



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

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James Doyle Sell Mining Collection

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May 25, 1978

JDS

## FILE MEMORANDUM

Summary of TR-14  
3R Project  
Patagonia Mtns., Arizona

## SUMMARY

A 390-ft. intersection of chalcopyrite averaging 0.46% Cu, 0.026% MoS<sub>2</sub>, and 0.20 oz. Ag was cut at 4590 ft. The chalcopyrite occurs in well-altered quartz monzonite porphyry within a potassic alteration zone. Vertical alteration and mineralization zoning is well developed. An interpretation of sulfide zone geometry suggests that the potential for deep economic copper mineralization south and west of TR-14 is remote.

## INTRODUCTION

Hole TR-14 was collared 900 ft. southwest of TR-10 and was bottomed at 5407 ft. The purpose was to test for a more shallow, thicker, and higher grade extension of the mineralization encountered in TR-10. Severe drilling problems were encountered and the hole was initially lost at 3640 ft. The hole was wedged at 3316 ft. and redrilled at Asarco's cost to 4701 ft. During a bit change the string was planted at 3500 ft. due to both bad hole conditions and mechanical failure. Another wedge was set at 3222 ft. and the hole was successfully completed (costs for redrilling the interval 3222-4701 ft. were shared equally by Asarco and Tonto Drilling Co.). The hole was drilled with a CP-50 and the entire hole, including the redrilled portion (a total of 6508 ft.), was drilled in 4 months. The cost, including redrilled portions and averaged against 5407 ft. with minor site work at \$.51/ft., was \$37.77/ft. At 4975 ft. the hole had deviated in a near-linear and uniform way to a point 154 ft. N5°E of the collar. This report is based on information contained in the attached drill log supplemented by a study of 22 thin sections. Much of the detailed information is summarized on the attached graphic log. All assay and geochemical values were determined on 10-ft. samples. Several 100-ft. composite assays were run on deeper samples for minor metals and to check the individual 10-ft. assays.

## ROCK TYPES

The nature of rock types in the upper 500 ft. of the hole is obscured by texturally destructive advanced argillic alteration and rock identifications are best made using megascopic features which may exceed the size of an individual thin section. The oldest rock is a rhyolite porphyry and tuff-agglomerate(?) which was cut in three zones from 0-560 ft. Porphyritic volcanic rocks are tentatively distinguished from the intrusive porphyries by a relatively low abundance (less than 15%) of generally small feldspar phenocrysts. Tuffaceous-agglomeratic zones may be either primary features, intrusion breccias related to emplacement of the porphyries, or xenolithic zones in the porphyries.

December 20, 1978

## FILE MEMO

Summary of TR-16  
Three R Project  
Santa Cruz County, Arizona

## SUMMARY

Hole TR-16 cut chalcocite mineralization from 860-1110 ft. averaging 250 ft. of 0.35% Cu. The mineralization was erratically distributed and carried to a certain extent by two high 10 ft. assays. Chalcocite occurs entirely as a partial replacement of disseminated pyrite and appears to be more abundant in the latite porphyry than in the alaskite.

## INTRODUCTION

Diamond drill hole TR-16 was collared next to TR-1 and 2 and drilled at a bearing of S30°E and inclination of -40° from the horizontal to a depth of 1445 ft. The hole was not surveyed. The purpose was to test for southeasterly extensions of the chalcocite mineralization cut in TR-1 and 2. Core recovery from 0-440 ft. varied from 25-90% and averaged 54%; loss was greatest in zones of strong shearing where supergene leaching had disintegrated the rock. Below 440 ft. core recovery generally exceeded 90%. The hole was drilled by Joy and at an average cost of \$22.17/ft. The majority of the cost was incurred in the initial 260 ft. where severe caving ran costs to \$31/ft. Road and site costs averaged an additional \$2.10/ft. due to abnormally violent rainfall which destroyed the road on 3 separate occasions after the drill was placed on site. The following summary is based on information contained in the attached drill log; no thin or polished sections were cut.

## GENERAL GEOLOGY

The hole was drilled in alaskite which was cut by dikes of latite porphyry and quartz monzonite porphyry. The dikes exhibit gradational textural relationships, supporting previous thoughts that the latite porphyry dikes common in the Three R mine area are part of the Laramide igneous event. From 0-600 ft. the alaskite has been strongly disintegrated by strong supergene leaching along a shear zone to the extent that the core simply falls apart in the box. The disintegration occurs along and within grain boundaries and is easily the most intense I have seen. A single dike of latite porphyry at 84-131 ft. is notably less crushed than the alaskite.

Alteration throughout the hole appears to be dominantly sericite with possible occurrences of alunite (advanced argillic) to depths of 1000 ft. Alteration in the leached capping is difficult to recognize, but may be mixed phyllic and advanced argillic. Alteration is pervasive in that all feldspars are destroyed, although igneous textures are largely preserved.

Pyrite was the only hypogene sulfide observed and varies in abundance from 5-8 volume percent. Pyrite is 95-100% disseminated, the remainder occurring without quartz in thin fissure veins with no recognizable

ANNUAL PROJECT PLANNING SHEET

DISTRICT: Southwest  
 PROJECT NAME: 3R (includes Flux)  
 PROJECT NUMBER: 0040  
 PROJECT SUPERVISOR: W.D.Payne  
 PROJECT GEOLOGIST: F.R.Koutz  
 PREPARED BY/DATE: FRK/6-1-81

EXPENDITURES

1. Month of 11/81 \$293.00
2. Current Year Expenses to Date thru 11/81 \$ 16,645.00
3. Budget for Current Year 1981 \$ -0-
4. Thru previous year, since project began \$758,381  
 (+\$19,300 in Gen.Expl.)

TYPE OF PROJECT

- Recon
- Drilling
- Pre-Development
- Other

COST ESTIMATE & APPROPRIATION REQUEST

Current Yr. Orig. Budget \$ -0-\*  
 Current Yr. Add. Request @ \$ \_\_\_\_\_  
 Current Yr. Add. Request @ \$ \_\_\_\_\_  
 New Total \$ \_\_\_\_\_

Approvals	
Dist. Geol.	West. U.S.
<i>W.D.P.</i>	<i>W.D.P.</i>

OBJECTIVE: Hold the ground. Reach decision on purchase of Pierce Option. Complete reports from 1980 drilling (TR-17).

Progress for the Month of November 1981

\*Asarco's 51% of JV agreement with Anaconda. ~9K remains in an EA (#-05) and charges up to this amount will be against 0040 rather than General Exploration.

PLANNED TASKS	RESPONSIBILITY/TIME TO COMPLETE	TARGET DATE	% COMPLETE	PROGRESS TO DATE
1) Log and assay TR-17. Complete petrography and geologic summary.	FRK/3 weeks FRK/1 week	1-31-81 7-15-81	100 100	Report finished, it is being typed and assembled.
2) Factual data package and core to Anaconda.	FRK-HMS/3 days	1-31-81	100	TR-17 split core stored at Anaconda Haughton Road facility, skeleton in Ventura whse. TAC also has all of ASARCO-drilled TR skeletons. <u>(We should return TR skeletons to Ventura whse.)</u>
3) Decision on Pierce Option payment.	FTG-WLK	4-1-81	100	No
4) Factual data package on Pierce option ground to property owners.	FRK-RBC/1 day	8-31-81?	100	R.B.Crist talked to Pierce and provided data 25 June 81.
5) Close Flux Mine to mineral collectors.	FRK-HMS/2 weeks	4-15-81	100	Physical closing checked by F.R.Koutz 9/81- good. Reseeding and repair of fences around glory holes needed: suggest HMS/TCB/JMW
6) File assessment work with Santa Cruz County and BLM.	RBC/2 days	11-30-81	100	Mailed 3/31/81 -- Acknowledge 4/6/81 BLM.

Nov. 81

November 24, 1981

REPORT ON: TR-17, 3R Project  
Santa Cruz County, Arizona

BY: Fleetwood R. Koutz



### Summary

Hole TR-17 (3827' TD) was drilled to test the northeastern limits of Mo-Cu Ventura breccia mineralization on the extreme southwestern edge of 3R ground. TR-17 encountered three main rock units: a biotite quartz monzonite to granite porphyry from 0' - 1641', a section of rhyolite porphyry in three main masses from 1641' - 2023', and biotite granodiorite from 2023' - 3827'. The rock was moderately to strongly altered and weakly mineralized.

Alteration above the granodiorite is characterized by quartz-sericite-pyrite veins and selvages with the feldspars in interveinlet blocks converted to green montmorillonite and mafics to chlorite. The granodiorite shows moderate recrystallization of rock biotite with subsequent chloritization and locally strong K-feldspar flooding around quartz-sericite-sulfide  $\pm$  biotite  $\pm$  chlorite  $\pm$  anyhydrite-gypsum veins.

In the granodiorite mineralization is characterized by veinlet or fracture-controlled chalcopyrite and, locally, molybdenite. Chalcopyrite and trace bornite are also weakly disseminated in mafic sites in alteration selvages of veinlets in the deeper portions of the hole. Chalcopyrite mineralization is weak and spotty in the upper 2000 feet of the hole and shows local very weak enrichment by covellite and trace chalcocite. Local veinlets containing sphalerite and galena are common through TR-17 but of insignificant grade. Cu and Mo average 0.16% and .005% between 2000 and 3000 feet and 0.22% and .005% between 3000 and 3827 feet, respectively. The best interval was 3460' - 3520'; 60 feet of 0.32% Cu and 0.0083% Mo.

TR-17 encountered impressive thicknesses of submarginal grade Cu and Mo mineralization which is related to the overall Ventura system. Although the lowest portions of the hole contain spotty zones of chalcopyrite-bornite which approach ore grade, no significant indications of the high-grade Ventura ore breccias or of major zones of higher grade mineralization at greater depths were encountered.

### Introduction

Drilling by West Range Company on the Ventura breccia (Figure 1) in the mid-1960's defined a reserve of 3.6 million tons averaging 0.24% Mo and 0.25% Cu (or 6.3 m.t. @ 0.17% Mo and 0.26% Cu). Drilling by Noranda to depths of just over 2000 feet defined a large, submarginal-grade porphyry Cu-Mo system centered about 500 feet northwest of the north end of the breccia outcrop. In 1978 and 1979 ASARCO drilled hole V-37 (4400 TD) and 700 feet northwest of the north end of the breccia outcrop encountered a 400 foot ore breccia section starting at a 1460 foot depth averaging 0.47% Cu and 0.021% Mo.

Covellite also occurs in minor amounts, coating and replacing other sulfides especially chalcopyrite. Much of the covellite in the upper 1000' of the hole is supergene and closely related to the percentage of iron oxides after pyrite and other sulfides. Thin films of covellite are common at depths also, especially in areas of bornite but also associated with specularite and late red hematite. Minor coatings of chalcocite on pyrite were noted in the upper several hundred feet of TR-17. Trace amounts of a silver-grey probable sulfosalt, enargite or tennantite, replacing chalcopyrite and pyrite were noted from about 1100'-2000'.

Molybdenite content is usually very low. Molybdenite occurs in milky white quartz veins usually with minor pyrite and chalcopyrite and in quartz-K-feldspar-biotite-chalcopyrite-pyrite  $\pm$  anhydrite veins. Minor amounts of molybdenite occur as "paint" on fractures. Mo grades are almost always below 20 ppm above 2100'. Below 2100' Mo runs from 30 - 80 ppm and in a few cases may reach several 100 ppm. The highest Mo contents occur from about 2500'-3300', above the high Cu zone.

Sphalerite and galena occur, in minor amounts, usually together, in late veins and show good correlation to Cu content. Pb and Zn may reach several hundred ppm in the top several 100', between 900'-1400' and below 2800'. Pb and Zn average, respectively, 64 and 100 ppm above 3000' and 190 and 224 ppm below 3000' from one 10 foot character assay per 100 feet.

Magnetite and iron oxide content is indicated on Figure 2. Much of the magnetite is original rock magnetite associated with primary biotite. Some magnetite is disseminated in quartz-biotite-chalcopyrite-bornite-K-feldspar-anhydrite veinlets - closely associated with this assemblage. Most hematite is red, however, and is associated with sulfide oxidation, at all depths in TR-17.

Note: Gold is trace to < 0.001 oz/T; Ag is < 0.02 oz/T above 2000' and averages 0.04 oz/T below 2000'.

TABLE 1

Interval (feet)	Cu %	Mo %	No. 10 ft. Intervals 0.3% Cu	Cu mineralogy	
0-300'	300'	816 ppm	<0.001*	2	cp > cv > cc
300-800	500	258	<0.001*	0	cp > cv
800-1070	270	<0.05*	<0.001	-	cp >> cv
1070-1150	80	0.08	0.0009	1	cp > cv > > en(?)
1150-1200	50	<0.05*	0.001	-	cp > > cv
1200-1460	260	0.07	0.0014	1	cp > cv > bn > en(?)
1460-1500	40	<0.05*	<0.001*	-	cp >> cv
1500-1560	60	0.15	0.0038	0	cp > cv
1560-1900	340	0.05*	0.002*	-	cp > > cv
1900-2000	100	0.08	0.002	0	cp >> cv
2000-2300	300	0.17	0.0023	2	cp >>> cv
2300-3000	700	0.15	0.0057	1	cp >>> cv
3000-3460	460)	0.20	0.0058)	4	cp >>> cv > bn
3460-3520	60)	0.32	0.0083)	4	cp
3520-3827(TD)	307)	0.23)	0.0031)	5	cp > > bn=cv
or					
3000-3827	827'	0.22	0.0050	13	

\*Visual estimate: only 10' character assays, 1 per 100 feet.

# ASARCO

January 11, 1982

Exploration Department  
Southwestern United States Division  
William D. Payne  
Manager

Mr. John Wilson, Manager  
Domestic Metals Exploration  
The Anaconda Company  
555 Seventeenth Street  
Denver, Colorado 80217

Quarterly Report: Sept.-Dec. 1981  
Three R Joint Venture  
Santa Cruz County, Arizona

Dear John:

During the fourth quarter of 1981 there was no significant geologic, geophysical or geochemical activity undertaken by ASARCO with regard to the Three R joint venture area.

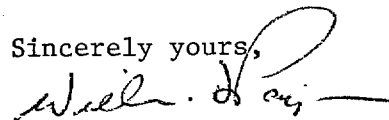
We are in the throes of organizing our local core warehouse and contained material and find that we are missing the skeleton core from holes TR-10 through 16. I understand from F. Koutz that these were borrowed for review and have been inadvertently forgotten about. We would appreciate getting these back; we can pick them up ourselves at some time convenient to your personnel.

Because of some confusion (controversy?) regarding the legal boundary of the Argentor claims of Commonwealth International (Lichty - Eimon's group), we are going to have a registered mineral surveyor conduct a survey of those portions in question and some resolution will be made thereafter. A part of the boundary in question is common to the Three R group of claims.

I hear third-hand (or more distant) that the Pierce Option people might be willing to relinquish the 11 unpatented claims portion of their group for a very nominal amount. Before this matter is possibly pursued with them, I would like to get some general indication from you regarding Anaconda's interest in sharing the cost.

There is no significant geological work planned for the Three R group during the first quarter of 1982.

Sincerely yours,



William D. Payne

WDP/mlm

c: R.B. Crist  
W.L. Kurtz  
F.R. Koutz  
J.R. King-Anaconda  
G.M. Clark, Jr.

ASARCO Incorporated P. O. Box 5747 Tucson, Az 85703  
1150 North 7th Avenue (602) 792-3010



ANNUAL PROJECT PLANNING SHEET

WDP

DISTRICT: Southwestern  
 PROJECT NAME: Three R (includes Flux)  
 PROJECT NUMBER: EA-0040  
 PROJECT SUPERVISOR: W. D. Payne  
 PROJECT GEOLOGIST: F. R. Koutz  
 PREPARED BY/DATE: FRK 2/19/82

EXPENDITURES  
 1. Month of \_\_\_\_\_ \$ \_\_\_\_\_  
 2. Current Year Expenses to Date thru \_\_\_\_\_ \$ \_\_\_\_\_  
 3. Budget for Current Year 19\_\_ \$ \_\_\_\_\_  
 4. Thru previous year, since project began \$ 773,596

TYPE OF PROJECT  
 Recon  
 Drilling  
 Pre-Development  
 Other

COST ESTIMATE & APPROPRIATION REQUEST


			Approval
			Dist. Geol.
Current Yr. Orig. Budget	\$		
Current Yr. Add. Request @	\$		
Current Yr. Add. Request @	\$		
New Total	\$		

OBJECTIVE: Hold ground for 1982. Select future exploration targets to aid in resolution of Trench mineral system.

Progress for the Month of \_\_\_\_\_

PLANNED TASKS	RESPONSIBILITY/TIME TO COMPLETE	TARGET DATE	% COMPLETE	PROGRESS TO DATE
1. Fly and topo map of N. Patagonia Mtns. - survey in TR-DDH + claims - control points.	FRK/WDP - 2 weeks HMS/J.Yanez - 2 weeks	See TCH 6/1/82		
2. Select possible future drill targets (e.g. near TCH-2, BX pipe, Flux, Sunnyside, etc.)	FRK - 1 week	7/1/82		
3. Road work for new drill site	TCB/FRK USFS	8/15/82		
4. File assessment work with Santa Cruz County & BLM	RBC - 2 days	9/1/82		
(Geophysical Recon - see Trench)				

ANACONDA Minerals Company  
555 Seventeenth Street  
Denver, Colorado 80202  
Telephone 303 575 4000

~~WJK~~ ~~USA~~ - RBC - FRK → *file*  
3R Proj  


February 11, 1982

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

American Smelting and Refining Company  
ATTN: Exploration and Mining Departments  
120 Broadway  
New York, New York 10005

American Smelting and Refining Company  
ATTN: Exploration Department  
P. O. Box 5747  
Tucson, Arizona 85703


Gentlemen:

RE: Anaconda-ASARCO Agreement of June 22, 1972  
3-R Project, Santa Cruz County, Arizona

In accordance with provisions contained in Article 9 of the above-captioned agreement, Anaconda declines to participate proportionately in the upcoming \$100,000 increment of expenditures. We understand that if ASARCO expends \$100,000 on the property, our interest will be diluted by 2%. Anaconda shall continue to have the option to participate or to not participate in any subsequent incremental expenditure.

Please continue to provide statements of ASARCO's expenditures. Based on these, follow-up documentation of changes in interest should be written.

Sincerely,

  
Dawn L. Janowski, Manager  
Property and Lease Administration

js

cc: R. Alletag  
J. King  
E. Savelson  
J. Wilson

cc: G. Clark  
*W.D. Payne*

RECEIVED

FEB 16 1982

EXPLORATION DEPARTMENT

ANNUAL PROJECT PLANNING SHEET

WDP

DISTRICT: Southwestern  
 PROJECT NAME: Three R (includes Flux)  
 PROJECT NUMBER: EA-0040  
 PROJECT SUPERVISOR: W. D. Payne  
 PROJECT GEOLOGIST: F. R. Koutz  
 PREPARED BY/DATE: FRK 2/19/82

EXPENDITURES

1. Month of March \$170
2. Current Year Expenses to Date thru March \$ 6,132
3. Budget for Current Year 19   \$
4. Thru previous year, since project began \$773,596

TYPE OF PROJECT

- Recon
- Drilling
- Pre-Development
- Other

COST ESTIMATE & APPROPRIATION REQUEST

			Approval
			Dist. Geol.
Current Yr. Orig. Budget	\$		
Current Yr. Add. Request @	\$		
Current Yr. Add. Request @	\$		
New Total	\$		

OBJECTIVE: Hold ground for 1982. Select future exploration targets to aid in resolution of Trench mineral system.

Progress for the Month of March

PLANNED TASKS	RESPONSIBILITY/TIME TO COMPLETE	TARGET DATE	% COMPLETE	PROGRESS TO DATE
1. Fly and topo map of N. Patagonia Mtns. - survey in TR-DDH + claims - control points.	FRK/WDP - 2 weeks HMS/J.Yanez - 2 weeks	See TCH 6/1/82	10%	TCB - Repapering Boot Group. See TM sheet.
2. Select possible future drill targets (e.g. near TCH-2, BX pipe, Flux, Sunnyside, etc.)	FRK - 1 week	7/1/82	10%	Ongoing
3. Road work for new drill site	TCB/FRK USFS	8/15/82	5%	Route? Located and flagged (N of TM-9)
4. File assessment work with Santa Cruz County & BLM	RBC - 2 days	9/1/82	0%	Could be done using TCH-2A
(Geophysical Recon - see Trench)				

ANNUAL PROJECT PLANNING SHEET

JDS

EXPENDITURES

TYPE OF PROJECT

COST ESTIMATE & APPROPRIATION REQUEST

DISTRICT: Southwestern  
 PROJECT NAME: Three R (includes Flux)  
 PROJECT NUMBER: EA-0040  
 PROJECT SUPERVISOR: W. D. Payne  
 PROJECT GEOLOGIST: F. R. Koutz  
 PREPARED BY/DATE: FRK 2/19/82

1. Month of April \$ 805
2. Current Year Expenses to Date thru April \$ 2,064
3. Budget for Current Year 19\_\_ \$ \_\_\_\_\_
4. Thru previous year, since project began \$ 773,596

- |                                     |                 |
|-------------------------------------|-----------------|
| <input type="checkbox"/>            | Recon           |
| <input checked="" type="checkbox"/> | Drilling        |
| <input type="checkbox"/>            | Pre-Development |
| <input type="checkbox"/>            | Other           |

Current Yr. Orig. Budget	\$ _____	Approval Dist. Geol.
Current Yr. Add. Request @ _____	\$ _____	
Current Yr. Add. Request @ _____	\$ _____	
New Total	\$ _____	

OBJECTIVE: Hold ground for 1982. Select future exploration targets to aid in resolution of Trench mineral system.

Progress for the Month of April

PLANNED TASKS	RESPONSIBILITY/TIME TO COMPLETE	TARGET DATE	% COMPLETE	PROGRESS TO DATE
1. Fly and topo map of N. Patagonia Mtns. - survey in TR-DDH + claims - control points.	FRK/WDP - 2 weeks HMS/J.Yanez - 2 weeks	See TCH 6/1/82	20%	TCB - Repapering Boot Group, paneling for photography.
2. Select possible future drill targets (e.g. near TCH-2, BX pipe, Flux, Sunnyside, etc.)	FRK - 1 week	7/1/82	10%	Postponed. Flux mine metal zoning study planned.
3. Road work for new drill site	TCB/FRK USFS	8/15/82	5%	Postponed.
4. File assessment work with Santa Cruz County & BLM	RBC - 2 days	9/1/82	0%	Could be done using TCH-2A
(Geophysical Recon - see Trench)				

April 82

de w/ Fleet - yes per FRK 5/12  
SDS - Thinks its part of agreement

All we supposed to be doing a  
Q. Rept. for Anaconda 3R? If  
so, This was the last one done +  
looks like were only a year  
behind.

# ASARCO

Exploration Department  
Southwestern United States Division  
William D. Payne  
Manager

April 14, 1982

Mr. John Wilson, Manager  
Domestic Metals Exploration  
The Anaconda Company  
555 Seventeenth Street  
Denver, CO 80217

Quarterly Report  
January-March 1982  
Three R Joint Venture  
Santa Cruz County, Arizona

Dear John:

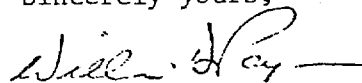
During the first quarter of 1982 there was no significant geologic, geophysical or geochemical activity undertaken by ASARCO Incorporated with regard to the Three R joint venture area.

All of the skeleton core from holes TR-10 through 16 have been returned from the Anaconda warehouse storage. The help received from your crew was appreciated.

Field checking and surveying of 3R claim boundaries with the Argentero group are still in progress. This is slow due to dilapidated monuments and survey time spent repudiating ridiculous claims filed by the usurping organization known as the Gold Depository & Loan Company which has been giving lots of western companies a large headache.

Other than continued claim resurrection and repapering where needed, no significant work is planned for the Three R group for the second quarter of 1982.

Sincerely yours,



William D. Payne

WDP/cg

cc: R. B. Crist  
W. L. Kurtz  
F. R. Koutz  
J. R. King - Anaconda  
G. M. Clark, Jr.

ANNUAL PROJECT PLANNING SHEET

DISTRICT: Southwestern  
 PROJECT NAME: Three R (includes Flux)  
 PROJECT NUMBER: EA-0040  
 PROJECT SUPERVISOR: W. D. Payne  
 PROJECT GEOLOGIST: F. R. Koutz  
 PREPARED BY/DATE: FRK 2/19/82

EXPENDITURES

1. Month of MAY \$ 538
2. Current Year Expenses to Date thru MAY \$ 3326
3. Budget for Current Year 19   \$
4. Thru previous year, since project began \$ 773,596

TYPE OF PROJECT

- |                                     |                 |
|-------------------------------------|-----------------|
| <input type="checkbox"/>            | Recon           |
| <input checked="" type="checkbox"/> | Drilling        |
| <input type="checkbox"/>            | Pre-Development |
| <input type="checkbox"/>            | Other           |

COST ESTIMATE & APPROPRIATION REQUEST

			Approval	
			Dist. Geol.	
Current Yr. Orig. Budget	\$			
Current Yr. Add. Request @	\$			
Current Yr. Add. Request @	\$			
New Total	\$			

OBJECTIVE: Hold ground for 1982. Select future exploration targets to aid in resolution of Trench mineral system.

Progress for the Month of MAY 1982

PLANNED TASKS	RESPONSIBILITY/TIME TO COMPLETE	TARGET DATE	% COMPLETE	PROGRESS TO DATE
1. Fly and topo map of N. Patagonia Mtns. - survey in TR-DDH + claims - control points.	FRK/WDP - 2 weeks HMS/J.Yanez - 2 weeks	See TCH 6/1/82	70%	TCB - Repapered Boot Group, paneling for photography. Flown May 23. TCB needs to tabulate claims repapered/re-posted.
2. Select possible future drill targets (e.g. near TCH-2, BX pipe, Flux, Sunnyside, etc.)	FRK - 1 week	7/1/82	10%	Postponed. Flux mine metal zoning study planned.
3. Road work for new drill site	TCB/FRK USFS	8/15/82	5%	Postponed.
4. File assessment work with Santa Cruz County & BLM	RBC - 2 days	9/1/82	0%	Could be done using TCH-2A
(Geophysical Recon - see Trench)				



May 82

May 24, 1982

To: J. D. Sell

From: F. R. Koutz

Trench Area Exploration  
Trench (0200), Three-R (0040),  
& Thunder Mountain (0042) Projects  
Santa Cruz County, Arizona

## Summary, Conclusions and Recommendations

Over the past twenty years a number of companies have completed 24 drill holes (+1000 feet depth) on the subject properties. Asarco has drilled ten of these deep holes in the main Trench-Sunnyside area. A deep sub-marginal porphyry copper deposit of an estimated 450 million tons @ 0.34% Cu (0.25% Cu cut-off) and .012% Mo with apex below 3700 feet depth exists beneath the west side of the Sunnyside diatreme centered to the north of DDH TR-10. Associated skarn alteration and Zn-Ag-Pb-Cu mineralization exists to the northeast with ore grade mineralization consisting of more than 57 and 124 feet of 15-18%  $\Sigma(\text{Zn} > \text{Pb} > \text{Cu})$  with 7-11 oz. Ag/T intersected in TCH-2. Structural complications are indicated within the skarn zone because Navi-drill hole TCH-2A failed to intersect the favorable units mineralized in TCH-2.

