemist

CHARGES \$ 56.00

INVOICE NO. 16412

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE June 22, 1979

1000 PPM

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-121			0.73				
A-11-122			0.32				
A-11-123			0.73				
A-11-124			0.56				
A-11-125			0.28				
A-11-126			0.23				
A-11-127			0.52				
A-11-128			5.17				
A-11-129			0.42				
A-11-130			0.50				
A-11-131			0.27				
A-11-132			0.42				
A-11-133			0.34				
A-11-135			0.24				

CHARGES \$ 24.50

INVOICE NO. 16437

REGISTERED ASSAYER  
 PETE S. FLORES  
 6/22/79  
 Arizona U.S.A.  
 ASSAYER-CHEMIST

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS • CHEMISTS • METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE June 22, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM		
A-11-121			> 2000					
122			> 2000					
123			> 2000					
124			> 2000					
125			> 2000					
126			> 2000					
127			> 2000					
128			> 2000					
129			> 2000					
130			> 2000					
131			> 2000					
132			> 2000					
133			> 2000					
134			1820					
135			> 2000					
136			479					
137			439					
138			454					

REGISTERED ASSAYER  
 CERTIFICATE # 5887  
 PETE S. FLORES  
 Date 6/22/79  
 Arizona U. S. A.  
 ASSAYER-CHEMIST

CHARGES \$ 45.00

Telephone # 16127

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

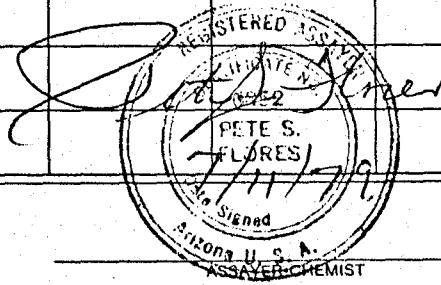
COMPOSITE

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE July 11, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11							
1-5	.015	0.78	0.40			.0019	
54-63	.009	0.66	1.63			.0022	
81-84	.011	0.55	0.42			.0014	
92-100	.009	0.41	1.45			.0033	



CHARGES \$ 53.40

INVOICE NO. 16472



Hole A-11

Sample Number	Rock Unit	Depth Interval	Footage	Cu Value	Note
Leached capping-sulfide interface basal fault.					
--	fault gouge	4261-4262	1	N.A.	fault gouge
A-11-38	p&pi	4262-4264	2	0.49	tr cc w/bn
-39	"	4264-4271	7	0.28	
-1	"	4271-4273	2	0.30	
-2	p&pi	4273-4279	6	0.43	
-3	Lbfp	4279-4283	4	0.44	
-4	p&pi	4283-4288	5	0.39	
-5	"	4288-4291	3	0.50	
-6	"	4291-4299	8	0.45	end of tr cc
-7	"	4299-4304	5	0.36	bn diss.
-8	"	4304-4314	10	0.35	
-9	"	4314-4324	10	0.40	
-10	p&pi	4324-4332	8	0.76	
-11	Lbfp	4332-4337	5	0.45	
-12	"	4337-4343	6	0.26	
-13	"	4343-4345	2	0.62	
-14	"	4345-4352	7	0.18	
-15	"	4352-4359	7	0.47	
-16	"	4359-4361	2	0.17	
-17	"	4361-4370	9	0.44	
-18	"	4370-4377	7	0.19	
-19	"	4377-4384	7	0.32	
-20	"	4384-4387	3	0.43	
-21	Lbfp	4387-4390	3	1.24	
-22	p&pi	4390-4400	10	0.40	
-23	"	4400-4410	10	0.37	
-24	"	4410-4417	7	0.42	
-25	p&pi	4417-4422	5	0.33	
-26	Lbfp	4422-4432	10	0.51	
-27	p&pi	4432-4441	9	0.29	
-28	Lbfp	4441-4450	9	0.49	
-29	p&pi	4450-4460	10	0.41	
-30	p&pi	4460-4468	8	0.36	
-31	Lbfp	4468-4476	8	0.79	
-32	p&pi	4476-4488	12	0.34	
-33	Lbfp	4488-4498	10	0.64	
-34	Lbfp	4498-4507	9	0.28	
-35	p&pi	4507-4514	7	0.21	
-36	"	4514-4521	7	0.31	
-37	"	4521-4530	9	0.29	
-40	"	4530-4535	5	0.29	
-41	"	4535-4546	11	0.29	
-42	"	4546-4553	7	0.40	bn diss.
-43	"	4553-4562	9	2.08	qsv bx
-44	"	4562-4567	5	1.44	qsv bx
-45	"	4567-4577	10	0.80	
-46	"	4577-4586	9	0.65	
-47	"	4586-4593	7	0.42	
-48	"	4593-4599	6	0.44	
-49	"	4599-4608	9	0.22	
-50	"	4608-4614	6	1.72	qsv bx

Sample Number	Rock Unit	Depth Interval	Footage	Cu Value	Note
-51	pεpi	4614-4621	7	0.86	qsv bx
-52	"	4621-4629	8	0.59	
-53	"	4629-4637	8	0.40	
-54	"	4637-4642	5	2.55	qsv bx
-55	"	4642-4647	5	7.75	qsv bx
-56	"	4647-4655	8	1.33	qsv bx
-57	"	4655-4662	7	0.51	
-58	"	4662-4672	10	0.63	
-59	"	4672-4680	8	1.03	qsv bx
-60	"	4680-4687	7	0.29	
-61	"	4687-4696	9	1.35	qsv
-62	"	4696-4706	10	1.12	qsv
-63	"	4706-4712	6	3.04	qsv
-64	pεpi	4712-4717	5	0.65	
-65	Lbfp	4717-4720	3	0.06	
-66	pεpi	4720-4728	8	0.42	
-67	"	4728-4731	3	2.96	qsv bx
-68	"	4731-4737	6	0.72	
-69	"	4737-4746	9	0.56	
-70	"	4746-4756	10	0.14	
-71	"	4756-4759	3	0.25	
-72	"	4759-4767	8	0.94	qsv bx
-73	pεpi	4767-4774	7	1.13	qsv bx
-74	Lbfp	4774-4778	4	0.31	
-75	"	4778-4781	3	0.11	
-76	Lbfp	4781-4786	5	0.68	
-77	pεpi	4786-4796	10	0.52	
-78	"	4796-4803	7	0.62	
-79	pεpi	4803-4807	4	10.24	qsv bx
-80	Lbfp	4807-4818	11	4.18	qsv bx
-81	pεpi	4818-4826	8	0.39	
-82	"	4826-4836	10	0.64	
-83	"	4836-4846	10	0.48	
-84	"	4846-4857	11	0.33	
-85	pεpi	4857-4861	4	0.24	
-86	Lbfp	4861-4865	4	0.23	
-87	Lbfp	4865-4869	4	0.80	qsv bx
-88	pεpi	4869-4873	4	0.64	
-NS*	"	4873-4877	4	LC**	**Lost core
-89	pεpi	4877-4879	2	0.34	
-90	Lbfp	4879-4883	4	0.66	
-91	"	4883-4890	7	0.27	
-92	"	4890-4894	4	2.08	qsv bx
-NS	Lbfp?	4894-4901½	7½	LC	qsv bx?
-93	Lbfp & pεpi	4901½-4906½	5	2.64	qsv bx
-94	Lbfp & pεpi	4906½-4911	4½	0.40	qv bx
-95	Lbfp	4911-4915½	4½	1.09	qsv bx
-96	"	4915½-4920	4½	2.03	qsv bx
-97	"	4920-4922½	2½	0.54	qsv bx
-NS	"	4922½-4926½	4	LC	qsv bx?
-98	"	4926½-4930	3½	2.21	qsv bx
-99	Lbfp	4930-4935½	5½	0.88	qsv bx

Sample Number	Rock Unit	Depth Interval	Footage	Cu Value	Note
-100	p&pi	4935½-4939½	4	1.11	qsv bx
AX Wedge placed in hole, recored interval as noted.					
-101	Lbfp	4924-4928	4	0.47	qsv bx
-NS	"	4928-4931	3	LC	qsv bx
-102	Lbfp	4931-4936	5	1.04	qsv bx
-103	p&pi	4936-4938	2	0.29	qsv bx
-104	Lbfp	4938-4940	2	1.50	qsv bx
-NS	Lbfp?	4940-4943	3	LC	qsv bx?
-105	p&pi	4943-4949	6	0.41	
-106	"	4949-4952½	3½	0.28	
-107	"	4952½-4954½	2	0.51	
-108	"	4954½-4959	4½	0.45	
-109	"	4959-4964	5	0.33	
-110	"	4964-4969	5	0.16	
-111	p&pi	4969-4975½	6½	0.24	
-112	Lbfp	4975½-4980½	5	0.25	
-113	p&pi	4980½-4988½	8	0.36	
-114	"	4988½-4998	9½	0.37	
-115	"	4998-5003½	5½	1.12	qsv
-116	"	5003½-5004½	1	54.60	qsv
-117	"	5004½-5009½	5	4.35	qsv bx
-118	"	5009½-5017½	8	0.97	qsv bx
-119	"	5017½-5023	5½	0.25	
-120	"	5023-5030	7	0.29	
-121	"	5030-5036	6	0.73	
-122	p&pi	5036-5040	4	0.32	
-123	Lbfp & p&pi	5040-5047	7	0.73	
-124	" " "	5047-5052	5	0.56	
-125	Lbfp & p&pi	5052-5062	10	0.28	
-126	p&pi	5062-5071	9	0.23	
-127	"	5071-5084	13	0.52	
-128	"	5084-5086	2	5.17	qsv bx
-129	"	5086-5097	11	0.42	
-130	"	5097-5106	9	0.50	
-131	"	5106-5114	8	0.27	
-132	"	5114-5122	8	0.42	
-133	"	5122-5132	10	0.34	
-134	"	5132-5142	10	0.18	
-135	p&pi	5142-5152	10	0.24	
-136	Lbfp	5152-5159	7	0.05	
-137	p&pi	5159-5168	9	0.04	
-138	p&pi	5168-5175	7	0.05	

T.D.

\*NS = No sample

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE March 21, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-1			0.30				
A-11-2			0.43				
A-11-3			0.44				
A-11-4			0.39				
A-11-5			0.50				
A-11-6			0.45				
A-11-7			0.36				
A-11-8			0.35				
A-11-9			0.40				
A-11-10			0.76				
A-11-11			0.45				
A-11-12			0.26				
A-11-13			0.62				
A-11-14			0.18				
A-11-15			0.47				
A-11-16			0.17				
A-11-17			0.44				
A-11-18			0.19				
A-11-19			0.32				
A-11-20			0.43				
A-11-21			1.24				
A-11-22			0.40				
A-11-23			0.37				
A-11-24			0.42				
A-11-25			0.33				

CHARGES \$ 68.75

INVOICE NO. 16222

*Patricia A. Stuel*  
 REGISTERED ASSAYER  
 3/21/79  
 Arizona U. S. A.  
 ASSAYER-CHEMIST

3441 East Milber

Phone 889-5787

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE March 21, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-26			0.51				
A-11-27			0.29				
A-11-28			0.49				
A-11-29			0.41				
A-11-30			0.36				
A-11-31			0.79				
A-11-32			0.34				
A-11-33			0.64				
A-11-34			0.28				
A-11-35			0.21				
A-11-36			0.31				
A-11-37			0.29				

CHARGES \$ 33.00  
 INVOICE NO 16222

3441 East Milber

Phone 889-5787

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS • CHEMISTS • METALLURGISTS

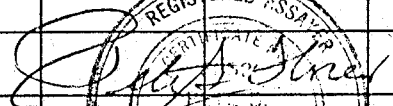
TUCSON, ARIZONA 85714



SAMPLE SUBMITTED BY ASARCO, INC.

DATE March 24, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM		
A-11-38			0.49					
A-11-39			0.28					
A-11-40			0.29					
A-11-41			0.29					
A-11-42			0.40					
A-11-43			2.08					
A-11-44			1.44					
A-11-45			0.80					
A-11-46			0.65					
A-11-47			0.42					

  
REGISTERED ASSAYER  
Arizona U. S. A.  
3/24/79  
Signed

CHARGES \$ 27.50

INVOICE NO. 16232

ASSAYER • CHEMIST

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE April 19, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-48			0.44				
A-11-49			0.22				
A-11-50			1.72				
A-11-51			0.86				
A-11-52			0.59				
A-11-53			0.40				
A-11-54			2.55				
A-11-55			7.75				
A-11-56			1.33				
A-11-57			0.51				
A-11-58			0.63				
A-11-59			1.03				
A-11-60			0.29				
A-11-61			1.35				
A-11-62			1.12				
A-11-63			3.04				
A-11-64			0.65				
A-11-65			0.06				
A-11-66			0.42				
A-11-67			2.96				
A-11-68			0.72				
A-11-69			0.56				
A-11-70			0.14				

REGISTERED ASSAYER  
 CERTIFICATE NO. 5852  
 PETE S. FLORES  
 Date Signed 4/19/79  
 Arizona U. S. A.

CHARGES \$ 65.25

INVOICE NO. 16290

ASSAYER-CHEMIST

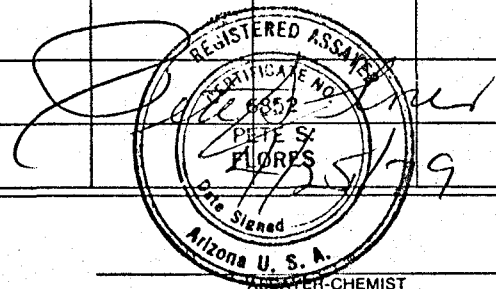
## AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.DATE April 25, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-71			0.25				
A-11-72			0.94				
A-11-73			1.13				
A-11-74			0.31				
A-11-75			0.11				
A-11-76			0.68				
A-11-77			0.52				

CHARGES \$ 19.25INVOICE NO. 16315



# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

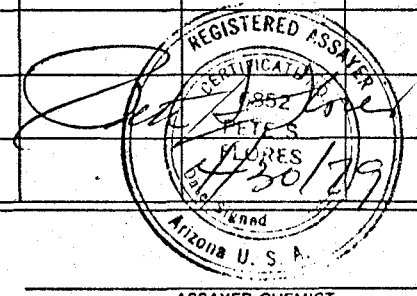
TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE April 30, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-78			0.62				
A-11-79			10.24				
A-11-80			4.18				
A-11-81			0.39				
A-11-82			0.64				
A-11-83			0.48				
A-11-84			0.33				

CHARGES \$ 20.25  
INVOICE NO. 16329



ASSAYER-CHEMIST

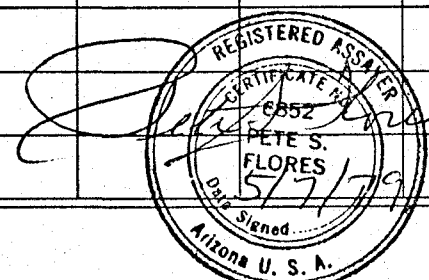
## AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.DATE May 7, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-85			0.24				
A-11-86			0.23				
A-11-87			0.80				
A-11-88			0.64				
A-11-89			0.34				
A-11-90			0.66				
A-11-91			0.27				
A-11-92			2.65				
A-11-93			2.98				
A-11-94			0.39				
A-11-95			1.23				
A-11-96			2.20				

*y see no-assay of 7/11/79*CHARGES \$ 33.00INVOICE NO. 16341

ASSAYER-CHEMIST

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

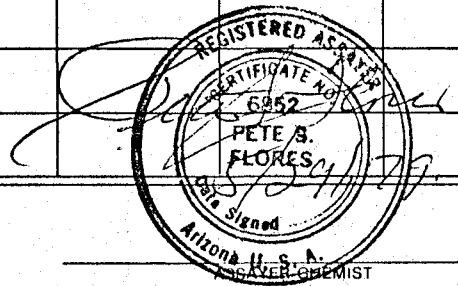
DATE May 29, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-97			0.48				
A-11-98			2.15				
A-11-99			1.05				
A-11-100			0.96				

↑  
Sum = 6.68  
74/5/79

CHARGES \$ 11.00

INVOICE NO. 16380



## AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

RE-ASSAY

SAMPLE SUBMITTED BY ASARCO, INC.

DATE July 11, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-92			2.08				
A-11-93			2.64				
A-11-94			0.40				
A-11-95			1.09				
A-11-96			2.03				
A-11-97			0.54				
A-11-98			2.21				
A-11-99			0.88				
A-11-100			1.11				

CHARGES \$ N/C

INVOICE NO. \_\_\_\_\_

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

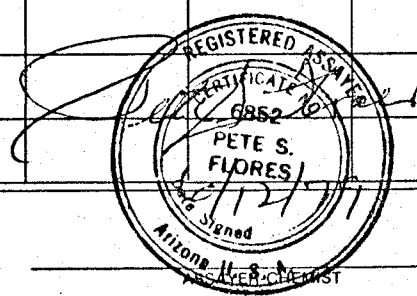
ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE June 12, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-101			0.47				
A-11-102			1.04				
A-11-103			0.29				
A-11-104			1.50				
A-11-105			0.41				
A-11-106			0.28				
A-11-107			0.51				
A-11-108			0.45				
A-11-109			0.33				
A-11-110			0.16				
A-11-111			0.24				
A-11-112			0.25				
A-11-113			0.36				
A-11-114			0.37				
A-11-115			1.12				
A-11-116			54.6				
A-11-117			4.35				
A-11-118			0.97				
A-11-119			0.25				
A-11-120			0.29				



CHARGES \$ 56.00  
 INVOICE NO. 16412

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

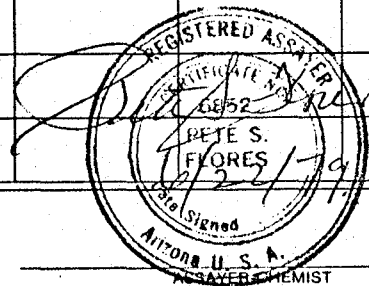
TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE June 22, 1979

2000 PPM

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11-121			0.73				
A-11-122			0.32				
A-11-123			0.73				
A-11-124			0.56				
A-11-125			0.28				
A-11-126			0.23				
A-11-127			0.52				
A-11-128			5.17				
A-11-129			0.42				
A-11-130			0.50				
A-11-131			0.27				
A-11-132			0.42				
A-11-133			0.34				
A-11-135			0.24				



CHARGES \$ 24.50  
 INVOICE NO. 16437

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS · CHEMISTS · METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE June 22, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PPM COPPER	PPM LEAD	PPM ZINC	PPM MOLYBDENUM		
A-11-121			> 2000					
122			> 2000					
123			> 2000					
124			> 2000					
125			> 2000					
126			> 2000					
127			> 2000					
128			> 2000					
129			> 2000					
130			> 2000					
131			> 2000					
132			> 2000					
133			> 2000					
134			1820					
135			> 2000					
136			479					
137			439					
138			454					

REGISTERED ASSAYER  
 CERTIFICATE NO. 5887  
 PETE S. FLORES  
 DATE 6/22/79  
 ARIZONA U.S.A.  
 ASSAYER-CHEMIST

CHARGES \$ 45.00  
 Invoice # 16437

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

COMPOSITE

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.

DATE July 11, 1979

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-11							
1-5	.015	0.78	0.40			.0019	
54-63	.009	0.66	1.63			.0022	
81-84	.011	0.55	0.42			.0014	
92-100	.009	0.41	1.45			.0033	

CHARGES \$ 53.40

INVOICE NO. 16472



December 26, 1979

TO: F. T. Graybeal

FROM: J. D. Sell

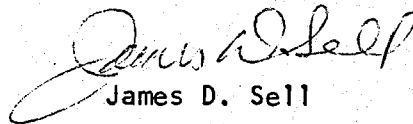
Quarterly Report  
October-December 1979  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

No drilling progress map is attached, as no new work has been done during the quarter.

Continued discussions with core and directional drilling contractors have been conducted, but contracts have not been extended.

Drill road access is being cleaned and the A-11 drill site expanded to accommodate the additional material anticipated for directional drilling and renewed coring from the site.

  
James D. Sell

JDS:1b

# ASARCO

Southwestern Exploration Division

March 31, 1980

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
Jan.-March, 1980  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Continental Copper Company, I submit this quarterly report on the Margaret claim block.