The large size and strength of the hydrothermal system generated by the quartz-feldspar porphyry intrusive justify additional drill holes to follow TCH-2 mineralization and to test the limits of skarn zones around the margin of the mineralizing quartz-feldspar-porphphyry.

I recommend two drill-outs from TCH-2, first to the NNW and then to the NNE to test for the continuation of stratigraphy and mineralization encountered in TCH-2 and related to the northeast-trending QFP intrusive zone in Upper Alum Gulch. The next hole on Thunder Mountain ground should be located in Upper Alum Gulch near the Trench (Humboldt-Mendoza) boundary to test deeper Paleozoic rocks nearer to the main QFP boundary. Additional holes on Thunder Mountain ground might be located about 1500 feet SW of TM-13 and 600 feet S to 1500 feet SW of TCH-2 also to test the carbonate section cut by QFP intrusives. A hole 1000-2000 feet north to NNE of TCH-2 should test the outer limits of skarn zones and help to evaluate the carbonate-hosted mineralization potential of competitor ground to the north. Lower priority targets, on Three-R ground, are from 500 to 4000 feet north of TM-9 and beneath the Flux mine. Limestones east of Trench along the January-Norton-Alta-Hardshell zone also deserve deep testing.

## General

The geology and mineralization in the subject project areas have been discussed in various company reports by Graybeal and Koutz. The purpose of

# ASARCO

Exploration Department

Frederick T. Graybeal  
Chief Geologist

June 24, 1982

Mr. J. D. Sell, Manager  
Southwestern Exploration Division  
Tucson Office

Tonnage - Grade Estimate  
Sunnyside Porphyry Copper  
Santa Cruz County, Arizona

Dear Mr. Sell:

The estimate attributed to me by Mr. Koutz in his letter of June 8, 1982\* is in error. Several years ago I estimated the copper content of this deposit, but because of limited data and obvious sub-marginal grades I never recorded the numbers. The numbers I derived were 100 million tons averaging 0.51% Cu, 0.030% MoS<sub>2</sub>, 0.17 oz. Ag, and 0.003 oz. Au in an inverted cone, elongate northeast which conforms to the suspected geologic configuration of the deposit. This geometry required some geologic assumptions which appear more reasonable than the more abstract polygon approach. Grade and thickness contours were drawn on the ellipse and tonnages of individual grade zones were combined on a weighted basis. Thicknesses were drawn on the assumption that TR-10 was a true thickness and that TR-14 penetrated an inclined limb of this ellipse which had a true thickness of 250 ft.

Because of the uncertain position of the eastern portion of the reserve ellipse, due to hypogene leaching of chalcopyrite by a collapsing phyllic alteration zone which moved down and to the southwest from the diatreme, estimates will vary according to individual preference. I can't find my work sheets which may be somewhere in Tucson.

Very truly yours,

*F. T. Graybeal*  
F. T. Graybeal

cc: WLKurtz

\* Cu-Mo-Ag Resources  
Sunnyside Porphyry Deposit  
Three R & Thimble Hill Projects  
by F.R. Koutz

RECEIVED

JUN 28 1982

ASARCO Incorporated 120 Broadway New York, N. Y. 10271 (212) 669-1000

Telex: ITT 420585 RCA 232378 WUI 62522 Cables: MINEDEPART Telegrams: WU1-2591 W. U. S. EXPL. DIV.

June 8, 1982

To: J. D. Sell

From: F. R. Koutz

Cu-Mo-Ag "Resources"  
Sunnyside Porphyry Deposit  
Three-R & Thunder Mtn. Projects  
Santa Cruz County, AZ

Although I have heard (I believe from F. T. Graybeal) figures of "several hundred million tons of 0.3-0.4% Cu with minor Mo and Ag credits" for the Sunnyside, igneous-hosted, porphyry copper deposit as intersected in holes TR-10, 11, 14, 15 and TM-8 I have not seen this figure written down anywhere. So I spent a few minutes and made the calculations below--admittedly very rough and non-rigorous but sufficient for general use and something to have in the files.

The 5 polygons below were drawn by the perpendicular bisector method with the outer limits roughed-in by geologic judgement, generally less than the distance from the four outer holes to the TR-10 polygon boundary. Graph paper squares were counted for the polygon area. The footages and grades come from the drill-hole summary reports with cut-offs mostly geologic but generally 0.2 to 0.3% Cu. The TR-10 column was increased and diluted from the drill logs. Tonnage factor was 12.5 ft<sup>3</sup>/ton.

DDH	Depth Top Intercept	Footage	Polygon Area x 10 <sup>6</sup> ft <sup>2</sup>	Million Tons	Average Grades		
					Cu %	Mo %	Ag oz/T
TM- 8	4300'	1200'	1.68	160.8	0.25	0.010	0.10
TR-10	3700'	900'	1.68	120.8	0.44	0.0165	0.12
TR-11	4800'	672'	1.54	82.8	0.37	0.0113	0.16
TR-14	4590'	390'	1.13	35.3	0.46	0.0154	0.20
TR-15	4630'	679'	1.00	54.3	0.23	0.0095	0.15
Totals "About 0.25% Cu cut-off"				454.0	0.336	0.012	0.13
TR-10 + TR-11 + TR-14 only (about 0.34%)				238.9	0.419	0.014	0.15

The second total is of higher quality (accuracy). Although a large body of mineralized rock is present the grade and depth definitely places the Sunnyside deposit in the submarginal or resource category.



F. R. Koutz

FRK/cg

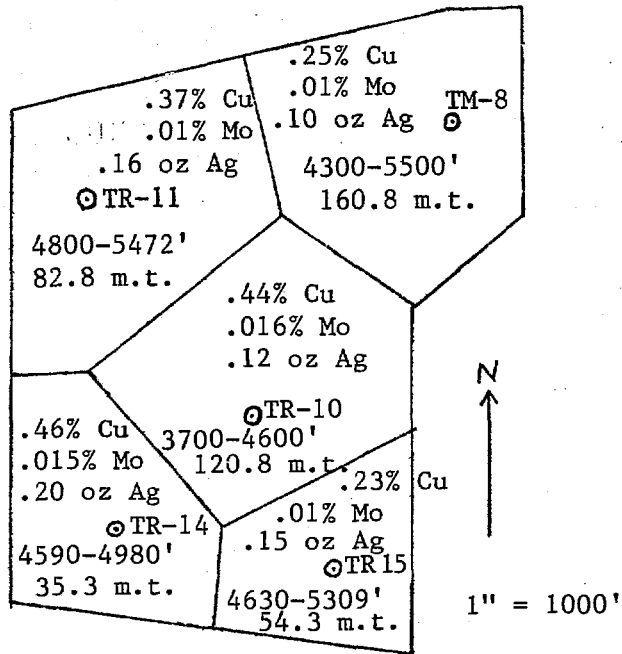
Attachment

cc: WLKurtz  
FTGraybeal (any comments or better numbers?)  
3-R & TM Files

Sunnyside Porphyry Deposit

Cu-Mo-Ag Resource Polygons

12.5 ft<sup>3</sup>/ton



Depths indicated from  
individual drill holes

June 8, 1982  
F. R. Koutz

August 5, 1983

To: J. R. Stringham

From: J. D. Sell

3-R

It is said that work must be performed on the 3-R ground before we can charge them as part of the \$100,000 increments. How far are we into this zone?

However, we do allocate the assessment drill costs. Did we charge the assessment costs against the \$100,000 last year? Or previous years?

If so, it is probably invalid.



James D. Sell

JDS/cg

Aug 5, 1983

3R

FROM: W. L. KURTZ

TO: FT Graybeal

For the assessment year Sept 1, 1981 - Sept 1, 1982  
assessment work on 3R was by drilling on the adjoining  
TM ground. The best I can tell from the acct  
sheets we did not charge the 3R project for  
this drilling (it is all ~~on~~ TM expenses). I think  
we should do the same this year — not  
charge the 3R project for any work done off  
the 3R ground (but of course use the work for  
the "benefit of" for assessment work purposes)

cc. JDS  
JRS

# ASARCO

JDS Copy

Exploration Department  
Southwestern United States Division

James D. Sell  
Manager

September 28, 1983

Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Company  
555 Seventeenth Street  
Denver, CO 80217

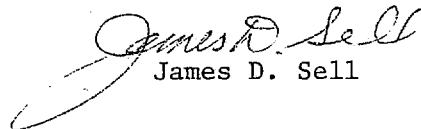
3rd Quarter Report  
July - September 1983  
Three R Joint Venture  
Santa Cruz County, AZ

Dear John:

During this quarter no charges were made on the Joint Venture as the assessment work was conducted off the claim group on contiguous claims and done for the benefit of all claims.

This work has been filed and a copy has been sent to D. L. Janowski, Property Manager.

Sincerely,

  
James D. Sell

JDS:cg

cc: WLKurtz  
JRStringham  
JRKing - Anaconda



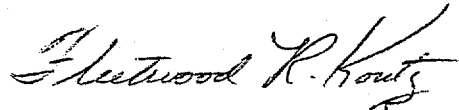
December 27, 1983

File Memorandum

4th Quarter Activity Report  
October-December 1983  
Three-R Joint Venture  
Santa Cruz County, AZ

During the quarter there was no significant activity or expenditures on the Joint Venture. The status of the property was however reviewed as part of a general talk on the Patagonia Mountains at the Exploration meeting in Denver on December 7.

No significant activity is planned for the first quarter of 1984 beyond routine checks of the ground, especially around the Flux Mine, for intrusions.

  
Fleetwood R. Koutz  
Geologist

FRK/cg

cc: JDSell  
JRStringham

# ASARCO

Exploration Department  
Southwestern United States Division

January 3, 1984

Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventeenth St.  
Denver, Colorado 80217

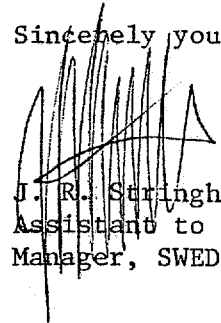
4th Quarter Report  
October-December 1983  
Three R Joint Venture  
Santa Cruz County, AZ.

Dear Mr. Wilson:

In accordance with the provisions of the Anaconda-ASARCO Agreement of June 22, 1972, attached is a copy of the 4th Quarter Activity Report on this joint venture.

A copy of the report is being sent to D. L. Janowski, Manager of Property and Lease Administration.

Sincerely yours,



J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
att.

cc: D. L. Janowski, Manager, Property and Lease Administration  
Anaconda Minerals Company

J. D. Sell  
F. R. Koutz

February 2, 1984

To: JDS/WLK/JRS

From: F. R. Koutz

Pierce Option  
Three-R Project  
Santa Cruz County, AZ

Jim Quinlan of Kerr-McGee called yesterday to tell me that he had been sent a package of 21 or 23 patented and 11 unpatented claims (essentially our Pierce Option) by a Tucson real estate broker: Tyler Goodman Enterprises, Inc. on N. Stone. Quinlan did not know we and Anaconda had dropped the ground. Quinlan said the price was about \$100,000 but Kerr-McGee was not interested in any case. There was no geological data with the letter--just a legal description of the ground which is being promoted for real estate rather than minerals ( $\$100,000/20 \times 23 = \$217/\text{acre!}$ ).

Quinlan said they are continuing work at Pioche and Hanover Mountain, Nevada and now have 4 Au-Ag exploration types in their new Reno office.



F. R. Koutz

FRK/cg

# ASARCO

Exploration Department  
Southwestern United States Division

February 10, 1984

Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Minerals Company  
555 Seventeenth St.  
Denver, CO 80202

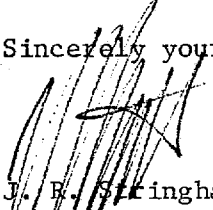
Three R Joint Venture  
Santa Cruz County, AZ

Dear Mr. Wilson:

We would like to expend the assessment monies for this venture on adjacent ground. No charges will be made against the Three R Joint Venture. We believe this will be beneficial to both Anaconda and Asarco.

If you have any reservations or questions about this, please don't hesitate to call me.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek

cc: Mickey L. Love, Supervisor, Property Admin.  
Anaconda Minerals Company

J. D. Sell

# ASARCO

Southwestern Exploration Division

February 13, 1984

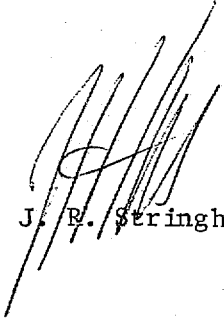
TO: R. L. Brown  
FROM: J. R. Stringham

Amendments to Agreements  
3-R Project  
Thunder Mountain Project

We are returning, herewith, the amendments on the 3-R and Thunder Mountain Projects which you signed and which John Lacy approved as to form. It has come to our attention that both of these amendments need to be attested to by either the Corporate Secretary or Assistant Secretary. Enclosed is a copy of a page from the "Landman's Legal Handbook" on the execution of instruments by a corporation.

After having them attested to, please return both copies of the amendments as soon as possible so that we may forward them to Anaconda and Kerr-McGee for their execution.

JRS:mek  
encs.



J. R. Stringham

cc: J. D. Sell

admitted. If there is a will which has been admitted to probate, then a review of the Digest of State Laws (Part 7, III, A, Subsection 1) will be helpful.

If the landman finds that the deceased left no will then a review of the Digest of State Laws (Part 7, III, A, Subsection 2) will be helpful.

- b. *Minors and Incompetents*—If the landman in any way knows or suspects that the prospective signatory to an instrument may be a minor or incompetent, he will need to make discreet inquiry as to who is legally authorized to act in that person's behalf. A review of the Digest of State Laws (Part 7, III, B) will be helpful in knowing if the party is legally authorized to act or if and how such a person may be named, and how that party may proceed to carry out his duties.
- c. *Trustees*—The trustee is, of course, named in the trust agreement, and the terms of the trust agreement also set forth the limits of his authority. A perusal of Part 7 will be helpful to the landman in understanding how trusts are regarded and treated under the laws of the state in which the subject lands are located.

#### 10. *Corporation*

A corporation, being purely a creature of statute, can act only through its officers and these officers have only such authority as is conferred upon them by articles of incorporation (the "Charter"), the corporate by-laws or resolution of the board of directors.

In practice, an instrument of a corporation is usually signed by the president, vice-president, or other officer authorized to act, and attested by the secretary or an assistant secretary and the corporate seal is affixed. The landman should satisfy himself that the signer has written authority to execute the instrument, and, if the signer is an attorney-in-fact, to proceed according to the rules governing signatures by attorneys-in-fact set forth in the next paragraph.

#### 11. *Agents and Attorneys-in-Fact*

An attorney-in-fact is one who is authorized to act for another commonly known as the principal, who is the actual owner of the property. The instrument creating this power is known as a power of attorney, and such instrument must be acknowledged and recorded. Normally, such power of attorney will not be deemed to be revoked until an instrument revoking such power is also properly acknowledged and recorded. When dealing with an attorney in fact, the instrument conferring the power of attorney should be submitted to legal counsel for advice as to whether or not the attorney in fact is authorized to execute the particular instrument at hand.

#### 12. *Religious, Cooperatives, Lodges and Miscellaneous Educational and Non-Profit Associations*

Such associations may normally encumber or convey real estate held by them in such a way and through their officers or may be authorized by their by-laws and resolutions. In obtaining instruments from such entities, legal advice should be obtained due to the technical difficulties usually encountered in such cases.

#### 13. *Partnerships*

While all of the ten states have enacted the Uniform Partnership Act (see Appendix F) which provides that where title to the property is in the partnership name, any partner, if acting within the scope of his authority, may convey title to such property by conveyance made in the partnership name, it is advisable to have all partners execute any instrument. The authority granted, as well as other provisions in the partnership agreement, may be so vague as to raise a question as to who may execute a given instrument.

#### 14. *Proprietorship*

An individual may adopt a name in which he acquires property, and transact business related to the property under the adopted name. In such a case, the individual has the sole authority to execute in behalf of such an

# ASARCO

JDS

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

March 14, 1984

Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Company  
555 Seventeenth Street  
Denver, CO 80217

1st Quarter Report  
January-March 1984  
Three-R Joint Venture  
Santa Cruz County, AZ

Dear John:

This is to confirm that Joy Drilling Company has been contracted to expend the necessary monies for the claims to cover the assessment year ending August 31, 1984.

As previously advised by J. R. Stringham, the monies will be spent on adjacent ground for the benefit of the entire group.

It is expected that the drilling will commence early in the second quarter.

Sincerely,

  
James D. Sell

JDS/cg

cc: JRStringham  
MLLove, Supervisor, Property Admin. (Anaconda)

# ASARCO

Southwestern Exploration Division

March 28, 1984


TO: R. L. Brown  
FROM: J. R. Stringham

Second Amendment to Agreement  
Between Anaconda & Asarco  
3-R Project

Attached are two revised copies of the Second Amendment to Agreement between Anaconda and Asarco. Anaconda requested changes in the Amendment. I've attached a copy of M.F. Brotzman's letter and amendment with changes made by their Legal Department.

Please sign both copies of the Amendment, have them attested to, and the Corporate Seal affixed; then return them to me for forwarding to Anaconda for execution. I will send you a fully executed copy upon receipt from Anaconda.

JRS:mek  
atts.



J. R. Stringham

cc: J. D. Sell



ANACONDA Minerals Company  
555 Seventeenth Street  
P.O. Box 5300  
Denver, Colorado 80217  
Telephone 303 293 4000



Domestic Land Acquisitions

March 22, 1984

J. R. Stringham  
ASARCO  
P. O. Box 5747  
Tucson, AZ 85703

Dear Mr. Stringham,

I am returning a copy of the Second Amendment to Agreement with requested changes from our Legal Department. When returning the document for our execution would you please include a copy of the First Amendment. Thank you for your attention to this matter.

Yours truly,

M. F. Brotzman  
District Landman

MFB:fr

ASARCO Incorporated

MAR 28 1984

SW Exploration

**"APPROVAL COPY"**

SECOND AMENDMENT TO AGREEMENT DATED JUNE 22, 1972  
BETWEEN ANACONDA MINERALS COMPANY AND  
AMERICAN SMELTING AND REFINING COMPANY (ASARCO)

*Atlantic Richfield Company, a Pennsylvania corporation (successor by merger to  
The Anaconda Company), acting through its division,*

WHEREAS ~~Anaconda Minerals Company, formerly The Anaconda Company,~~  
herein referred to as "Anaconda," and ASARCO Incorporated, formerly American  
Smelting and Refining Company, herein referred to as "Asarco" did on  
June 22, 1972 enter into an Agreement in regard to certain patented and  
unpatented mining claims located in Harshaw Mining District, Santa Cruz  
County, Arizona, more particularly described in Exhibit A to said  
Agreement; and

WHEREAS Asarco has located a certain mining claim in the vicinity  
of the claims described in Exhibit A to said Agreement, and Anaconda and  
Asarco mutually agree that said mining claim, more particularly described  
in Exhibit I attached to this Amendment, shall be made a part of said  
lands as if said mining claim had been described originally in Exhibit A  
to the Agreement, dated June 22, 1972.

NOW, THEREFORE, Anaconda and Asarco do hereby agree that the mining  
claim described in Exhibit I is hereby added to Exhibit A of the Agreement,  
dated June 22, 1972.

IN WITNESS WHEREOF, the parties hereto have duly executed this  
Second Amendment to Agreement effective as of the \_\_\_\_\_ day of  
\_\_\_\_\_, 1984.

SEALED

LAWS TYPES

ESTIMATED  
MFB  
3-16-84

LEGAL

ATTEST:

*[Handwritten signature]*  
\_\_\_\_\_

ATLANTIC RICHFIELD  
ANACONDA-MINERALS COMPANY

By \_\_\_\_\_  
Title: \_\_\_\_\_

ASARCO Incorporated

By *R. L. Brown*  
\_\_\_\_\_ Approved as to

SECOND AMENDMENT TO AGREEMENT DATED JUNE 22, 1972  
BETWEEN ANACONDA MINERALS COMPANY AND  
AMERICAN SMELTING AND REFINING COMPANY (ASARCO)

WHEREAS Atlantic Richfield Company, a Pennsylvania Corporation (successor by merger to The Anaconda Company), acting through its division, Anaconda Minerals Company, herein referred to as "Anaconda," and ASARCO INCORPORATED, formerly American Smelting and Refining Company, herein referred to as "Asarco," did on June 22, 1972 enter into an Agreement in regard to certain patented and unpatented mining claims located in Harshaw Mining District, Santa Cruz County, Arizona, more particularly described in Exhibit A to said Agreement; and

WHEREAS Asarco has located a certain mining claim in the vicinity of the claims described in Exhibit A to said Agreement, and Anaconda and Asarco mutually agree that said mining claim, more particularly described in Exhibit I attached to this Amendment, shall be made a part of said lands as if said mining claim had been described originally in Exhibit A to the Agreement, dated June 22, 1972.

NOW, THEREFORE, Anaconda and Asarco do hereby agree that the mining claim described in Exhibit I is hereby added to Exhibit A of the Agreement, dated June 22, 1972.

IN WITNESS WHEREOF, the parties hereto have duly executed this Second Amendment to Agreement effective as of the \_\_\_\_\_ day of \_\_\_\_\_, 1984.

ATLANTIC RICHFIELD COMPANY

By: \_\_\_\_\_

Title: \_\_\_\_\_

ATTEST:

ASARCO Incorporated

By: \_\_\_\_\_

Title: \_\_\_\_\_

EXHIBIT I

TO

SECOND AMENDMENT TO AGREEMENT

Between Anaconda and Asarco

Dated \_\_\_\_\_

<u>Claim Name</u>	<u>Santa Cruz County, AZ Recording Data</u>		<u>BLM Serial No.</u>
	<u>Docket</u>	<u>Page</u>	<u>A MC</u>
Boot 107	344	319-320	194596

# ASARCO

Exploration Department  
Southwestern United States Division

April 16, 1984

Mr. M. F. Brotzman  
District Landsman  
Anaconda Minerals Company  
P.O. Box 5300  
Denver, Colorado 80217


Second Amendment to Agreement  
Between Anaconda and Asarco  
3-R Project

Dear Mr. Brotzman:

Enclosed are two copies of the Second Amendment to our Agreement dated June 22, 1972. Please have both copies signed by Atlantic Richfield Company and return one copy to me.

Also enclosed is a copy of the First Amendment as requested in your letter of March 22, 1984.

Very truly yours,



J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
encs.

cc: R. L. Brown  
J. D. Sell (w/encs.)

SECOND AMENDMENT TO AGREEMENT DATED JUNE 22, 1972  
BETWEEN ANACONDA MINERALS COMPANY AND  
AMERICAN SMELTING AND REFINING COMPANY (ASARCO)

WHEREAS Atlantic Richfield Company, a Pennsylvania Corporation (successor by merger to The Anaconda Company), acting through its division, Anaconda Minerals Company, herein referred to as "Anaconda," and ASARCO INCORPORATED, formerly American Smelting and Refining Company, herein referred to as "Asarco," did on June 22, 1972 enter into an Agreement in regard to certain patented and unpatented mining claims located in Harshaw Mining District, Santa Cruz County, Arizona, more particularly described in Exhibit A to said Agreement; and

WHEREAS Asarco has located a certain mining claim in the vicinity of the claims described in Exhibit A to said Agreement, and Anaconda and Asarco mutually agree that said mining claim, more particularly described in Exhibit I attached to this Amendment, shall be made a part of said lands as if said mining claim had been described originally in Exhibit A to the Agreement, dated June 22, 1972.

NOW, THEREFORE, Anaconda and Asarco do hereby agree that the mining claim described in Exhibit I is hereby added to Exhibit A of the Agreement, dated June 22, 1972.

IN WITNESS WHEREOF, the parties hereto have duly executed this Second Amendment to Agreement effective as of the \_\_\_\_\_ day of \_\_\_\_\_, 1984.

ATLANTIC RICHFIELD COMPANY

By: \_\_\_\_\_

Title: \_\_\_\_\_

ASARCO Incorporated

By: R. L. Brown

Title: Vice President

ATTEST:

  
\_\_\_\_\_  
Assistant Secretary

EXHIBIT I

TO

SECOND AMENDMENT TO AGREEMENT

Between Anaconda and Asarco

Dated \_\_\_\_\_

<u>Claim Name</u>	<u>Santa Cruz County, AZ</u>		<u>BLM</u>
	<u>Recording Data</u>		<u>Serial No.</u>
	<u>Docket</u>	<u>Page</u>	<u>A MC</u>
Boot 107	344	319-320	194596

RECEIVED

JAN 22 1976

EXPLORATION DEPARTMENT

JAN 21 1976

W. L. K.

AIR MAIL

January 20, 1976

The Anaconda Company  
P.O. Box 27007  
Tucson, Arizona 85726

Attention Mr. G. A. Barber, Vice President

Re: 3-R Agreement  
Santa Cruz County, Arizona

Gentlemen:

We hereby accept your offer of January 3 to amend Paragraph e of Article 2 to read: "At the end of the fourth year of the option period, Asarco's aggregate expenditures will total not less than \$325,000.00." As consideration for this amendment, Asarco agrees that not less than \$325,000.00 will be expended by the end of the fourth year of the option.

We also agree with you that the language of Paragraph f of Article 2 shall remain as it is.

This exchange of letters shall constitute the Amendment.

Sincerely,  
Original Signed By  
I. C. Osborne

T. C. Osborne  
Director of Exploration



# ANACONDA

January 8, 1976

RECEIVED

JAN. 9 1976

S. W. U. S. EXPL. DIV.

W. L. A.

JAN 9 1976

Mr. W. L. Kurtz  
Manager of Exploration -  
Southwest Region  
Exploration Department  
American Smelting and Refining Co.  
P.O. Box 5747  
Tucson, Arizona 85703

2/6/76 NVC

F. T. S.

Re: 3-R Agreement  
Santa Cruz County, Arizona

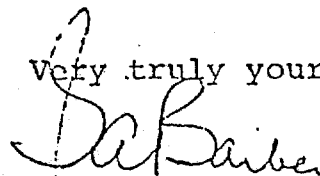
Dear Mr. Kurtz:

We have considered the request made in your letter of December 8, 1975, for modification of Paragraph e of Article 2 of the Anaconda-Asarco agreement regarding the 3-R mine area, Santa Cruz County, Arizona.

It has been decided that Anaconda is agreeable to modifying the forementioned paragraph to read, "At the end of the fourth year of the option period, Asarco's aggregate expenditures will total not less than \$325,000." In making this modification, we understand there will be no change in Paragraph f of Article 2 which reads, "At the end of the option period, Asarco's aggregate expenditures will total \$640,000, at least 80% of which shall have been expended in connection with the property."

Anaconda is making this concession without penalty to Asarco, as we appreciate current economic restrictions and recognize the creditable exploration program which Asarco has performed on the property to date. However, we would appreciate a more strict adherence to Article 10 of the agreement, "... Until the Manager determines that a commercial ore body exists in the prospecting area and proceeds to equip the prospecting area for operation, it shall prepare proposed schedules of exploration work and budgets therefore for such reasonable periods as may be agreed upon by the parties and shall consult with the other party thereon, but the Manager shall be the party to determine such work and budget." We feel that a quarterly meeting of Anaconda-Asarco geologists to discuss the exploration program on the 3-R property would be beneficial to both parties and adhere to the intent of Article 10 of the agreement.

Very truly yours,



G. A. BARBER  
Vice President  
Geology and Technology

GAB/djs

cc: A. J. McDonell  
C. J. Hansen  
R. C. Baker  
M. F. Thompson  
D. A. Heatwole

will be expended for exploration drilling on the Property;

b. Second six (6) months of Option Period - an additional \$25,000 for a drilling program in the Prospecting Area;

c. At the end of the second year of Option Period Asarco's aggregate expenditures will total not less than \$95,000;

d. At the end of the third year of the Option Period Asarco's aggregate expenditures will total not less than \$200,000;

e. At the end of the fourth year of the Option Period Asarco's aggregate expenditures will total not less than \$400,000;

f. At the end of the Option Period Asarco's aggregate expenditures will total \$640,000, at least eighty percent (80%) of which shall have been expended in connection with the Property.

The expenditures heretofore made by Asarco pursuant to the above-described Letter Agreement shall be deemed to have been made hereunder.

### ARTICLE 3 - Acquisition of Interests.

At such time as Asarco has expended \$640,000 pursuant to Article 2 hereof, Asarco shall thereby have

# ASARCO

JDS

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

April 18, 1984

Mr. Gil Russell  
Bassett-Hayden-Ray  
Continental Plaza  
6179 E. Broadway  
Tucson, AZ 85711

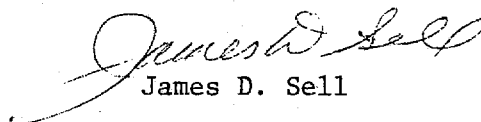
3R Ground  
Patagonia District  
Santa Cruz County, AZ

Dear Mr. Russell:

Your note on the new selling price for the Santa Cruz County mining claims has been received.

As of this time we are not interested in the block of ground. Thank you for bringing it to our attention.

Sincerely,

  
James D. Sell

JDS/cg

cc: JRStringham

# ASARCO

Exploration Department  
Southwestern United States Division

May 10, 1984

Mr. H. E. Kelshaw  
ASARCO Incorporated  
New York Office

Second Amendment to Agreement  
Between Anaconda & Asarco  
3-R Project

Dear Mr. Kelshaw:

Attached is a copy of the fully executed Second Amendment to the Agreement between Anaconda and Asarco dated June 22, 1972. The original signed copy has been forwarded to Mr. R. L. Brown.

Sincerely yours,



J. R. Stringham

JRS:mek  
Att.

cc: R. L. Brown  
J. D. Sell

# ASARCO

Southwestern Exploration Division


May 10, 1984

TO: R. L. Brown  
New York Office

FROM: J. R. Stringham

Second Amendment to Agreement  
Between Anaconda & Asarco  
3-R Project

Attached is a fully executed copy of the Second Amendment to Agreement between Anaconda and Asarco dated June 22, 1972, for your records. A copy of this document will be sent to Mr. H. E. Kelshaw for his records.



J. R. Stringham

JRS:mek  
att.

cc: H. E. Kelshaw  
J. D. Sell

SECOND AMENDMENT TO AGREEMENT DATED JUNE 22, 1972  
BETWEEN ANACONDA MINERALS COMPANY AND  
AMERICAN SMELTING AND REFINING COMPANY (ASARCO)

WHEREAS Atlantic Richfield Company, a Pennsylvania Corporation (successor by merger to The Anaconda Company), acting through its division, Anaconda Minerals Company, herein referred to as "Anaconda," and ASARCO INCORPORATED, formerly American Smelting and Refining Company, herein referred to as "Asarco," did on June 22, 1972 enter into an Agreement in regard to certain patented and unpatented mining claims located in Harshaw Mining District, Santa Cruz County, Arizona, more particularly described in Exhibit A to said Agreement; and

WHEREAS Asarco has located a certain mining claim in the vicinity of the claims described in Exhibit A to said Agreement, and Anaconda and Asarco mutually agree that said mining claim, more particularly described in Exhibit I attached to this Amendment, shall be made a part of said lands as if said mining claim had been described originally in Exhibit A to the Agreement, dated June 22, 1972.

NOW, THEREFORE, Anaconda and Asarco do hereby agree that the mining claim described in Exhibit I is hereby added to Exhibit A of the Agreement, dated June 22, 1972.

IN WITNESS WHEREOF, the parties hereto have duly executed this Second Amendment to Agreement effective as of the 4<sup>th</sup> day of

May, 1984.

ATLANTIC RICHFIELD COMPANY

By: John C. Wilson  
Title: Attorney-in-fact

ASARCO Incorporated

ATTEST:

[Signature]  
Assistant Secretary

By: R. L. Brown  
Title: Vice President

EXHIBIT I

TO

SECOND AMENDMENT TO AGREEMENT

Between Anaconda and Asarco

Dated May 11<sup>th</sup> 1984

<u>Claim Name</u>	Santa Cruz County, AZ		BLM
	<u>Recording Data</u>		<u>Serial No.</u>
	<u>Docket</u>	<u>Page</u>	<u>A MC</u>
Boot 107	344	319-320	194596

# ASARCO

Exploration Department  
Southwestern United States Division

July 5, 1984

Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventeenth St.  
Denver, Colorado 80202

2nd Quarter Report  
April-June 1984  
Three-R Joint Venture  
Santa Cruz County, AZ

Dear Mr. Wilson:

In accordance with the provisions of the Anaconda-ASARCO Agreement of June 22, 1972, attached is a copy of the 2nd Quarter Activity Report on this joint venture.

Sincerely yours,

J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: M. L. Love, Supervisor, Property Admin.  
Anaconda Minerals Company

J. D. Sell



July 3, 1984

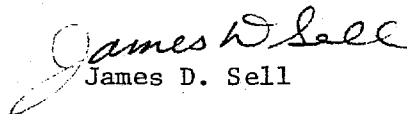
FILE MEMORANDUM

2nd Quarter Report  
Anaconda Minerals Company  
April-June 1984  
Three-R Joint Venture  
Santa Cruz County, AZ

In compliance with the agreement between the Anaconda Minerals Company and ASARCO Incorporated, I submit this quarterly report on the activities of the Three-R Joint Venture.

During the quarter, Joy Manufacturing Company core drilled in a hole adjacent to the Three-R claim block and completed the assessment work benefit of the total claim block.

JDS:mek

  
James D. Sell

cc: J. R. Stringham  
J. Wilson/M. L. Love, Anaconda

# ASARCO

Exploration Department  
Southwestern United States Division

July 17, 1984

Anaconda Minerals Co.  
Attn: Mickey L. Love  
Supervisor, Property Administration  
Mineral Lands Department  
555 Seventeenth St.  
Denver, Colorado 80202

3-R

Boot - Flux Group  
Palmetto and Harshaw  
Mining Districts  
Santa Cruz County, AZ

Gentlemen:

Enclosed for your records is a photocopy of the 1984 Affidavit of Labor for the Boot-Flux Group of claims which has been recorded in Santa Cruz County and acknowledged as received by the Bureau of Land Management, Arizona State Office, Phoenix, Arizona.

Very truly yours,

*J. R. Stringham/mek*

J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
enc.

cc: J. D. Sell

# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

July 12, 1984

Mr. Dean Bibles  
State Director  
Bureau of Land Management  
U.S. Department of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

Mining Claim Annual Recordation  
Boot & Flux Group (97)  
Santa Cruz County, AZ  
A MC Serial Numbers:  
51976 thru 52071  
194596

---

Dear Sir:

In accordance with the Federal Land Policy and Management Act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claim serial numbers, as recorded in the Santa Cruz County Recorder's office in Book 379, Pages 85 and 86, for the assessment year ending September 1, 1984.

Please return acknowledgement receipt in the enclosed envelope.

Very truly yours,

J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
encs.

cc: H. E. Kelshaw (w/encs.)  
A. J. Robles (w/encs.)  
J. D. Sell (w/encs.)

Anaconda Minerals Company  
Attention: Mickey L. Love  
Supervisor Property Admin.



TO AFFIDAVIT OF PERFORMANCE  
OF LABOR FOR YEAR  
ENDING SEPTEMBER 1, 1984

The following contiguous group of unpatented mining claims are situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona. The Location Notices of which are of record in the office of the Santa Cruz Recorder, and are as follows:

<u>Name of Claim</u>	<u>Book</u>	<u>Page</u>	<u>BLM Serial Number</u>
Boot No. 1 thru No. 15	41	105 thru 119	A MC 51976 thru 51990
Boot No. 16	41	140	" 51991
Boot No. 17 thru No. 36	41	120 thru 139	" 51992 thru 52011
Boot No. 37 thru No. 39	41	157 thru 159	" 52012 thru 52014
Boot 52 thru 61	58	421 thru 430	" 52015 thru 52024
Boot 70 thru 77	57	316 thru 323	" 52025 thru 52032
Boot 78	57	324	
Boot 78 Amended	58	431	" 52033
Boot 79	57	325	" 52034
Boot 80	57	326	
Boot 80 Amended	58	432	" 52035
Boot 81 thru 88	57	327 thru 334	" 52036 thru 52043
Boot 90 thru 95	81	349 thru 354	" 52044 thru 52049
Boot 97 thru 106	81	355 thru 364	" 52050 thru 52059
Boot 107	344	319 thru 320	" 194596
Flux Mine	EE	582	
Flux No. 1 (Flux Mine)	3	312/313	" 52060
Flux No. 2	1	258/260	
Flux No. 2 Amended	3	314/315	" 52061
Flux No. 3	2	14/15	
Flux No. 3 Amended	3	315/317	" 52062
Flux No. 4	3	318/319	" 52063
Flux No. 5 (Mexicano)	2	15	
Flux No. 5 Amended	3	319/321	" 52064
Flux No. 11	16	284/285	
Flux No. 11 Amended	16	314	" 52065
Flux No. 15	16	285/286	" 52066
Flux No. 16	16	280/281	" 52067
Flux No. 18	16	282/283	" 52068
Flux No. 23	26	330	" 52069
Flux No. 25	26	375	" 52070
Rockney	24	100	" 52071

All of said claims are located in Sections 25, 26, 35, and 36, Township 22 South, Range 15 East; Section 1, Township 23 South, Range 15 East; Section 6, Township 23 South, Range 16 East; Sections 30 and 31, Township 22 South, Range 16 East; G&SRB&M.

FEE NO. 12710

STATE OF ARIZONA, County of Santa Cruz — SS.

I hereby certify that the within instrument was filed and recorded at the request of A. S. R. Co. Inc.

on JUL 2 '84 - 10 00 AM

Docket No. 379 Page 85-86

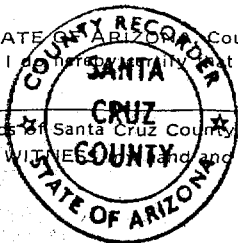
Records of Santa Cruz County, Arizona.

WITNESSES my hand and official seal the day and year first above written.

MARY LOU G. SAINZ, COUNTY RECORDER

BY

Barbara V. Soto



3-R  
'84

AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )

J. R. Stringham, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age, and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are set forth as follows on Exhibit A.

That all of said mining claims are owned by ASARCO Incorporated and Anaconda Minerals Company, the mailing address for which is P.O. Box 5747, Tucson, Arizona 85703; that between September 1, 1983 and May 31, 1984, in excess of \$10,000 worth of work and improvements were done and performed for the benefit of each of the described claims. Work and improvements consisted of drilling with diamond drill rig by Joy Manufacturing Co., 707 Boyd Blvd., La Porte, Indiana 46350.

Said labor was performed and improvements made at the expense of ASARCO Incorporated for the benefit of each and all of said mining claims (97) comprising said contiguous groups as part of the general plan of exploration, improvements and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the described unpatented lode mining claims for the assessment year ending at 12:00 o'clock Meridian, September 1, 1984.

ASARCO Incorporated

By [Signature]  
Agent

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )

The foregoing instrument was acknowledged before me this 27th day of June, 1984, by J. R. Stringham.

My Commission Expires:  
My Commission Expires March 4, 1985

[Signature]  
Notary Public

EXHIBIT A  
 TO AFFIDAVIT OF PERFORMANCE  
 OF LABOR FOR YEAR  
 ENDING SEPTEMBER 1, 1984

The following contiguous group of unpatented mining claims are situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona. The Location Notices of which are of record in the office of the Santa Cruz Recorder, and are as follows:

<u>Name of Claim</u>	<u>Book</u>	<u>Page</u>	<u>BLM Serial Number</u>
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Boot No. 16	41	140	" 51991
Boot No. 17 thru No. 36	41	120 thru 139	" 51992 thru 52011
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Boot 78	57	324	
Boot 78 Amended	58	431	" 52033
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Boot 90 thru 95	81	349 thru 354	" 52044 thru 52049
Boot 97 thru 106	81	355 thru 364	" 52050 thru 52059
Boot 107	344	319 thru 320	" 194596
Flux Mine	EE	582	
Flux No. 1 (Flux Mine)	3	312/313	" 52060
Flux No. 2	1	258/260	
Flux No. 2 Amended	3	314/315	" 52061
Flux No. 3	2	14/15	
Flux No. 3 Amended	3	315/317	" 52062
Flux No. 4	3	318/319	" 52063
Flux No. 5 (Mexicano)	2	15	
Flux No. 5 Amended	3	319/321	" 52064
Flux No. 11	16	284/285	
Flux No. 11 Amended	16	314	" 52065
Flux No. 15	16	285/286	" 52066
Flux No. 16	16	280/281	" 52067
Flux No. 18	16	282/283	" 52068
Flux No. 23	26	330	" 52069
Flux No. 25	26	375	" 52070
Rockney	24	100	" 52071

All of said claims are located in Sections 25, 26, 35, and 36, Township 22 South, Range 15 East; Section 1, Township 23 South, Range 15 East; Section 6, Township 23 South, Range 16 East; Sections 30 and 31, Township 22 South, Range 16 East; G&SRB&M.

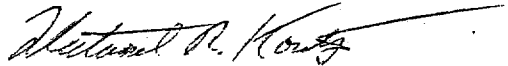
October 1, 1984

FILE MEMORANDUM

Third Quarter Activity Report  
July - September 1984  
Three-R Joint Venture  
Santa Cruz County, AZ

During the quarter there were no significant activities or expenditures on the Joint Venture. 1983-1984 Assessment on the 96 claims was covered by expenditures on adjacent ground.

No significant activity is planned for the Fourth Quarter, 1984, beyond routine checks of the ground, especially around the Flux Mine, for intrusions.

  
Fleetwood R. Koutz  
Geologist

FRK:mek

cc: ~~J. D. Sell~~  
J. R. Stringham



# ASARCO

Exploration Department  
Southwestern United States Division

October 2, 1984

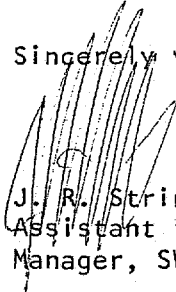
Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventeenth St.  
Denver, Colorado 80202

3rd Quarter Report  
July - September 1984  
Three-R Joint Venture  
Santa Cruz County, AZ

Dear Mr. Wilson:

In accordance with the provision of the Anaconda-ASARCO Agreement of June 22, 1972, attached is a copy of the 3rd Quarter Activity Report on this joint venture.

Sincerely yours,



J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: M.L. Love, Supervisor, Property Admin.  
Anaconda Minerals Company

J.D. Sell


October 1, 1984

FILE MEMORANDUM

Third Quarter Activity Report  
July - September 1984  
Three-R Joint Venture  
Santa Cruz County, AZ

During the quarter there were no significant activities or expenditures on the Joint Venture. 1983-1984 Assessment on the 96 claims was covered by expenditures on adjacent ground.

No significant activity is planned for the Fourth Quarter, 1984, beyond routine checks of the ground, especially around the Flux Mine, for intrusions.

  
Fleetwood R. Koutz  
Geologist

FRK:mek

cc: J. D. Sell  
J. R. Stringham

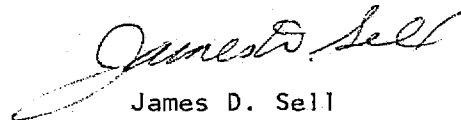
December 19, 1984

FILE MEMORANDUM

4th Quarter Report  
Three-R Joint Venture  
October-December 1984  
Santa Cruz County, AZ

In compliance with the agreement between the Anaconda Company and ASARCO Incorporated, I submit this quarterly report.

No activity occurred on the property during the quarter. The affidavit of labor has been filed to hold the claims through the 1984-85 year.

  
James D. Sell

JDS:mek

cc: J. R. Stringham  
J. Wilson - AMC

# ASARCO

Exploration Department  
Southwestern United States Division

January 9, 1985

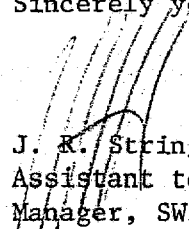
Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventeenth St.  
Denver, Colorado 80202

4th Quarter Report  
October - December 1984  
Three-R Joint Venture  
Santa Cruz County, AZ

Dear Mr. Wilson:

In accordance with the provisions of the Anaconda-ASARCO Agreement of June 22, 1972, attached is a copy of the 4th Quarter Activity Report on this joint venture.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: M.L. Love, Supervisor, Property Adm.  
Anaconda Minerals Company  
J.D. Sell

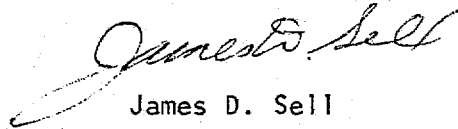
December 19, 1984

FILE MEMORANDUM

4th Quarter Report  
Three-R Joint Venture  
October-December 1984  
Santa Cruz County, AZ

In compliance with the agreement between the Anaconda Company and ASARCO Incorporated, I submit this quarterly report.

No activity occurred on the property during the quarter. The affidavit of labor has been filed to hold the claims through the 1984-85 year.

  
James D. Sell

JDS:mek

cc: J. R. Stringham  
J. Wilson - AMC

# ASARCO

Southwestern Exploration Division

February 7, 1985

TO: J. D. Sell

FROM: F. R. Koutz

Claim Salvage  
Patagonia Mountains Projects  
Santa Cruz Co., AZ

You have asked that I list the unpatented claims that should be saved from a general liquidation of our (+ JV) claim blocks in the Patagonia Mountains. I will not include any claims in the Hardshell Group as that property is now apparently the responsibility of the Mining Dept. Assessment work for some of the other Patagonia claims could be piggy-backed on Hardshell as was done, vice versa, in 1980-81 since all claims are contiguous.

The two main blocks of claims that should be preserved are the Humboldt-Mendoza Group (TCH-2 limestone replacement discovery) and surrounding 4 or 5 tiers of Thunder Mountain ("President" Group, Jesse and Orb) and east tiers of the 3-R Boot Group and those Ventura claims (W- series) over the breccia outcrop and downward projection (DDH V37-V38) to the west.

The Thunder Mountain Group of claims of the TM-Asarco Joint Venture in headwaters of Upper Alum Gulch including the Kerr-McGee DDH TM-1 - 7 area past the Thunder Mine and south, have no immediate mineral potential and could be dropped. I would hope that enough of the 3-R Boot Group could be preserved to protect the Sunnyside porphyry copper "discovery" (TR-10, 11, 14, 15) and keep up contiguity with the Flux Group which has potential for limestone replacement at depth beneath the volcanics. Those 3-R (Boot) claims north of the Ventura Group and Pierce option and southwest of Flux could probably be dropped.

In addition those Kerr-McGee Red Mountain claims northeast of the January-Norton-Trench group undoubtedly have limestone at 3000-4000 feet depth (maybe shallower if the January-Norton Shear zone has reverse movement and brings the Paleozoic up to the north) and might be considered for trades with Kerr-McGee. These Red Mountain claims and those in and north of Harshaw have Hardshell millsite potential also.

Please consult map mm 2617 dam June 73 (+ revisions) - Plate 12 1"=1000' "Claim map of the 3-R & Thunder Mtn Area" FTG-1973 Sunnyside report and Noranda Ventura claim map (5-1975) 1" = 400' No. 0820-B. The Argentor Claim Boundary Agreement (Asarco vs. World's Fair Syndicate) should also be consulted. The following claims cover or have a good chance of covering the Paleozoic and the Sunnyside Stock at depth.

SAVE:

Humboldt - Mendosa Group (7 claims): Good Luck, Good Luck 2, Humboldt, South Humboldt, Monica, Indian Chief, Silver Leaf.

President (8 claims): Abraham Lincoln, Bryan, Calvin Coolidge, Copper Dyke, Roosevelt, Wellington, Warren Harding, Lafayette.

Orb (10): Orb 1-10.

Jesse (24): Jesse 1-24 (those nearer Trench & Mendosa have priority)  
(may be limestone under many of Jesse claims).

Thunder Mountain (16): TM 73-84, 92-95

OCCI Group (21): OCCI 1-18 + Big Jim, Campsite, American Annex  
(possible limestone at depth).

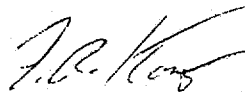
Boot (38): Boot 70-107 (priority several tiers next to Jesse & Orb).

Ventura (22): W139A-W142A, W131N-W138N, W143, W145N, W147, W164, W166, W168, W170, W172, W174, W176.

The above list ought to be checked by our property engineers for completeness. With the tangled groups and ownership of claims in the Mendosa area, I'm not sure the fractional claims could easily be restaked to larger sizes and fewer claims to cover the same ground.

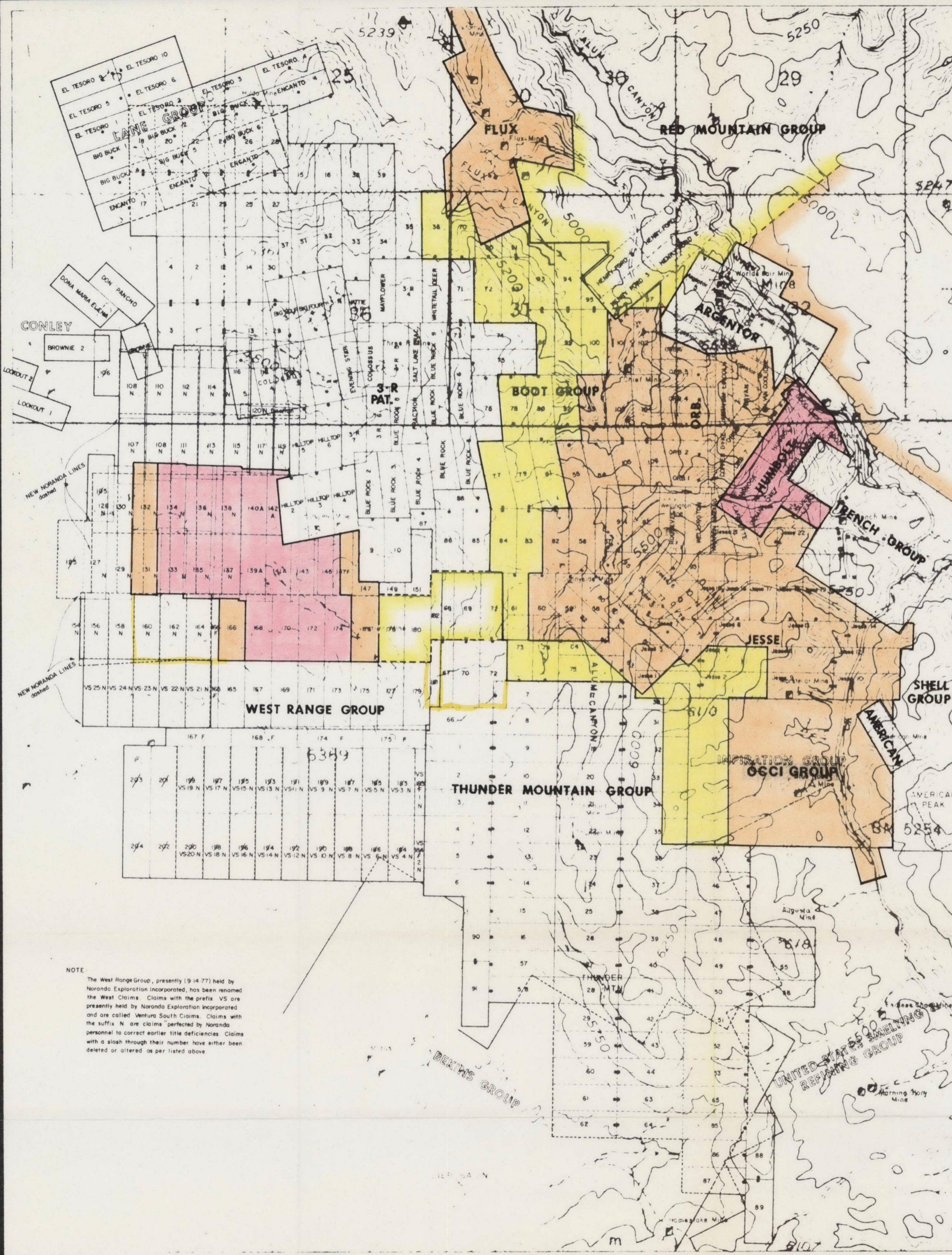
FRK:mek

Attachment: Reduced Map 2617



F. R. Koutz

cc: F. T. Graybeal, NYO  
J. R. Stringham/W. D. Gay



NOTE  
 The West Range Group, presently (9-14-77) held by Noranda Exploration Incorporated, has been renamed the West Claims. Claims with the prefix VS are presently held by Noranda Exploration Incorporated and are called Ventura South Claims. Claims with the suffix N are claims perfected by Noranda personnel to correct earlier title deficiencies. Claims with a slash through their number have either been deleted or altered as per listed above.



**EXPLANATION**

- BEKINS GROUP
- UNITED STATES SMELTING & REFINING GROUP
- AMERICAN CLAIMS (B.W. HIGGINS)
- OCCI GROUP
- FLUX GROUP
- SHELL GROUP
- TRENCH GROUP
- THUNDER MOUNTAIN GROUP
- RED MOUNTAIN GROUP
- 3-R & BOOT GROUPS
- HUMBOLT GROUP
- ARGENTOR GROUP
- CONLEY CLAIMS
- WEST RANGE GROUP
- LANE GROUP
- FIRST PRIORITY
- SECOND PRIORITY
- THIRD PRIORITY

**CLAIM MAP OF THE  
 3-R & THUNDER MTN. AREA**  
 PATAGONIA DISTRICT  
 SANTA CRUZ CO., ARIZONA  
 SCALE 1000'

COMPILED & DRAWN BY D.A.M. JUNE, 1973  
 REVISED BY F.R.K.