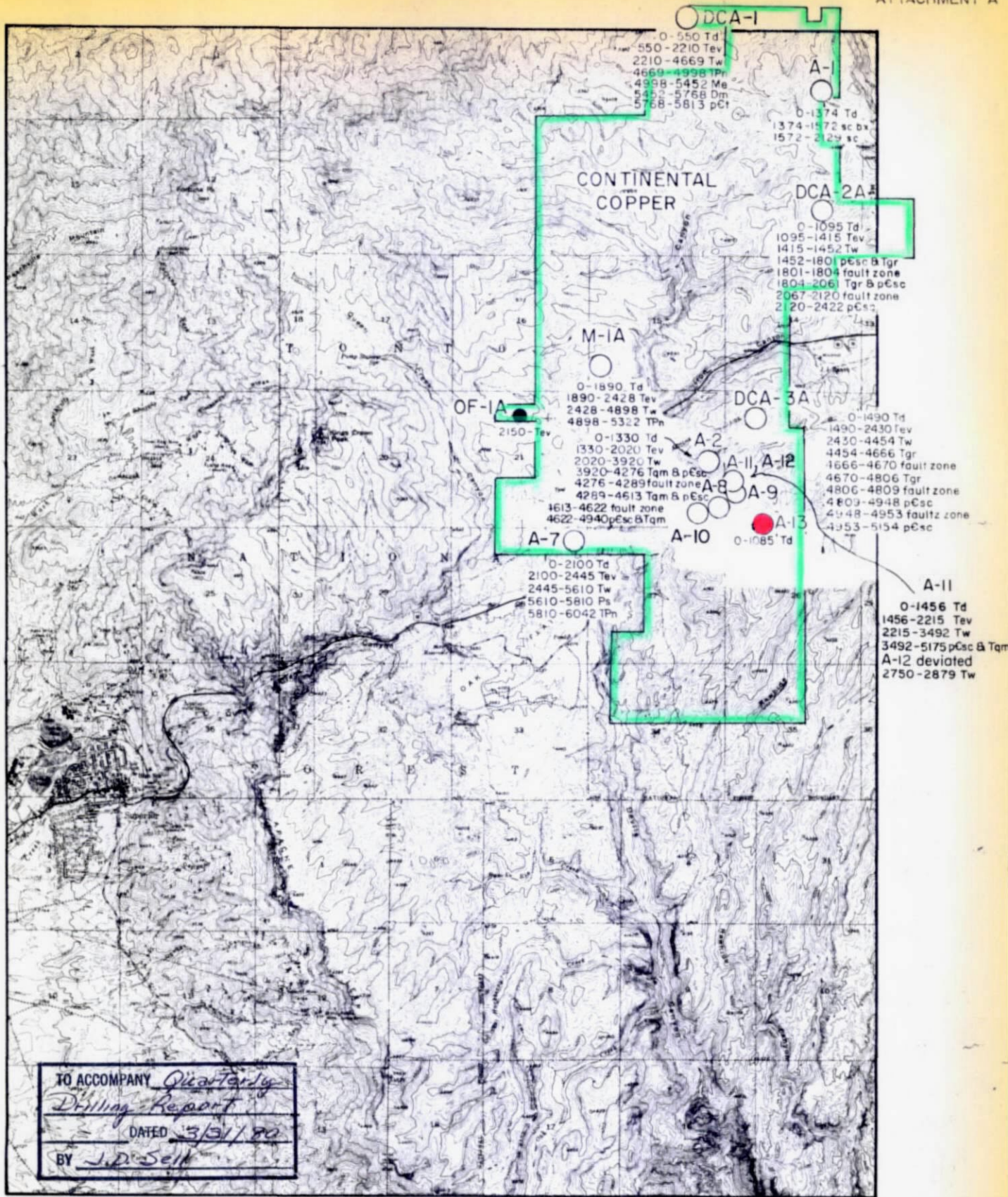
In early January, Joy drill crews moved onto the A-11 site and cut and pulled casing from 2932 feet, cleaned the NX hole, and placed a cement plug which was dressed to the depth of 2750 feet.

At this point Thompson and Associates, Dyna-drill operators, initiated the deviated hole A-12. Kick-off was not accomplished by the Dyna-drill and a steel wedge was implanted and conventional core kick-off established. Dyna-drill operations were again initiated and taken to 2879 feet with numerous difficulties. T&A's Dyna-drill contract was terminated and the hole reamed, cleaned, and cored to the depth of 2894 feet (NX) where it was temporarily terminated in early March in Whitetail Conglomerate.

Drill road access and site submittals for several areas were submitted to the Forest Service and verbal permission has been received. Road access to the south has been completed, as well as a drill hole site (A-13). The Joy drill rig was moved to drill hole site A-13 and drilling commenced. By the end of the period, drill hole A-13 had cored NC from the surface to 1085 feet in Tertiary dacite volcanic.

*James D. Sell*  
James D. Sell

JDS:lb  
Att.



EXPLANATION

- Previous drill hole
- ASARCO drill hole
- DCA-1 (hole designation)
- 40ft Tw
- P → Rock type
- ⊕ Bottom hole depth
- ⊕ Proposed hole

POST-MINERAL ROCK UNIT

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

PRE-MINERAL ROCK UNIT

- 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 *Jan, Feb, Mar, & 1980*  
SUPERIOR EAST  
GILA & PINAL COUNTYS, ARIZ.  
SCALE 1" = 1 mile J. D. S.

June 30, 1980

TO: F. T. Graybeal

FROM: J. D. Sell

Quarterly Report  
April-May-June, 1980  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

During the quarter, Joy drill hole A-13 cored from 1085 feet to 3429 feet, a distance of 2344 feet. The hole size was NC from the surface to 2363 feet, where casing was set and the hole reduced to NX size.

Synopsis of the hole follows:

Surface-1580'	Tertiary Dacite
1580'-2036'	Tertiary Earlier Volcanics
2036'-3071'	Tertiary Whitetail Conglomerate
3071'-3429'	Precambrian Pinal Schist

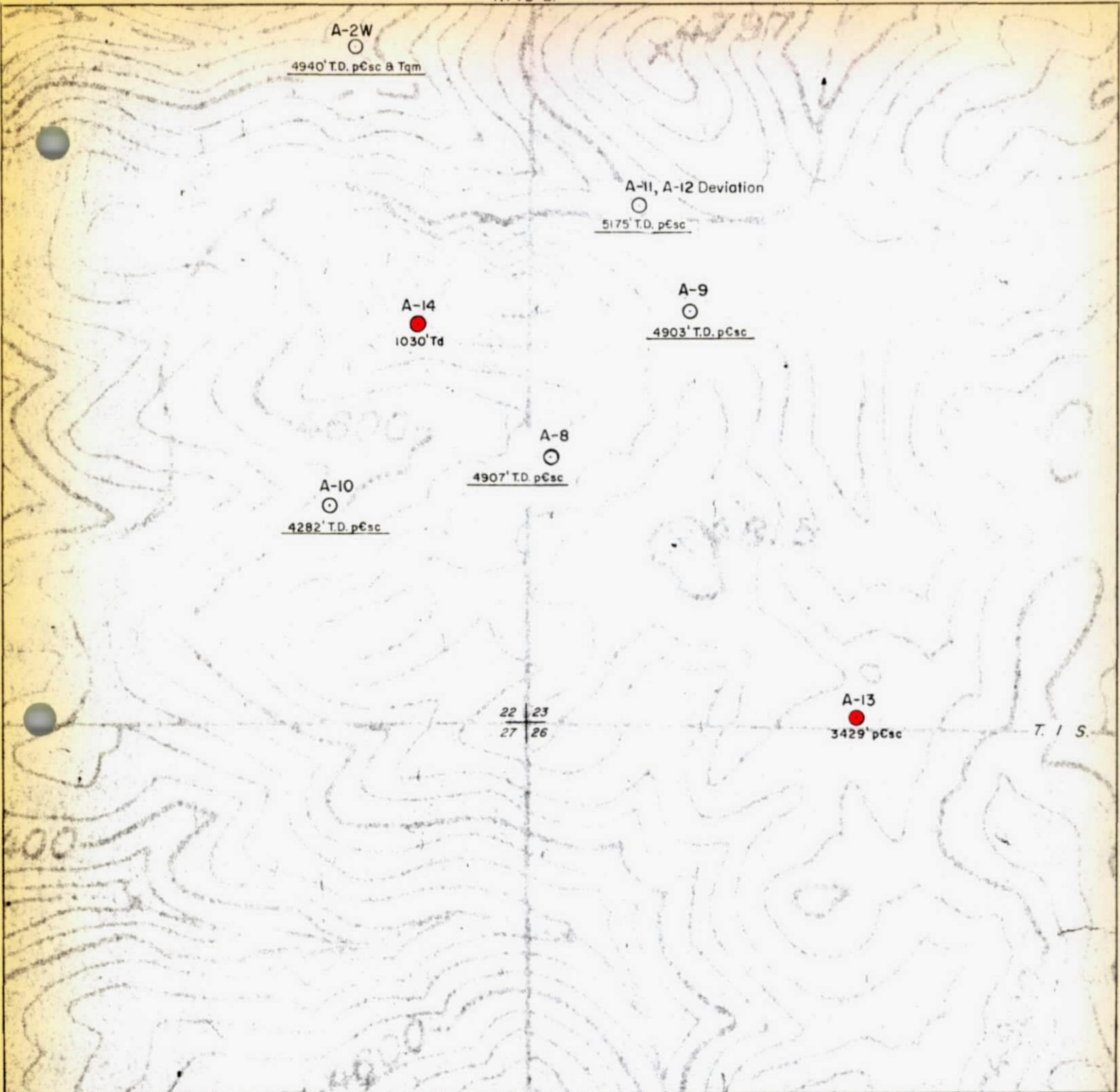
The pre-Tertiary unit has not been logged in detail, but apparently contains some silicification and narrow veins of specular hematite with bands of quartz-sericite. All the schist has been oxidized.

A drill road and site were placed north of hole A-10 and west of hole A-9. The new hole is designated as A-14 and at present has an air-rotary rig which has taken the hole from the surface to 1030 feet; all in Tertiary Dacite formation.

Further access road building was commenced westerly from hole A-10 and has turned south parallel to the Devils Canyon drainage. The road will provide access to potential drill sites in the area.

*James D. Sell*  
James D. Sell

JDS:lb  
Att.




**EXPLANATION**

POST-MINERAL ROCK UNIT

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

PRE-MINERAL ROCK TYPE

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- Pn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist

A-8  
  
 4907' T.D. pCsc

ASARCO Hole & Designation  
 Total Depth-Rock Type

 Proposed Drill Site

TO ACCOMPANY <i>Quarterly</i>
<i>Drilling Report</i>
DATED <i>6/30/80</i>
BY <i>J.D. Sell</i>

N



**DRILLING PROGRESS MAP**  
 For The 2<sup>nd</sup> Quarter, 1980  
**CONTINENTAL COPPER CORP.**  
 PINAL COUNTY, ARIZONA  
 SCALE: 1"=500'

J.D. Sell

June 1977

September 30, 1980

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
July-Aug.-Sept., 1980  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

During the quarter, Joy drill hole A-13 cored from 3429 feet to 4663 feet where the hole was terminated. The hole continued in Precambrian Pinal Schist to that depth. The first sulfides were at 3499 feet, with some oxidation extending along fractures to a greater depth. Sulfides include pyrite, chalcopyrite, and minor chalcocite along quartz-sericite bands, breccia zones, and quartz veins.

Assays received to date include the following intercepts:

3499'-3564' = 65' @ 0.41% Cu  
4040'-4048' = 8' @ 0.39% Cu  
4419'-4547' = 128' @ 0.05% Cu

Minor gold (0.001-0.002) and silver (0.02-0.05) values are also indicated.

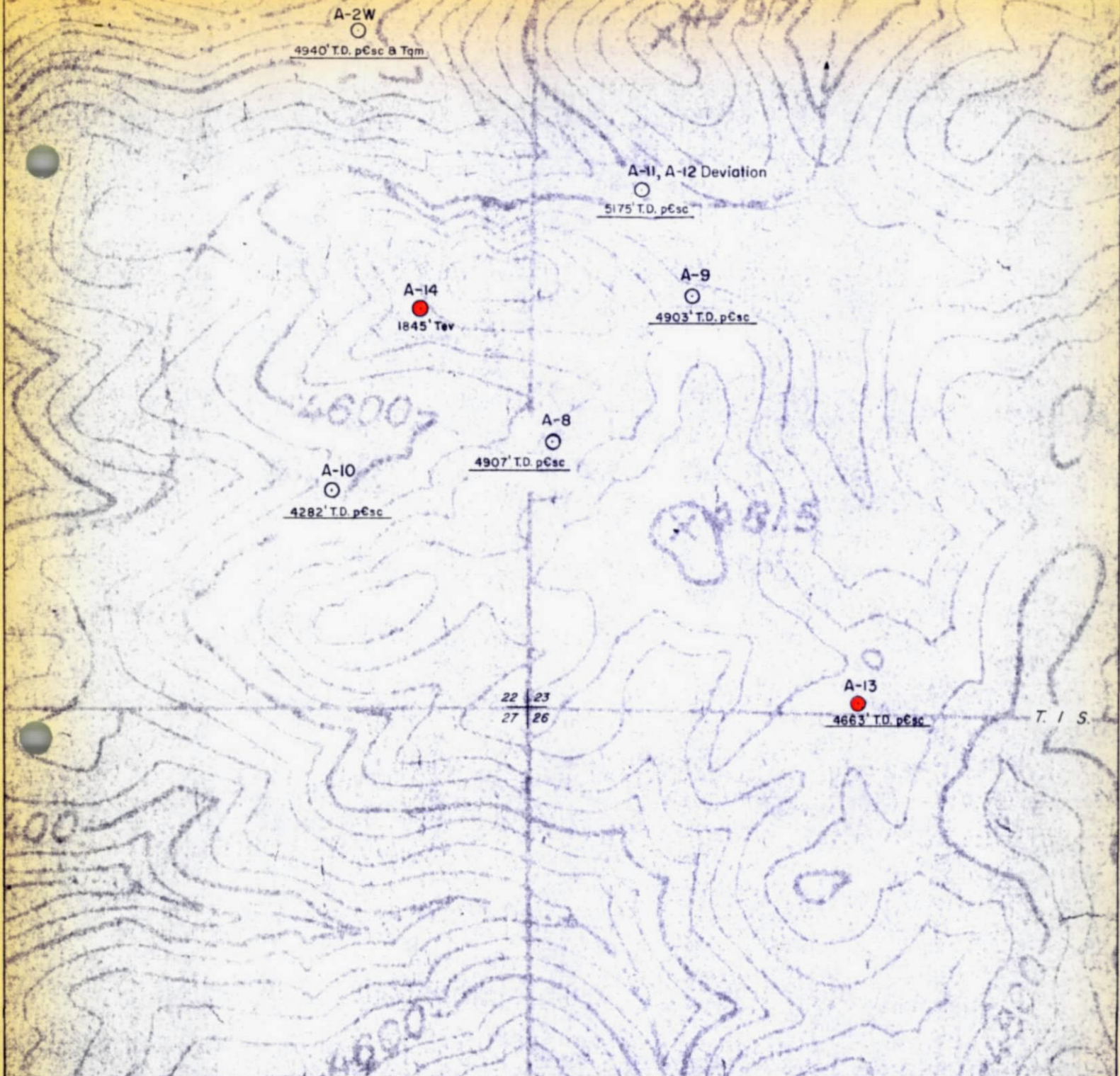
Upon completion of A-13, the Joy rig was moved to hole A-14 which had previously been rotary drilled and cased to 1534 feet. Joy continued the hole A-14 by NC core to a depth of 1845 feet.

The surface to 1646 feet was Tertiary dacite, with Tertiary earlier volcanics below.

  
James D. Sell

JDS:lb  
Att.

cc: GWPickard



**EXPLANATION**

POST-MINERAL ROCK UNIT

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

PRE-MINERAL ROCK TYPE

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- IPn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pEt-Troy Quartz
- pCdb-Diabase
- pEsc-Schist

A-8  
 4907' T.D. pEsc ASARCO Hole & Designation  
 Total Depth-Rock Type

+ Proposed Drill Site

TO ACCOMPANY <i>Quarterly</i>
<i>Drilling Report</i>
DATED <i>9/30/80</i>
BY <i>J.D. Sell</i>



**DRILLING PROGRESS MAP**  
 For The 3<sup>rd</sup> Quarter, 1980  
**CONTINENTAL COPPER CORP.**  
 PINAL COUNTY, ARIZONA  
 SCALE : 1" = 500'

J.D. Sell

June 1977

# ASARCO

Southwestern Exploration Division

January 6, 1981

TO: W. L. Kurtz

FROM: G. W. Pickard

Quarterly Report  
Oct.-Nov.-Dec., 1980  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block. During the quarter, Joy drill hole A-14 cored from 1845-4296 feet. Tertiary earlier volcanics continued to 2290 feet, unmineralized Whitetail conglomerate to 3467 feet, oxidized Pinal schist and quartz monzonite to 3841 feet, and in altered and hematite stained Pinal schist with barren 1/8-1/4" quartz veining and cut by short intervals of highly sericitized quartz monzonite to 4296 feet. No remnants of former sulfides were noted.

Drilling will continue into the first quarter of 1981.

Hole No. A-13 has been split from 3676 to 4654 feet and assay results are still pending.



G. W. Pickard

GWP:1b



# ASARCO

Southwestern Exploration Division

March 30, 1981

TO: W. L. Kurtz

FROM: J. D. Sell

Quarterly Report  
Jan.-Feb.-March, 1981  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

During the quarter, Joy drill hole A-14 cored from 4296 feet to 5722 feet, the terminated depth. A minor amount of mineralization was found in the first part of the unoxidized core, but rapidly dropped off until the hole was terminated. The core has not been logged in detail and only scattered intervals have been split for assay. These assays, A-14-1 through A-14-8, are attached with the split footage (AARL reports dated Jan. 31 and Feb. 5, 1981).

Assay values for split core in drill hole A-13 have also been received and the Jan. 16, 1981 AARL sheets (5) are attached with the split footage code sheet. Also attached are four separate sheets of scattered initial assays.