# ASARCO

Exploration Department  
Southwestern United States Division

January 3, 1986

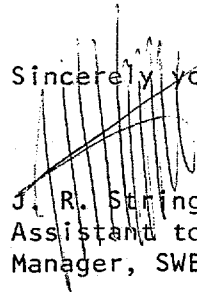
Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventeenth St.  
Denver, Colorado 80202

Three-R Joint Venture  
Santa Cruz Co., AZ  
4th Quarter Report  
October-December 1985

Dear Mr. Wilson:

In accordance with the provisions of the Anaconda-Asarco Agreement of June 22, 1972, attached is a copy of the 4th Quarter Report of this Joint Venture.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: M. L. Love, Supervisor, Property Adm.  
Anaconda Minerals Company

J. D. Sell

January 3, 1986

File Memorandum

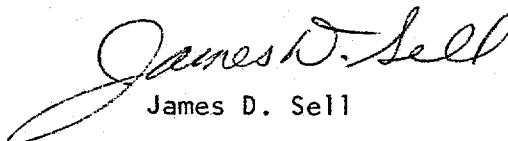
4TH Quarter Report  
Three-R Joint Venture  
October-December 1985  
Santa Cruz Co., AZ

In compliance with the agreement between the Anaconda Company and ASARCO Incorporated, I submit this quarterly report of activities.

No work was done on the property during the quarter.

Skeleton cores were collected from four holes on the retained claim group as the Anaconda storage area is being dismantled. The holes were TM-4, -6, -7, and -9.

Asarco purchased the Anaconda Company portion of the joint venture and thus dissolved the agreement during the quarter. No further file memorandums will be sent to the Anaconda Company.

  
James D. Sell

JDS:mek

cc: J. R. Stringham  
J. Wilson - Anaconda

bl.cc: A. J. Robles

# ASARCO

Exploration Department  
Southwestern United States Division

January 3, 1985

Mr. John Wilson  
Domestic Minerals Manager  
The Anaconda Company  
555 Seventeenth St.  
Denver, CO 80202

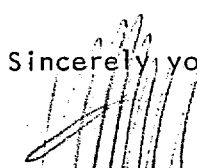
3-R Project  
Santa Cruz Co., AZ

Dear Mr. Wilson:

It occurred to us when we received the transfer of your rights in this property to us, that you might have some geologic data in your files which might be of use to us. We would like to have the complete logs of any exploration holes you drilled before the joint venture was formed and any other geologic information which we might not have received. We know you are cleaning your files as you sell the properties. We hope such information is still around and that you will send it to us.

Thank you for your attention and help.

Sincerely yours,



J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek

cc: J. D. Sell

April 19, 1985

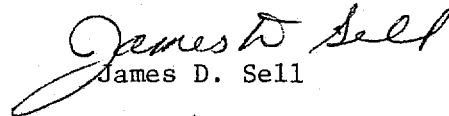
FILE MEMORANDUM

1st Quarter Report  
Three-R Joint Venture  
Jan-March 1985  
Santa Cruz Co., AZ

In compliance with the agreement between the Anaconda Company and ASARCO Incorporated, I submit this quarterly report

No activity occurred on the property during the quarter.

JDS:mek

  
James D. Sell

cc: J.R. Stringham  
J. Wilson - AMC

# ASARCO

Exploration Department  
Southwestern United States Division

April 22, 1985

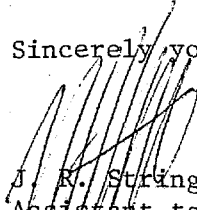
Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventh St.  
Denver, Colorado 80202

1st Quarter Report  
Three-R Joint Venture  
January-March 1985  
Santa Cruz Co., AZ

Dear Mr. Wilson:

In accordance with the provisions of the Anaconda-Asarco Agreement of June 22, 1972, attached is a copy of the 1st Quarter Report of this Joint Venture.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
att.

cc: J. D. Sell  
M. L. Love, Supervisor, Property Adm.  
Anaconda Minerals Company

April 19, 1985

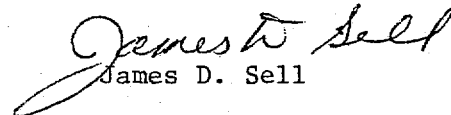
FILE MEMORANDUM

1st Quarter Report  
Three-R Joint Venture  
Jan-March 1985  
Santa Cruz Co., AZ

In compliance with the agreement between the Anaconda Company and ASARCO Incorporated, I submit this quarterly report

No activity occurred on the property during the quarter.

JDS:mek

  
James D. Sell

cc: J.R. Stringham  
J. Wilson - AMC

# ASARCO

## Exploration Department

Frederick T. Graybeal  
Chief Geologist

May 29, 1985

Mr. J. R. Stringham  
Assistant to the Manager  
Southwest Exploration Division  
Tucson, Arizona

Ventura Project  
~~3-R Project~~  
Patagonia Mountains, Arizona

Dear Mr. Stringham:

Attached are xerox copies of amendments to the Ventura Agreement and the ~~3-R Agreement~~, which have been executed by Noranda and Anaconda Minerals respectively. The originals have been retained in the New York Office.

Very truly yours,

*F. T. Graybeal*  
F. T. Graybeal

Attach.

ASARCO Incorporated

JUN 3 1985

SW Exploration

ANACONDA Minerals Company  
555 Seventeenth Street  
Denver, Colorado 80202  
Telephone 303 293 4000

Property Administration

RECEIVED

MAY 17 1985

EXPLORATION DEPT.



May 13, 1985

Mr. R. L. Brown  
Vice President  
Exploration Department  
ASARCO Incorporated  
180 Maiden Lane  
New York, NY 10038

Re: 01-AZ-533-001-A

Dear Mr. Brown:

As you requested, enclosed is a fully executed amendment to our agreement of June 22, 1972.

Sincerely,

Mickey L. Love  
Supervisor, Property Administration

fr



THIRD AMENDMENT TO AGREEMENT DATED JUNE 22, 1972  
BETWEEN ANACONDA MINERALS COMPANY AND  
AMERICAN SMELTING AND REFINING COMPANY (ASARCO)

WHEREAS Atlantic Richfield Company, a Pennsylvania Corporation (successor by merger to The Anaconda Company), acting through its division, Anaconda Minerals Company, herein referred to as "Anaconda," and ASARCO INCORPORATED, formerly American Smelting and Refining Company, herein referred to as "Asarco," did on June 22, 1972 enter into an Agreement in regard to certain patented and unpatented mining claims located in Harshaw Mining District, Santa Cruz County, Arizona, more particularly described in Exhibit A to said Agreement; and

WHEREAS Asarco is satisfied that certain of the claims described in Exhibit A and Exhibit I of said Agreement should be relinquished, and Anaconda and Asarco mutually agree that said mining claims, more particularly described in Exhibit II attached to this amendment, shall be excluded from said lands and those claims described in Exhibit B attached to this amendment shall replace Exhibit A and Exhibit I as if Exhibit B had been attached to the Agreement dated June 22, 1972.

NOW, THEREFORE, Anaconda and Asarco do hereby agree that Exhibit B describing certain mining claims to be left subject to the Agreement, hereby replaces Exhibit A of the Agreement dated June 22, 1972.

IN WITNESS WHEREOF, the parties hereto have duly executed  
this Third Amendment to Agreement effective as of the 13<sup>th</sup> day of  
May, 1985

ATLANTIC RICHFIELD COMPANY

By: Mrs. S. P. P. P.  
Title: Sr. Vice President

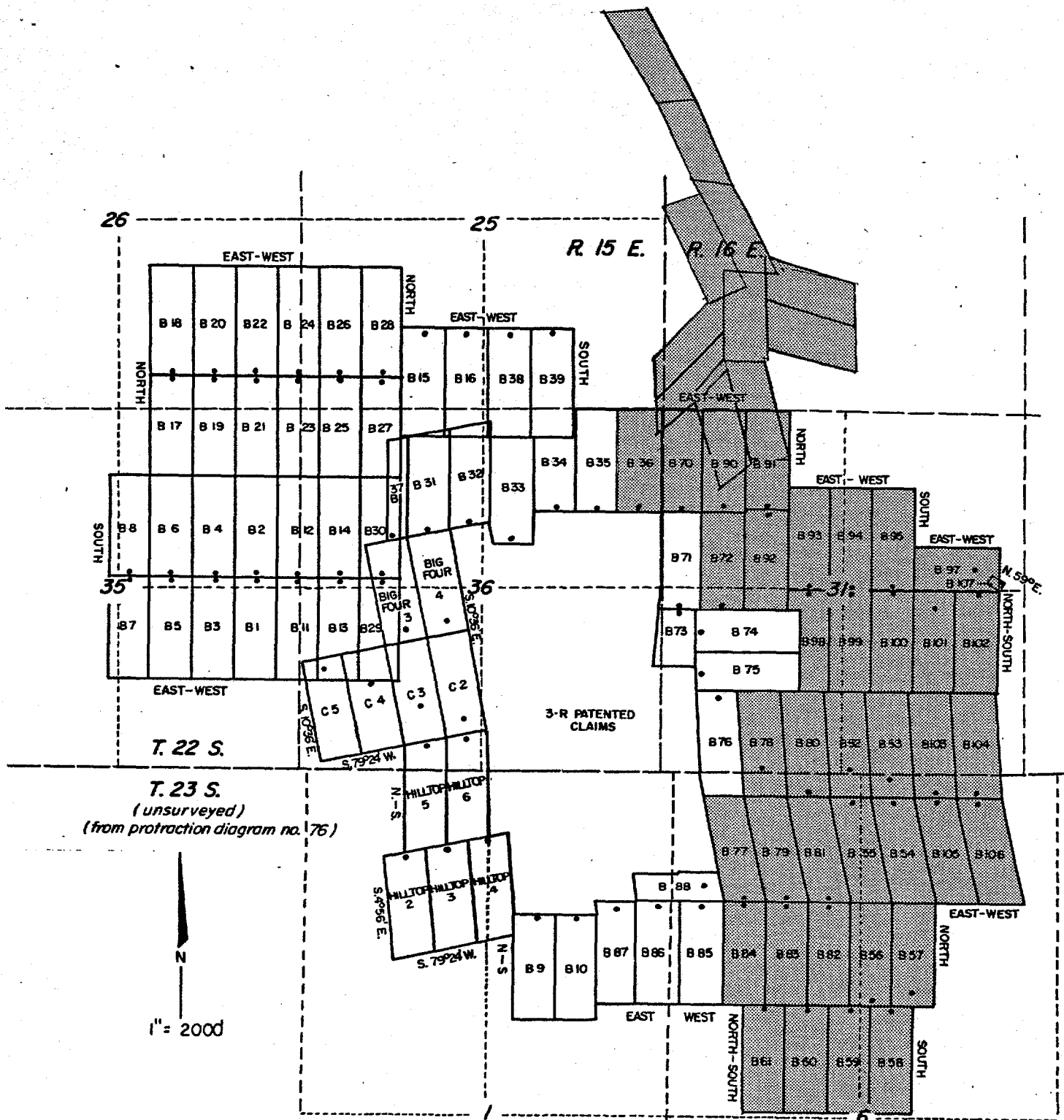
ASARCO Incorporated

By: M. Brown  
Title: Vice President

ATTEST:

Elizabeth J. Collow

ELIZABETH J. COLLOW  
Notary Public, State of New York  
No. 31-479777A  
Qualified in New York County  
Commission Expires March 30, 1987



ASARCO Incorporated  
 3-R Agreement Anaconda  
 1"=2000' Harshaw Dist.  
 Santa Cruz Co., Arizona  
 JRS mn6157 4/85

3-R AGREEMENTANACONDAClaims to be kept - 49

<u>Name of Claim</u>	<u>AMC</u> <u>BLM Serial No.</u>
Boot 36	52011
Boot 52-61	52015-52024
Boot 70	52025
Boot 72	52027
Boot 77-84	52032-52039
Boot 90-95	52044-52049
Boot 97-106	52050-52059
Flux No. 1 (Flux Mine)	52060
Flux No. 2 Amended	52061
Flux No. 3 Amended	52062
Flux No. 4	52063
Flux No. 5 Amended	52064
Flux No. 11 Amended	52065
Flux No. 15	52066
Flux No. 16	52067
Flux No. 18	52068
Flux No. 23	52069
Flux No. 25	52070
Rockney	52071

3-R AGREEMENT

ANACONDA

Claims to be relinquished - 48

<u>Name of Claim</u>	<u>AMC BLM Serial No.</u>
Boot 1-35	51976-52010
Boot 37-39	52012-52014
Boot 71	52026
Boot 73-76	52028-52031
Boot 85-88	52040-52043
Boot 107	194596

April 18, 1985


R. L. Brown  
New York Office

3-R Project

You will note in the attached letter to Mickey Love that you will send her an amendment to the 3-R Agreement. I attach a proposal for such an amendment with Exhibit II and Exhibit B attached. The language is mine, so perhaps Jim Woods should look it over to make sure the language is legally acceptable.

Ms. Love had no objections to our relinquishing the claims. She expects to have their geologist check over the list and map I'm sending her to see if they want to do anything with them. I expect it would be wise to get the proposed agreement to them promptly.

JRS:mek  
atts.



J. R. Stringham

cc: J. D. Sell

THIRD AMENDMENT TO AGREEMENT DATED JUNE 22, 1972  
BETWEEN ANACONDA MINERALS COMPANY AND  
AMERICAN SMELTING AND REFINING COMPANY (ASARCO)

WHEREAS Atlantic Richfield Company, a Pennsylvania Corporation (successor by merger to The Anaconda Company), acting through its division, Anaconda Minerals Company, herein referred to as "Anaconda," and ASARCO INCORPORATED, formerly American Smelting and Refining Company, herein referred to as "Asarco," did on June 22, 1972 enter into an Agreement in regard to certain patented and unpatented mining claims located in Harshaw Mining District, Santa Cruz County, Arizona, more particularly described in Exhibit A to said Agreement; and

WHEREAS Asarco is satisfied that certain of the claims described in Exhibit A and Exhibit I of said Agreement should be relinquished, and Anaconda and Asarco mutually agree that said mining claims, more particularly described in Exhibit II attached to this amendment, shall be excluded from said lands and those claims described in Exhibit B attached to this amendment shall replace Exhibit A and Exhibit I as if Exhibit B had been attached to the Agreement dated June 22, 1972.

NOW, THEREFORE, Anaconda and Asarco do hereby agree that the mining claims described in Exhibit B hereby replace Exhibit A of the Agreement dated June 22, 1972.

IN WITNESS WHEREOF, the parties hereto have duly executed this Third Amendment to Agreement effective as of \_\_\_\_\_ day of \_\_\_\_\_, 1985.

ATLANTIC RICHFIELD COMPANY

By: \_\_\_\_\_

Title: \_\_\_\_\_

ASARCO Incorporated

By: \_\_\_\_\_

Title: \_\_\_\_\_

ATTEST:

\_\_\_\_\_

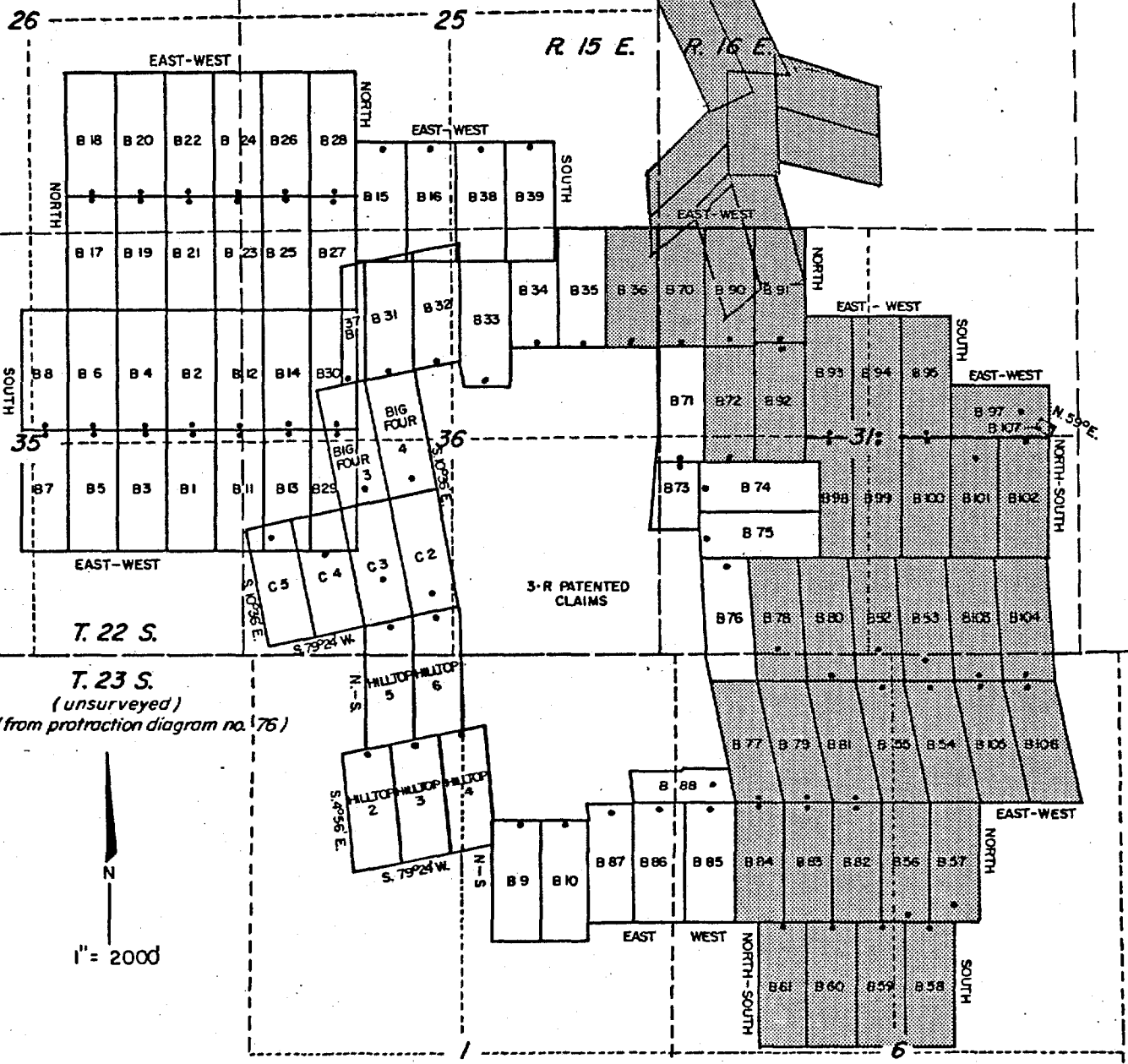
3-R AGREEMENT

ANACONDA

Claims to be relinquished - 48

<u>Name of Claim</u>	AMC <u>BLM Serial No.</u>
Boot 1-35	51976-52010
Boot 37-39	52012-52014
Boot 71	52026
Boot 73-76	52028-52031
Boot 85-88	52040-52043
Boot 107	194596





ASARCO Incorporated  
 3-R Agreement Anaconda  
 1"=2000' Harshaw Dist.  
 Santa Cruz Co., Arizona  
 JRS mn6157 4/85

3-R AGREEMENT

ANACONDA

Claims to be kept - 49

<u>Name of Claim</u>	<u>AMC BLM Serial No.</u>
Boot 36	52011
Boot 52-61	52015-52024
Boot 70	52025
Boot 72	52027
Boot 77-84	52032-52039
Boot 90-95	52044-52049
Boot 97-106	52050-52059
Flux No. 1 (Flux Mine)	52060
Flux No. 2 Amended	52061
Flux No. 3 Amended	52062
Flux No. 4	52063
Flux No. 5 Amended	52064
Flux No. 11 Amended	52065
Flux No. 15	52066
Flux No. 16	52067
Flux No. 18	52068
Flux No. 23	52069
Flux No. 25	52070
Rockney	52071

# ASARCO

Exploration Department  
Southwestern United States Division

April 18, 1985

Ms. Mickey Love  
Anaconda Minerals Co.  
555-17th St.  
Denver, CO 80202

## 3-R Project

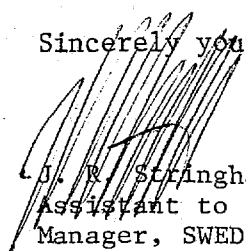
Dear Ms. Love:

Our geologists have decided that there is little mineral value in a number of the claims covered under the agreement between Asarco and Anaconda Minerals signed June 22, 1972. We intend to keep 49 claims and relinquish 48 as noted on the attached list. A map of the claims, with a yellow line enclosing the claims we expect to keep, is enclosed. Please let us know if you want any of the claims.

I'm sending this along right away so that you may plan your assessment work if you want to maintain them. We won't do work this year for the 48 claims being relinquished.

Mr. R.L. Brown, our Vice President for Exploration, will send you an amendment to the agreement for signature shortly. It will detail this proposal in exactly the same manner.

Sincerely yours,



J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
encs.

cc: R. L. Brown  
~~J. D. Sell~~

3-R AGREEMENTANACONDAClaims to be kept - 49

<u>Name of Claim</u>	<u>AMC BLM Serial No.</u>
Boot 36	52011
Boot 52-61	52015-52024
Boot 70	52025
Boot 72	52027
Boot 77-84	52032-52039
Boot 90-95	52044-52049
Boot 97-106	52050-52059
Flux No. 1 (Flux Mine)	52060
Flux No. 2 Amended	52061
Flux No. 3 Amended	52062
Flux No. 4	52063
Flux No. 5 Amended	52064
Flux No. 11 Amended	52065
Flux No. 15	52066
Flux No. 16	52067
Flux No. 18	52068
Flux No. 23	52069
Flux No. 25	52070
Rockney	52071

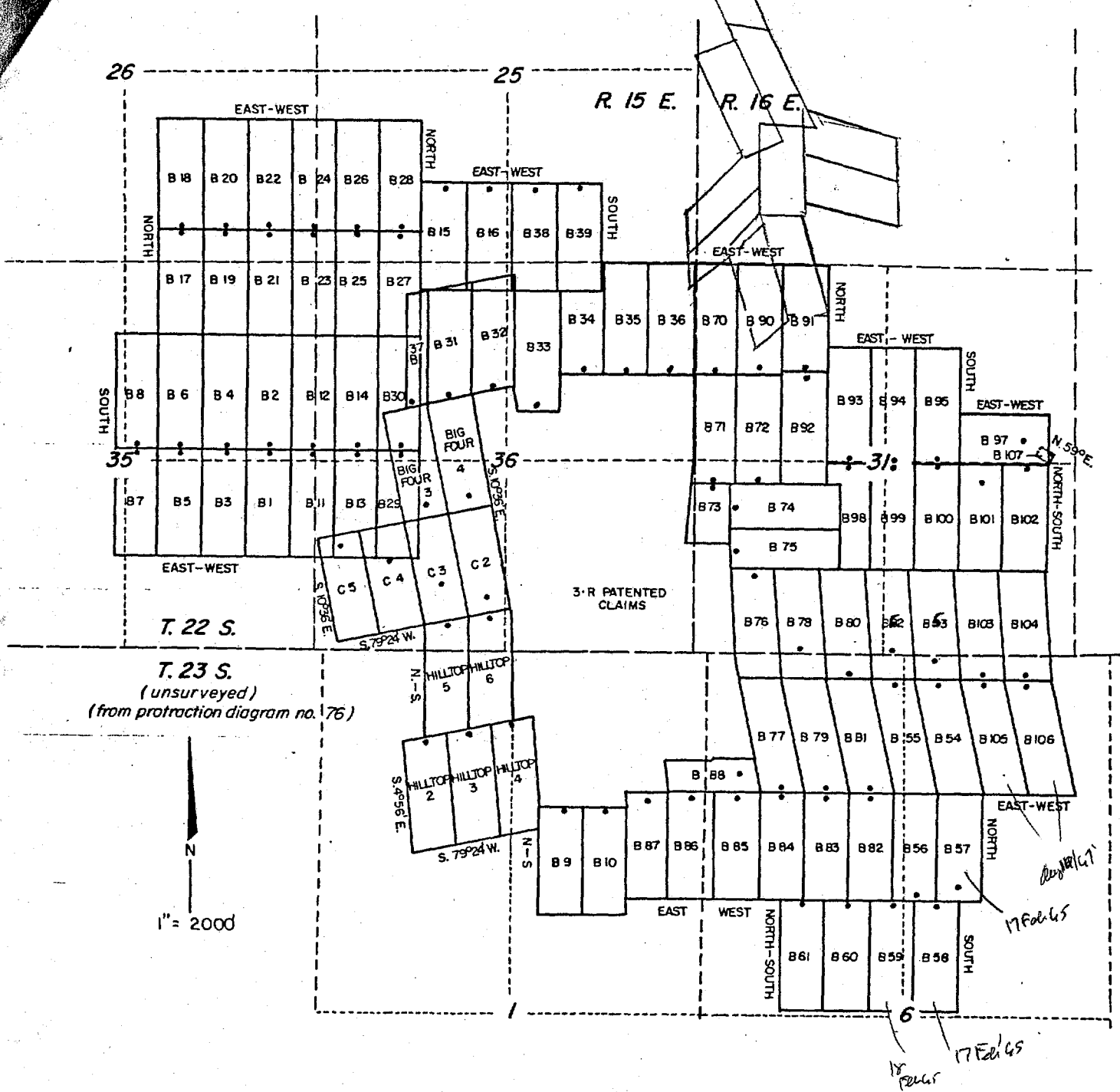
3-R AGREEMENT

ANACONDA

Claims to be relinquished - 48

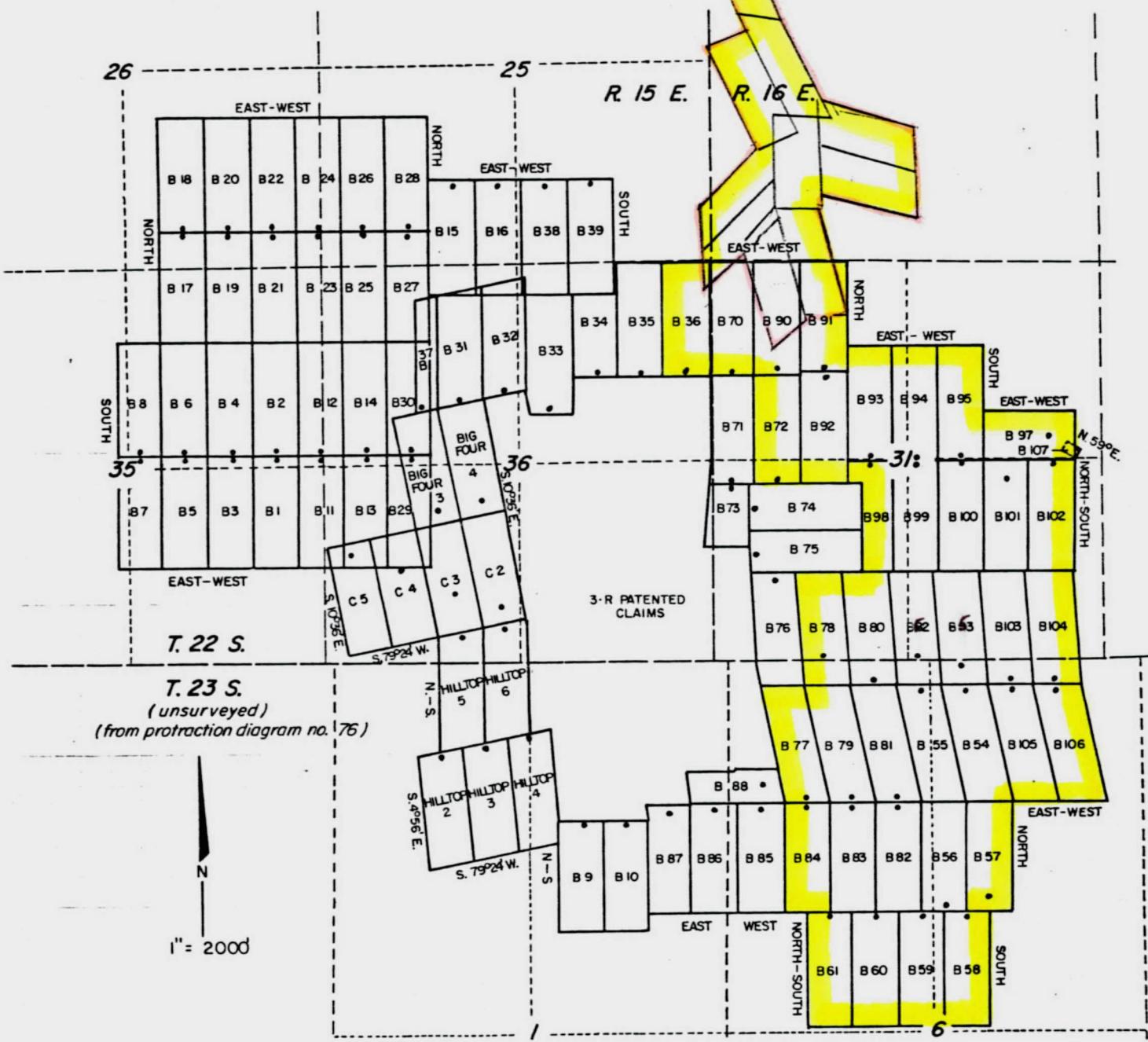
<u>Name of Claim</u>	AMC <u>BLM Serial No.</u>
Boot 1-35	51976-52010
Boot 37-39	52012-52014
Boot 71	52026
Boot 73-76	52028-52031
Boot 85-88	52040-52043
Boot 107	194596