The drill hole A-12, a deviated hole out of the lower portion of hole A-11, has been reentered and presently a Navi-Drill is operating for a controlled hole to the south. As of the end of the quarter, the hole had progressed from a depth of 2894 feet to *3238 in white-tail conglomerate.*

*James D. Sell*  
James D. Sell

JDS:lb

Atts: AARL Reports (A-13) dated Aug. 5, Sept. 8, Sept. 25, and Oct. 8, 1980  
AARL Report dated Jan. 16, 1981 (A-13-1 thru A-13-101) with footage code  
AARL Report dated Jan. 31, 1981 (A-14-1 thru A-14-5)  
AARL Report dated Feb. 5, 1981 (A-14-6 thru A-14-8)  
Drilling Map

cc: GWPickard - w/map

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

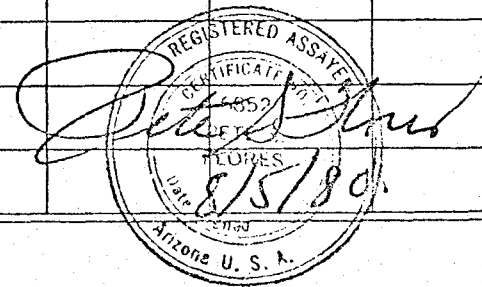
ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.  
Attn: Mr. J. Sells

DATE Aug. 5, 1980

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PPM MOLYBDENUM	PERCENT IRON	
A-13 4040-4048	.003	0.06	0.39			13		



CHARGES \$ 13.50

INVOICE NO. 17561

ASSAYER-CHEMIST

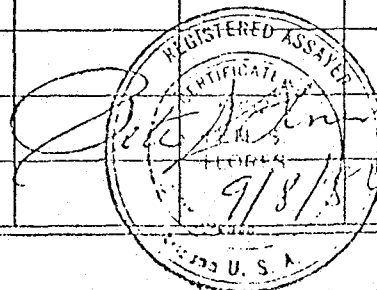
## AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.  
Attn: Mr. G. W. PickardDATE Sept. 8, 1980

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PPM MOLYBDENUM	PERCENT IRON	
A-13 4419-4422.5	.002	0.10	0.04			38		
4422.5-4431	.013	0.07	0.03			16		
4431-4439	.001	0.01	0.02			36		
4439-4445.5	.003	0.04	0.01			9		
4445.5-4452.2	.002	0.01	0.07			24		
4452.5-4462.5	.001	0.01	0.02			102		
4462.5-4469.5	.002	0.03	0.03			19		
4469.5-4476	.003	0.07	0.27			25		
4476-4483	.005	0.07	0.01			72		
4483-4487	.001	0.02	0.06			16		
4487-4492	.002	0.05	0.05			43		
4492-4502	.003	0.08	0.06			11		
4504-4510	.004	0.10	0.05			20		
4510-4518	.001	0.01	0.06			27		
4518-4523	.003	0.09	0.02			24		
4523-4532	.002	0.02	0.01			31		
4532-4538	.003	0.08	0.02			12		
4538-4545	.002	0.06	0.03			11		
4545-4547	.001	0.01	0.02			14		

CHARGES \$ 223.25

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

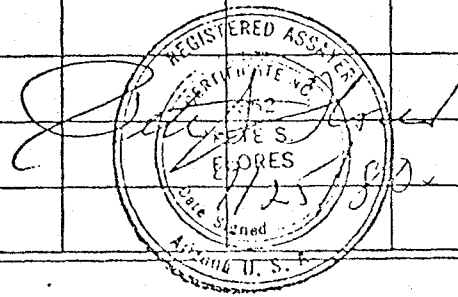
ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.  
 Attn: Mr. G. W. Pickard

DATE Sept. 25, 1980

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PPM MOLYBDENUM	PERCENT IRON
A-13 3499-3510	.004	0.05	0.44			79	
3510-3519	.002	0.03	0.32			49	
3519-3529	.001	0.02	0.38			14	
3529-3535	.001	0.03	0.57			14	
3535-3540	.005	0.04	0.84			66	
3540-3549	.002	0.03	0.06			60	
3549-3554	.003	0.02	0.87			87	
3554-3562	.001	0.03	0.05			10	
3562-3564	.002	0.05	1.00			44	



CHARGES \$ 105.75  
 INVOICE NO. 17706

\_\_\_\_\_  
 ASSAYER-CHEMIST

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

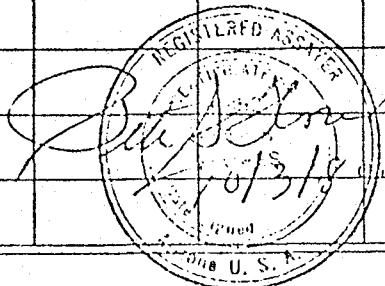
TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.  
Attn: Mr. G. W. Pickard

DATE Oct. 3, 1980

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	MOLYBDENUM	PERCENT IRON	
A-13:								
3564-3579	.002	0.07	0.21			12		
3579-3585	.001	0.06	0.18			50		
3585-3589	.001	0.03	0.64			19		
3589-3602	.003	0.05	0.10			12		
3602-3606	.002	0.04	0.28			24		
3606-3618	.003	0.06	0.42			10		
3618-3625	.004	0.07	0.27			15		
3625-3637	.001	0.03	0.13			19		
3637-3650	.002	0.04	1.62			27		
3650-3660	.001	0.02	1.24			49		
3660-3670	.003	0.05	0.16			9		
3670-3676	.004	0.07	1.04			43		

CHARGES \$ 141.00



# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

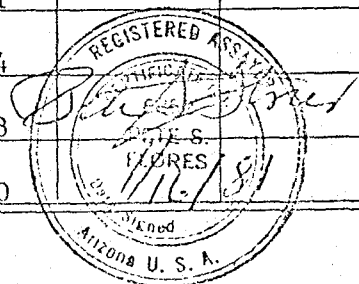
TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, Inc.

DATE Jan. 16, 1981

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-13							
1	Trace	Trace	2.45			.0064	
2	Trace	Trace	0.32			.0019	
3	Trace	Trace	0.83			.0009	
4	Trace	Trace	0.57			.0002	
5	Trace	Trace	0.03			<.0001	
6	Trace	Trace	0.48			.0002	
7	Trace	Trace	0.09			.0005	
8A	Trace	Trace	0.08			.0006	
9	.001	0.14	2.60			.0009	
10	.001	0.13	0.31			.0002	
11	Trace	0.13	0.05			.0002	
12	.001	0.16	0.06			.0001	
13	.001	0.14	0.47			.0013	
14	Trace	0.10	0.08			.0003	
15	Trace	0.16	0.07			.0004	
16	Trace	0.01	0.04			.0003	
17	Trace	0.13	1.37			.0008	
18	Trace	0.09	0.16			.0002	
19	.001	0.17	0.63			.0003	
20	Trace	0.17	0.25			.0007	
21	Trace	0.15	0.07			.0003	
22	Trace	0.29	0.14			.0001	
23	Trace	0.12	0.22			.0004	
24	Trace	0.12	0.04			.0003	
25	Trace	0.13	0.22			.0010	

CHARGES \$ 337.50



# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

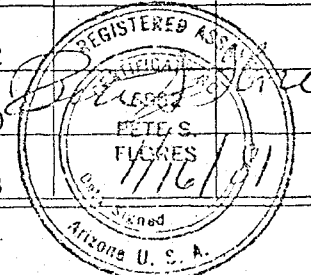
ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO

DATE Jan. 16, 1981

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-13							
26	.001	0.16	0.32			.0002	
27	.001	0.18	0.53			.0015	
28	Trace	0.11	0.06			.0010	
29	Trace	0.16	0.10			.0008	
30	.001	0.42	0.40			.0002	
31	.001	0.21	0.92			.0002	
32	.001	0.18	8.65			.0023	
33	.001	0.15	0.57			.0004	
34	.001	0.17	0.65			.0003	
35	.001	0.19	5.20			.0007	
36	.001	0.22	3.05			.0006	
37	Trace	0.20	0.37			.0008	
38	Trace	0.19	0.96			.0011	
39	.001	0.15	0.77			.0010	
40	Trace	0.18	0.82			.0003	
41	Trace	0.17	0.45			.0002	
42	.001	0.18	0.07			.0002	
43	Trace	0.14	0.38			.0001	
44	Trace	0.08	0.16			.0008	
45	.001	0.12	0.04			.0003	
46	.001	0.18	0.03			.0002	
47	.001	0.16	0.03			.0010	
48	Trace	0.12	0.02			.0012	
49	.001	0.19	0.03			.0010	
50	.001	0.15	0.05			.0003	



CHARGES \$ 337.50

PROJECT NO 18022

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

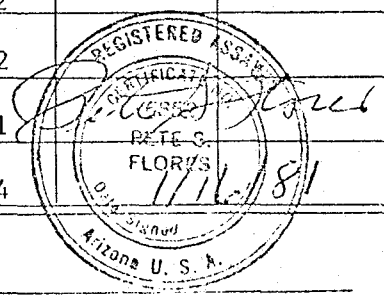
ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO

DATE Jan. 16, 1981

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-13							
51	.001	0.20	0.01			.0015	
52	Trace	0.17	0.03			.0008	
53	.001	0.18	0.08			.0005	
54	.001	0.14	0.06			.0003	
55	.001	0.17	0.05			.0002	
56	.001	0.19	0.07			.0004	
57	.002	0.22	0.23			.0012	
58	.001	0.18	0.09			.0010	
59	Trace	0.04	0.08			.0008	
60	.001	0.18	0.02			.0011	
61	Trace	0.11	0.04			.0005	
62	Trace	0.11	0.02			.0005	
63	.001	0.17	0.10			.0015	
64	.001	0.17	0.08			.0035	
65	Trace	0.13	0.02			.0008	
66	.001	Trace	0.06			.0005	
67	.001	0.13	0.42			.0003	
68	.014	0.20	0.13			.0006	
69	.001	0.22	0.09			.0006	
70	.001	0.16	0.15			.0004	
71	.001	0.17	0.06			.0009	
72	.001	0.16	0.19			.0012	
73	Trace	0.15	0.03			.0002	
74	.001	0.17	0.05			.0001	
75	Trace	0.16	0.04			.0044	



CHARGES \$ 337.50

INVOICE NO. 18022

ASSAYER-CHEMIST



## AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCODATE Jan. 16, 1981

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-13							
76	.001	0.17	0.07			.0042	
77	.001	0.17	0.03			.0074	
78	.001	0.14	0.05			.0042	
79	Trace	0.13	0.05			.0022	
80	.001	0.15	0.03			.0015	
81	.001	0.14	0.03			.0028	
82	.001	0.15	0.02			.0029	
83	.001	0.20	0.06			.0009	
84	.001	0.15	0.01			.0021	
85	.001	0.16	0.03			.0017	
86	.001	0.17	0.03			.0029	
87	.001	0.19	0.01			.0012	
88	.001	0.17	0.01			.0026	
89	.001	0.16	0.03			.0018	
90	.001	0.17	0.02			.0034	
91	.001	0.21	0.02			.0029	
92	.001	0.17	0.02			.0015	
93	.001	0.14	0.04			.0012	
94	.001	0.21	0.03			.0017	
95	.001	0.20	0.02			.0015	
96	.001	0.14	0.03			.0012	
97	.001	0.16	0.02			.0035	
98	Trace	0.14	0.05			.0015	
99	.001	0.17	0.03			.0007	
100	.001	0.13	0.04			.0051	

CHARGES \$ 337.50INVOICE NO 18022

ASSAYER-CHEMIST

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO

DATE Jan. 16, 1981

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
A-13 101	.001	0.13	0.04			.0009	
8-b	.001	0.11	0.20			.0004	

REGISTERED ASSAYER  
 CERTIFICATE NO. 152  
 P. FLORES  
 ARIZONA U.S.A.

CHARGES \$ 27.00  
 INVOICE NO. 18022

ASSAYER-CHEMIST

TO: G. W. Pickard  
J. D. Sell

DATE: December 29, 1980

FROM: John Wood

SUBJECT: Code Sheet for A-13  
Drill Hole

<u>SAMPLE NO.</u>	<u>INTERVAL</u>	<u>SAMPLE NO.</u>	<u>INTERVAL</u>	<u>SAMPLE NO.</u>	<u>INTERVAL</u>
A-13-1	3676-3680	A-13-39	4006-4012	A-13-77	4336-4346
2	3680-3690	40	4012-4019	78	4346-4354
3	3690-3700	41	4019-4029	79	4354-4360
4	3700-3705	42	4029-4035	80	4360-4370
5	3705-3715	43	4035-4040	81	4370-4375
6	3715-3725	44	4048-4062	82	4375-4385
7	3725-3735	45	4062-4072	83	4385-4392
8 <b>A+B</b>	3735-3749	46	4072-4082 1/2	84	4392-4394.5
9	3749-3751	47	4082 1/2-4093	85	4394.5-4398
10	3751-3761	48	4093-4102	86	4398-4403
11	3761-3771	49	4102-4111	87	4403-4411
12	3771-3781	50	4111-4124	88	4411-4419
13	3781-3791	51	4124-4128	89	4417-4455
14	3791-3800	52	4128-4137	90	4455-4463
15	3800-3810	53	4137-4146	91	4463-4473
16	3810-3820	54	4146-4156	92	4473-4480
17	3820-3830	55	4156-4166	93	4480-4490
18	3830-3840	56	4166-4174	94	4490-4499
19	3840-3850	57	4174-4177	95	4499-4469
20	3850-3860	58	4177-4187	96	4469-4469
21	3860-3870	59	4187-4197	97	4469-4467
22	3870-3880	60	4197-4202	98	4467-4463
23	3880-3890	61	4202-4211	99	4463-4447
24	3890-3900	62	4211-4217	100	4447-4450
25	3900-3910	63	4217-4224	101	4450-4454
26	3910-3914	64	4224-4234		
27	3914-3919	65	4234-4241.5		
28	3919-3930	66	4241.5-4284.5		
29	3930-3940	67	4284.5-4303		
30	3940-3951	68	4303-4308.5		
31	3951-3957	69	4308.5-4316.5		
32	3957-3962 1/2	70	4316.5-4326		
33	3965-3975	71	4326-4336		
34	3975-3983	72	4293.5-4303		
35	3983-3987	73	4303-4308.5		
36	3987-3992	74	4308.5-4316.5		
37	3992-4001	75	4316.5-4326		
38	4001-4006	76	4326-4336		

AMERICAN ANALYTICAL and RESEARCH LABORATORIES

ASSAYERS - CHEMISTS - METALLURGISTS

TUCSON, ARIZONA 85714

SAMPLE SUBMITTED BY ASARCO, INC.  
Attn: Mr. C. W. Pickard

DATE Jan. 31, 1981

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
4305-4307 A-14-1			0.21				
4307-4310 2			0.07				
4656-4662 3			0.08				
4698-4702-5 4			0.26				
4702.5-4706 5			0.21				

REGISTERED ASSAYER  
 6362  
 1/31/81  
 Arizona U. S. A.  
 ASSAYER-CHEMIST

CHARGES \$ 15.00  
 INVOICE NO. 18074

# AMERICAN ANALYTICAL and RESEARCH LABORATORIES

known as: AMERICAN ANALYTICAL & METALLURGICAL LABORATORIES, INC.  
ASSAYERS - CHEMISTS - METALLURGIS

TUCSON, ARIZONA 85714

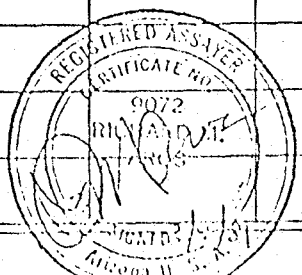
28

SAMPLE SUBMITTED BY ASARCO, INC.  
Attn.: Mr. G. W. Pickard

DATE Feb. 5, 1981

SAMPLE MARKED	GOLD OZ./TON	SILVER OZ./TON	PERCENT COPPER	PERCENT LEAD	PERCENT ZINC	PERCENT MOLYBDENUM	PERCENT IRON
4791-4791							
A-14-6			0.12				
4833-4840							
A-14-7			0.04				
4881-4886							
A-14-8			0.08				

CHARGES \$ 3.00





**EXPLANATION**

**POST-MINERAL ROCK UNIT**

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

**PRE-MINERAL ROCK TYPE**

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- Pn-Naco Limestone
- Me-Escobroso Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist

A-8  
●  
4907' T.D. pCsc

ASARCO Hole & Designation  
Total Depth-Rock Type

⊕

Proposed Drill Site

TO ACCOMPANY	<i>Quarterly</i>
	<i>Drilling Report</i>
DATED	<i>3/30/81</i>
BY	<i>J. D. Lee</i>



DRILLING PROGRESS MAP  
For The 1<sup>st</sup> Quarter, 1981  
**CONTINENTAL COPPER CORP.**  
PINAL COUNTY, ARIZONA  
SCALE: 1"=500'

J.D. Sell

June 1977

# ASARCO

Southwestern Exploration Division

June 30, 1981

TO: W. D. Payne

FROM: J. D. Sell

Quarterly Report  
April-May-June, 1981  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim block.

An error was noted in the 1st quarter's report where the terminal depth of hole A-14 should be 5738 feet (correct on the map), instead of the stated 5722 feet. Additional assays on hole A-14 have been received and are attached along with a footage key. Further assays are pending on hole A-14.

The deviated drill hole A-12 continues drilling and at the end of the quarter had reached a depth of 4666 feet. The oxide-sulfide contact was crossed during the controlled Navi-drill operation and conventional core was started at 4275 feet. Assays have been received to a depth of 4335 feet and are attached. The hole is continuing in schist, and additional assays are pending.

James D. Sell

JDS:rg

Atts: MSR & D Certificate 344 (A-14-9 thru A-14-32)  
MSR & D Certificate 345 (A-14-33 thru A-14-45)  
MSR & D Certificate 514 (A-14-46 thru A-14-59)  
Sample Number-Footage Log for A-14-9 thru A-14-44.  
MSR & D Certificate 514 (A-12-1 thru A-12-14).  
Drilling Map.

mountain states research & development  
 CERTIFICATE OF ASSAY



6/12/81

Certificate No. 344

Object No. B-31

Date 6/04/81

Date	Sample No.	Au		Ag		Cu		Mo	
		Oz/T		Oz/T		%		%	
14362	A-14 - 9	0.001		0.02		0.013		0.003	
14363	10	0.001		0.06		0.082		0.003	
14364	11	0.004		0.08		0.34		0.007	
14365	12	0.006		0.22		0.77		0.004	
14366	13	0.001		0.02		0.95		0.003	
14367	14	0.001		0.03		0.34		0.002	
14368	15	0.001		0.02		0.30		0.005	
14369	16	N.D.		0.02		0.50		0.002	
14370	17	0.001		0.02		0.218		0.003	
14371	18	0.001		N.D.		0.088		0.001	
14372	19	0.001		0.02		0.29		0.002	
14373	20	0.001		0.04		0.30		0.002	
14374	21	0.001		0.02		0.218		0.002	
14375	22	0.004		0.04		0.215		0.002	
14376	23	0.001		0.02		0.245		0.002	
14377	24	0.001		N.D.		0.27		0.002	
14378	25	0.001		0.02		0.31		0.002	
14379	26	0.001		N.D.		0.32		0.002	
14380	27	0.001		0.02		0.217		0.002	
14381	28	N.D.		0.02		0.261		0.002	
14382	29	0.001		0.02		0.28		0.002	
14383	30	0.001		0.02		0.82		0.001	
14384	31	0.001		0.02		0.155		0.001	
14385	32	0.245		0.10		2.90		0.010	

Total Charge \$ 528.00  
*# 144 Sample Prep.  
 384 Assays*

*[Signature]*  
 Chief Chemist  
 FRANK M.



mountain states research & development  
CERTIFICATE OF ASSAY

received:  
6/12/81

ASARCO

Certificate No. 345

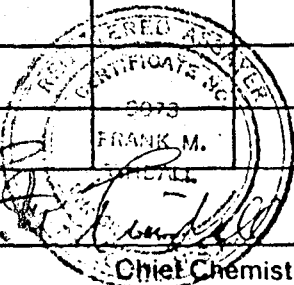
Project No. B-31

Date 6/04/81

Date	Sample No.			Au Oz/T		Ag Oz/T		Cu %		Mo %
14386	A-14 - 33			0.001		0.02		0.143		0.002
14387	34			0.001		0.02		0.074		0.002
14388	35			0.002		N.D.		0.068		0.002
14389	36			0.001		N.D.		0.067		0.002
14390	37							0.036		0.002
14391	38							0.048		0.001
14392	39							0.051		0.002
14393	40							0.046		0.001
14394	41							0.062		0.002
14395	42							0.069		0.002
14396	43							0.124		0.002
14397	44							2.10		0.002
14398	45							0.34		0.001

136.00 Assays  
84.00 Sample Prep.

Total Charge \$ 220.00



mountain states research & development

CERTIFICATE OF ASSAY

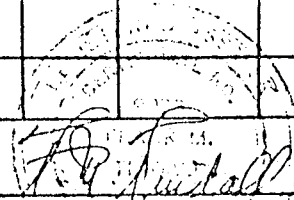
Certificate No. 514

Project No. B-31

Date 6/19/81

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
16064	A-14-46	4414	4420	---	---	0.030	0.001
<del>16065</del>	<del>A-14-47</del>	<del>4420</del>	<del>4428</del>	<del>---</del>	<del>---</del>	<del>0.050</del>	<del>0.001</del>
16066	A-14-48	5163	5169	---	---	0.060	0.013
16067	A-14-49	5169	5177	---	---	0.025	0.003
<del>16068</del>	<del>A-14-50</del>	<del>5177</del>	<del>5187</del>	<del>---</del>	<del>---</del>	<del>0.042</del>	<del>0.001</del>
16069	A-14-51	5373	5383	0.001	N.D.	0.037	0.001
16070	A-14-52	5383	5393	0.001	0.04	0.32	0.002
<del>16071</del>	<del>A-14-53</del>	<del>5393</del>	<del>5463</del>	<del>0.001</del>	<del>N.D.</del>	<del>0.029</del>	<del>0.001</del>
16072	A-14-54	5688	5698	0.001	N.D.	0.016	0.001
16073	A-14-55	5698	5708	0.001	0.05	0.027	0.001
16074	A-14-56	5708	5718	0.001	0.03	0.027	0.001
16075	A-14-57	5718	5728	0.001	N.D.	0.024	0.001
16076	A-14-58	5728	5738	0.001	N.D.	0.039	0.002
16077	A-14-59			---	---	0.168	0.003

Total Charge \$ 102.30 SAMPLE 1 REF.  
256.00 ASSAYS  
358.30

  
 Chief Chemist

100

oxidized  
SULFIDE

sc  
4096

TP

and cc

sc

TP

sc

TP

sc

TP

sc

TP

DEPTH			% CORE RECOV.	Sample A-14 #
from	to	intvl	unless noted	
4076	4086	10		9
4086	4096	10		10
4096	4106	10		11
4106	4113	7		12
4113	4123	10		13
4123	4130	7		14
4130	4140	10		15
4140	4149	9		16
4149	4159	10		17
4159	4166	7		18
4166	4172	6		19
4172	4180	8		20
4180	4190	10		21
4190	4200	10		22
4200	4207	6		23
4207	4213	6		24
4213	4220	7		25
4220	4228	8		26
4228	4232	4		27
4232	4240	8		28
4240	4248	8		29
4248	4252	4		30
4252	4262	10		31
4262	4269	7		32
4269	4278	9		33
4278	4287	9		34
4287	4296	9		35
4296	4305	9		36
4305	4307	2		1
4307	4310	3		2
4310	4321	11		37
4321	4329	8		38
4329	4337	8		39
4337	4344	7		-
4344	4340	16		-
4340	4343 1/2	3 1/2		-
4343 1/2	4373	9 1/2		-
4373	4381	8		40
4381	4390	9		41
4390	4400	10		42
4400	4408	8		43
4408	4409	1		44

CERTIFICATE OF ASSAY

Certificate No. 514

Project No. B-31

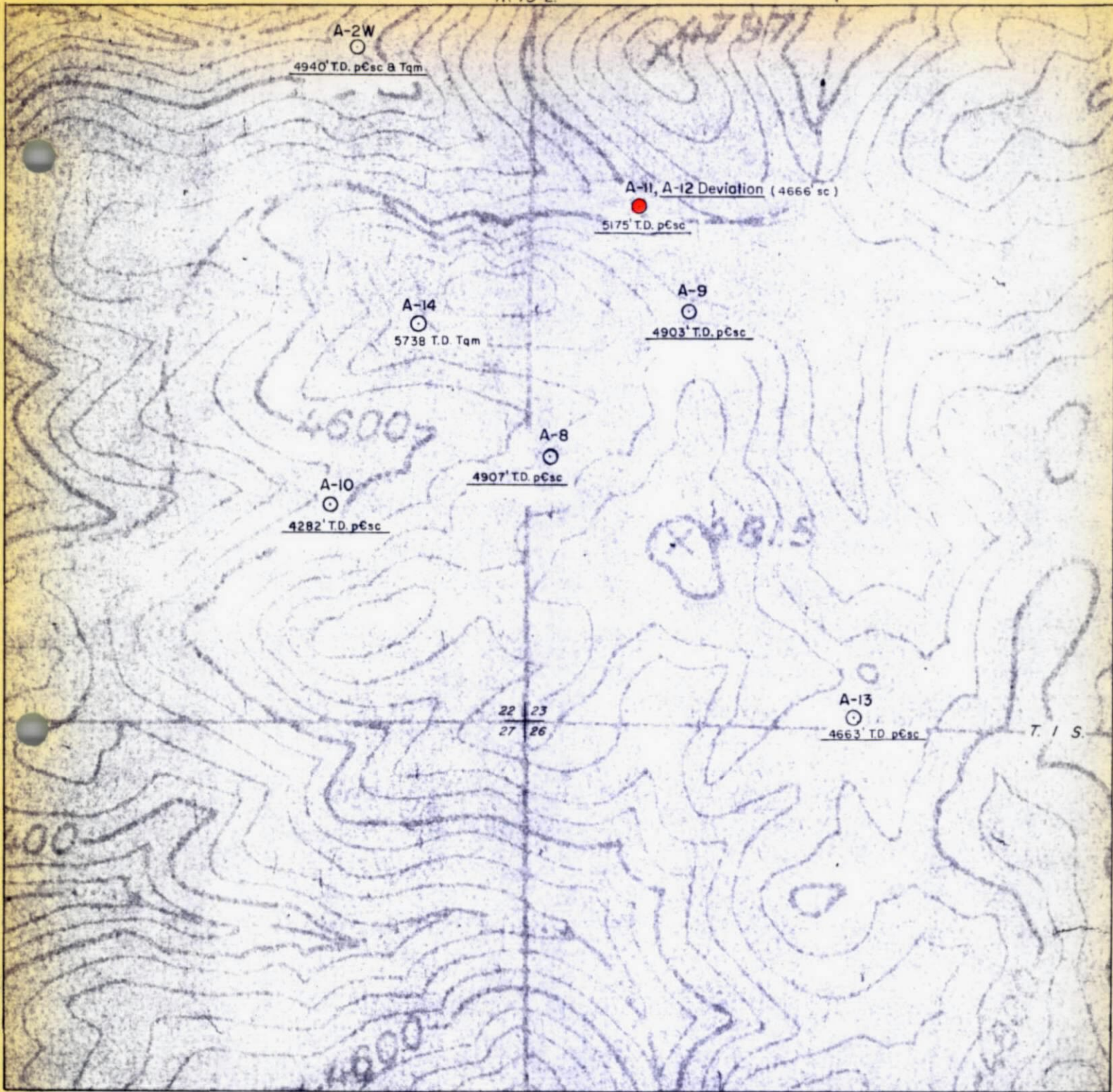
Date 6/19/81

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
16370	A-12-1	4217	4224	0.001	N.D.	1.80	0.003
16371	A-12-2	4224	4232	0.001	N.D.	1.70	0.008
16372	A-12-3	4232	4239	0.001	0.04	0.251	0.002
16373	A-12-4	4239	4251	0.001	N.D.	0.149	0.005
16374	A-12-5	4251	4256	0.001	0.02	0.46	0.003
16375	A-12-6	4256	4264	0.001	0.04	0.44	0.001
16376	A-12-7	4264	4273	0.001	N.D.	0.40	0.003
16377	A-12-8	4273	4276	0.001	0.04	0.40	0.001
16378	A-12-9	4276	4287	0.001	0.02	0.48	0.002
16379	A-12-10	4287	4297	0.001	0.05	0.50	0.001
16380	A-12-11	4297	4309	0.001	N.D.	0.39	0.004
16381	A-12-12	4309	4315	0.001	N.D.	0.234	0.002
16382	A-12-13	4315	4325	0.001	N.D.	0.46	0.001
16383	A-12-14	4325	4335	0.001	0.03	0.43	0.001

95.00 SAMPLE PREP  
224.00 ASSAYS

Total Charge \$ 319.00

Chief Chemist



**EXPLANATION**

**POST-MINERAL ROCK UNIT**

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

**PRE-MINERAL ROCK TYPE**

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- Pn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist

A-8  
● ASARCO Hole & Designation  
4907' T.D. pCsc Total Depth-Rock Type

⊕ Proposed Drill Site



TO ACCOMPANY	<i>Quarterly</i>
	<i>Drilling Report</i>
DATED	<i>6/30/81</i>
BY	<i>J. D. Lee</i>

DRILLING PROGRESS MAP  
For The 2<sup>nd</sup> Quarter, 1981  
**CONTINENTAL COPPER CORP.**  
PINAL COUNTY, ARIZONA  
SCALE: 1"=500'  
J.D. Sell June 1977

# ASARCO

Southwestern Exploration Division

September 28, 1981

TO: W.D. Payne

FROM: J.D. Sell

Quarterly Report  
July-August-September, 1981  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

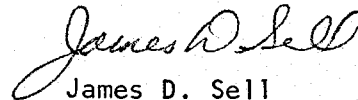
In compliance with the agreement between Asarco Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim Block.

Further assaying on hole A-14 has not been undertaken based on the visual low values expected.

The Hole A-12, in progress, continued during the quarter from the depth of 4666 feet to 5477 feet in Pinal schist and Laramide porphyry. An oriental core study was undertaken from 4343' to 4375' and this recovered core has not been split nor assayed. The further assays received (A-12-15 through A-12-113) are attached, covering the footage 4335' to 5083'.

During August, the Joy rig on A-12 was turned over and some three weeks of drilling was lost while replacing the rig and re-establishing drilling conditions in the hole.

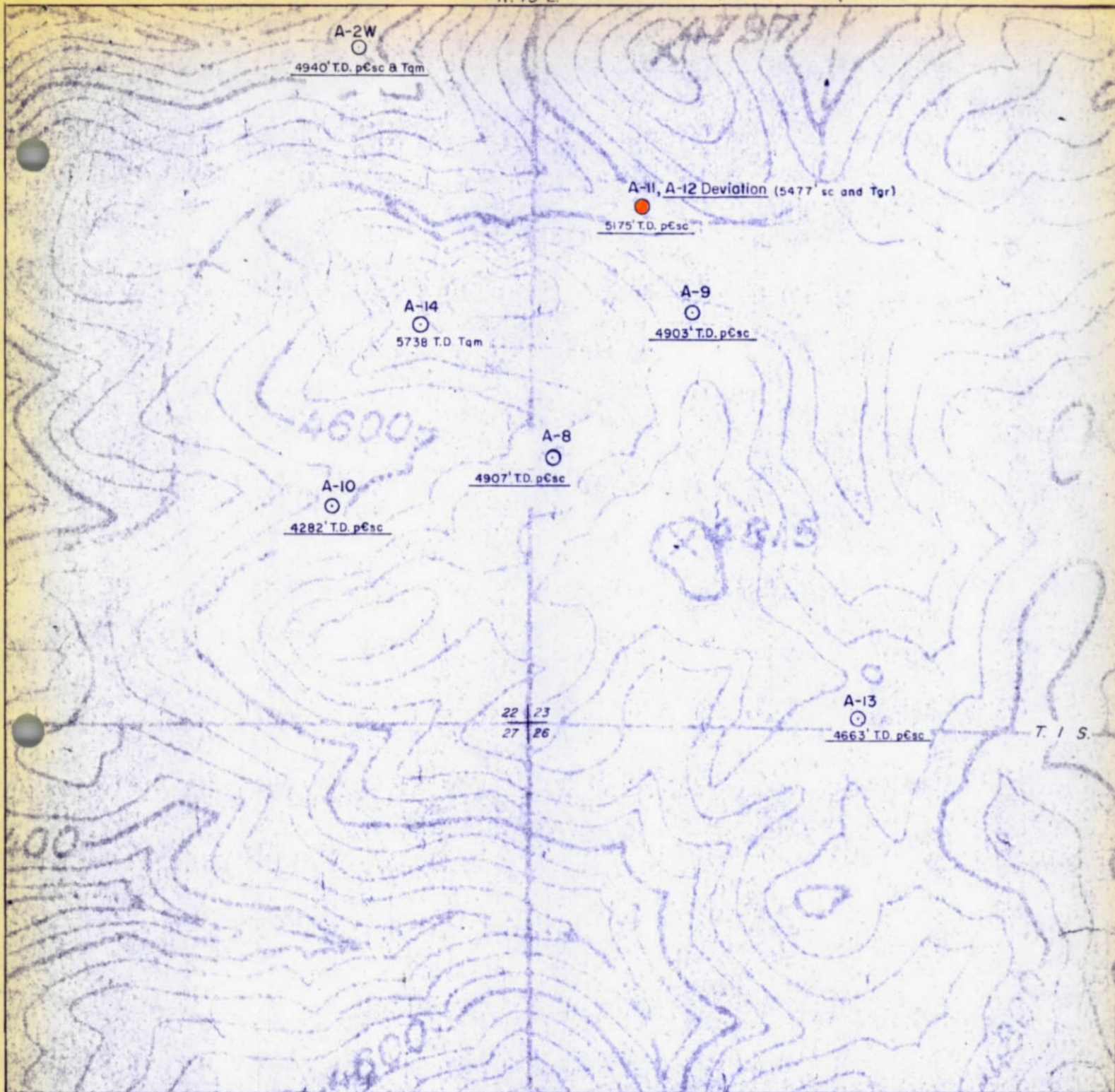
With the deviated hole, which is now steepening rapidly, the coring becomes more difficult for the smaller machine now on site.



James D. Sell

JDS/mlm

attachments: MSR&D Certificates #657, 745, 746, 562 and 563  
drilling map



**EXPLANATION**

POST-MINERAL ROCK UNIT

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

PRE-MINERAL ROCK TYPE

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- Pn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist

A-8



ASARCO Hole & Designation

4907' T.D. pCsc

Total Depth - Rock Type



Proposed Drill Site



TO ACCOMPANY <u>QUARTERLY</u>
<u>REPORT</u>
DATED <u>SEPT 28 '81</u>
BY <u>J.D. SELL</u>

DRILLING PROGRESS MAP  
 For The 3rd Quarter, 1981  
**CONTINENTAL COPPER CORP.**  
 PINAL COUNTY, ARIZONA  
 SCALE: 1" = 500'

original

# maine state research & development

## CERTIFICATE OF ASSAY

Certificate No. 657

Project No. B-31

Date 6/30/81

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
17812	A-12-15	4335	4342	0.001	0.06	0.39	0.001
17813	16	4342	4343	0.001	0.05	0.30	0.005
17814	17	4375	4384	0.001	0.03	0.35	0.002
17815	18	4384	4394 $\frac{1}{2}$	0.001	0.03	0.53	0.004
17816	19	4394 $\frac{1}{2}$	4395 $\frac{1}{2}$	0.001	0.04	0.54	0.001
17817	20	4395 $\frac{1}{2}$	4401	0.005	0.10	16.9	0.002
17818	21	4401	4408	0.001	0.06	0.30	0.002
17819	22	4408	4414	0.001	0.06	0.33	0.005
17820	23	4414	4420	0.001	0.03	0.18	0.002
17821	24	4420	4422	0.001	0.04	0.30	0.001
17822	25	4422	4429	0.001	0.02	0.38	0.002
17823	26	4429	4434	0.001	0.03	0.23	0.004
17824	27	4434	4442	0.004	0.03	0.65	0.009
17825	28	4442	4452	0.003	0.01	2.80	0.001
17826	29	4452	4462	0.001	0.03	0.76	0.002
17827	30	4462	4467	0.001	N.D.	0.35	0.002
17828	31	4467	4472	0.003	0.07	0.36	0.002
17829	32	4472	4481	0.001	0.02	0.22	0.002

57<sup>00</sup> SAMPLE PREP  
288<sup>00</sup> ASSAYS  
 Total Charge \$ 345<sup>00</sup>

FRANK M. [unclear]  
 Chief Chemist



original

mountain states research & development

CERTIFICATE OF ASSAY

Certificate No. 745

Project No. B-31

Date 7/07/81

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
18513	A-12-33	4481	4488	0.001	0.02	0.36	0.003
18514	34	4488	4496	0.002	0.05	2.30	0.004
18515	35	4496	4501	0.002	0.02	1.70	0.009
18516	36	4501	4505	0.001	0.03	0.18	0.003
18517	37	4505	4512	0.001	0.02	0.33	0.002
18518	38	4512	4517	0.001	0.03	0.33	0.004
18519	39	4517	4523	0.001	0.02	0.59	0.002
18520	40	4523	4527	0.003	0.15	4.00	0.002
18521	41	4527	4533	0.005	0.05	2.00	0.001
18522	42	4533	4537	0.001	0.24	1.90	0.001
18523	43	4537	4543	0.001	0.02	2.60	0.003
18524	44	4543	4550	---	---	1.80	0.002
18525	45	4550	4554	---	---	1.90	0.002
18526	46	4554	4559	---	---	0.33	0.002
18527	47	4559	4567	---	---	0.35	0.004
18528	48	4567	4573	---	---	0.21	0.003
18529	49	4573	4582	---	---	0.43	0.004
18530	50	4582	4588	---	---	0.35	0.010
18531	51	4588	4598	---	---	0.16	0.002
18532	52	4598	4602	---	---	0.34	0.002
18533	53	4602	4610	---	---	0.19	0.003
18534	54	4610	4620	0.002	0.02	1.01	0.005
18535	55	4620	4622	0.001	N.D.	0.29	0.002
18536	56	4622	4628	0.001	0.03	0.38	0.002

Total Charge \$ 373.60   
69.60 SAMPLE PREP.   
304.00 ASSAYS

Chief Chemist

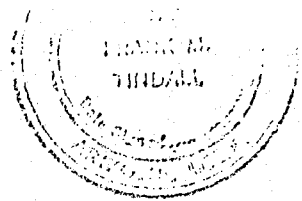
*F. R. ...*  
 9073



Original

montana state research & development

CERTIFICATE OF ASSAY



Certificate No. 562

Project No. B-31

Date 7/31/81

Date	Sample No.	Footage		Au.	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
21739	A-12-70	4718	4726	---	---	0.51	0.001
21740	71	4726	4735	---	---	0.37	0.003
21741	72	4735	4743	---	---	0.34	0.013
21742	73	4743	4748	---	---	3.05	0.002
21743	74	4748	4755	---	---	0.44	0.030
21744	75	4755	4766	---	---	0.18	0.002
21745	76	4766	4775	---	---	0.31	0.003
21746	77	4775	4785	---	---	0.24	0.001
21747	78	4785	4794	---	---	0.34	0.002
21748	79	4794	4804	---	---	0.36	0.006
21749	80	4804	4811	0.001	0.04	0.35	0.001
21750	81	4811	4818	0.001	N.D.	0.80	0.003
21751	82	4818	4826	0.001	0.03	0.94	0.003
21752	83	4826	4836	0.001	0.04	0.17	0.001
21753	84	4836	4846	0.001	0.07	0.46	0.005
21754	85	4846	4851	0.002	0.06	2.42	0.003
21755	86	4851	4859	0.002	0.03	0.43	0.016
21756	87	4859	4864	0.002	N.D.	0.21	0.001
21757	88	4864	4874	0.001	0.01	0.31	0.002
21758	89	4874	4884	0.001	N.D.	0.24	0.002
21759	90	4884	4891	0.001	0.05	0.26	0.017
21760	91	4891	4900	0.001	0.02	0.89	0.003
21761	92	4900	4909	0.001	0.10	0.53	0.005
21762	93	4909	4919	0.001	0.11	0.30	0.015

94 SAMPLE PREP

Total Charge \$ 304.52 ASSAYS

375

*[Signature]*  
Chief Chemist

*Discard*

mountain states research & development  
CERTIFICATE OF ASSAY

Certificate No. 563

Project No. B-31

Date 7/31/81

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
21763	A-12-94	4919	4930	0.001	N.D.	0.30	0.001
21764	95	4930	4940	---	---	0.13	0.001
21765	96	4940	4950	---	---	0.09	0.001
21766	97	4950	4959	---	---	0.35	0.001
21767	98	4959	4965	---	---	1.02	0.002
21768	99	4965	4969	---	---	1.20	0.002
21769	100	4969	4974	---	---	0.91	0.003
21770	101	4974	4983	---	---	0.37	0.001
21771	102	4983	4991	---	---	0.92	0.001
21772	103	4991	5001	---	---	0.54	0.001
21773	104	5001	5010	---	---	0.30	0.001
22208	A-13-8	<i>(Combined double pulps 8a &amp; 8b) 3735 3749</i>		---	---	0.13	0.003
22209	A-12-69	4710	4718	---	---	0.99	0.007
21774	105	5010	5020	0.001	0.03	0.10	0.002
21775	106	5020	5025	0.001	0.04	0.16	0.001
21776	107	5025	5033	0.001	0.05	3.76	0.004
21777	108	5033	5043	0.001	0.03	0.39	0.001
21778	109	5043	5052	0.001	0.04	0.24	0.001
21779	110	5052	5059	0.001	0.05	0.08	0.001
21780	111	5059	5067	0.001	0.02	0.29	0.005
21781	112	5067	5077	0.001	0.01	0.17	0.002
21782	113	5077	5083	0.001	0.06	0.39	0.002

Total Charge \$ 256.00  
342.00

8605 SAMPLE PREP.  
ASSAYS

*[Signature]*  
Chief Chemist

# ASARCO

Southwestern Exploration Division

December 28, 1981

TO: W.D. Payne

FROM: J.D. Sell

Quarterly Report, 4th Quarter  
October-November-December, 1981  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

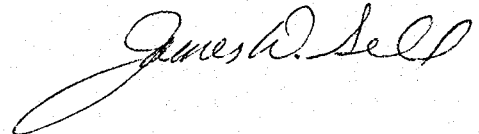
In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Hole A-12 was completed during the quarter. It was advanced from 5477' to 5724' when it was terminated. Low values persisted to this depth. A wedge hole was then started (Hole A-12-A) and core recovered from 4093' to 4240' where this hole was terminated and the entire hole closed down. The wedge hole A-12-A supplied core from the oxide-sulfide interface at 4171' to 4240' which overlapped the Navi-drilled (no core) portion of A-12. The oriented core will also be split and assayed for a complete assay of the sulfide interval. Assays are pending on the above work and will be submitted next quarter along with those lower in the hole. On assay certificate 657 (Mt. States Research & Development) submitted last quarter, an error has been found. The assay value for sample no. 17817 (A-12-20) should be applied to sample no. 17816 (A-12-19) and vice versa, i.e., the interval 4394½- to 4395½ feet should record the copper assay of 16.90% copper, etc.