Original Filed Group of ASARCO  
part into 3-R agreement. (unpatented)



ASARCO Incorporated  
3-R Agreement Anaconda  
1"=2000' Harshaw Dist.  
Santa Cruz Co., Arizona  
JRS                      mn6157 4/85

*Original Fluvial Group of ASARCO  
part of 3-R agreement. (unpatented).*



ASARCO Incorporated  
 3-R Agreement Anaconda  
 1"=2000' Harshaw Dist.  
 Santa Cruz Co., Arizona  
 JRS mn6157 4/85

JDS

# ASARCO

Exploration Department  
Southwestern United States Division

January 23, 1986

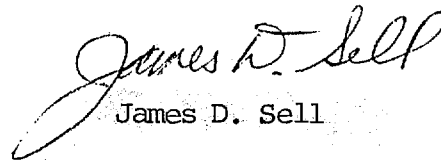
Ms. Kim Penoyer  
Anaconda Minerals Company  
555 Seventeenth Street  
Denver, CO 80202

Dear Kim:

3 R Joint Agreement  
Santa Cruz Co., AZ

As per your telephone call I submit a copy of the 3 R claim map showing the claims retained and subject to the 3 R Joint Agreement.

Sincerely,

  
James D. Sell

JDS/gb

Attachment

cc: WDGay - Land Dept.





# ASARCO

JDS

Exploration Department  
Southwestern United States Division

July 3, 1985


Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventh St.  
Denver, Colorado 80202

2nd Quarter Report  
Three-R Joint Venture  
April-June 1985  
Santa Cruz Co., AZ

Dear Mr. Wilson:

In accordance with the provisions of the Anaconda-Asarco Agreement of June 22, 1972, attached is a copy of the 2nd Quarter Report of this Joint Venture.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: J.D. Sell  
M.L. Love, Supervisor, Property Adm.  
Anaconda Minerals Company

July 3, 1985

File Memorandum

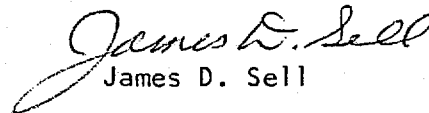
2nd Quarter Report  
Three-R Joint Venture  
April-June 1985  
Santa Cruz Co., AZ

In compliance with the agreement between the Anaconda Company and ASARCO Incorporated, I submit this quarterly report.

No activity occurred on the property during the quarter.

Joy Drilling has been notified of our intent to drill in the 3rd Quarter.

JDS:mek

  
James D. Sell

cc: J. R. Stringham  
J. Wilson - AMC

July 3, 1985

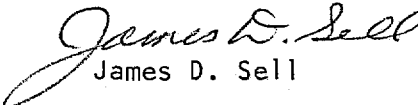
File Memorandum

2nd Quarter Report  
Three-R Joint Venture  
April-June 1985  
Santa Cruz Co., AZ

In compliance with the agreement between the Anaconda Company and ASARCO Incorporated, I submit this quarterly report.

No activity occurred on the property during the quarter.

Joy Drilling has been notified of our intent to drill in the 3rd Quarter.

  
James D. Sell

JDS:mek

cc: J. R. Stringham  
J. Wilson - AMC

# ASARCO

JDS

Exploration Department  
Southwestern United States Division

July 3, 1985

Mr. John Wilson, Manager  
Domestic Metals Exploration  
The Anaconda Company  
555 Seventeenth St.  
Denver, Colorado 80217

Three-R Joint Venture  
Santa Cruz County, AZ

Dear John:

As in the past several years, Asarco intends to do work on the adjacent contiguous claims "for the benefit of" the Three-R block. No charges will be made against the Three-R Joint Venture.

We will confirm that the necessary monies have been spent to cover the assessment year ending August 31, 1985, on the reduced block of 49 claims.

If you have any reservations or questions about this, please contact me.

Sincerely yours,

  
James D. Sell

JDS:mek

cc: W. L. Kurtz  
J. R. Stringham  
M. L. Love, Supervisor, Property Admin.  
Anaconda Minerals Co.

# ASARCO

Exploration Department  
Southwestern United States Division

September 23, 1985


Anaconda Minerals Co.  
Attn: Mickey L. Love  
Supervisor, Property Management  
Mineral Lands Department  
555 Seventeenth St.  
Denver, Colorado 80202

Boot - Flux Claim Group  
Palmetto & Harshaw Mining Dists.  
Santa Cruz County, Arizona  
Assessment Affidavit

Gentlemen:

Enclosed for your records is a copy of the 1985 Affidavit of Labor for the Boot - Flux Claim Group which has been recorded in Santa Cruz County and acknowledged as received by the Bureau of Land Management, Arizona State Office, Phoenix, Arizona.

Very truly yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
enc.

cc: J. D. Sell

# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

September 11, 1985

Mr. Dean Bibles  
State Director  
Bureau of Land Management  
U.S. Department of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

Mining Claim Annual Recordation  
Boot & Flux Group (49)  
Santa Cruz County, AZ  
A MC 52011, 52015 thru 52025,  
52027, 52032 " 52039,  
52044 thru 52071

---

Dear Sir:

In accordance with the Federal Land Policy and Management Act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claim serial numbers, as recorded in the Santa Cruz County Recorder's office in Docket 406, Pages 478 and 479, for the assessment year ending September 1, 1985.

Please return acknowledgement in the enclosed envelope.

Very truly yours,

JRS:mek  
enc.

cc: R. L. Brown  
H. E. Kelshaw (w/enc.)  
J. D. Sell (w/enc.)  
A. J. Robles (w/enc.)

Anaconda Minerals Co.  
Att: Mickey L. Love  
Supervisor Property Admin.

J. R. Stringham  
Assistant to the  
Manager, SWED

AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )

J.R. Stringham, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are set forth as follows on Exhibit A.

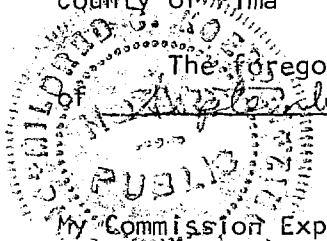
That all of said mining claims are owned by ASARCO Incorporated and Anaconda Minerals Company, the mailing address for which is P.O. Box 5747, Tucson, Arizona 85703; that between September 1, 1984 and August 28, 1985, in excess of \$5,000 worth of work and improvements were done and performed for the benefit of the described claims. Work and improvements consisted of drilling by Joy Manufacturing Co., 707 Boyd Blvd., La Porte, Indiana 46350.

Said labor was performed and improvements made at the expense of ASARCO Incorporated for the benefit of each and all of said mining claims (49), comprising said contiguous groups as part of the general plan of exploration, improvements and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the described unpatented lode mining claims for the assessment year ending 12:00 o'clock Meridian, September 1, 1985.

ASARCO Incorporated

By [Signature]  
Agent

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )



The foregoing instrument was acknowledged before me this 4<sup>th</sup> day of September, 1985, by J.R. Stringham.

My Commission Expires:  
My Commission Expires Nov. 23, 1988

Mildred C. Koeppe  
Notary Public



EXHIBIT A  
 TO AFFIDAVIT OF PERFORMANCE  
 OF LABOR FOR YEAR  
 ENDING SEPTEMBER 1, 1985

DOCK **406** PAGE **479**

The following contiguous group of unpatented mining claims are situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona. The Location Notices of which are of record in the office of the Santa Cruz Recorder, and are as follows:

Name of Claim	Recording Data		BLM Serial Number
	Book	Page	
Boot No. 36	41	139	A MC 52011
Boot 52 thru 61	58	421 thru 430	52015 thru 52024
Boot 70	57	316	52025
Boot 72	57	318	52027
Boot 77	57	323	52032
Boot 78	57	324	52033
Boot 78 Amended	58	431	"
Boot 79	57	325	52034
Boot 80	57	326	52035
Boot 80 Amended	58	432	"
Boot 81 thru 84	57	327 thru 330	52036 thru 52039
Boot 90 thru 95	81	349 " 354	52044 " 52049
Boot 97 thru 106	81	355 " 364	52050 " 52059
Flux No. 1 (Flux Mine)	3	312 and 313	52060
Flux No. 2	1	258 thru 260	52061
Flux No. 2 Amended	3	314 and 315	"
Flux No. 3	2	14 and 15	52062
Flux No. 3 Amended	3	315 thru 317	"
Flux No. 4	3	318 and 319	52063
Flux No. 5 (Mexicano)	2	15	52064
Flux No. 5 Amended	3	319 thru 321	"
Flux No. 11	16	284 and 285	52065
Flux No. 11 Amended	16	314	"
Flux No. 15	16	285 and 286	52066
Flux No. 16	16	280 and 281	52067
Flux No. 18	16	282 and 283	52068
Flux No. 23	26	330	52069
Flux No. 25	26	375	52070
Rockney	24	100	52071

All of said claims are located in Sections 24, 25, and 36, T22S, R15E; Sections 30 and 31, T22S, R16E; and Section 6, T23S, R16E, G&SRB&M.

FEE NO. 05554

STATE OF ARIZONA, County of Santa Cruz — SS.

I do hereby certify that the within instrument was filed and recorded at the request of ASARCO Incorporated

on SEP 6 '85 - 10 00 AM

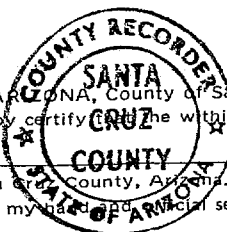
Docket No. 400 Page 478-479

Records of Santa Cruz County, Arizona.

WITNESS my hand and official seal the day and year first above written.

MARY LOU G. SAINZ, COUNTY RECORDER

By Margarita Vergara  
 Deputy



# ASARCO

Exploration Department  
Southwestern United States Division

October 1, 1985


Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventh St.  
Denver, Colorado 80202

3rd Quarter Report  
Three-R Joint Venture  
July-September 1985  
Santa Cruz Co., AZ

Dear Mr. Wilson:

In accordance with the provisions of the Anaconda-Asarco Agreement of June 22, 1972, attached is a copy of the 3rd Quarter Report of this Joint Venture.

Sincerely yours,

  
J. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: J. D. Sell  
M.L. Love, Supervisor, Property Adm.  
Anaconda Minerals Company

# ASARCO

Exploration Department  
Southwestern United States Division

October 1, 1985


Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Co.  
555 Seventh St.  
Denver, Colorado 80202

3rd Quarter Report  
Three-R Joint Venture  
July-September 1985  
Santa Cruz Co., AZ

Dear Mr. Wilson:

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Sincerely yours,

  
D. R. Stringham  
Assistant to the  
Manager, SWED

JRS:mek  
Att.

cc: J. D. Sell  
M.L. Love, Supervisor, Property Adm.  
Anaconda Minerals Company

October 1, 1985

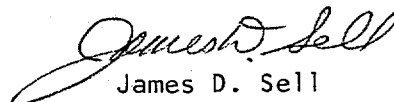
FILE MEMORANDUM

3rd Quarter Report  
Three-R Joint Venture  
July-Sept. 1985  
Santa Cruz Co., AZ

In compliance with the agreement between the Anaconda Company and ASARCO Incorporated, I submit this quarterly report of activities.

Joy Drilling completed a hole on contiguous claims for the benefit of all claims during the quarter.

Affidavits of assessment have been filed and distributed to the various agencies.

  
James D. Sell

JDS:mek

cc: J. R. Stringham  
J. Wilson - Anaconda

# ASARCO

Exploration Department  
Southwestern United States Division

James D. Sell  
Manager

October 28, 1985

Mr. John Wilson, Chief Geologist  
Anaconda Minerals Company  
555 Seventeenth St.  
Denver, CO 80202

3-R Joint Venture  
Santa Cruz Co., AZ

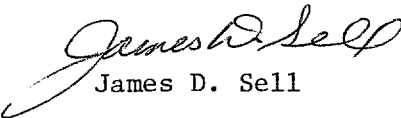
Dear Mr. Wilson:

ASARCO Incorporated bids \$1000 for the 49% ownership held by the Anaconda Company in the 3-R Property, Santa Cruz Co., Arizona. Asarco presently owns the remaining 51% of the 3-R Joint Venture.

The assignment to Anaconda of 49% of the 3-R Property is dated 5/31/78, whereas the assignment to Asarco of 51% of the 3-R Property is dated 5/17/78.

If this bid is acceptable, please arrange the necessary assignment documents and we will forward a check for \$1000.

Sincerely,

  
James D. Sell

JDS:mek

cc: R. L. Brown  
W. L. Kurtz

To Mr. Kurtz  
Date 11/5 Time 11:33

**WHILE YOU WERE OUT**

M John Wilson  
of \_\_\_\_\_

Phone 303-293-4560  
Area Code Number Extension

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

RETURNED YOUR CALL

Message ASARO DURAN COND  
What do you want him / do we  
to do 3R Core? really  
(J D Sell said to have  
core shipped here. mek)

Operator [Signature]

Look for ASHACO  
 TR-10 → core  
 possibly moved from  
 mission (3R mine mine  
 Enig. 1000. 80's)

check w/ Wilson on 3-R core  
 where?

in Tucson - old ASHACO mine (King)  
 ←  
 at mission??

Kelly Road warehouse \*

9 drill holes T.D.

photocopied 11/25/85

240' - 0.36%	950-1250	1	1609 (-70°)	(1633')	inclined west from bx.	Jg
420' - 0.47%	650-1100	2	2190 (-77°)	(2187)	inclined east to cent bx.	Jg
No		3	<del>213</del> 1840	(-70°)	inclined east to cent bx	Jg
No	.046 with cave	* 4	2043	1927	Var. in Temp.	
420' - 0.36%		5	2043	(-75°)	inclined east to cent bx.	Jg
No	58cm x 0.04	* 6	2015	(-45°) (2106)	inclined W to cent bx	BX Breccia TJW
20.02		* 7	1561	(1570)	inclined W to cent TR group.	
No		8	7??	750' (-80°)	near bx	Jg
20.02		* 9	785.		inclined W to cent TR group.	

9) 14,844 ≈ 1650 boxes

\* on retained claims  
 others outside on 3-R claims given back to Pierce.

16-17

Larry Fellows

Larry Campbell 573-7945

2 30  
 D & CA

They Have TR-16 & TR-17 core & skeletons  
 We need to pick up!

Don't pick up 11/26

3-R in Skeletons in Ventura Warehouse, Tucson.

1 box (Thin section slabs)? TR-1 → TR-8, SU-2, 3, 4.

Skeletons TR-10, 11, 12, 13, 14, 14B  
15, 16, 17.

Skeletons? <sup>rock types discussed</sup> base on Whill Hole records by FTG. ???

bx of box

TR-1 20, 361, 422, 745, 791, 895, 967, 1000, 1023, 1040,  
1210, 1312, 1352, 1370.

CC from 740 → end of hole? ( $\pm 0.05$ )

weak bx

TR-2 858, 1075, 1104, 1840, 1905, 1975, 2090  
CC from 660 → 1820

did not hit bx

TR-3 50, 1592, 1719, 1780

TR-4 16

No bx.

TR-5 63, 1259, 1319, 1363

CC 520 → 700 w/ 800-900 & other scattered narrow zones.

TR-6 gmg.

960 → 1500.

TR-7

Fe groups egl-saltstone, gyp, lot of tuff?, houseful.

pebbles in box  
but not crossed  
up such  
parametric-energy



TR-8 gms, bx, sketch

TR-9 cgl, lens, g/het to skann.  
431 → 785 g/het to skann

4 2043

6 2106

7 1561

9 785

) 952346 = ± 266 boxes

9 / 6495

= ± 722 boxes

621-7906

Tue

Anamor may date beds\*

Helvetia Jones Gradwell

Orlando,

TR-16 2 box skeletons

TR-17 30 B & CA

155

PROJECT Anaconda - 3RHOLE NO. TR-4Collar elev. 5285Final depth 1927

Coord N. \_\_\_\_\_

Coord E. \_\_\_\_\_

Inclination verticalPage 1 of 3Logged by FTG

Date start \_\_\_\_\_

Date finish \_\_\_\_\_

STRUCTURE		ROCK TYPE and REMARKS
faults	breccia	Rockbit
3'@56		10' QTZ. MONZONITE POR: gy-white, massive; texture clearly visible w 35% wht, evh. plag. pheno, 5% gy-brn bio-hld pseudomorphs, all in lt. gy fig matrix. Alteration is pervasive clay? - ser w ser. coarser in mafic pseudom. Matrix is qtz-ser? Pyrite is med. gr. dissem in mafics and in 1/32" - 1/16" qtz-py veins (rarely to 1/2"). Chalcocite is erratic, in py veins only. Tr moly in larger qtz-py veins.
3'@155		155-158: wkly vuggy monz. por bx w c.g. pyrite in vugs.
5'@285		240: abrupt incr in clay alt due to irreg greenish alt. of plag pheno; greasy feel sugg clay-ser. mixture? 285-301: irreg. wk flt gg, crushed zones.
5'@591		553-559: aplitic zone w 5% diss. py 591-602: fault zone is stg sericitiz., is prob pre-mineral 619-625: aplitic zone w. 5% diss py Chalcopyrite occurs erratically in 1/16" qtz-py-cpy veins and in pods up to 1/4" dia, always assoc. w. sooty chalcocite. 752: tourmaline is lt. gray, in rosettes to 1/2" dia, dissem in wkly porous zones.

PROJECT Anaconda - 3EHOLE NO. TR-4Collar elev. 5285Final depth 1927

Coord N. \_\_\_\_\_

Coord E. \_\_\_\_\_

Inclination verticalPage 2 of 3Logged by FTG

Date start \_\_\_\_\_

Date finish \_\_\_\_\_

STRUCTURE

ROCK TYPE and REMARKS

Quartz breccia

1000: overall color, texture degree and character of alteration in monzonite porphyry are relatively uniform throughout.

1129-1131: completely fresh qtz. monz. porphyry. Change from pervasive, fg sericite grad; 1100-1120 abundant zones w gy-greenish sericitic (?) alt. of plag. pheno; 1120-1129 is mixed greenish ser., chlor alt. of mafics and pervasive yellow-brown coloration, partic of feldspars. Minor epid. in fresh monz. por. Tour. is dk gy-grn to black, occurs in dissem  $\frac{1}{8}$ - $\frac{1}{2}$ " clots and rosettes w qtz.

Greenish alt disappears with incr. depth. From about 1100 overall strength of alteration weakens w. rare fresh intervals mixed in with brownish (clay) alt. of plagioclase.

11' @ 1659

1659-1670: angular frags. of clay-alt. monz. por. cut by irreg qtz-rich zones; vague

1669

1669-1677: rock is mod. brkn, ggy

PROJECT Anaconda - 3R

HOLE NO. TR-4

Collar elev. 5285

Final depth 1927

Coord N. \_\_\_\_\_

Coord E. \_\_\_\_\_

Inclination vertical

Page 3 of 3

Logged by FTG

Date start \_\_\_\_\_

Date finish \_\_\_\_\_

STRUCTURE

ROCK TYPE and REMARKS

ft.	faults	breccia
0		
10		
20		
30		
40		
50		
60		
70		
80		
90		
100		
110		
120		
130		
140		
150		
160		
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790		
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810		
820		
830		
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860		
870		
880		
890		
900		
910		
920		
930		
940		
950		
960		
970		
980		
990		
1000		

Rare pyrite veins in brown clay - alt. qtz monz. por have bleached 1/4" selvages

1854 - 1873: fresh, grn-gy, qtz. monz. porphyry

Hole bottomed in qtz. monz. por w pervasive brownish (clay?) alt. of plag. feldspars, texture obvious, prob termed moderate strength alteration. Impression is overall weakening of clay - sericite alteration with increasing depth from n 1100 ft. Porphyritic texture visible throughout.



PROJECT Anaconda-3RHOLE NO. TR-6Collar elev. 5285Final depth 2106

Coord N. \_\_\_\_\_

Coord E. \_\_\_\_\_

Inclination S75W-45°Page 2 of 3Logged by FTG

Date start \_\_\_\_\_

Date finish \_\_\_\_\_

STRUCTURE

ROCK TYPE and REMARKS

faults

900: increase in clay alteration is greenish and brn-yellow material in plag. pheno.

1160: rather quick appearance of qtz-py-enar. veins,  $\frac{1}{8}$ -1" wide, mostly coarse-gr., rare bleached selvage, dips rather uniform, minor assoc. tour. + alunite.

1311: tourmaline in rosettes to 1" dia, color is med gy-grn  
1326-1366: aplitic interval with uniform med gr, equigran text. rock w. occas. porphyritic sections

1413-1444: aplitic qtz. monz. porphyry

Erratic occurrences of aplite become more abundant w. depth, and texture appears often gradational w. good qtz mz. por - continuing to bottom of hole.

1540-1576: mostly fresh qtz. monz. porphyry w. minor py veins. Alt. is brn-yel. clay alt. of plag and grades up + down into the gy-wht. st. ser alteration.

PROJECT Araconda - 3R

HOLE NO. TR-6

Collar elev. 5285

Final depth 2106

Coord N. \_\_\_\_\_

Coord E. \_\_\_\_\_

Inclination S75W-45°

Page 3 of 3

Logged by FTG

Date start \_\_\_\_\_

Date finish \_\_\_\_\_

STRUCTURE

ROCK TYPE and REMARKS

faults

3' @ 1929

1934: tourmaline is black

Hole bottoms in somewhat aplitic qtz. monz. porphyry. Overall pervasiveness of alteration similar throughout; possib incr. in grain size of pyrite w. depth. Alt never strong enough to obliterate the igneous texture.



Collar elev. 4945Final depth 1561'

Coord N. \_\_\_\_\_

Coord E. \_\_\_\_\_

Inclination S50°W - 50°Page 1 of 2Logged by FTG

Date start \_\_\_\_\_

Date finish \_\_\_\_\_

## STRUCTURE

## ROCK TYPE and REMARKS

Fault

0-20': Alluvium - Chief fm. qtz eye tuff - lapilli tuff, red stained

20': LOWER CONGLOMERATE: dk grn-gray; clasts are 1/4" - 3', mostly subangular, include f.g. sediment, porphyritic volcanic, and possib plutonic rocks in a 10-30% f.g. matrix. No bedding etc. Matrix is partly silicified and chloritized. Py is dissem and paint on irreg. Fracts. Siliceous clasts more abundant w. depth.

146: SILTSTONE: lt buff-gy with clay and quartz-rich zones, med-fg, mod irreg joint.

163: LOWER CONGLOMERATE: grayish to grn-gy, irreg jointing (shattering?); clasts of sandst and dacite(?) or granodior por(?) most abund. Epidote assoc w. porphyry (clasts or small dikes?). Py is dissem grains + cubes to 1/8" and paint on joints.

254: QUARTZITE: med gy-grn; med gr, w. +80% qtz, rare clasts of dac-grano, por

309: LATITE TUFF(?) lt gy, igneous texture w. mod ang clasts

326: QUARTZITE: med gy-brn; +80% qtz, several poros, clayey zones w. 4% diss py. Grad. w. lower congl. @ 373' -

373: LOWER CONGLOMERATE: med grn-gy, massive; clasts 1/4 - 1/2", subround, include qtzite, mass epid, por volc. Epid. as paint on clasts + in irreg joints and as mass. repl. of clasts. Py med. gr. Rock becomes lighter colored, more silicified, finer gr. w. depth.

490-509: light gy-wht por volc. (latite?) (sill?, dike?, inclusion?)

560-660: 25% of rock is light gy-wht (latite?) por. volc.

788: LATITE POR: irreg jointed w. 10-30% white anhedral 1/16 - 1/4" feld. pheno in lt. gy-buff f.g. matrix. Variable % rock clasts throughout. Local 3" zones w. eutaxitic struct.

PROJECT Anaconda - 3RHOLE NO. TR-7Collar elev. 4945Final depth 1561

Coord N. \_\_\_\_\_

Coord E. \_\_\_\_\_

Inclination S50°W - 50°Page 2 of 2Logged by FTG

Date start \_\_\_\_\_

Date finish \_\_\_\_\_

STRUCTURE

ROCK TYPE and REMARKS

faults

860 latite por. resembles lower congl locally except that matrix is porphyritic and not gritty; becomes siliceous downward.