The rig has been removed to Hole A-14 where casing had been left in anticipation of a wedge hole. However, at this time they will recover some of the available casing and abandon the hole.

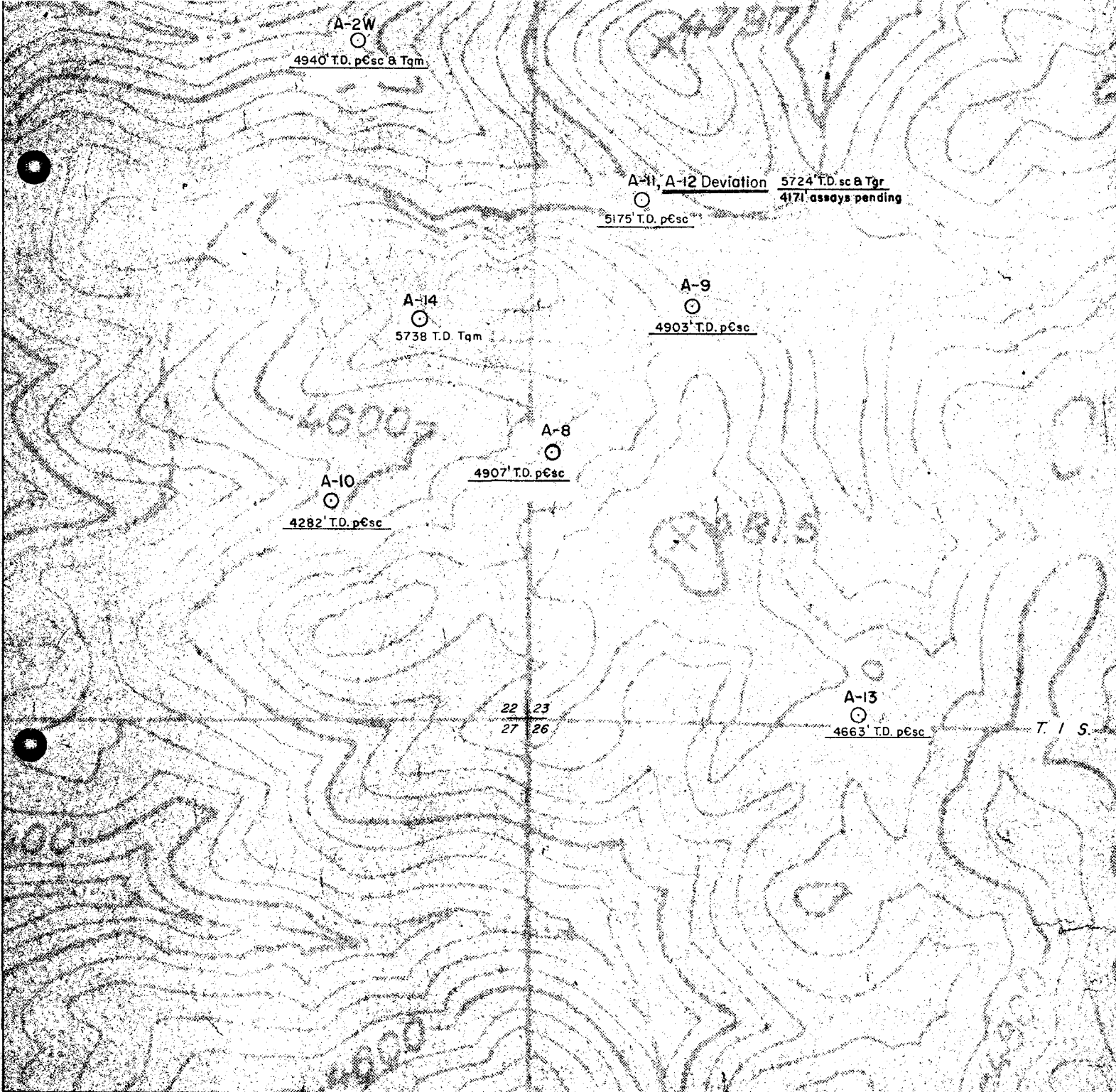
Thus the project will be closed down until economic considerations warrant additional drilling.

JDS/mlm



Attachment: drilling map

[Per telecon w/Eyrich's secretary on 12/20/82, Continental Copper did receive a copy of this report.]



**EXPLANATION**

**POST-MINERAL ROCK UNIT**

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

**PRE-MINERAL ROCK TYPE**

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- Pn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist

A-8



ASARCO Hole & Designation

4907' T.D. pCsc

Total Depth-Rock Type



Proposed Drill Site

TO ACCOMPANY	<i>Quartz</i>
<i>Drilling Report</i>	
DATED	<i>Nov 23, 1981</i>
BY	<i>J. D. Sell</i>

DRILLING PROGRESS MAP  
 For The 4<sup>TH</sup> Quarter, 1981  
**CONTINENTAL COPPER CORP.**  
 PINAL COUNTY, ARIZONA  
 SCALE: 1"=500'

J.D. Sell

June 1977

March 25, 1982

TO: W. D. Payne

FROM: J. D. Sell

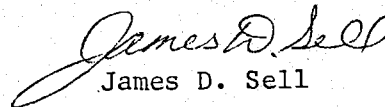
Quarterly Report, 1st Quarter  
Jan.-Feb.-March 1982  
Continental Copper Corporation  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

During the quarter, the only work performed was the removing of the BX casing in hole A-14 to a depth of 3750 feet. The NX casing was left intact and at 3000 feet a cement plug was set and the hole cemented up into the NX casing. This will preserve the hole in the event that further work might be accomplished from the hole.

Additional assay sheet of hole A-12 by Mountain States R&D are attached, covering the footage from 5083' to 5724' T.D., plus the wedge hole A-12-A covering from 4134' to 4240' and the previously unsplit core of A-12 from 4343' to 4375'. These sheets complete the samples submitted.

No drilling map is attached as no additional footage was cored during the quarter.

  
James D. Sell

JDS:mek

Att. (MSR&D Certificates #569,690,691, and 82-079-A.)

cc: Continental Materials Cop  
Mining Division Office  
2002 North Forbes Blvd., Suite 101  
Tucson, AZ 85705 (4/1/82)

CERTIFICATE OF ASSAY

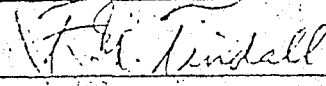
Certificate No. 569

Object No. B-31

Date 10/14/81

Date	Sample No.	Footage		Au	Ag	Cu	Mo
		From	To	Oz/T	Oz/T	%	%
33654	A-12-114	5083	5085	---	---	0.26	---
33655	115	5085	5102	---	---	0.16	---
33656	116	5102	5113	---	---	0.17	---
33657	117	5113	5127	---	---	0.75	---
33658	118	5127	5134	---	---	0.88	---
33659	119	5134	5144	---	---	0.31	---
33660	120	5144	5149	---	---	0.54	---
33661	121	5149	5160	---	---	0.35	---
33662	122	5160	5170	---	---	0.36	---
33663	123	5170	5175	---	---	0.76	---
33664	124	5175	5187	---	---	0.08	---
<hr/>							
33665	149	5408	5424	---	---	0.03	---
33666	150	5424	5435	---	---	0.24	---
33667	151	5435	5449	---	---	0.08	---
33668	152	5449	5459	0.002	0.01	0.07	0.0010
33669	153	5459	5469	0.001	0.01	0.03	0.0014
33670	154	5469	5481	0.001	0.01	0.01	0.0008
33671	155	5481	5484	0.001	0.04	0.13	0.0082
33672	156	5484	5504	0.001	0.04	0.04	0.0004
33673	157	5570	5585	0.001	0.04	0.01	0.0004
33674	158	5585	5590	ND	ND	0.04	0.0094
33675	159	5590	5605	0.001	ND	0.02	0.0058
	Cont on Cert. # 690						
	* Interval on Cert. # 691 + 690.						

Total Charge \$ 170<sup>00</sup>

  
 Chief Chemist



mountain states research & development

CERTIFICATE OF ASSAY

Certificate No. 690

Project No. B-31

Date 10/27/81

Sample No.	Footage		Cu %					
	From	To						
34211 A-12-146	5374	5385	0.092					
34212 147	5385	5400	0.140					
34213 148	5400	5408	0.190					
34214 160	5712	5724	0.014					
<i>Note: No numbers from A-12-160 in E-1 sequence. A-12-351 thru A-12-356. See Cert. # 82-079-A</i>								

Total Charge \$ 12<sup>00</sup>

ND (None Detected)

*F. G. ...*  
 Chief Chemist

# CERTIFICATE OF ASSAY

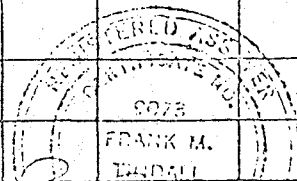
Certificate No. 691

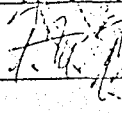
Object No. B-31

Date 10/27/81

Date	Sample No.	Footage		Au	Ag	Mo	Cu
		From	To	Oz/T	Oz/T	%	%
34190	A-12-125	5187	5199	---	---	---	0.218
34191	126	5199	5206	---	---	---	0.076
34192	127	5206	5214	0.001	ND	0.002	0.38
34193	128	5214	5223	0.001	ND	0.001	0.57
34194	129	5223	5233	0.001	ND	0.002	0.28
34195	130	5233	5242	0.001	ND	0.001	0.34
34196	131	5242	5257	0.002	ND	0.001	0.53
34197	132	5257	5259	---	---	---	0.084
34198	133	5259	5274	---	---	---	0.154
34199	134	5274	5287	---	---	---	0.064
34200	135	5287	5289	---	---	---	1.76
34201	136	5289	5301	---	---	---	0.022
34202	137	5301	5311	---	---	---	0.064
34203	138	5311	5320	---	---	---	0.114
34204	139	5320	5321	---	---	---	0.028
34205	140	5321	5328	---	---	---	0.290
34206	141	5328	5344	---	---	---	0.084
34207	142	5344	5357	---	---	---	0.026
34208	143	5357	5363	---	---	---	0.052
34209	144	5363	5370	---	---	---	0.024
34210	145	5370	5374	---	---	---	0.760
	Cont. on Card #690						

Total Charge \$ 128<sup>00</sup>



  
 Chief Chemist

mountain states research & development  
 CERTIFICATE OF ASSAY

Certificate No. 82-079-A

Project No. B-31

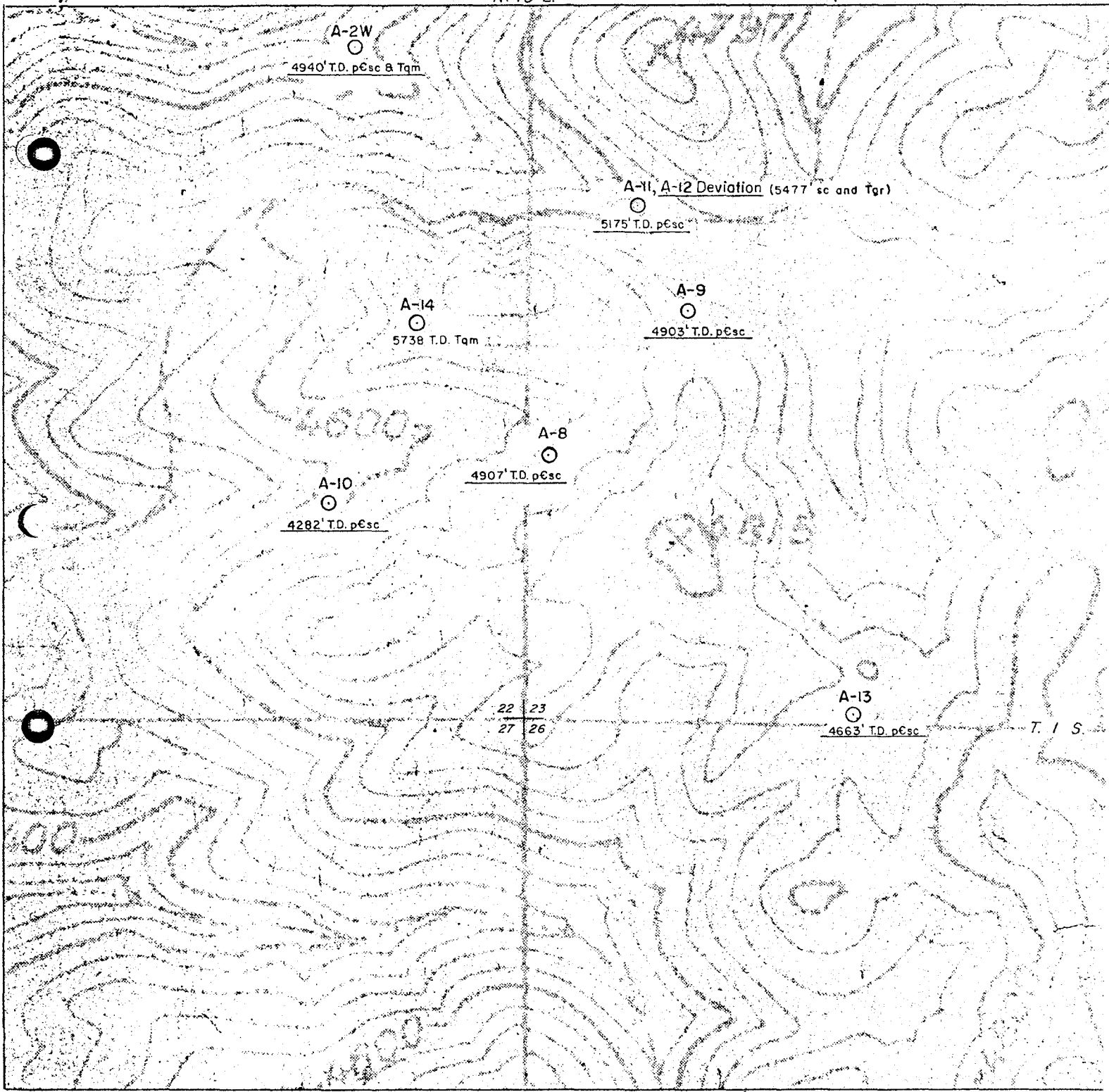
Date 1/04/82

Date	Sample No.	Feet		Cu %	ft				Notes
		From	To						
42539	<del>A-12-A-</del> A-12-199	4134	4141	0.08	7				Not detected Leached copper
42540	200	4141	4148	0.09	7				"
42541	201	4148	4158	0.48	10				Trace analyzed Cu & not for copper.
42542	202	<del>4158</del>	<del>4171</del>	1.22	13				analyzed & not for Cu.
42543	203	<del>4171</del>	4182	0.86	11				Sulfide
42544	204	4182	4194	0.57	12				
42545	205	4194	4205	0.29	11				
42546	206	4205	4212	0.57	7				
42547	207	4212	4222	1.21	10				
42548	208	4222	4229	1.33	7				
42549	209	4229	4236	0.28	7				
42550	210	4236	4240	0.10	4				
42551	A-12-351	4343	4345	0.25	2				analyzed copper sulfide
42552	352	4345	4349	0.98	4				
42553	353	4349	4352 1/2	1.39	3 1/2				
42554	354	4352 1/2	4360	0.45	7 1/2				
42555	355	4360	4365	0.42	5				
42556	356	4365	4375	0.50	10				

Total Charge \$ 172.00

ND (None Detected)

*F. J. Lindell*  
 Chief Chemist



**EXPLANATION**

POST-MINERAL ROCK UNIT

- Td-Docite
- Tev-Early Volcanics
- Tw-Whitetail

A-8



ASARCO Hole & Designation

4907' T.D. pCsc

Total Depth - Rock Type

PRE-MINERAL ROCK TYPE

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- IPn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist



Proposed Drill Site

TO ACCOMPANY QUARTERLY  
**REPORT**  
 DATED SEPT 28 '81  
 BY J.D. SELL



DRILLING PROGRESS MAP  
For The 3<sup>RD</sup> Quarter, 1981

**CONTINENTAL COPPER CORP**

PINAL COUNTY, ARIZONA

SCALE: 1"=500'

# ASARCO

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

December 15, 1982

Mr. Henry T. Eyrich  
Vice President, Mining  
Continental Materials Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

Quarterly Report, 2nd Quarter  
April-May-June, 1982  
Continental Copper Corporation  
Superior East Project  
Pinal County, AZ

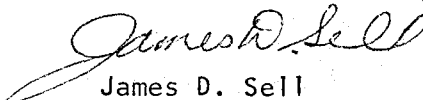
Dear Mr. Eyrich:

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim Block

The project has been closed down due to economic considerations and no further drilling has been done.

No drilling map is attached.

Sincerely,

  
James D. Sell

JDS/cg

xc: RBCrist

# ASARCO

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

December 16, 1982

Mr. Henry T. Eyrich  
Vice President, Mining  
Continental Materials Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

Quarterly Report, 3rd Quarter  
July-August-September, 1982  
Continental Copper Corporation  
Superior East Project  
Pinal County, AZ

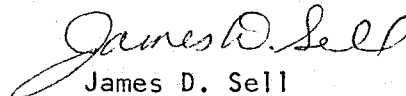
Dear Mr. Eyrich:

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claims.

No change in the project status has occurred during this quarter.

No drilling map is attached.

Sincerely,

  
James D. Sell

JDS/cg

xc: RBCrist

# ASARCO

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

December 17, 1982

Mr. Henry T. Eyrich  
Vice President, Mining  
Continental Materials Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

Quarterly Report, 4th Quarter  
October-November-December 1982  
Continental Copper Corporation  
Superior East Project  
Pinal County, AZ

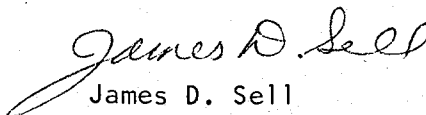
Dear Mr. Eyrich:

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim Block.

No further work was done on the claim block during this quarter.

The drilling map is attached for the records.

Sincerely,

  
James D. Sell

JDS/cg

xc: RBCrist

Attachment (Drilling Map)

# ASARCO

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

December 20, 1982

Mr. Henry T. Eyrich  
Vice President, Mining  
Continental Materials Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

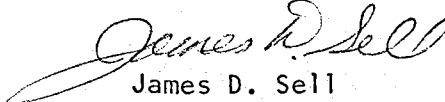
Dear Hank:

Thanks for jogging my memory and the system. Yes, you were correct in that the Quarterly Reports for the 2nd, 3rd, and 4th quarter had not been filed. I submit these three quarters with my apologies for the delay.

As you are aware, the project was closed in the last quarter of 1981 other than retrieving some casing and getting the last batch of assays in. These assay sheets completed Hole A-12 and the wedge portion of A-12-A (see 1st Quarter Report dated March 25, 1982).

Thank you for the invite to see the Oracle Ridge deposit--will catch up with you after the 1st. Cheers for the season.

Sincerely,

  
James D. Sell

JDS/cg

Enclosures

xc: RBCrist



# ASARCO

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

June 13, 1983

Mr. Henry T. Eyrick<sup>h</sup>  
Vice President, Mining  
Continental Minerals Corporation  
2002 N. Forbes Blvd., Suite 101  
P.O. Box 50726  
Tucson, AZ 85703

2nd Quarterly Report  
April-May-June 1983  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

Dear Mr. Eyrick<sup>h</sup>:

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim block.

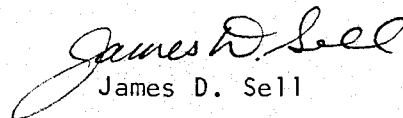
As reported last quarter, a Joy HD-22 rig was moved onto the A-15 site in February, and was terminated in April, having completed the 1982-1983 assessment work. Synopsis of the hole is as follows:

Dacite	Surface - 1512 feet
Earlier Volcanics	1512 - 2029 feet

The hole is cased to this depth and will be reentered at a later date. Drilling map is attached.

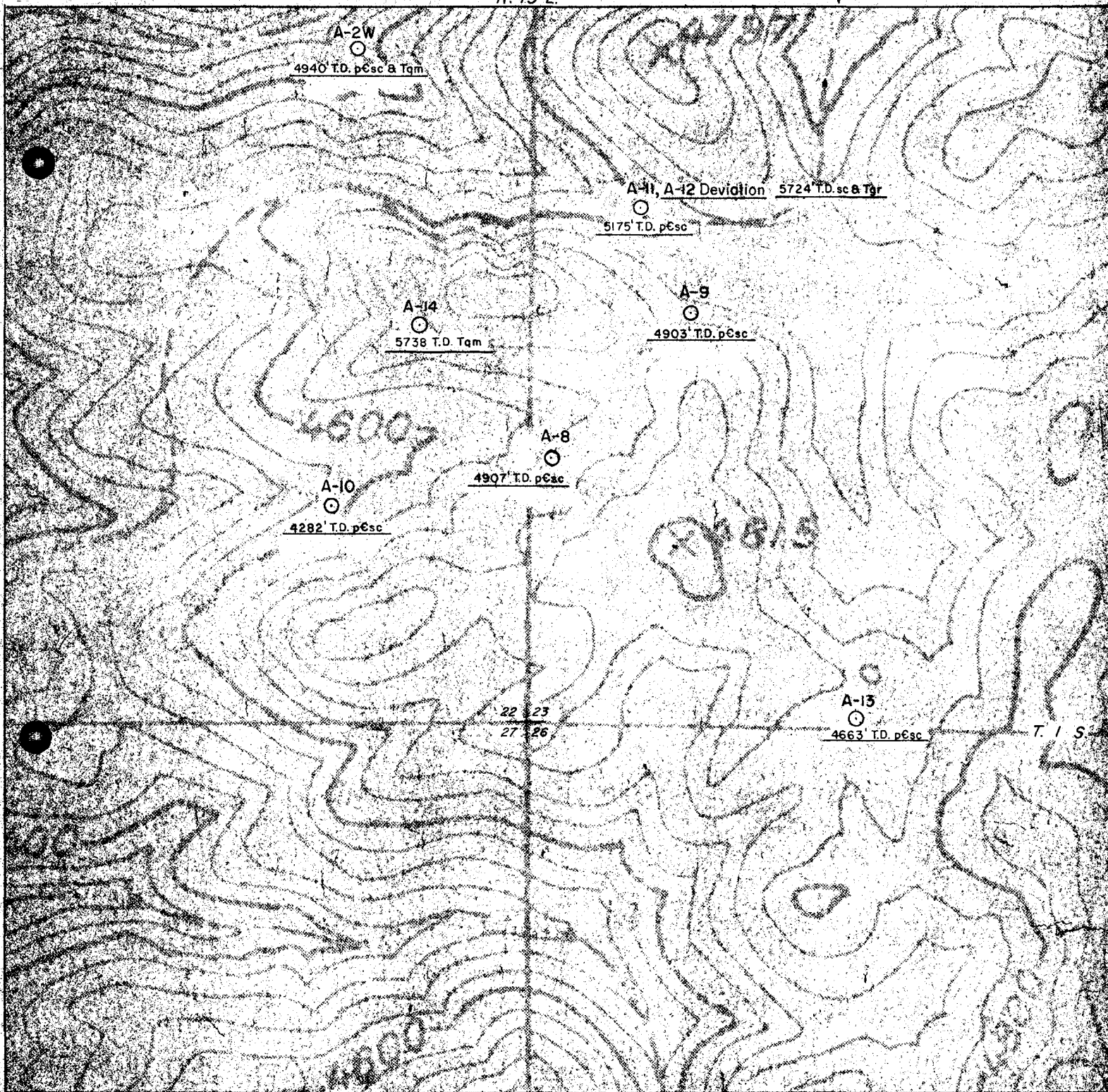
The assessment work affidavit is being filed and you should receive a copy in the near future for your records.

Sincerely yours,

  
James D. Sell

JDS:mek  
Att.

cc: J. R. Stringham




**EXPLANATION**

**POST-MINERAL ROCK UNIT**

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

**PRE-MINERAL ROCK TYPE**

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supoi Formation
- Pn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCb-Diabase
- pCsc-Schist

A-8  
  
 4907' T.D. pCsc

ASARCO Hole & Designation

Total Depth-Rock Type

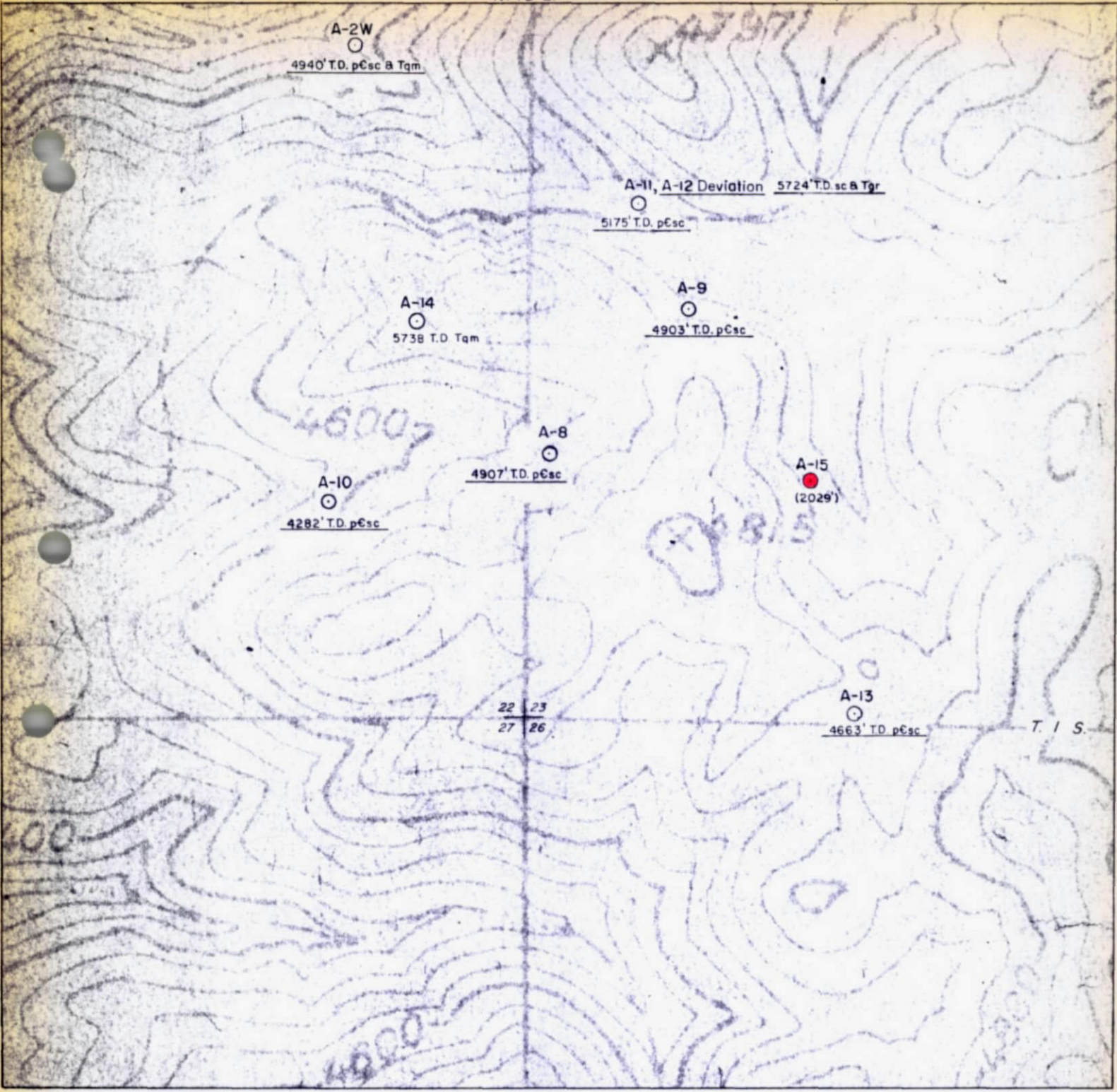


Proposed Drill Site



TO ACCOMPANY *Quarterly*  
*Drilling Report*  
 DATED *Mar. 17, 1982*  
 BY *J. D. Lee*

DRILLING PROGRESS MAP  
 For The 4<sup>th</sup> Quarter, 1982  
**CONTINENTAL COPPER CORP.**  
 PINAL COUNTY, ARIZONA  
 SCALE: 1"=500'



**EXPLANATION**

**POST-MINERAL ROCK UNIT**

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

**PRE-MINERAL ROCK TYPE**

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- Pn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist

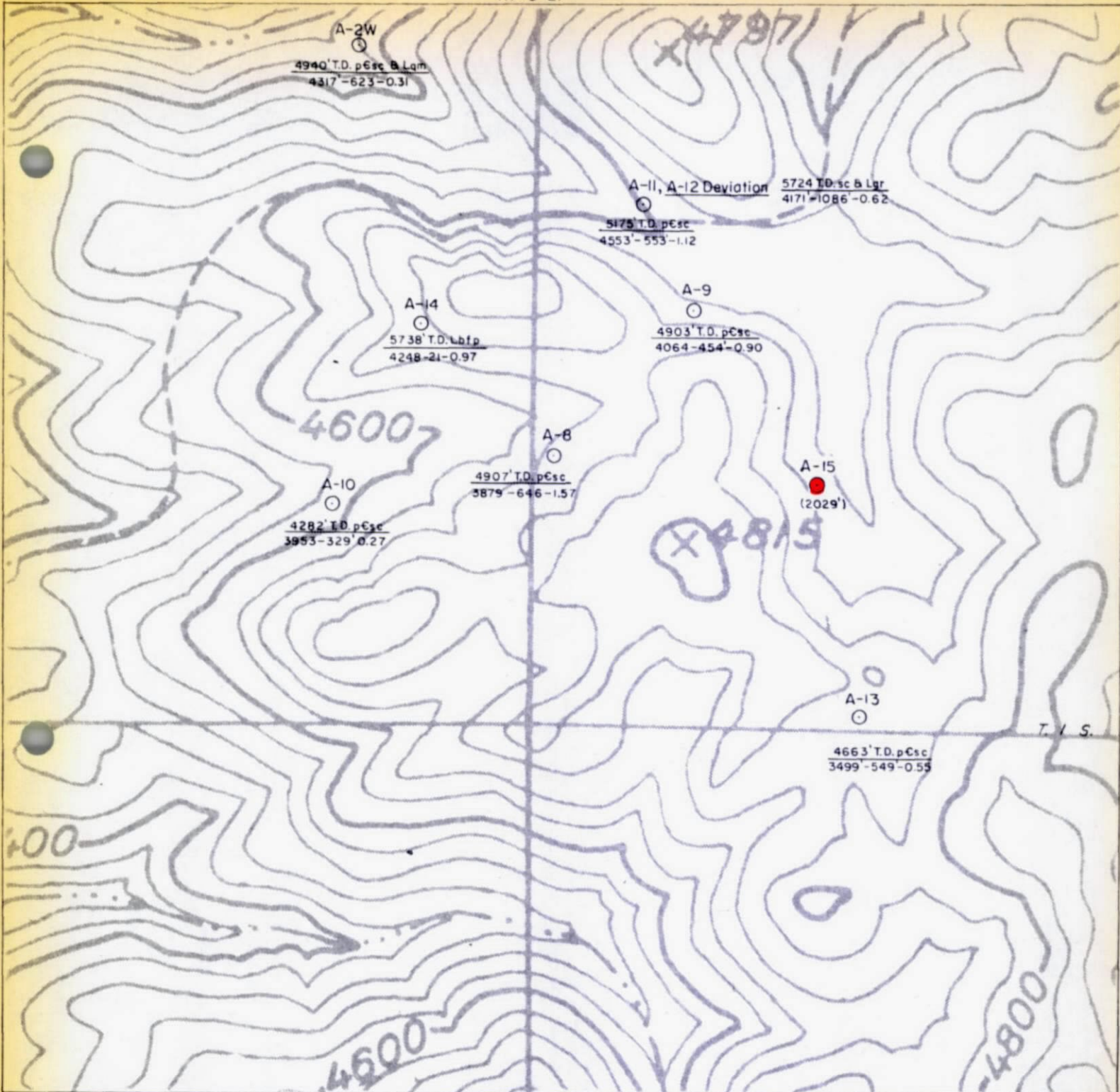
A-8  
 ○ ASARCO Hole & Designation  
 4907' T.D. pCsc Total Depth-Rock Type

⊕ Proposed Drill Site



TO ACCOMPANY Quarterly  
Report  
 DATED June 13, 1983  
 BY J.D. Sell

DRILLING PROGRESS MAP  
 For The 2nd Quarter, 1983  
**CONTINENTAL COPPER CORP.**  
 PINAL COUNTY, ARIZONA  
 SCALE: 1"=500'  
 J.D. Sell June 1977



**EXPLANATION**

**POST-MINERAL ROCK UNIT**

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

**PRE-MINERAL ROCK TYPE**

- Lbx-Breccia
- Lbfp-Laramide Biotite Feldspar Porphyry
- Lqm-Quartz Monzonite
- Lgr-Granite
- pCsc-Schist

A-8



4907' T.D. pCsc  
3879-646-1.57



TO ACCOMPANY *Monthly*  
*Report*

DATED *Nov. 28, 1983*

BY *J.D. Sell*

ASARCO Hole & Designation

Total Depth -Rock Type  
Depth-Length-% Cu

Proposed Drill Site

BASE FROM U.S.G.S. SUPERIOR ARIZ. 7.5' QUAD.

N



DRILLING PROGRESS MAP  
For The *2nd* Quarter, 1983

**SUPERIOR EAST PROJECT**

PINAL COUNTY, ARIZONA

SCALE: 1" = 500'

J.D. Sell

June 1977

# ASARCO

Exploration Department  
Southwestern United States Division

June 28, 1983

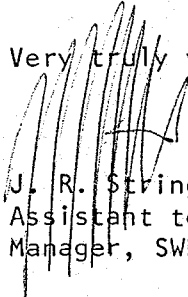
Mr. Henry T. Eyrick  
Vice President, Mining  
Continental Minerals Corporation  
2002 N. Forbes Blvd., Suite 101  
P.O. Box 50726  
Tucson, AZ 85703

Continental Copper Corp.  
Superior East Project  
Pinal County, AZ  
Assessment Affidavit  
Margaret Claims

Dear Mr. Eyrick:

Enclosed for your records is a copy of the Affidavit of Labor Performed and Improvements Made for the Margaret Claim block which has been recorded in the office of the Pinal County Recorder and filed with the Bureau of Land Management for the assessment year ending September 1, 1983.

Very truly yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
encs.

cc: J. D. Sell

# ASARCO

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

September 28, 1983

Mr. Henry T. Eyrich  
Vice President, Mining  
Continental Minerals Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

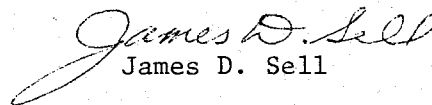
3rd Quarter Report  
July - September 1983  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

Dear Mr. Eyrich:

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim block.

As no activity was initiated or carried out on the Margaret Claim block, no map is attached to this report.

Sincerely,

  
James D. Sell

JDS/cg

cc: JRStringham

JDS cg

# ASARCO

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

December 22, 1983

Mr. Henry T. Eyrich  
Vice President, Mining  
Continental Minerals Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

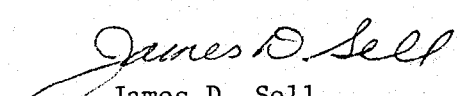
4th Quarter Report  
October-December 1983  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

Dear Mr. Eyrich:

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim block.

As no activity was initiated or carried out on the Margaret Claim block, no map is attached to this report.

Sincerely,

  
James D. Sell

JDS/cg

cc: JRStringham

# ASARCO

JDS

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

March 14, 1984

Mr. Henry T. Eyrich  
Vice President - Mining  
Continental Minerals Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

1st Quarter Report  
January-March 1984  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

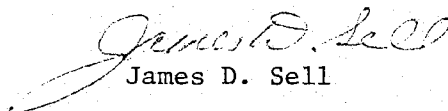
Dear Mr. Eyrich:

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim block.

A contract has been issued to Joy Drilling Company to re-enter drill hole A-15 which is drill rod cased to a depth of 2029 feet in Earlier Volcanics. It is expected that Joy will begin the operation in the last week of the quarter. These expenditures will validate the claims for the assessment year ending August 31, 1984.

No map is attached to this report.

Sincerely,

  
James D. Sell

JDS/cg

cc: JRStringham



# ASARCO

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

July 16, 1984

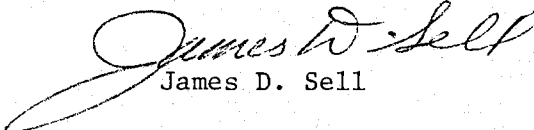
Mr. Henry T. Eyrich  
Vice President - Mining  
Continental Minerals Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

2nd Quarter Report  
Continental Copper Corporation  
April - June 1984  
Superior East Project  
Pinal County, AZ

Dear Mr. Eyrich:

Attached is a copy of 2nd Quarter Report prepared in compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation.

Sincerely,

  
James D. Sell

JDS/cg

Attachment

July 3, 1984

FILE MEMORANDUM

2nd Quarter Report  
Continental Cooper Corporation  
April-June 1984  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Drill hole A-15 had been cased, by drill rods, at the conclusion of the 1983 assessment drilling. Joy Manufacturing Company remobilized on March 27, 1984, and by April 2 had resumed BX coring at the depth of 2029 feet. As of the end of the quarter (June 25, 1984), the hole had progressed to the depth of 4450 feet.

Synopsis of the entire hole to date (6/25/84) is as follows:

Surface - 1512	Dacite
1512 - 2069	Earlier Volcanics
2069 - 2905	Whitetail Conglomerate
2905 - 3622	Pinal Schist (oxidized)
3622 - 4450	Pinal Schist, with variable sulfides.

Assays have been received from various sections of the hole, with sequential values for the interval 3600 feet to 4082 feet.

The drilling location map is attached showing hole A-15 in relationship to the other holes in the area.

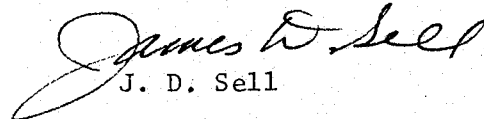
Assay sheets are also attached, dated May 2 (A-15-1 thru A-15-4), June 27 (A-15-5 thru A-15-26), June 26 (A-15-27 thru A-15-47), and June 26 (A-15-48 thru A-15-59), with the footage intervals added. Last interval sampled and reported is 4082 feet.

JDS:mek

Attachments:

Drill Map

Assay Sheets (6)



J. D. Sell

cc: J. R. Stringham



**EXPLANATION**

**POST-MINERAL ROCK UNIT**

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

**PRE-MINERAL ROCK TYPE**

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- Pn-Naco Limestone
- Me-Escobrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist

A-8



ASARCO Hole & Designation

4907' T.D. pCsc

Total Depth - Rock Type



Proposed Drill Site

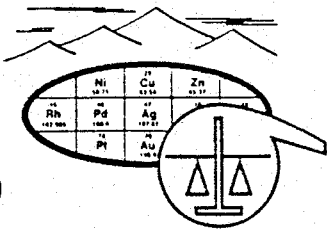


TO ACCOMPANY <i>QUARTERLY</i>
<i>REPORT</i>
DATED <i>7-3-84</i>
BY <i>J.D. SELL</i>

**DRILLING PROGRESS MAP**  
 For The 2<sup>ND</sup> Quarter, 1984  
**CONTINENTAL COPPER CORP.**  
 PINAL COUNTY, ARIZONA  
 SCALE: 1"=500'

J.D. Sell

June 1977



**SKYLINE LABS, INC.**  
 1775 W. Sahuarro Dr. • P.O. Box 50106  
 Tucson, Arizona 85703  
 (602) 622-4836

REPORT OF ANALYSIS

JOB NO. TAJ 358  
 May 2, 1984  
 A-15-1 THRU A-15-4  
 W.L. KURTZ  
 PAGE 1 OF 1

ASARCO INCORPORATED  
 Attn: Mr. James D. Sell  
 Southwestern Exploration  
 P.O. Box 5747  
 Tucson, Arizona 85703

Analysis of 4 Core Samples

ITEM	SAMPLE NO.	Cu (ppm)
Footage:		
2260 - 2270	1 A-15-1	1200.
2320 - 2330	2 A-15-2	215.
2400 - 2410	3 A-15-3	220.
2490 - 2500	4 A-15-4	150.

cc: Asarco Incorporated  
 Attn.: Mr. W.L. Kurtz  
 Southwestern Exploration  
 P.O. Box 5747  
 Tucson, Arizona 85703

*3y: [Signature]*

APPROVED FOR PAYMENT

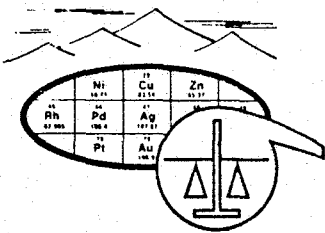
3y: \_\_\_\_\_  
 (Signature)

*[Signature]*  
 William L. Lehbeck  
 Manager  
 Arizona Assayer No. 9425

RECEIVED

MAY - 3 1984

S. W. U. S. EXPL.



# SKYLINE LABS, INC.

1775 W. Sahuarro Dr. • P.O. Box 50106

Tucson, Arizona 85703

(602) 622-4836

## REPORT OF ANALYSIS

JOB NO. TAJ 374

June 27, 1984

PROJECT: SUPERIOR EAST

A-15-5 THRU A-15-26

PAGE 1 OF 2

ASARCO INCORPORATED  
Attn: Mr. James D. Sell  
Southwestern Exploration  
P.O. Box 5747  
Tucson, Arizona 85703

### Analysis of 22 Core Samples

---

ITEM	SAMPLE NUMBER	Cu (ppm)	Cu (%)
Footage:			
2800 - 2810	1 A-15-5	410.	
2890 - 2900	2 A-15-6	790.	
2920 - 2930	3 A-15-7	300.	
3000 - 3010	4 A-15-8	2700.	
3100 - 3110	5 A-15-9	220.	
3200 - 3210	6 A-15-10	155.	
3300 - 3310	7 A-15-11	70.	
3400 - 3410	8 A-15-12	115.	
3500 - 3510	9 A-15-13	125.	
3600 - 3610	10 A-15-14	120.	
3610 - 3618	11 A-15-15	95.	
3618 - 3622	12 A-15-16	60.	
3622 - 3632	13 A-15-17	90.	
3632 - 3645	14 A-15-18	60.	
3645 - 3650	15 A-15-19	900.	