Tourmaline occurs as black, med-f.g aggregates and bursts in siliceous rock, usually assoc w. pyrite

980 LOWER CONGLOMERATE (?) - HORNFELS (?): dense f.g, almost cherty, grayish; appears siliceous; rare, vague suggest. of congl. texture. Rare zones of steep flow-like banding (bedding?). Possibly an argillite (?), baked siltstone (?)

1224 SILTSTONE (?): wht brkn, med-f.g, clay-rich rock, ggy sections. Spotty shattered zones, completely rehealed. Py mostly med-f.g dissemin. Alteration unclear - appears primarily to be a bleaching. Dk brown sections appear w. depth bet. veins - prob orig. color.

broken zone

1336-

1359

1510-1561: grain size locally coarser and rock is clearly a quartzite - pebble congl. interbedded w. f.g. siltstone

Collar elev. 4940Final depth. 785

Coord N. \_\_\_\_\_

Coord E. \_\_\_\_\_

Inclination N80W - 45°Page 1 of 1Logged by FTG

Date start \_\_\_\_\_

Date finish \_\_\_\_\_

## STRUCTURE

## ROCK TYPE and REMARKS

Faults breccia 0-7: Rabbit.

7: LOWER CONGLOMERATE: lt-med grn-gy, irreg. fract. but massive; ang-round clasts 1/8 - 1/4" (rarely to 3") of f.g. gy-pink volc?, med gr plutonic (qtz. monz?), qtzite, siltst. and others (none are easily identifiable) comprising 50-80%, all set in med gr. dk. grn. siliceous matrix of qtz-chlor; epidote in irreg. clots, cal. in veins and dissemin. Alteration is mostly chlor-epid. of matrix, minor within clasts. Py is med-f.g. dissemin. and as thin coat. on irreg. joints. Overall color gen. light cut by veins + irreg. masses of dk grn matrix.

300': w incr depth color becomes more uniform lt buff-gy, clasts larger (to 6") and porphyry is more abundant (all types). Chlor. often in 1/8" clots or in irreg. discont. joints.

S@401

S@443

558: LIMESTONE: dense, mass whitish-lt. gy; strongly altered to f.g. lime-silicate assemblage mostly wollast. or diopside; med silicif(?) Py is dissemin, med gr.

598-602, 615-623: Lower conglomerate: as above.

631 631: QUARTZITE: grayish, med gr, well silicif, contains minor skarn-alt lms (beds - boulders(?)) and lower congl beds. Qtzite is wk-stg, brecciated and recemented w. calcite + clay(?). Matrix of bx contains c.gr. py throughout. Calcite-rich zones often 1-3' long (unalt. lms?). Qtzite contains calcite vns. in unbx areas.

# ASARCO

JDS

Exploration Department  
Southwestern United States Division  
James D. Sell  
Manager

November 26, 1985

Mr. John Wilson, Manager  
Domestic Minerals Exploration  
The Anaconda Company  
555 Seventeenth Street  
Denver, CO 80202

3-R Joint Venture  
Santa Cruz County, AZ

Dear John:

Thank you for arranging the TR core for us to skeletonize.

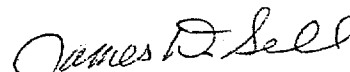
On November 25, the skeletonizing of holes TR-4, -6, -7, and -9 was completed. These four holes are the only ones on the retained claims of the agreement.

We will also pick up the core from Asarco TR-16 and TR-17 which you borrowed some time ago and kept at your core shed.

Thanks are due Mr. Larry Campbell for arranging the opening of the core shed.

On your behalf I talked with Dr. Larry Fellows, State Geologist, Arizona Bureau of Geology and Mineral Technology, concerning their acceptance of the residual core which Anaconda has in the Southwest District. I understand that Dr. Fellows moved the request of acceptance up to Dr. William Cosart, Dean of the College of Engineering and Mines, who is also the head of the Bureau. Dr. Cosart is out of town for the week, but I have reaffirmed that time-is-of-the-essence.

Sincerely,



James D. Sell

JDS:mek

# ASARCO

Exploration Department  
Southwestern United States Division

Certified Mail  
Return Receipt

November 27, 1985

Mr. Ben Livingston  
DAT - 613  
Anaconda Minerals Company  
555 Seventeenth Street  
Denver, Colorado 80202

3-R Joint Venture

Dear Mr. Livingston:

Please sign the attached agreement which has already been signed for ASARCO Incorporated by R. L. Brown, and return one of the executed copies to me. Our check for \$1,000.00 is included as agreed.

Sincerely yours,



J. R. Stringham  
Land Manager

JRS:mek  
Atts. (2 copies)

cc: J. D. Sell  
R. L. Brown

November 6, 1985

R. L. Brown  
New York Office

3-R Property Sales Agreement

Attached are two copies of the 3-R Sales Agreement and of a Quitclaim Deed to be signed by ARCO. The documents seem to cover the necessities very neatly; I am sending a copy of each to Jim Woods for his comment.

Jim Sell asked me to review and forward these documents since he is in the field.

If all is proper, please sign and notarize and return.

JRS:mek



J. R. Stringham

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

ANACONDA Minerals Company  
555 Seventeenth Street  
Denver, Colorado 80202  
Telephone 303 293 4000



November 4, 1985

Mr. James D. Sell  
ASARCO, Inc.  
P. O. Box 5747  
Tucson, AZ 85703

Re: 3-R Property, Santa Cruz County, Arizona

Dear Mr. Sell:

Please find enclosed two copies of the 3-R Sales Agreement for your review and execution. I would like to request that you complete Exhibit 1 to the property and attach the same. Please call me if you have any questions at (303) 293-4541.

Best Regards,

Mike Brotzman  
Senior Managing Landman

MB:tmm (303) 293-4541

Attachments

Ben Livingston DAT-613  
Administrator

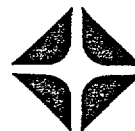
Name on check?!  
ARCO  
Atlantic Richfield Co.  
Anaconda Minerals Co.

Mail to?

ASARCO Incorporated

NOV 6 1985

SW Exploration



November 1, 1985

Mr. James D. Sell  
ASARCO Incorporated  
P. O. Box 5747  
Tucson, Arizona 85703

RE: 3-R Joint Venture  
Santa Cruz County, Arizona

Dear Mr. Sell:

This letter represents the agreement between Atlantic Richfield Company, a Delaware Corporation ("ARCO"), acting through its Division, Anaconda Minerals Company, and ASARCO Incorporated, a New Jersey corporation ("ASARCO"), concerning the purchase and sale of certain patented and unpatented lode mining claims located in Santa Cruz County, Arizona, particularly described in the attached Exhibit 1 ("Property").

1. Purchase and Sale. ASARCO agrees to purchase from ARCO and ARCO agrees to sell and assign to ASARCO all of ARCO's right, title and interest in and to the Property for a total Purchase Price of \$1,000.00. The Purchase Price is to be paid by certified funds at Closing.

2. Closing. The Closing shall be held at a mutually agreeable time and place on or before November 21, 1985. At the Closing ARCO shall deliver to ASARCO a Quitclaim Deed which assigns and conveys to ASARCO all of ARCO's right, title and interest in and to the Property. An exact copy of the Quitclaim Deed is attached hereto as Exhibit A ("Deed"). At the Closing ASARCO shall deliver to ARCO certified funds in the amount of \$1,000.00. At Closing, ARCO shall also provide to ASARCO all geologic, geochemical and geophysical data pertaining to the Property, and all files containing correspondence and documents pertaining to the Property. At Closing, ARCO shall deliver possession of the Property to ASARCO.

3. Finders. Neither ASARCO nor ARCO has engaged or employed any broker or finder in connection with the negotiation, execution and delivery of this agreement, and no broker's or finders fee or commission is due with respect thereto.

4. Further Assurances. Either party, at the request of the other, shall execute and deliver to the other any instruments, agreements, documents,



permits or applications, or any other papers reasonably required by the requesting party, and shall do such other acts as may be reasonably requested by the other, all to effect the purposes of this agreement.

5. Warranties and Indemnifications. ARCO makes no representations or warranties as to the status or quality of title to the Property or to the completeness, accuracy, reliability, reproducibility, merchantability, or fitness for a particular purpose of the data and information. ASARCO shall use the data and information it receives hereunder at its sole risk. ASARCO acknowledges that ASARCO or ASARCO's representatives have inspected the Property and are fully aware of the existence of hazardous and dangerous conditions and structures on and in the Property. ASARCO is aware that the Property has been used for mining purposes and may contain hazardous and dangerous conditions and structures not visible or ascertainable in a surface inspection. ASARCO accepts the Property in its current condition "as is," and without any warranty from ARCO as to the condition of the Property. ARCO HAS MADE NO REPRESENTATIONS FOR WARRANTY WITH RESPECT TO THE CONDITION OR SUITABILITY OF ANY STRUCTURES, FIXTURES, OR TANGIBLE PERSONAL PROPERTY INCLUDED IN THE PROPERTY AND ASARCO IS ACQUIRING SUCH PROPERTY WITHOUT WARRANTY OF ANY KIND, EXPRESSLY INCLUDING ANY IMPLIED WARRANTIES AS TO MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. ASARCO agrees to indemnify ARCO and hold ARCO harmless from all claims, demands, damages, and liabilities, whenever occurring, arising or resulting from the condition of the Property or the use of occupancy by ASARCO, its successors and assigns of the Property.

6. Inurement. All of the terms and conditions of this agreement shall run with the land and shall inure to the benefit of and be binding upon the parties hereto, their respective personal representatives, heirs, successors and assigns.

7. Notices. Any notice required or permitted to be given hereunder shall be in writing and, except as specifically provided herein, shall be deemed properly given upon delivering the same personally to the party to be notified, or upon mailing such notice, by registered or certified mail, return receipt requested, to the party to be notified at its address hereinafter set forth, or such other address within the United States of America as the party to be notified may have designated prior thereto by written notice to the other.

ASARCO:

ASARCO  
Attn: Mr. James Sell  
P. O. Box 5747  
Tucson, Arizona 85703

ARCO:

Anaconda Minerals Company  
Division of Atlantic Richfield Company  
555 Seventeenth Street  
Denver, Colorado 80202  
Attention: Minerals Divestiture

8. Entire Agreement. This writing sets forth the entire agreement and understanding between the parties, there being no oral agreements, promises or representations which are or may be incidental or supplementary to the provisions hereof. No change in, addition to, or waiver of any of the provisions of this agreement shall be binding upon the parties hereto unless made in writing and signed by an authorized representative of the party to be bound. No waiver by any party of a breach of any of the provisions of this agreement shall be construed as a waiver of any subsequent breach, whether of the same or of a different character.

ASARCO Incorporated

ATLANTIC RICHFIELD COMPANY

BY: \_\_\_\_\_

Title: - \_\_\_\_\_

BY: \_\_\_\_\_

Senior Vice President  
Anaconda Minerals Company  
Division of Atlantic Richfield Company

Attachments: A, 1

**EXHIBIT A**  
**QUITCLAIM DEED**

THIS DEED is made effective as of the \_\_\_\_ day of \_\_\_\_\_, 1985 between ATLANTIC RICHFIELD COMPANY ("Grantor"), a Delaware corporation, 555 Seventeenth Street, Denver, Colorado 80202, and ASARCO Incorporated, a New Jersey corporation, P. O. Box 5747, Tucson, Arizona 85703 ("ASARCO"), ("Grantee").

**WITNESSETH**

Grantor, for and in consideration of Ten Dollars and other valuable consideration, paid by Grantee to Grantor, the receipt and sufficiency of which is hereby acknowledged, has remised, released, sold, conveyed, and QUITCLAIMED and hereby remises, releases, sells, conveys, and QUITCLAIMS to Grantee, their heirs and assigns forever, all right, title, interest, claim, and demand of Grantor in and to following described property: The patented and unpatented mining claims located in Santra Cruz County, Arizona, more particularly described in Exhibit I hereto.

Together with all and singular the tenements, hereditaments, and appurtenances thereunto belonging or in anywise appertaining, the reversion and reversions, remainder and remainders, rents, issues, and profits thereof, and all estate, right, title, and interest in and to the said Property, as well in law as in equity, of Grantor.

Grantor represents that it is not aware of any pending, anticipated or existing litigation concerning or affecting the property. Otherwise, ARCO makes no representations or warranties as to the status or quality of title to the property. Grantee acknowledges that they have inspected the Property and are fully aware of the existence of hazardous and dangerous conditions and structures on and in the Property. Grantee is aware that the Property has been used for mining purposes and may contain hazardous and dangerous conditions and structures not visible or ascertainable in a surface inspection. Grantee accepts the Property in its current condition, "as is", and without any warranty from Grantor as to the condition of the Property. GRANTOR HAS MADE NO REPRESENTATIONS OR WARRANTY WITH RESPECT TO THE CONDITION OR SUITABILITY OF ANY STRUCTURES, FIXTURES, OR TANGIBLE PERSONAL PROPERTY INCLUDED IN THE PROPERTY AND GRANTEE IS ACQUIRING SUCH PROPERTY WITHOUT WARRANTY OF ANY KIND, EXPRESSLY INCLUDING ANY IMPLIED WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Grantee agrees to indemnify Grantor and hold Grantor harmless from all claims, demands, damages, and liabilities, wherever occurring, arising or resulting from the condition of the Property or the use or occupancy by Grantee, their heirs, and assigns of the Property.

IN WITNESS WHEREOF, Grantor and Grantee executed this Deed effective as of the date first above written.

GRANTEE:

ASARCO Incorporated

GRANTOR:

ATLANTIC RICHFIELD COMPANY,  
through Anaconda Minerals Company, A  
Division of Atlantic Richfield Company

BY: \_\_\_\_\_

\_\_\_\_\_  
Title:

BY: \_\_\_\_\_

Senior Vice President  
Anaconda Minerals Company  
Division of Atlantic Richfield Company

STATE OF COLORADO )  
CITY AND ) ss.  
COUNTY OF DENVER )

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of 1985, before me \_\_\_\_\_, a Notary Public of said State, duly commissioned and sworn, personally appeared \_\_\_\_\_, known to me to be the person who executed the within instrument on behalf of the corporation therein named and acknowledged to me that such corporation executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(SEAL)

\_\_\_\_\_  
Notary Public  
Residing at \_\_\_\_\_  
\_\_\_\_\_

My commission expires:

\_\_\_\_\_

STATE OF )  
 ) ss.  
COUNTY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, in the year of 1985, before me \_\_\_\_\_, a Notary Public of said State, duly commissioned and sworn, personally appeared \_\_\_\_\_, known to me to be the person who executed the within instrument and acknowledged to me that he executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.

(SEAL)

\_\_\_\_\_  
Notary Public  
Residing at \_\_\_\_\_  
\_\_\_\_\_

My commission expires:

\_\_\_\_\_

November 13, 1985

To: J. D. Sell

From: F. R. Koutz

Geophysical Work  
3-R Canyon  
3-R Project  
Santa Cruz County, AZ

Dudley Emer, Chief Geophysicist of Zonge Engineering and Research Organization, stopped by prospecting for work. Zonge will be coming out of Chapter 11 bankruptcy within the next month or so. Dr. Emer dropped off some SP-work done last year in 3-R Canyon and over the 3-R Mine which shows a very strong SP anomaly over what is essentially the high-pyrite old 3-R workings. The anomaly extends to the south toward the European Mine. The anomaly models out as a horizontal cylinder oriented N-S  $\pm 20^\circ$  at 700-1000 feet depth. This work was with Dr. Chuck Corey, Associate Professor of Geophysics at Texas A&M, now at UM at Rolla, and Barbara Baird who was looking for a thesis area.

This area (on the Pierce option) has been extensively drilled by Asarco, Anaconda, Magma, etc. over the years. The data provides no new or untested drill targets. Dr. Emer mentioned that Zonge had done some work this year for Paul Conley who holds a number of claims at the mouth of 3-R Canyon and from time-to-time operates a small gold placer operation to attract investors.

FRK:mek  
Att.



F. R. Koutz

# CUMERO CANYON QUADRANGLE

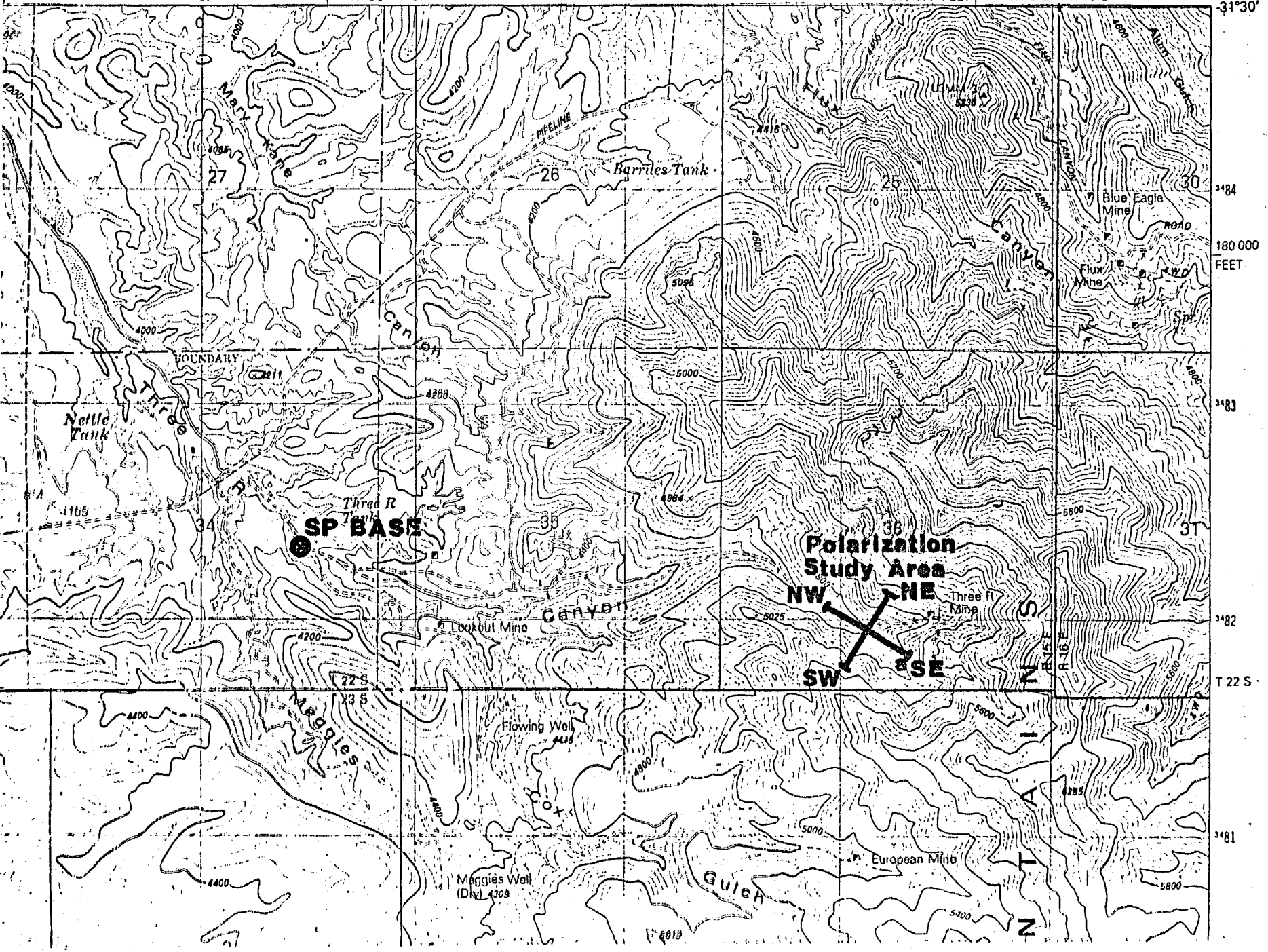
ARIZONA-SANTA CRUZ CO.

7.5 MINUTE SERIES (TOPOGRAPHIC)

NE/4 NOGALES 15' QUADRANGLE

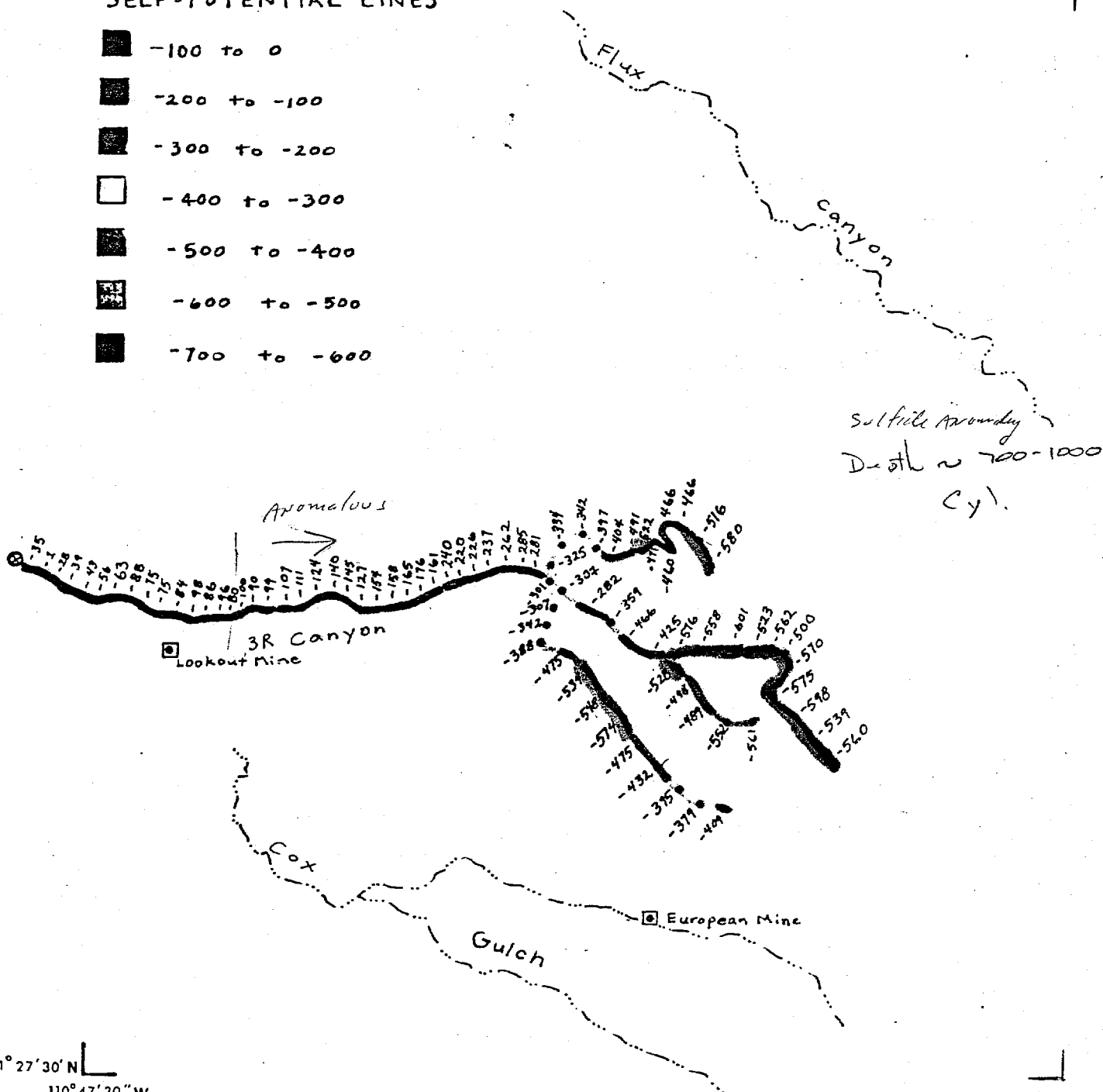
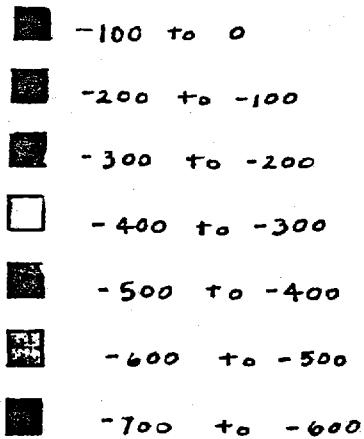
380 11 SW  
(MT. HUGHES)

PATAGONIA 4.4 MI.    19    47'30"    20    21    22    860 000 FEET    R 15 E    R 16 E    110°45'



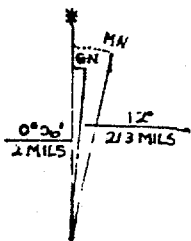
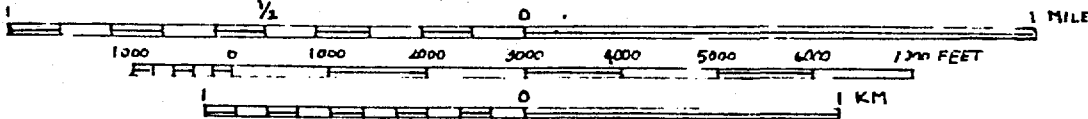
110°47'30" W  
31°30'0" N

SELF-POTENTIAL LINES



31°27'30" N  
110°47'30" W

SCALE 1:24,000



LEGEND

- ⊗ Survey Base arbitrarily taken to be zero
- Roving Pot location for each station
- Mine location
- Intermittent Stream

SP Field Survey taken in Santa Cruz Co., Ariz. 3R Canyon during 12/89 Cumero Canyon Quadrangle D. Emer, C. Corry, and B. Baird

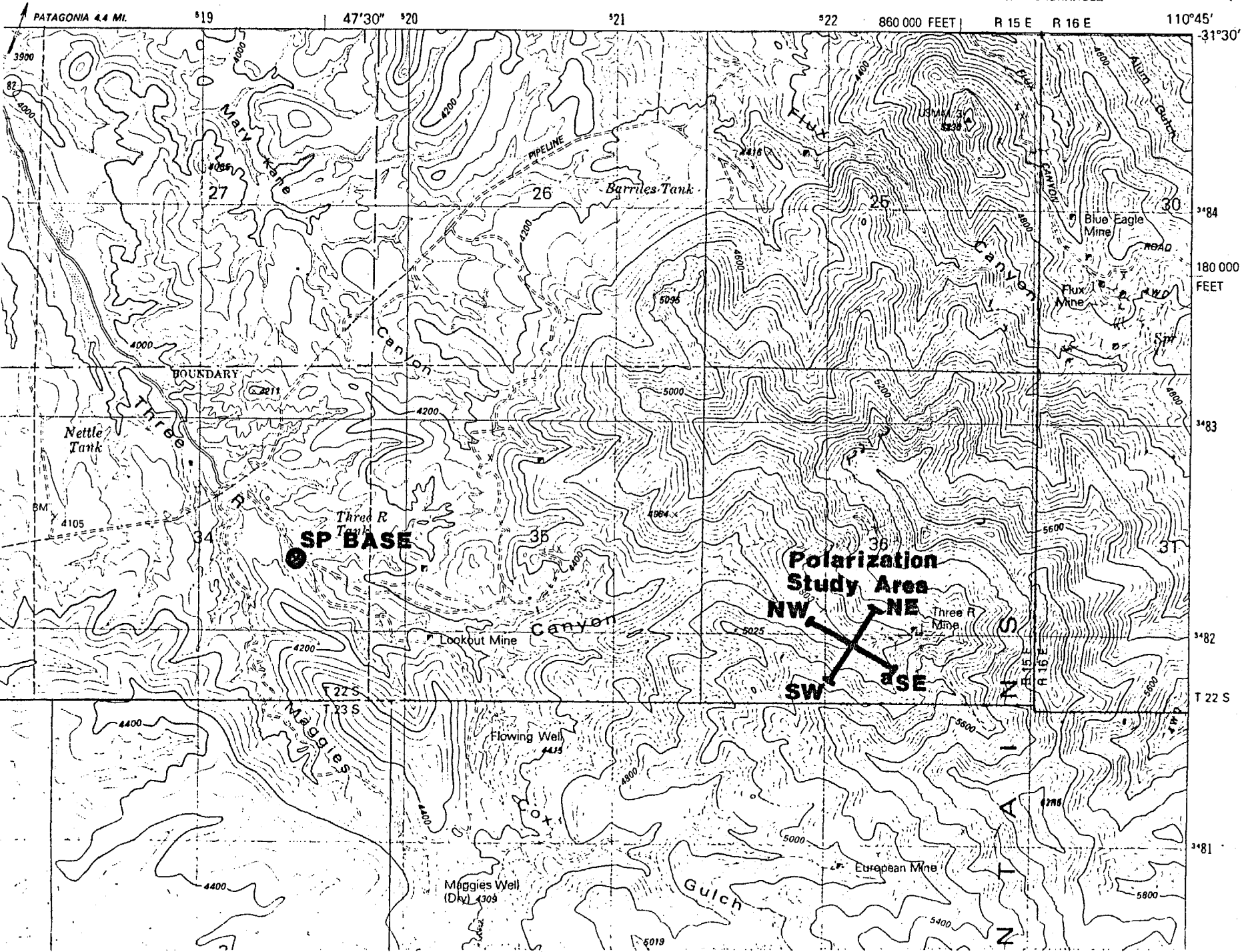




CUMERO CANYON QUADRANGLE  
ARIZONA-SANTA CRUZ CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

NE/4 NOGALES 15' QUADRANGLE

3807 II SW  
(MT. HUGHES)



# ASARCO

Southwestern Exploration Division

January 2, 1986

R. L. Brown  
New York Office

3-R Joint Venture  
Santa Cruz County, AZ

As you requested in your letter of November 22, 1985, enclosed is a fully executed copy of the 3-R property sales agreement between ARCO and Asarco.