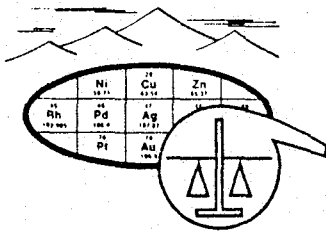
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RECEIVED  
JUN 29 1984  
EXPLORATION DEPARTMENT

Charles E. Thompson  
Arizona Registered Assayer No. 9427

William L. Lehmbeck  
Arizona Registered Assayer No. 9425

James A. Martin  
Arizona Registered Assayer No. 11122



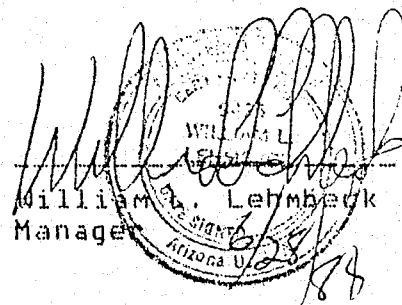
SKYLINE LABS, INC.  
1775 W. Sahuaro Dr. • P.O. Box 50106  
Tucson, Arizona 85703  
(602) 622-4836

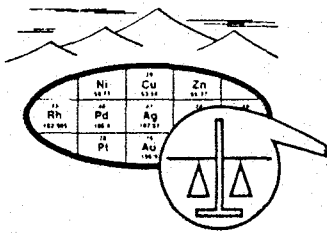
JOB NO. TAJ 374  
June 27, 1984  
PAGE 2 OF 2

---

ITEM	SAMPLE NUMBER	Cu (ppm)	Cu (%)
Footage:			
3650 - 3660	16 A-15-20	2400.	
3660 - 3670	17 A-15-21		.35
3670 - 3684	18 A-15-22		2.00
3684 - 3700	19 A-15-23		.73
3700 - 3712	20 A-15-24		.76
3712 - 3730	21 A-15-25		.58
3730 - 3739	22 A-15-26		.94

---

  
William L. Lehmbek  
Manager  
Arizona U.S.A.



SKYLINE LABS, INC.  
 1775 W. Sahuaro Dr. • P.O. Box 50106  
 Tucson, Arizona 85703  
 (602) 622-4836

REPORT OF ANALYSIS

JOB NO. TAJ 375  
 June 26, 1984  
 PROJECT: SUPERIOR EAST  
 A-15-27 THRU A-15-47  
 PAGE 1 OF 2

ASARCO INCORPORATED  
 Attn: Mr. James D. Sell  
 Southwestern Exploration  
 P.O. Box 5747  
 Tucson, Arizona 85703

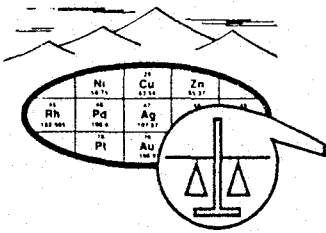
Analysis of 21 Core Samples

ITEM	SAMPLE NUMBER	Cu (%)
Footage:		
3739 - 3752	1 A-15-27	.38
3752 - 3766	2 A-15-28	.50
3766 - 3778	3 A-15-29	.44
3778 - 3792	4 A-15-30	.55
3792 - 3802	5 A-15-31	.38
3802 - 3813	6 A-15-32	1.45
3813 - 3821	7 A-15-33	3.00
3821 - 3830	8 A-15-34	.58
3830 - 3840	9 A-15-35	.46
3840 - 3853	10 A-15-36	.48
3853 - 3858	11 A-15-37	.80
3858 - 3861	12 A-15-38	9.70
3861 - 3867	13 A-15-39	1.00
3867 - 3881	14 A-15-40	.62
3881 - 3890	15 A-15-41	.49

RECEIVED

JUN 29 1984

EXPLORATION DEPARTMENT



SKYLINE LABS, INC.  
1775 W. Sahuaro Dr. • P.O. Box 50106  
Tucson, Arizona 85703  
(602) 622-4836

JOB NO. TAJ 375  
June 26, 1984  
PAGE 2 OF 2

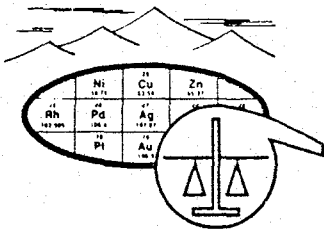
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ITEM	SAMPLE NUMBER	Cu (%)
Footage:		
3890 - 3895	16 A-15-42	5.80
3895 - 3907	17 A-15-43	.62
3907 - 3918	18 A-15-44	.65
3918 - 3929	19 A-15-45	.46
3929 - 3942	20 A-15-46	.46
3942 - 3953	21 A-15-47	.28

---

William L. Lehbeck  
Manager  
Arizona Registered Assayer No. 9425





SKYLINE LABS, INC.  
 1775 W. Sahuaro Dr. • P.O. Box 50106  
 Tucson, Arizona 85703  
 (602) 622-4836

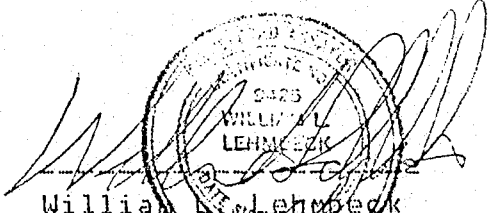
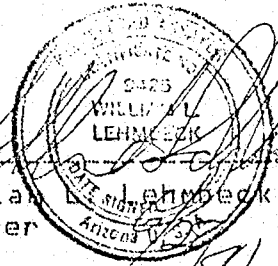
REPORT OF ANALYSIS

JOB NO. TAJ 377  
 June 26, 1984  
 PROJECT: SUPERIOR EAST  
 A15-48 THRU A15-59  
 PAGE 1 OF 1

ASARCO INCORPORATED  
 Attn: Mr. James D. Sell  
 Southwestern Exploration  
 P.O. Box 5747  
 Tucson, Arizona 85703

Analysis of 12 Core Samples

ITEM	SAMPLE NO.	Cu (%)
Footage:		
3953 - 3961	1 A15-48	.52
3961 - 3974	2 A15-49	.52
3974 - 3989	3 A15-50	.36
3989 - 4011	4 A15-51	.56
4011 - 4021	5 A15-52	.49
4021 - 4027	6 A15-53	.62
4027 - 4035	7 A15-54	.41
4035 - 4044	8 A15-55	.31
4044 - 4054	9 A15-56	.45
4054 - 4056	10 A15-57	1.05
4056 - 4067	11 A15-58	.39
4067 - 4082	12 A15-59	.64

  
 William L. Lehmbek  
 Manager  


RECEIVED  
 JUN 29 1984

EXPLORATION DEPARTMENT

# ASARCO

Exploration Department  
Southwestern United States Division

September 17, 1984

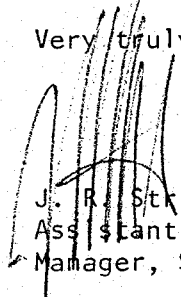
Mr. Henry T. Eyrick  
Vice President, Mining  
Continental Minerals Corporation  
2002 N. Forbes Blvd., Suite 101  
P.O. Box 50726  
Tucson, AZ 85703

Continental Copper Corp.  
Superior East Project  
Pinal County, AZ  
Assessment Affidavit  
Margaret Claims

Dear Mr. Eyrick:

Enclosed for your records is a copy of the Affidavit of Labor Performed and Improvements Made for the Margaret Claim block which has been recorded in the office of the Pinal County Recorder and filed with the Bureau of Land Management for the assessment year ending September 1, 1984.

Very truly yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
encs.

cc: J. D. Sell

# ASARCO

JDS

Exploration Department  
Southwestern United States Division

August 24, 1984

Mr. Henry T. Eyrich  
Vice President - Mining  
Continental Minerals Corporation  
2002 N. Forbes Blvd., Suite 101  
P. O. Box 50726  
Tucson, AZ 85703

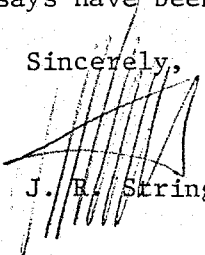
3rd Quarter Report  
Continental Copper Corporation  
July - September 1984  
Superior East Project  
Pinal County, AZ

Dear Mr. Eyrich:

Attached is a copy of the 3rd Quarter Report prepared in compliance with the agreement between ASARCO Incorporated and Continental Copper Corp.

The report is being sent a month early as all the work on the project has been completed for the year and all the assays have been returned.

Sincerely,

  
J. R. Stringham

JRS/cg

Attachment

cc: JDSell

August 23, 1984

File Memorandum

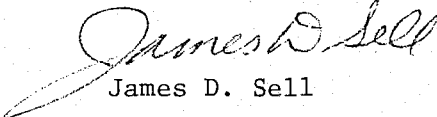
3rd Quarter Report  
Continental Copper Corporation  
July-September 1984  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Drill hole A-15 was terminated on July 6, 1984 at a total depth of 4699 feet. From the 2nd Quarter Report synopsis, the hole continued from 4450 feet to 4699 feet T.D. in Precambrian Pinal Schist with minor Laramide biotite feldspar porphyry with only minor copper values.

A tabulation of all assay numbers, footage, and assay value is attached for the entire sampled portion of the hole. Assay sheets are also attached to complete the listing. These include sheets dated July 3 (A-15-99 thru A-15-105), July 18 (A-15-60 thru A-15-67 and A-15-90 thru A-15-98), and August 8 (A-15-68 thru A-15-89 and A-15-106 thru A-15-121 T.D.).

The drilling location map is attached.

  
James D. Sell

JDS/cg

Attachments: Drill Map  
Table 1  
Assay Sheets

cc: JRStringham



**EXPLANATION**

POST-MINERAL ROCK UNIT

- Td-Dacite
- Tev-Early Volcanics
- Tw-Whitetail

PRE-MINERAL ROCK TYPE

- Tbx-Breccia
- Tqm-Quartz Monzonite
- Tgr-Granite
- Pe-Supai Formation
- Fn-Naco Limestone
- Me-Escabrosa Limestone
- Dm-Martin Limestone
- pCt-Troy Quartz
- pCdb-Diabase
- pCsc-Schist

A-8  
 ○ ASARCO Hole & Designation  
 4907' T.D. pCsc Total Depth - Rock Type

⊕ Proposed Drill Site

TO ACCOMPANY	<i>Quarterly</i>
	<i>Report</i>
DATED	<i>8/23/84</i>
BY	<i>J.D. Sell</i>

DRILLING PROGRESS MAP  
 For The 3 Quarter, 1984  
**CONTINENTAL COPPER CORP.**

PINAL COUNTY, ARIZONA

SCALE: 1"=500'

J.D. Sell

June 1977

# DDH A-15 ASSAYS

ASSAY Number A-15-	FOOTAGE	FEET	% Cu	
<u>Tertiary Whitakui Conglomerate</u>				
1	2260-2270	10	0.12	<del>FB</del>
2	2320-2330	10	0.02	<del>FB</del>
3	2400-2410	10	0.02	<del>FB</del>
4	2490-2500	10	0.01	<del>FB</del>
5	2800-2810	10	0.04	<del>FB</del>
6	2890-2900	10	0.08	
<u>Oxidized bedrock of Pinal Schist</u>				
7	2920-2930	10	0.03	
8	3000-3010	10	0.27	
9	3100-3110	10	0.02	
10	3200-3210	10	0.02	
11	3300-3310	10	0.01	

## DDH A-15 ASSAYS

ASSAY Number	FOOTAGE	FEET	% Cu	
<i>Oxidized bedrock of Pinal Schist</i>				
12	3400-3410	10	0.01	
13	3500-3510	10	0.01	
14	3600-3610	10	0.01	
15	3610-3618	8	0.01	
16	3618-3622	4	0.01	
<i>Sulfide bedrock of Pinal Schist *</i>				
17	3622-3632	10	0.01	
18	3632-3645	13	0.01	
19	3645-3650	5	0.09	
20	3650-3660	10	0.24	
21	3660-3670	10	0.35	
22	3670-3684	14	2.00	gsv
23	3684-3700	16	0.73	
24	3700-3712	12	0.76	
25	3712-3730	18	0.58	
26	3730-3739	9	0.94	gsv
27	3739-3752	13	0.38	
28	3752-3766	14	0.50	
29	3766-3778	12	0.44	
30	3778-3792	14	0.55	
31	3792-3802	10	0.38	

DDH A-15 ASSAYS

ASSAY Number	FOOTAGE	FEET	% Cu	
32	3802-3813	11	1.45	gsv
33	3813-3821	8	3.00	gsv
34	3821-3830	9	0.58	
35	3830-3840	10	0.46	
36	3840-3853	13	0.48	
37	3853-3858	5	0.80	
38	3858-3861	3	9.70	gsv
39	3861-3867	6	1.00	gsv
40	3867-3881	14	0.62	
41	3881-3890	9	0.49	
42	3890-3895	5	5.80	gsv
43	3895-3907	12	0.62	
44	3907-3918	11	0.65	
45	3918-3929	11	0.46	
46	3929-3942	13	0.46	
47	3942-3953	11	0.28	
48	3953-3961	8	0.52	
49	3961-3974	13	0.52	
50	3974-3989	15	0.36	
51	3989-4011	22	0.56	
52	4011-4021	10	0.49	
53	4021-4027	6	0.62	
54	4027-4035	8	0.41	
55	4035-4044	9	0.31	
56	4044-4054	10	0.45	



## DDH A-15 ASSAYS

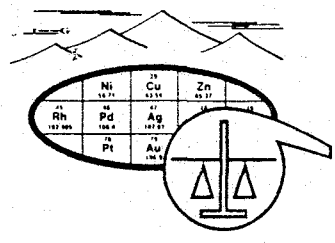
ASSAY Number	FOOTAGE	FEET	% Cu	
57	4054-4056	2	1.05	gsv
58	4056-4067	11	0.39	
59	4067-4082	15	0.64	
60	4082-4089	7	0.54	
61	4089-4098	9	0.64	
62	4098-4105	7	0.24	
63	4105-4114	9	0.51	
64	4114-4128	14	0.35	
65	4128-4140	12	0.37	
66	4140-4143	3	0.28	
67	4143-4155	12	0.42	
68	4155-4166	11	0.53	
69	4166-4179	13	0.17	
70	4179-4191	12	0.26	
71	4191-4206	15	0.15	
72	4206-4217	11	1.40	
73	4217-4223	6	0.20	
74	4223-4236	13	0.12	
75	4236-4244	8	0.08	
76	4244-4252	8	0.24	
77	4252-4264	12	0.06	
78	4264-4277	13	0.26	
79	4277-4282	5	0.31	
80	4282-4291	9	0.23	
81	4291-4295	4	0.90	

## DDH A-15 ASSAYS

ASSAY Number	FOOTAGE	FEET	% Cu	
82	4295-4308	13	0.49	
83	4308-4324	16	0.22	
84	4324-4337	13	0.29	
85	4337-4346	9	0.23	
86	4346-4360	14	0.32	
87	4360-4366	6	0.08	TP
88	4366-4377	11	0.44	
89	4377-4382	5	0.27	
90	4382-4392	10	1.10	gsu
91	4392-4395	3	0.24	
92	4395-4402	7	0.18	
93	4402-4411	9	0.57	
94	4411-4417	6	0.52	
95	4417-4423	6	0.14	
96	4423-4432	9	1.34	gsu
97	4432-4435	3	0.25	
98	4435-4450	15	0.91	gsu
99	4450-4462	12	0.68	
100	4462-4467	5	0.29	
101	4467-4470	3	0.39	TP
102	4470-4481	11	0.56	
103	4481-4498	17	0.10	
104	4498-4506	8	0.08	
105	4506-4521	15	0.13	
106	4521-4526	5	0.07	

## DDH A-15 ASSAYS

ASSAY Number	FOOTAGE	FEET	% Cu	
107	4526-4539	13	0.09	
108	4539-4557	18	0.12	
109	4557-4561	4	0.19	
110	4561-4577	16	0.07	
111	4577-4587	10	0.09	TP
112	4587-4593	6	0.16	TP
113	4593-4603	10	0.07	TP
114	4603-4612	9	0.22	
115	4612-4622	10	0.12	
116	4622-4632	10	0.08	
117	4632-4640	8	0.05	
118	4640-4655	15	0.03	
119	4655-4673	18	0.04	
120	4673-4682	9	0.13	
121	4682-4699	17	0.08	TP
	Total Depth			



SKYLINE LABS, INC.  
1775 W. Sahuaro Dr. • P.O. Box 50106  
Tucson, Arizona 85703  
(602) 622-4836

REPORT OF ANALYSIS

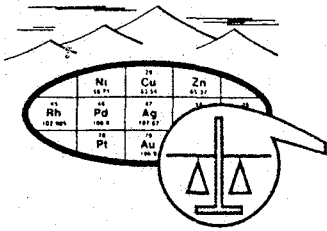
JOB NO. TAJ 379  
July 3, 1984  
PROJECT NO.: SUPERIOR EAST  
A15-99 TO A15-105  
PAGE 1 OF 1

ASARCO INCORPORATED  
Attn: Mr. James D. Sell  
Southwestern Exploration  
P.O. Box 5747  
Tucson, Arizona 85703

Analysis of 7 Core Samples

ITEM	SAMPLE NUMBER	Cu (%)
1	A15-99	.680
2	A15-100	.290
3	A15-101	.390
4	A15-102	.560
5	A15-103	.097
6	A15-104	.082
7	A15-105	.130

*[Handwritten Signature]*  
WILLIAM L. LEHMBECK  
Manager  
1984



**SKYLINE LABS, INC.**

1775 W. Sahuaro Dr. • P.O. Box 50106  
 Tucson, Arizona 85703  
 (602) 622-4836

REPORT OF ANALYSIS

JOB NO. TAJ 380  
 July 18, 1984  
 PROJECT NO.: EA-0010  
 SHIPMENT NO.: ONE  
 PAGE 1 OF 1

ASARCO INCORPORATED  
 Attn: Mr. James D. Sell  
 Southwestern Exploration  
 P.O. Box 5747  
 Tucson, Arizona 85703

Analysis of 17 Split Drill Core Samples

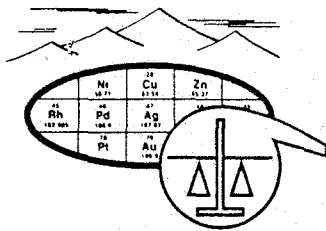
ITEM	SAMPLE NUMBER	Cu (%)	Cu (ppm)
1	A-15-60	.54	
2	A-15-61	.64	
3	A-15-62		2400.
4	A-15-63	.51	
5	A-15-64	.35	
6	A-15-65	.37	
7	A-15-66		2800.
8	A-15-67	.42	
9	A-15-90	1.10	
10	A-15-91		2400.
11	A-15-92		1800.
12	A-15-93	.57	
13	A-15-94	.52	
14	A-15-95		1400.
15	A-15-96	1.34	
16	A-15-97		2500.
17	A-15-98	.91	

RECEIVED

JUL 20 1984

EXPLORATION DEPARTMENT

*William L. Lehmbek*  
 REGISTERED ASSAYER  
 CERTIFIED  
 9428  
 WILLIAM L. LEHMBECK  
 Manager  
 ARIZONA 6/17/84



# SKYLINE LABS, INC.

1775 W. Sahuaro Dr. • P.O. Box 50106

Tucson, Arizona 85703

(602) 622-4836

## REPORT OF ANALYSIS

JOB NO. TAJ 382

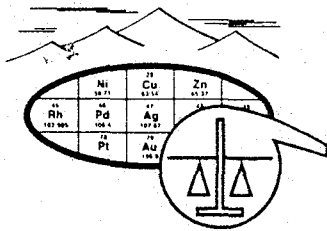
August 8, 1984

PAGE 1 OF 2

ASARCO INCORPORATED  
Attn: Mr. James D. Sell  
Southwestern Exploration  
P.O. Box 5747  
Tucson, Arizona 85703

### Analysis of 38 Core Samples

ITEM	SAMPLE NUMBER	Cu (ppm)	Cu (%)
1	A-15 68		.53
2	A-15 69	1700.	
3	A-15 70	2600.	
4	A-15 71	1500.	
5	A-15 72		1.40
6	A-15 73	2000.	
7	A-15 74	1200.	
8	A-15 75	950.	
9	A-15 76	2400.	
10	A-15 77	630.	
11	A-15 78	2600.	
12	A-15 79		.31
13	A-15 80	2300.	
14	A-15 81		.90
15	A-15 82		.49
16	A-15 83	2200.	
17	A-15 84	2900.	
18	A-15 85	2300.	
19	A-15 86		.32
20	A-15 87	840.	
21	A-15 88		.44
22	A-15 89	2700.	
23	A-15 106	660.	
24	A-15 107	940.	
25	A-15 108	1200.	



# SKYLINE LABS, INC.

1775 W. Sahuaro Dr. • P.O. Box 50106

Tucson, Arizona 85703

(602) 622-4836

JOB NO. TAJ 382

August 8, 1984

PAGE 2 OF 2

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ITEM	SAMPLE NUMBER	Cu (ppm)	Cu (%)
26	A-15 109	1900.	
27	A-15 110	680.	
28	A-15 111	950.	
29	A-15 112	1600.	
30	A-15 113	670.	
31	A-15 114	2200.	
32	A-15 115	1250.	
33	A-15 116	800.	
34	A-15 117	495.	
35	A-15 118	345.	
36	A-15 119	460.	
37	A-15 120	1350.	
38	A-15 121	770.	

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December 19, 1984

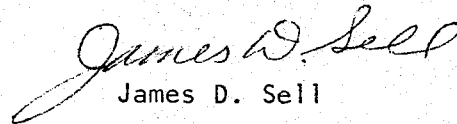
FILE MEMORANDUM

4th Quarter Report  
Continental Copper Corporation  
October-December 1984  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

No work was performed during the quarter except for the filing of the assessment work for the past year, holding the Margaret claims for the 1984-85 year.

JDS:mek

  
James D. Sell

cc: J. R. Stringham  
H. T. Eyrich - CMC



# ASARCO

Exploration Department  
Southwestern United States Division

January 8, 1985

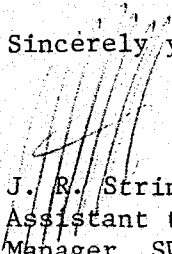
Mr. Henry T. Eyrich  
Vice President, Mining  
Continental Minerals Corporation  
P.O. Box 50726  
Tucson, AZ 85703

4th Quarter Report  
Continental Copper Corp.  
October-December 1984  
Superior East Project  
Pinal County, AZ

Dear Mr. Eyrich:

Attached is a copy of the 4th Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation. Filing of assessment work on the Margaret claims for 1984 was completed.

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

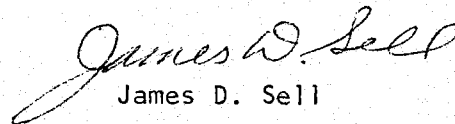
4th Quarter Report  
Continental Copper Corporation  
October-December 1984  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

No work was performed during the quarter except for the filing of the assessment work for the past year, holding the Margaret claims for the 1984-85 year.

JDS:mek

cc: J. R. Stringham  
H. T. Eyrich - CMC

  
James D. Sell

April 19, 1985

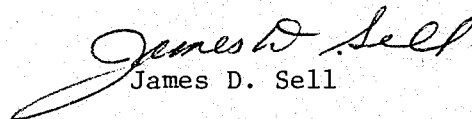
FILE MEMORANDUM

1st Quarter Report  
Continental Copper Corporation  
January-March 1985  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

No work was performed during the quarter on the property. A letter to the Forest Service was sent requesting approval for constructing an access road and drill pad in the SW $\frac{1}{2}$  Sec. 23, T1S, R13E.

JDS:mek

  
James D. Sell

cc: J.R. Stringham  
H.T. Eyrich - CMC

# ASARCO

Exploration Department  
Southwestern United States Division

April 22, 1985

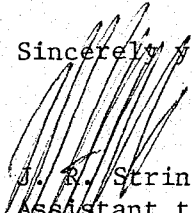
Continental Copper Corp.  
325 North Wells St.  
Chicago, Illinois 60610

1st Quarter Report  
Continental Copper Corp.  
January-March 1985  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the First Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: Continental Materials Corp.  
Attn: Mr. W. A. Ryan  
325 North Wells St.  
Chicago, IL 60610  
J. D. Sell

Need  
2<sup>nd</sup> Quarter  
185

Apparently didn't write one!

JDS

# ASARCO

Exploration Department  
Southwestern United States Division

October 1, 1985


Continental Copper Corp.  
325 North Wells St.  
Chicago, Illinois 60610

3rd Quarter Report  
Continental Copper Corp.  
July-September 1985  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the Third Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610  
J. D. Sell

October 1, 1985

FILE MEMORANDUM

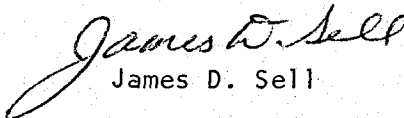
3rd Quarter Report  
July-September 1985  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

During the quarter a new access road and drill site was roughed in.

The Affidavit of Assessment work has been filed covering the claim block for the year ending September 1, 1985.

JDS:mek

  
James D. Sell

cc: J. R. Stringham  
W. A. Ryan - Continental

# ASARCO

Exploration Department  
Southwestern United States Division

January 3, 1986


Continental Copper Corp.  
325 North Wells St.  
Chicago, Illinois 60610

4th Quarter Report  
October-December 1985  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the Fourth Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, Illinois 60610

J.D. Sell



# ASARCO

Southwestern Exploration Division

JDS

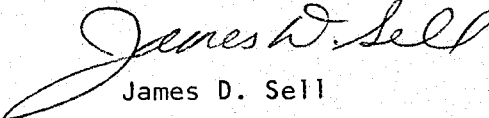
January 3, 1986

File Memorandum

4TH Quarter Report  
October-December 1985  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

No work was done on the block during the quarter.

  
James D. Sell

JDS:mek

cc: J. R. Stringham  
W. A. Ryan - Continental

# ASARCO

Exploration Department  
Southwestern United States Division

March 25, 1986

Mr. W. A. Ryan  
Continental Copper Corp.  
325 North Wells Street  
Chicago, IL 60610

1st Quarter Report  
Continental Copper Corporation  
January-March 1986  
Superior East Project  
Pinal County, AZ

Dear Sir:

Attached is a copy of the First Quarter Report prepared in compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation.

Sincerely yours,



W. D. Gay  
Land Engineer, SWED

WDG/JDS/gb

Attachment

cc: JDSell

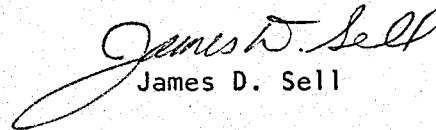
March 25, 1986

FILE MEMORANDUM

1st Quarter Report  
Continental Copper Corporation  
January-March 1986  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Geologic studies have been started to satisfy the annual assessment work on the claim block.

  
James D. Sell

JDS/gb

cc: WDGay  
WARyan - Continental

# ASARCO

Exploration Department  
Southwestern United States Division

June 25, 1986

Continental Copper Corp.  
325 North Wells St.  
Chicago, IL 60610

2nd Quarter Report  
Continental Copper Corp.  
April-June 1986  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 2nd Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation.

Sincerely yours,

*William D. Gay*  
William D. Gay  
Land Engineer, SWED

WDG:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J. D. Sell

June 25, 1986

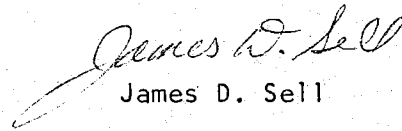
FILE MEMORANDUM

2nd Quarter Report  
Continental Copper Corporation  
April-June 1986  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claim block.

Geologic studies are continuing, to satisfy the annual assessment work on the claim block, for the assessment year ending September 1986.

JDS:mek

  
James D. Sell

cc: W. D. Gay  
W. A. Ryan - Continental

# ASARCO

Exploration Department  
Southwestern United States Division

September 26, 1986

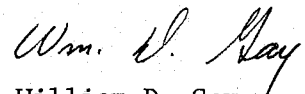
Continental Copper Corp.  
325 North Wells St.  
Chicago, IL 60610

3rd Quarter Report  
Continental Copper Corp.  
July-September 1986  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 3rd Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,



William D. Gay  
Land Engineer, SWED

WDG:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J. D. Sell

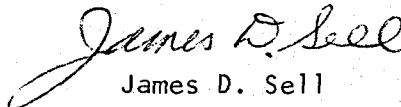
September 26, 1986

FILE MEMORANDUM

3rd Quarter Report  
Continental Copper Corporation  
July-September 1986  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim block.

The annual assessment work on the Margaret Claim block for the assessment year ending August 31, 1986, has been completed. The recording statements have been filed with the Pinal County Recorder and the State Director of the Bureau of Land Management.

  
James D. Sell

JDS:mek

cc: W.D. Gay  
W.A. Ryan - Continental

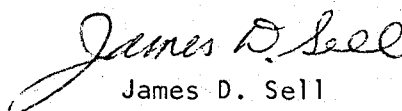
September 26, 1986

FILE MEMORANDUM

3rd Quarter Report  
Continental Copper Corporation  
July-September 1986  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claim block.

The annual assessment work on the Margaret Claim block for the assessment year ending August 31, 1986, has been completed. The recording statements have been filed with the Pinal County Recorder and the State Director of the Bureau of Land Management.

  
James D. Sell

JDS:mek

cc: W.D. Gay  
W.A. Ryan - Continental



# ASARCO

JDS

Exploration Department  
Southwestern United States Division

December 30, 1986

Continental Copper Corp.  
325 North Wells St.  
Chicago, IL 60610

4th Quarter Report  
Continental Copper Corp.  
October - December 1986  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 4th Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

*Wm. D. Gay*  
William D. Gay  
Land Engineer, SWED

WDG:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J. D. Sell

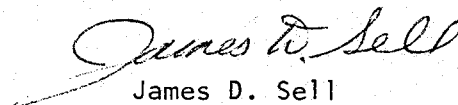
December 23, 1986

FILE MEMORANDUM

4th Quarter Report  
Continental Copper Corporation  
October - December 1986  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claims block.

Upon completion and recording of the work for the assessment year ending August 31, 1986, no further work has been done on the Margaret claims.

  
James D. Sell

JDS:mek

cc: W.D. Gay  
W.A. Ryan - Continental

# ASARCO

Exploration Department  
Southwestern United States Division

March 30, 1987

Continental Copper Corp.  
325 North Wells St.  
Chicago, IL 60610

1st Quarter Report  
Continental Copper Corp.  
January-March 1987  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 1st Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,



William D. Gay  
Land Engineer, SWED

WDG:mek  
att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J.D. Sell

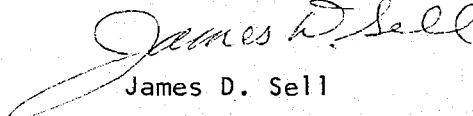
March 27, 1987

File Memorandum

1st Quarter Report  
Continental Copper Corporation  
January-March 1987  
Superior East Project

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claims.

No work was done on the claims this quarter.

  
James D. Sell

JDS:mek

cc: W.D. Gay  
W.A. Ryan - Continental

# ASARCO

JDS

Exploration Department  
Southwestern United States Division

June 23, 1987

Continental Copper Corp.  
325 North Wells St.  
Chicago, IL 60610

2nd Quarter Report  
Continental Copper Corp.  
April-June 1987  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 2nd Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

*William D. Gay*  
William D. Gay  
Land Engineer, SWED

WDG:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J. D. Sell

June 19, 1987

File Memorandum

2nd Quarter Report  
Continental Copper Corp.  
April-June 1987  
Superior East Project

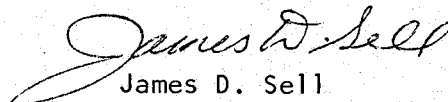
In compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claims.

Only inspection of the roads and future drill site was done during the quarter.

Letters have been mailed to the Forest Service and will be mailed to the State for notification of starting a new hole in the 3rd Quarter. A drill contractor has been notified and a contract is pending.

This work will complete the assessment work on the claims for the year ending August 31, 1987.

JDS:mek

  
James D. Sell

cc: W.D. Gay  
W.A. Ryan - Continental

# ASARCO

Exploration Department  
Southwestern United States Division

September 29, 1987

Continental Copper Corp.  
325 North Wells St.  
Chicago, IL 60610

3rd Quarter Report  
Continental Copper Corp.  
July-September 1987  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 3rd Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

*William D. Gay*  
William D. Gay  
Land Engineer, SWED

WDG:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J. D. Sell

September 25, 1987

## FILE MEMORANDUM

3rd Quarter Report  
July-September 1987  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the Agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claims.

The annual assessment work on the Margaret claim block for the assessment year ending August 31, 1987, has been completed. Drill hole A-16 was completed from surface to a depth of 1000 feet and encased for re-entry. The "Affidavit of Labor Performed and Improvements Made" has been recorded in Pinal County, Arizona, and has been filed with and acknowledged as received by the Bureau of Land Management, Phoenix, Arizona. A copy of this certified document was sent to Continental Copper on September 10, 1987, for their records.

JDS:mek

*James D. Sell*  
mek  
James D. Sell

cc: W.D. Gay  
W.A. Ryan - Continental



# ASARCO

Exploration Department  
Southwestern United States Division

December 29, 1987

Continental Copper Corp.  
325 North Wells St.  
Chicago, IL 60610

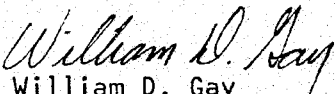
4th Quarter Report  
Continental Copper Corp.  
October-December 1987  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 4th Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

WDG:mek  
Att.

  
William D. Gay  
Land Engineer, SWED

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J. D. Sell

December 22, 1987

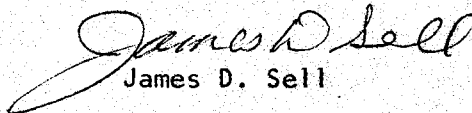
FILE MEMORANDUM

4th Quarter Report  
October-December 1987  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claims.

No work was performed during the quarter.

JDS:mek

  
James D. Sell

cc: W.D. Gay  
W.A. Ryan - Continental

# ASARCO

Exploration Department  
Southwestern United States Division

April 7, 1988

Continental Copper Corp.  
325 North Wells St.  
Chicago, Illinois 60610

1st Quarter Report  
Continental Copper Corp.  
January-March 1988  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 1st Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

WDG:mek  
Att.

*William D. Gay*  
William D. Gay  
Land Engineer, SWED

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J. D. Sell

JDS

April 4, 1988

FILE MEMORANDUM

1st Quarter Report  
January-March 1988  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claims.

No work was performed during this quarter.

JDS:mek

*James D. Sell*  
James D. Sell

cc: W.L. Kurtz  
W.D. Gay  
W.A. Ryan

# ASARCO

Exploration Department  
Southwestern United States Division

July 11, 1988

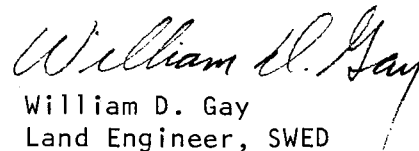
Continental Copper Corp.  
325 North Wells St.  
Chicago, Illinois 60610

2nd Quarter Report  
Continental Copper Corp.  
April-June 1988  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 2nd Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

  
William D. Gay  
Land Engineer, SWED

WDG:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, IL 60610

cc: J.D. Sell

July 11, 1988

FILE MEMORANDUM

2nd Quarter Report  
April-June 1988  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret Claims

The diamond drill contractor moved onto hole A-16 on June 13, 1988 and confirmed the depth at 1028 feet. Four inch casing was then installed and cemented in the previous rotary drilled hole.

NC coring commenced and proceeded to the depth of 1380 feet in the dacite volcanic unit.

The hole has been capped for reentry.

The assessment work will be filed for the Margaret claim group upon receipt of all expenditures for the assessment year ending August 31, 1988.

JDS:mek

*W. D. Gay for J. D. Sell*  
James D. Sell

cc: W.L. Kurtz  
W.D. Gay  
W.A. Ryan

# ASARCO

Exploration Department  
Southwestern United States Division

October 25, 1988

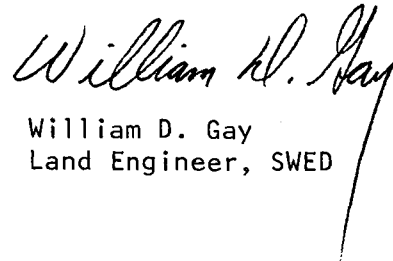
Continental Copper Corp.  
325 North Wells St.  
Chicago, Illinois 60610

3rd Quarter Report  
Continental Copper Corp.  
July-Sept. 1988  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 3rd Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

  
William D. Gay  
Land Engineer, SWED

WDG:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, Illinois 60610

cc: J.D. Sell

October 24, 1988

FILE MEMORANDUM

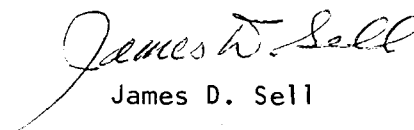
3rd Quarter Report  
July-August-September 1988  
Continental Copper Corp.  
Superior East Project  
Pinal County, AZ

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claims.

As reported in the previous quarterly report, the drill hole A-16 was cored to 1380 feet in the dacite volcanic unit and capped for reentry.

The assessment work covering the Affidavit of Labor for the assessment year September 1, 1987 thru August 31, 1988, has been filed with both the Pinal County Recorder's office and the Arizona Bureau of Land Management office. A copy was sent to Continental Copper, Inc., dated September 27, 1988.

JDS:mek

  
James D. Sell

cc: W.L. Kurtz  
W.D. Gay  
W.A. Ryan



# ASARCO

Exploration Department  
Southwestern United States Division

January 12, 1989

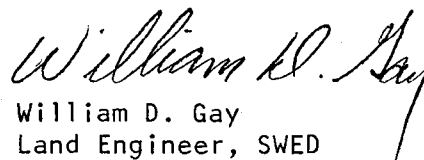
Continental Copper Corp.  
325 North Wells St.  
Chicago, Illinois 60610

4th Quarter Report  
Continental Copper Corp.  
October-December 1988  
Superior East Project  
Pinal County, AZ

Gentlemen:

Attached is a copy of the 4th Quarter Report prepared in compliance with the Agreement between ASARCO Incorporated and Continental Copper Corp.

Sincerely yours,

  
William D. Gay  
Land Engineer, SWED

WDG:mek  
Att.

cc: Continental Materials Corp.  
Att: Mr. W.A. Ryan  
325 North Wells St.  
Chicago, Illinois 60610

cc: J.D. Sell

January 9, 1989

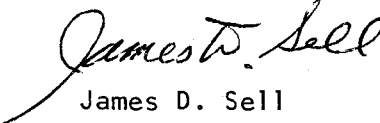
FILE MEMORANDUM

4th Quarter Report  
October-November-December 1988  
Continental Copper Corp.  
Superior East Project  
Pinal County, Arizona

In compliance with the agreement between ASARCO Incorporated and Continental Copper Corporation, I submit this quarterly report on the Margaret claims.

No work was done on the property during the quarter.

JDS:mek

  
James D. Sell

cc: W.L. Kurtz  
W.D. Gay  
W.A. Ryan