JRS:mek  
enc.

  
J. R. Stringham

cc: H. E. Kelshaw (w/enc.)  
J. D. Sell

*the data from within?*

ANACONDA Minerals Company  
555 Seventeenth Street  
Denver, Colorado 80202  
Telephone 303 293 4000



ASARCO Incorporated

DEC 23 1985

SW Exploration

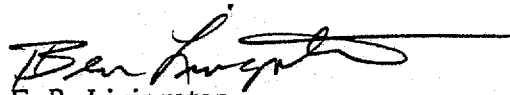
December 17, 1985

Mr. J. R. Stringham  
ASARCO, Incorporated  
P. O. Box 5147  
Tucson, AZ 85703-0747

Dear Mr. Stringham:

You will find attached a fully executed copy of the 3-R  
Property sales agreement.

Yours truly,

  
F. B. Livingston  
Administrator

FBL:ch

Enc.

cc: M. L. Love (w/executed copy)

ANACONDA Minerals Company  
555 Seventeenth Street  
Denver, Colorado 80202  
Telephone 303 293 4000

ASARCO Incorporated

DEC 23 1985



SW Exploration

November 1, 1985

Mr. James D. Sell  
ASARCO Incorporated  
P. O. Box 5747  
Tucson, Arizona 85703

RE: 3-R Joint Venture  
Santa Cruz County, Arizona

Dear Mr. Sell:

This letter represents the agreement between Atlantic Richfield Company, a Delaware Corporation ("ARCO"), acting through its Division, Anaconda Minerals Company, and ASARCO Incorporated, a New Jersey corporation ("ASARCO"), concerning the purchase and sale of certain patented and unpatented lode mining claims located in Santa Cruz County, Arizona, particularly described in the attached Exhibit I ("Property").

1. Purchase and Sale. ASARCO agrees to purchase from ARCO and ARCO agrees to sell and assign to ASARCO all of ARCO's right, title and interest in and to the Property for a total Purchase Price of \$1,000.00. The Purchase Price is to be paid by certified funds at Closing.

2. Closing. The Closing shall be held at a mutually agreeable time and place on or before November 21, 1985. At the Closing ARCO shall deliver to ASARCO a Quitclaim Deed which assigns and conveys to ASARCO all of ARCO's right, title and interest in and to the Property. An exact copy of the Quitclaim Deed is attached hereto as Exhibit A ("Deed"). At the Closing ASARCO shall deliver to ARCO certified funds in the amount of \$1,000.00. At Closing, ARCO shall also provide to ASARCO all geologic, geochemical and geophysical data pertaining to the Property, and all files containing correspondence and documents pertaining to the Property. At Closing, ARCO shall deliver possession of the Property to ASARCO.

3. Finders. Neither ASARCO nor ARCO has engaged or employed any broker or finder in connection with the negotiation, execution and delivery of this agreement, and no broker's or finders fee or commission is due with respect thereto.

4. Further Assurances. Either party, at the request of the other, shall execute and deliver to the other any instruments, agreements, documents,

permits or applications, or any other papers reasonably required by the requesting party, and shall do such other acts as may be reasonably requested by the other, all to effect the purposes of this agreement.

5. Warranties and Indemnifications. ARCO makes no representations or warranties as to the status or quality of title to the Property or to the completeness, accuracy, reliability, reproducibility, merchantability, or fitness for a particular purpose of the data and information. ASARCO shall use the data and information it receives hereunder at its sole risk. ASARCO acknowledges that ASARCO or ASARCO's representatives have inspected the Property and are fully aware of the existence of hazardous and dangerous conditions and structures on and in the Property. ASARCO is aware that the Property has been used for mining purposes and may contain hazardous and dangerous conditions and structures not visible or ascertainable in a surface inspection. ASARCO accepts the Property in its current condition "as is," and without any warranty from ARCO as to the condition of the Property. ARCO HAS MADE NO REPRESENTATIONS FOR WARRANTY WITH RESPECT TO THE CONDITION OR SUITABILITY OF ANY STRUCTURES, FIXTURES, OR TANGIBLE PERSONAL PROPERTY INCLUDED IN THE PROPERTY AND ASARCO IS ACQUIRING SUCH PROPERTY WITHOUT WARRANTY OF ANY KIND, EXPRESSLY INCLUDING ANY IMPLIED WARRANTIES AS TO MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. ASARCO agrees to indemnify ARCO and hold ARCO harmless from all claims, demands, damages, and liabilities, whenever occurring, arising or resulting from the condition of the Property or the use of occupancy by ASARCO, its successors and assigns of the Property.

6. Inurement. All of the terms and conditions of this agreement shall run with the land and shall inure to the benefit of and be binding upon the parties hereto, their respective personal representatives, heirs, successors and assigns.

7. Notices. Any notice required or permitted to be given hereunder shall be in writing and, except as specifically provided herein, shall be deemed properly given upon delivering the same personally to the party to be notified, or upon mailing such notice, by registered or certified mail, return receipt requested, to the party to be notified at its address hereinafter set forth, or such other address within the United States of America as the party to be notified may have designated prior thereto by written notice to the other.

ASARCO:

ASARCO  
Attn: Mr. James Sell  
P. O. Box 5747  
Tucson, Arizona 85703

ARCO:

Anaconda Minerals Company  
Division of Atlantic Richfield Company  
555 Seventeenth Street  
Denver, Colorado 80202  
Attention: Minerals Divestiture

8. Entire Agreement. This writing sets forth the entire agreement and understanding between the parties, there being no oral agreements, promises or representations which are or may be incidental or supplementary to the provisions hereof. No change in, addition to, or waiver of any of the provisions of this agreement shall be binding upon the parties hereto unless made in writing and signed by an authorized representative of the party to be bound. No waiver by any party of a breach of any of the provisions of this agreement shall be construed as a waiver of any subsequent breach, whether of the same or of a different character.

ASARCO Incorporated

ATLANTIC RICHFIELD COMPANY

BY: *Ch Brown*  
VICE PRESIDENT  
Title: -  
\_\_\_\_\_

BY: *Miss L. Palant*  
Senior Vice President  
Anaconda Minerals Company  
Division of Atlantic Richfield Company

Attachments: A, 1

EXHIBIT A  
QUITCLAIM DEED

THIS DEED is made effective as of the 16<sup>th</sup> day of December, 1985 between ATLANTIC RICHFIELD COMPANY ("Grantor"), a Delaware corporation, 555 Seventeenth Street, Denver, Colorado 80202, and ASARCO Incorporated, a New Jersey corporation, P. O. Box 5747, Tucson, Arizona 85703 ("ASARCO"), ("Grantee").

WITNESSETH

Grantor, for and in consideration of Ten Dollars and other valuable consideration, paid by Grantee to Grantor, the receipt and sufficiency of which is hereby acknowledged, has remised, released, sold, conveyed, and QUITCLAIMED and hereby remises, releases, sells, conveys, and QUITCLAIMS to Grantee, their heirs and assigns forever, all right, title, interest, claim, and demand of Grantor in and to following described property: The patented and unpatented mining claims located in Santra Cruz County, Arizona, more particularly described in Exhibit 1 hereto.

Together with all and singular the tenements, hereditaments, and appurtenances thereunto belonging or in anywise appertaining, the reversion and reversions, remainder and remainders, rents, issues, and profits thereof, and all estate, right, title, and interest in and to the said Property, as well in law as in equity, of Grantor.

Grantor represents that it is not aware of any pending, anticipated or existing litigation concerning or affecting the property. Otherwise, ARCO makes no representations or warranties as to the status or quality of title to the property. Grantee acknowledges that they have inspected the Property and are fully aware of the existence of hazardous and dangerous conditions and structures on and in the Property. Grantee is aware that the Property has been used for mining purposes and may contain hazardous and dangerous conditions and structures not visible or ascertainable in a surface inspection. Grantee accepts the Property in its current condition, "as is", and without any warranty from Grantor as to the condition of the Property. GRANTOR HAS MADE NO REPRESENTATIONS OR WARRANTY WITH RESPECT TO THE CONDITION OR SUITABILITY OF ANY STRUCTURES, FIXTURES, OR TANGIBLE PERSONAL PROPERTY INCLUDED IN THE PROPERTY AND GRANTEE IS ACQUIRING SUCH PROPERTY WITHOUT WARRANTY OF ANY KIND, EXPRESSLY INCLUDING ANY IMPLIED WARRANTIES AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Grantee agrees to indemnify Grantor and hold Grantor harmless from all claims, demands, damages, and liabilities, wherever occurring, arising or resulting from the condition of the Property or the use or occupancy by Grantee, their heirs, and assigns of the Property.

IN WITNESS WHEREOF, Grantor and Grantee executed this Deed effective as of the date first above written.

GRANTEE:

ASARCO Incorporated

BY: 

Title: Vice President

GRANTOR:

ATLANTIC RICHFIELD COMPANY,  
through Anaconda Minerals Company, A  
Division of Atlantic Richfield Company

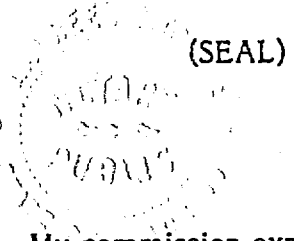
BY: 

Senior Vice President  
Anaconda Minerals Company  
Division of Atlantic Richfield Company

STATE OF COLORADO )  
CITY AND ) ss.  
COUNTY OF DENVER )

On this 18<sup>th</sup> day of December, in the year of 1985, before me Maureen Monroe, a Notary Public of said State, duly commissioned and sworn, personally appeared Miss L. Polasek, known to me to be the person who executed the within instrument on behalf of the corporation therein named and acknowledged to me that such corporation executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.



(SEAL)

My commission expires: \_\_\_\_\_

Maureen Monroe

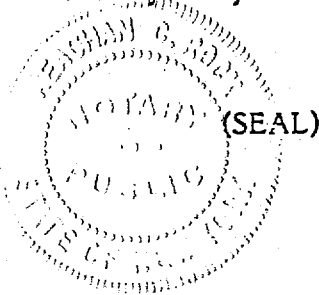
Notary Public  
Residing at \_\_\_\_\_

MAUREEN MONROE  
555 17th Street  
Denver, Colorado 80202  
My commission expires May 3, 1986

STATE OF N.Y. )  
COUNTY OF N.Y. ) ss.

On this 8<sup>th</sup> day of November, in the year of 1985, before me Meaghan C. Rock, a Notary Public of said State, duly commissioned and sworn, personally appeared A. L. Brown, known to me to be the person who executed the within instrument and acknowledged to me that he executed the same.

In witness whereof, I have hereunto set my hand and affixed my official seal the day and year in this certificate first above written.



(SEAL)

My commission expires: \_\_\_\_\_

3/30/86

Meaghan C. Rock  
Notary Public  
Residing at \_\_\_\_\_

MEAGHAN C. ROCK  
Notary Public, State of New York  
No. 26-4812487  
Qualified in Orange County  
Certified in New York County  
Commission expires March 30, 1986



June 20, 1986

To: W. D. Gay

From: J. D. Sell

File Assessment Work  
Year Ending Sept. 1, 1986

The following SWED Projects have had the necessary funds expended in geologic studies and evaluation. Please file the assessment work records to the proper authorities. The blanks in the following paragraph are given below for the projects:

...; that between September 1, 1985 and \_\_\_\_\_, 1986, in excess of \$ \_\_\_\_\_ worth of geologic studies, evaluation, and improvements were done and performed for the benefit of the described claims. The studies, evaluation, and improvements were performed by \_\_\_\_\_, ASARCO Incorporated, Tucson, AZ. ...

1. Three R Project, AZ  
June 15, 1986  
\$4,900  
F.R. Koutz, T. Dalla Vista, and J.D. Sell
2. Trench Project, AZ (~~part of 3-R~~) *encl. Trench (Humboldt-Mendoza)*  
June 15, 1986  
\$700  
F.R. Koutz, T. Dalla Vista, and J.D. Sell  
*Separate*
3. Brown's Ranch Project, CA  
June 1, 1986  
\$7,000  
F.R. Koutz, T. Dalla Vista, H.G. Kreis
4. Cady Project, CA  
March 1, 1986  
\$4,600  
H.G. Kreis, F.R. Koutz, T. Dalla Vista
5. Castle Project, CA  
February 1, 1986  
\$2,000  
F.R. Koutz, and T. Dalla Vista

Please double check that the expenditure figure is the claim number figure times \$100.

JDS:mek

*James D. Sell*  
James D. Sell

cc: W. L. Kurtz

# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

June 25, 1986

Ms. Mary Lou G. Sainz  
Santa Cruz County Recorder  
P.O. Box 1150  
Nogales, Arizona 85621

Affidavits of Labor  
Santa Cruz County

Dear Ms. Sainz:

Enclosed is Asarco's check of \$10.00 as the recording fee for the following Affidavits of Labor which are attached:

<u>Claims</u>	<u>Owner</u>	<u>Project</u>
Boot-Flux (49)	Asarco/Anaconda	3-R
Humbolt (7)	Asarco	Trench

Please return in the enclosed stamped envelope.

Very truly yours,

/s/

William D. Gay  
Land Engineer

WDG:mke  
encs.

cc: J. D. Sell  
A. J. Robles

WDS  
Assessment work — if and  
when we decide to do it  
will require a lot of field  
work to quality. Most things  
Route lists are really not good  
qualifying assessment work

ASARCO Incorporated P. O. Box 5747 Tucson, Az 85703-0747  
1150 North 7th Avenue (602) 792-3010

AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

STATE OF ARIZONA    )  
                          ) ss  
County of Pima        )

William D. Gay, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age, and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are as follows:

<u>NAME OF CLAIM</u>	<u>RECORDING</u>		<u>BLM</u>
	<u>BOOK</u>	<u>PAGE</u>	<u>SERIAL NO.</u>
Boot No. 36	41	139	A MC 52011
Boot 52 thru 61	58	421 thru 430	52015 thru 52024
Boot 70	57	316	52025
Boot 72	57	318	52027
Boot 77	57	323	52032
Boot 78	57	324	52033
Boot 78 Amended	58	431	"
Boot 79	57	325	52034
Boot 80	57	326	52035
Boot 80 Amended	69	432	"
Boot 81 thru 84	57	327 thru 330	52036 thru 52039
Boot 90 thru 95	81	349 thru 354	52044 thru 52049
Boot 97 thru 106	81	355 thru 364	52050 thru 52059

Flux No. 1 (Flux Mine)	3	312 and 313	52060
Flux No. 2	1	258 thru 260	52061
Flux No. 2 Amended	3	314 and 315	"
Flux No. 3	2	14 and 15	A MC 52062
Flux No. 3 Amended	3	315 thru 317	"
Flux No. 4	3	318 and 319	52063
Flux No. 5 (Mexicano)	2	15	52064
Flux No. 5 Amended	3	319 thru 321	"
Flux No. 11	16	284 and 285	52065
Flux No. 11 Amended	16	314	"
Flux No. 15	16	285 and 286	52066
Flux No. 16	16	280 and 281	52067
Flux No. 18	16	282 and 283	52068
Flux No. 23	26	330	52069
Flux No. 25	26	375	52070
Rockney	24	100	52071

All of said claims are located in Sections 24, 25, and 36, T22S, R15E; Sections 30 and 31, T22S, R16E; and Section 6, T23S, R16E, G&SRB&M.

That all of said mining claims are owned by ASARCO Incorporated and Anaconda Minerals Company, the mailing address for which is P.O. Box 5747, Tucson, Arizona 85703; that between September 1, 1985 and June 15, 1986, in excess of \$4,900 worth of geologic studies, evaluation, and improvements were done and performed for the benefit of the described claims. The studies, evaluation, and improvements were performed by F.R. Koutz, T. Dalla Vista, and J.D. Sell, ASARCO Incorporated, Tucson, Arizona.

Said labor was performed and improvements made at the expense of ASARCO Incorporated for the benefit of each and all of said mining claims comprising said contiguous groups as part of a general plan of exploration, improvements and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the



AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

STATE OF ARIZONA    )  
                          ) ss  
County of Pima        )

William D. Gay, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age, and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Harshaw Mining District, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are as follows:

<u>NAME OF CLAIM</u>	<u>RECORDING DATA</u>		<u>BLM SERIAL NO.</u>
	<u>BOOK</u>	<u>PAGE</u>	
South Humbolt	007	360	A MC 50226
" " Amended	380	682 and 683	" "
Humbolt	007	358	A MC 50227
" Amended	380	684 and 685	" "
Silver Leaf	007	364	A MC 50228
" " Amended	380	686 and 687	" "
Good Luck #2	007	366	A MC 50229
" " " Amended	380	688 and 689	" "
Indian Chief	007	368	A MC 50230
" " Amended	380	690 and 691	" "
Monoca	007	362	A MC 50231
" Amended	380	692 and 693	" "
Good Luck	4	300	A MC 50232
" " Amended	382	575 and 576	" "

The above described unpatented lode mining claims are located in Section 32 of Township 22 South, Range 16 East, and Section 5 of Township 23 South, Range 16 East, G&SRB&M.



JDS

7/2

These affidavits  
were returned because  
fee had been  
increased - see  
letter of June 25 with  
copies of affidavits.

Mary



# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

July 1, 1986

Ms. Mary Lou G. Sainz  
Santa Cruz County Recorder  
P.O. Box 1150  
Nogales, Arizona 85621

Affidavits of Labor  
Santa Cruz County

Dear Ms. Sainz:

Enclosed is Asarco's check of \$24.00 as the recording fee for the following Affidavits of Labor which are attached:

<u>Claims</u>	<u>Owner</u>	<u>Project</u>
Boot-Flux (49)	Asarco/Anaconda	3-R
Humbolt (7)	Asarco	Trench

Please return in the enclosed stamped envelope.

Very truly yours,

/s/

William D. Gay  
Land Engineer

WDG:mek  
encs.

cc: J.D. Sell  
A.J. Robles

# ASARCO

Exploration Department  
Southwestern United States Division

Certified Mail  
Return Receipt

July 10, 1986

Mr. Dean Bibbes  
State Director  
Bureau of Land Management  
U.S. Dept. of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

Mining Claim Annual Recordation  
Boot & Flux Group (49)  
Santa Cruz County, AZ  
A MC 52011, 52015 thru 52025,  
52027, 52032 " 52039,  
52044 thru 52071

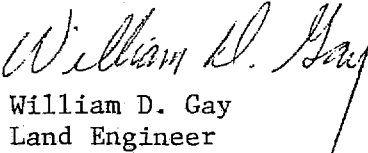
---

Dear Sir:

In accordance with the Federal Land Policy and Management Act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claim serial numbers, as recorded in the Santa Cruz County Recorder's office in Docket 427, Pages 20 thru 22, for the assessment year ending September 1, 1986.

Please return acknowledgement in the enclosed envelope.

Very truly yours,

  
William D. Gay  
Land Engineer

WDG:mek  
enc.

cc: R. L. Brown  
H. E. Kelshaw (w/enc.)  
~~J. D. Sell (w/enc.)~~  
A. J. Robles (w/enc.)



Flux No. 1 (Flux Mine)	3	312 and 313	52060
Flux No. 2	1	258 thru 260	52061
Flux No. 2 Amended	3	314 and 315	"
Flux No. 3	2	14 and 15	A MC 52062
Flux No. 3 Amended	3	315 thru 317	"
Flux No. 4	3	318 and 319	52063
Flux No. 5 (Mexicano)	2	15	52064
Flux No. 5 Amended	3	319 thru 321	"
Flux No. 11	16	284 and 285	52065
Flux No. 11 Amended	16	314	"
Flux No. 15	16	285 and 286	52066
Flux No. 16	16	280 and 281	52067
Flux No. 18	16	282 and 283	52068
Flux No. 23	26	330	52069
Flux No. 25	26	375	52070
Rockney	24	100	52071

All of said claims are located in Sections 24, 25, and 36, T22S, R15E; Sections 30 and 31, T22S, R16E; and Section 6, T23S, R16E, G&SRB&M.

That all of said mining claims are owned by ASARCO Incorporated and Anaconda Minerals Company, the mailing address for which is P.O. Box 5747, Tucson, Arizona 85703; that between September 1, 1985 and June 15, 1986, in excess of \$4,900 worth of geologic studies, evaluation, and improvements were done and performed for the benefit of the described claims. The studies, evaluation, and improvements were performed by F.R. Koutz, T. Dalla Vista, and J.D. Sell, ASARCO Incorporated, Tucson, Arizona.

Said labor was performed and improvements made at the expense of ASARCO Incorporated for the benefit of each and all of said mining claims comprising said contiguous groups as part of a general plan of exploration, improvements and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the



# ASARCO

Exploration Department  
Southwestern United States Division

July 15, 1986

Dr. Gene Gressley  
American Heritage Center  
University of Wyoming  
Laramie, Wyoming 82071

3-R Project

Dear Dr. Gressley:

We have recently been advised that the Anaconda Company donated all their geological records to the American Heritage Center at the University of Wyoming.

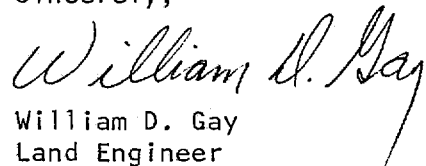
ASARCO, Incorporated is interested in knowing what geologic data you received on a property known as the 3-R Project in Santa Cruz County, Arizona, as we will likely want copies of some or all the geologic data you have.

ASARCO Incorporated and the Anaconda Co. at one time formed a joint venture of the 3-R Project, but Asarco now controls the property.

We would appreciate receiving the complete listing of data on this project when it is available.

Attached is a copy of a letter from Mr. John C. Wilson that prompted our request for information about the 3-R Project from you.

Sincerely,

  
William D. Gay  
Land Engineer

WDG:mek  
Att.

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

**ANACONDA Minerals Company**  
555 Seventeenth Street  
Denver, Colorado 80202  
Telephone 303 293 4000



July 2, 1986

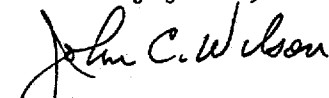
Mr. J. R. Stringham  
Assistant to the Manager, SWED  
ASARCO, Inc.  
P. O. Box 5747  
Tucson, AZ 85703-0747

Dear Mr. Stringham:

In response to your January 3 letter regarding the 3-R Project, please be advised that all of the surviving geological records of the Anaconda Company are being donated to the American Heritage Center at the University of Wyoming.

Please contact them early in 1987 if you have interest in Santa Cruz County, Arizona geological records.

Sincerely yours,

  
John C. Wilson

JCW:ch

Enc./Press Release

cc: Dr. Gene Gressley, American Heritage Center

ASARCO Incorporated

JUL 7 1986

SW Exploration

FOR IMMEDIATE RELEASE



Contact: Nancy Freudenthal  
777-7437.

STATE OF WYOMING  
OFFICE OF THE GOVERNOR  
CHEYENNE 82002

ED HERSCHLER  
GOVERNOR

May 16, 1986

Governor Ed Herschler and Mike R. Bowlin, President of ARCO Coal Company, today joined in announcing that the new American Heritage Center at the University of Wyoming has been chosen to receive and become the permanent custodian for the Anaconda Exploration Archive.

"This is a tremendously important historical resource, and we are very pleased that our efforts to obtain it for the University and the State of Wyoming have been successful," Governor Herschler said. "It would not have happened without the all-out efforts of a large number of people, including the University staff, members of the State Legislature, and the Wyoming Congressional Delegation."

The giant Anaconda Exploration Archive, comprising worldwide geological data developed over more than 100 years, has been the subject of intense competition ever since it became known Anaconda Minerals Company was giving it to the public and a permanent site was being sought. It consists of some 40 tons of material including over two million pages in 1500 drawers. Underground mine maps, many from workings that are no longer accessible, form a significant part



of the 100,000 unpublished maps in the collection. The process of accumulation, sorting, organizing, and inventorying these records took six months, required 14 geologists and the use of two computers.

"We had excellent proposals and keen interest from a number of outstanding institutions to host this collection," said ARCO Coal Company President, Mike R. Bowlin. "But the University of Wyoming was the clear winner based on the level of interest and the commitment demonstrated by the citizens of Wyoming for constructing the American Heritage Center on the University campus. This Center will house the Anaconda collection as well as its other important geological documents. We are especially pleased the University of Wyoming will establish the International Center for Economic Geology Research at the new Center, making it one of the world's leading geological information banks to be used by mining historians, exploration geologists, land use planners and mining scholars for years to come."

ARCO Coal Company is the successor company to Anaconda Minerals Company which ceased operations last year. It operates two coal mines in Campbell County, including the Black Thunder Mine which currently ranks as Wyoming's largest producing coal mine.

Anaconda Exploration Archive

-3-3-3-3-3-

"We're pleased and honored by the decision to provide this gift to the State of Wyoming," said Herschler. "It is of tremendous significance to our State. We commend Anaconda and ARCO for both creating this Archive, making it available as a high quality and useful gift, and for having the good judgment to select Wyoming as its permanent home."

# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

September 4, 1987

Mr. Dean Bibles  
State Director  
Bureau of Land Management  
U.S. Dept. of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

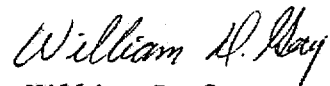
Mining Claim Annual Recordation  
3-R Project  
Boot & Flux Group (49)  
Santa Cruz County, AZ  
BLM Serial Numbers:  
A MC 52011, 52015 thru 52025,  
52027, 52032 " 52039,  
52044 thru 52071

Dear Sir:

In accordance with the Federal Land Policy and Management Act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claim serial numbers, as recorded in the Santa Cruz County Recorder's office in Docket 455, Pages 104 thru 106, for the assessment year ending September 1, 1987.

Please return acknowledgement in the enclosed envelope.

Very truly yours,

  
William D. Gay  
Land Engineer, SWED

WDG:mek  
encs.

cc: R.L. Brown  
W.A. Bennis (w/enc.)  
J.D. Sell (w/enc.)  
C.L. Snow (w/enc.)

AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

STATE OF ARIZONA    )  
                          ) ss  
County of Pima        )

William D. Gay, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age, and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are as follows:

<u>NAME OF CLAIM</u>	<u>RECORDING</u>		<u>BLM</u>
	<u>BOOK</u>	<u>PAGE</u>	<u>SERIAL NO.</u>
Boot No. 36	41	139	A MC 52011
Boot 52 thru 61	58	421 thru 430	52015 thru 52024
Boot 70	57	316	52025
Boot 72	57	318	52027
Boot 77	57	323	52032
Boot 78	57	324	52033
Boot 78 Amended	58	431	"
Boot 79	57	325	52034
Boot 80	57	326	52035
Boot 80 Amended	69	432	"
Boot 81 thru 84	57	327 thru 330	52036 thru 52039
Boot 90 thru 95	81	349 thru 354	52044 thru 52049
Boot 97 thru 106	81	355 thru 364	52050 thru 52059

Flux No. 1 (Flux Mine)	3	312 and 313	52060
Flux No. 2	1	258 thru 260	52061
Flux No. 2 Amended	3	314 and 315	"
Flux No. 3	2	14 and 15	A MC 52062
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Flux No. 23	26	330	52069
Flux No. 25	26	375	52070
Rockney	24	100	52071

All of said claims are located in Sections 24, 25, and 36, T22S, R15E; Sections 30 and 31, T22S, R16E; and Section 6, T23S, R16E, G&SRB&M.

That all of said mining claims are owned by ASARCO Incorporated and Anaconda Minerals Company, the mailing address for which is P.O. Box 5747, Tucson, Arizona 85703; that between September 1, 1986 and July 29, 1987, in excess of \$4,900 worth of work and improvements were done and performed for the benefit of the described claims. Work and improvements consisted of drilling performed by Joy Manufacturing Company, 707 Boyd Blvd., La Porte, Indiana 46350.

Said labor was performed and improvements made at the expense of ASARCO Incorporated for the benefit of each and all of said mining claims comprising said contiguous groups as part of a general plan of exploration, improvements and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the



# ASARCO

New York Office  
Office of the Secretary

Copy to CON 8/20/80

August 13, 1980

RECEIVED

AUG 20 1980

EXPLORATION DEPARTMENT

Mr. R. L. Brown:

The following is an extract from the minutes of the Advisory Committee meeting held July 2, 1980:

Exploration Authorization #0040-05  
Arizona  
Santa Cruz County  
3R Project

The 3R Project is a joint venture with Anaconda which covers a porphyry copper zone located near Asarco's old Trench Mine near Pategonia, Arizona. The Company has interests in a very large block of ground tied up in agreements with various corporations and individuals in this district. Part of the 3R Project area is covered by 21 patented and 11 unpatented mining claims on lease from Mary L. Pierce, and others. The last payment required to complete the purchase of these claims will be \$93,203 due next May, assuming that Anaconda also contributes an equal amount and maintains its 49% interest in the joint venture.

Company geologists recommend that a 3,500' hole be put down to test for extensions of chalcocite mineralization located near the old 3R mine, and also possible extensions of mineralization discovered by the Company in its nearby Ventura Project (Asarco-Noranda joint venture). The cost of this drilling, and the cost of interim option payments to the Pierce family would total \$85,000 and it is recommended that this expenditure be authorized.

There was approved a supplemental exploration authorization of \$85,000 to cover the cost of drilling and interim option payments at the 3R Project, Santa Cruz County, Arizona.

*F. J. Goldthwait*  
F. J. Goldthwait  
Assistant Secretary

FJG:bay

Enc.

cc: F. R. McAllister - w/enc.  
S. P. McCandless - w/enc.  
W. L. Kurtz

# ASARCO

WR

Exploration Department  
Southwestern United States Division

Frederick T. Graybeal  
Manager

June 16, 1980

Mr. R. L. Brown  
Director of Exploration  
ASARCO Incorporated  
New York Office

Supplementary Exploration  
Authorization Request  
Three R Project  
Santa Cruz County, Arizona

Dear Sir:

The Three R project is a joint venture with Anaconda which covers part of the Sunnyside porphyry copper zone at the northern end of the Patagonia Mtns and consists of 107 unpatented and 21 patented claims. Previous drilling has been concentrated in the vicinity of the 3R Mine to test for a chalcocite blanket and near the Sunnyside Mine in Alum Canyon to test for deep hypogene chalcopyrite mineralization. Both areas contain residual potential which may be the subject of future authorization requests.

Of the 3R claims, Asarco is vested with 51% of 96 unpatented claims. The additional 11 unpatented claims and all 21 patented claims are part of the Pierce option which matures May 1, 1981. At that time Asarco will be required to pay \$93,203.00 to purchase a 51% interest in the claims, assuming Anaconda contributes 49% (total purchase of \$182,750). The Pierce group does not impinge on the deep chalcopyrite zone, but covers all of the chalcocite blanket near the 3R Mine and adjoins the Ventura group (joint venture option with Noranda) next to the mineralized breccias.

The Ventura is presently the subject of a deep drilling program, not presently active, to search for deep Cu-Mo mineralization under the breccias. A recently completed hole, V-37, suggests that Cu-Mo-W-U mineralization extends to within 600 feet of the 3R boundary. Further drilling is planned for the Ventura property farther from the 3R ground. To provide a more thorough evaluation of the potential of the 3R ground before a decision is made on the Pierce option, I recommend that a hole, TR-17, located on the attached map, be drilled to a depth of 3,500 ft. Anaconda is interested in such a test, although they would want to see the V-37 core first, which would require Noranda's permission. I think I can obtain the latter locally.

Costs of the program are estimated as follows:

- 1) Air-hammer 1,000 ft and case, 51% of \$15,000 = \$8,000
- 2) Diamond drill 3,000 ft at \$40.00/ft,  
including all supervision, assaying,  
road work 51% of \$120,000 = 61,000

continued...

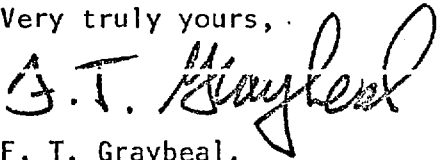


R. L. Brown  
June 16, 1980  
page 2

3) Pierce option payments,	51% of \$18,000 = \$9,000
4) Overrun from 1979	7,000
	<hr/>
Total -	<u>\$85,000</u>

Due to problems involving availability of drills, the air-hammer work has been started in order that assessment work for 1979-1980 can be completed by September 1, 1980. The diamond drilling portion of the proposal was not part of the 1980 budget and will require budget review subsequent to completion of the Trench hole. It also assumes Anaconda will contribute 49% of this cost which I presently believe is a reasonable assumption. Nevertheless, the hole will have to be drilled to completion prior to the May 1, 1981 expiration of the Pierce option and it appears easier to approve all funds at one time with the realization they may not all be spent in 1980. If you approve, please request a SEA for \$85,000. Forms 302-MB and 302-EA are attached.

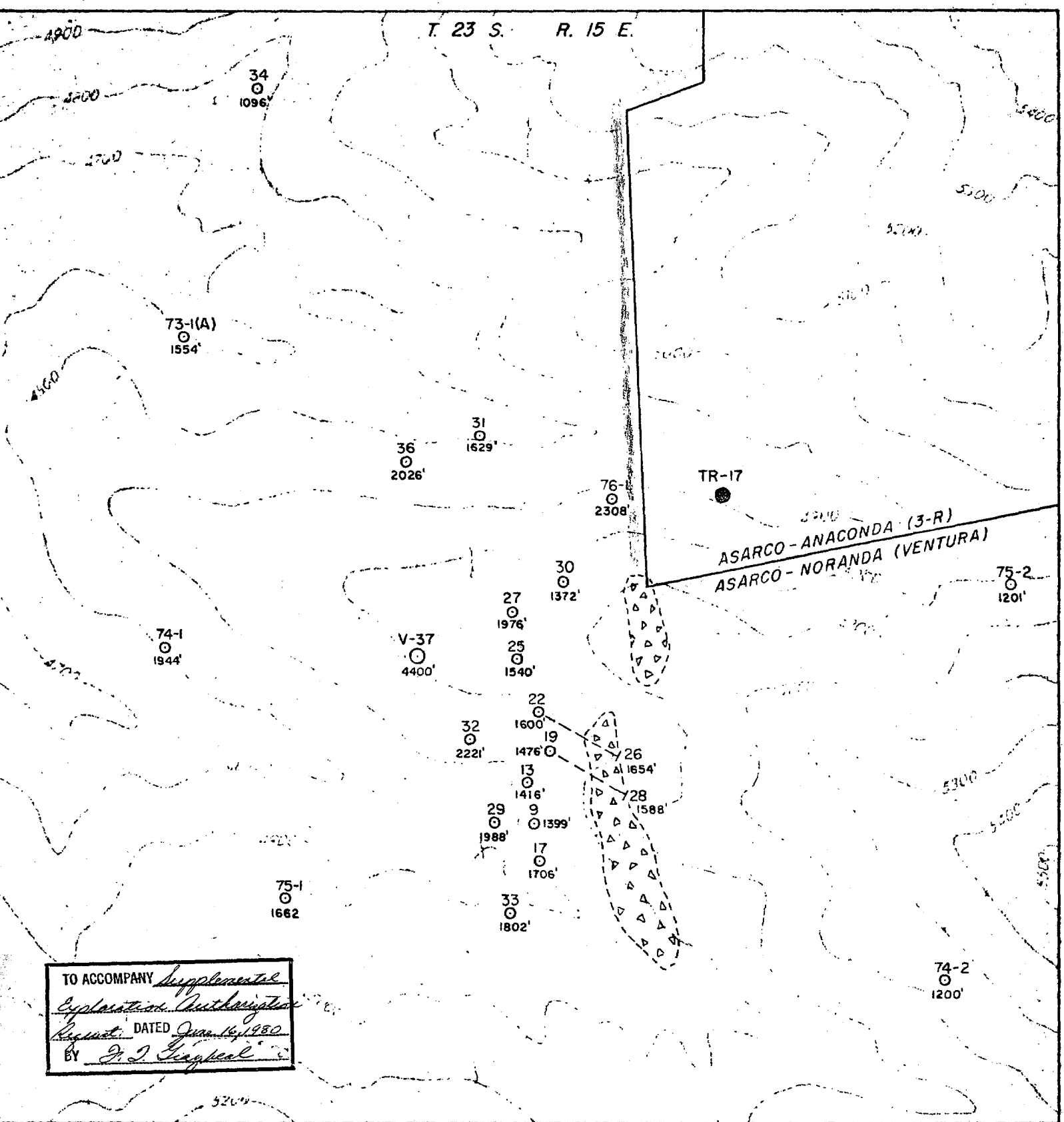
Very truly yours,



F. T. Graybeal.

FTG:jlh  
attachments  
c.c. W.L.Kurtz ✓  
R.B.Crist  
N.P.Whaley  
C.D.Newton

T. 23 S. R. 15 E.



TO ACCOMPANY *Supplemental*  
*Explanation* *Authorized*  
 Request DATED *June 16, 1980*  
 BY *J. J. Graybeal*

**EXPLANATION**

- V-37  
○ 1000' ASARCO Inc. drill hole showing total depth
- 76-1  
○ 2308' Noranda drill hole (V-prefix not shown)
- 36  
○ 2026' West Range drill hole (V-prefix not shown)
- △ △ Ventura breccias, surface expression

NOTE: Unsurveyed area, topography flown for Noranda.

**THREE R PROJECT**  
**Patagonia Mountains**  
**SANTA CRUZ COUNTY, ARIZONA**  
**SCALE: 1" = 400'**

APPLICATION FOR SUPPLEMENTAL EXPLORATION APPROPRIATION

..... June 16 ..... 1980 .. Originating Office ..... Tucson - SWED .....

Application is hereby made for supplemental Appropriation to cover cost, in excess of original estimate, of work authorized by New York.

No. 0040-00 thru 3R (Anaconda) PROJECT  
0040-04 ..... Santa Cruz County, Arizona

Present total Estimated Cost (Form 302-MA attached)	\$ 781,000
Amount previously authorized (date 9/72 thru 1/77)	\$ 696,000
Balance for which Authorization is now requested	\$ 85,000

ADDITIONAL WORK CONTEMPLATED:

- Drill one 4,000' hole.
- Make option payments on Pierce ground.

EXPLANATION OF INCREASED COST:

Drilling results on adjacent Ventura ground justify further drilling.

Reviewed by ..... *Donewt* .....  
ACCT. MGR. OR CHIEF ACCNT.

Recommended by ..... *J.T. Gaylord* .....  
SUPERVISOR

Approved by .....  
CONTROLLER

Account Chargeable to .....  
TO BE FILLED IN BY CONTROLLER

Approved by .....  
VICE PRESIDENT

Approved by Advisory Committee

Approved by Board of Directors

..... 19.....

..... 19.....



April 25, 1988

Mr. R.L. Brown  
Vice President of Exploration  
New York Office

Supplemental Exploration  
Appropriation Request  
Three R Project (EA-0040)  
Santa Cruz County, Arizona

The 3R Project is part of the greater Patagonia area and was last drilled in hole TR-17 in 1980.

Since that time the forty nine (49) Boot and Flux claims of the 3R Project have been held by assessment work which was done off the claim block but for the benefit of the claim block.

It is our intent to continue doing the work on the adjacent Thunder Mountain and/or Ventura Project blocks as we have for the past seven years.

During these past seven years we have accumulated an overrun of some \$5,820 on the project and add to this overrun with assessment filing fees and other miscellaneous holding costs.

Funds are requested in the amount of \$6,500 to clear this overrun account and provide for future filings.

Five copies of Form 302-MB plus index and claim map are attached.

If you agree to this expenditure, please request the Supplemental Exploration Appropriation for the Three R Project.

JDS:mek  
Atts.

  
James D. Sell

cc: W.L. Kurtz  
W.D. Gay  
C.L. Snow (w/Form 302-MB)

APPLICATION FOR SUPPLEMENTAL EXPLORATION APPROPRIATION

April 25, 19 88

Originating Office Tucson, SWED

Application is hereby made for supplemental Appropriation to cover cost, in excess of original estimate, of work authorized by New York.

No. EA-0040 3R Project, Santa Cruz Co., AZ

Present total Estimated Cost (Form 302-MA attached)	\$ 787,500 ...
Amount previously authorized (date 6/16/80) EA-0040-5	\$ 781,000 ...
Balance for which Authorization is now requested	\$ 6,500 ...

ADDITIONAL WORK CONTEMPLATED:

Assessment filing fees and other holding costs for the 49 Boot and Flux Claims of the Three R Project.

EXPLANATION OF INCREASED COST:

Clearing of overrun from the previous seven years.

Reviewed by [Signature] ACC'T. MGR. OR CHIEF ACCNT

Recommended by [Signature] James D. Sell SUPERVISOR

Approved by ..... CONTROLLER

Account Chargeable to ..... TO BE FILLED IN BY CONTROLLER

Approved by ..... VICE PRESIDENT

Approved by Advisory Committee

Approved by Board of Directors

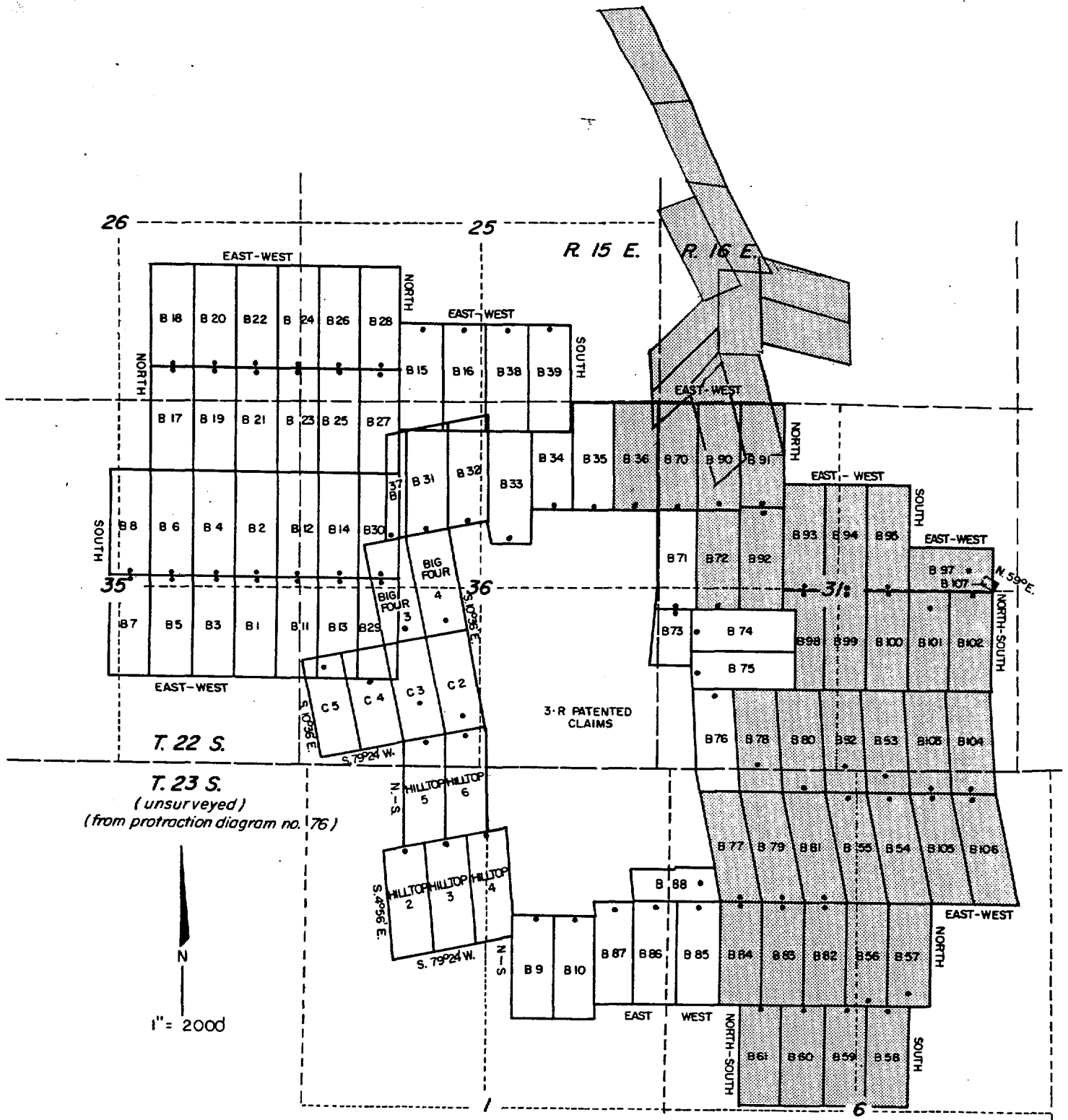
..... 19.....

..... 19.....



**ASARCO Incorporated**  
**INDEX MAP**  
**THREE R PROJECT**  
**SANTA CRUZ CO., ARIZONA**  
**J.D.S. 4-88**





ASARCO Incorporated  
 3-R  
 1"=2000' Harshaw Dist.  
 Santa Cruz Co., Arizona  
 JRS                      mn6157 4/85



# ASARCO

Exploration Department

Frederick T. Graybeal  
Chief Geologist

August 16, 1988

Mr. J. D. Sell  
Tucson Office

3R Project  
Santa Cruz County, Arizona

Dear Mr. Sell:

I attach hereto a copy of Form 302-MB for the 3R Project. Please note that this form has been processed by the Controllers Department and that the approval by Mr. T. C. Osborne is indicated.

Very truly yours,



F. T. Graybeal

FTG:mc  
Att.

cc: E. J. Franko (w/att.)  
W. L. Schoonmaker (w/att.)

cc: C.L. Snow (8/19/88)

ASARCO Incorporated

AUG 19 1988

SW Exploration

APPLICATION FOR SUPPLEMENTAL EXPLORATION APPROPRIATION

April 25, 19 88 Originating Office Tucson, SWED

Application is hereby made for supplemental Appropriation to cover cost, in excess of original estimate, of work authorized by New York.

No. EA-0040 3R Project, Santa Cruz Co., AZ

Present total Estimated Cost (Form 302-MA attached) \$ 787,500
Amount previously authorized (date 6/16/80) EA-0040-5 \$ 781,000
Balance for which Authorization is now requested \$ 6,500

ADDITIONAL WORK CONTEMPLATED:

Assessment filing fees and other holding costs for the 49 Boot and Flux Claims of the Three R Project.

EXPLANATION OF INCREASED COST:

Clearing of overrun from the previous seven years.

Reviewed by [Signature] ACCT. MGR. OR CHIEF ACCT.
Approved by R.J. O'KEEFE CONTROLLER
Account Chargeable to EXPLORATION EXPENSE TO BE FILLED IN BY CONTROLLER

Recommended by [Signature] SUPERVISOR James D. Sell
Approved by [Signature] VICE PRESIDENT

Approved by Advisory Committee [Signature] 19...

Approved by Board of Directors 19...

3-R Aug 31, 1988

\*\*\*ATTENTION\*\*\*

RETAIN THE ATTACHED PHOTOCOPY AS IT IS YOUR OFFICIAL ACKNOWLEDGEMENT OF RECEIPT

In an effort to expedite the acknowledgement procedure, we have time-stamped and photocopied what was submitted to this office. This DOES NOT mean it has been reviewed or processed, only that it was received.

As a reminder, if you have elected to file a notice of intention to hold, do not forget to record such notices of intention to hold for lode and placer claims (not mill or tunnel sites) and all affidavits of labor, amendments and transfers of ownership with the proper county recorder.

Always include the A MC serial numbers assigned to each of your claims when filing affidavits and other documents. For large groups of mining claims, it would help us a great deal to process them if you would list them in serial number order consecutively. Also, please keep us advised as to your current mailing address.

Bureau of Land Management  
Arizona State Office  
Mining Claims Section  
3707 North 7th Street  
Phoenix, Arizona 85014  
Phone: (602) 241-5550

Mailing Address:  
Bureau of Land Management  
Arizona State Office  
Mining Claims Section  
P. O. Box 16563  
Phoenix, Arizona 85011

SARCO Incorporated

NOV 2 1988

SW Exploration

# ASARCO

RECEIVED  
B.L.M. AZ STATE OFFICE

NOV 01 1988

7:45 A.M.  
PHOENIX, ARIZONA

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

October 25, 1988

Mr. Dean Bibles  
State Director  
Bureau of Land Management  
U.S. Department of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

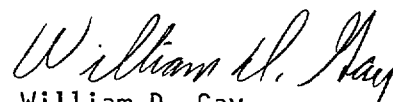
Mining Claim Annual Recordation  
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Boot & Flux Group (49)  
Santa Cruz County, AZ  
BLM Serial Numbers:  
A MC 52011, 52015 thru 52025,  
52027, 52032 " 52039,  
52044 thru 52071

Dear Sir:

In accordance with the Federal Land Policy and Management Act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claim serial numbers, as recorded in the Santa Cruz County Recorder's office in Docket 483, Pages 660 thru 662, for the assessment year ending September 1, 1988.

Please return acknowledgment in the enclosed envelope.

Very truly yours,

  
William D. Gay  
Land Engineer, SWED

WDG:mek  
encs.

cc: R.L. Brown (w/encs.)  
W.A. Bennis (w/encs.)  
J.D. Sell (w/encs.)



Flux No. 1 (Flux Mine)	3	312 and 313	52060
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Flux No. 18	16	282 and 283	52068
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Flux No. 25	26	375	52070
Rockney	24	100	52071

All of said claims are located in Sections 24, 25, and 36, T22S, R15E; Sections 30 and 31, T22S, R16E; and Section 6, T23S, R16E, G&SRB&M.

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RECEIVED  
B.L.M. AZ STATE OFFICE

NOV 01 1988

7:45 A.M.  
PHOENIX, ARIZONA



# ASARCO

Three-R

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

October 17, 1988

Ms. Mary Lou G. Sainz  
Santa Cruz County Recorder  
P.O. Box 1150  
Nogales, Arizona 85628

Affidavits of Labor  
Palmetto & Harshaw  
Mining Districts  
Santa Cruz Co., AZ

Dear Ms. Sainz:

Enclosed is Asarco's check of \$52.00 as the recording fee for the attached four Affidavits of Labor for the following unpatented lode claims:

<u>Claim Names</u>	<u>No. Pages</u>	<u>Fee</u>
TM, Wellington, etc.	3	\$13.00
Boot, Flux, Rockney	3	\$13.00
South Humbolt, Humbolt, etc.	2	\$13.00
West	3	\$13.00
<u>Total</u>		<u>\$52.00</u>

Also enclosed is a return, stamped envelope.

Very truly yours,

*William D. Gay*

William D. Gay  
Land Engineer, SWED

WDG:mek  
encs.

cc: J.D. Sell  
C.N. Snow



AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

STATE OF ARIZONA    )  
                          ) ss  
County of Pima        )

William D. Gay, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age, and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are as follows:

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above-described unpatented lode mining claims for the assessment year ending at 12:00 o'clock Meridian, September 1, 1989.

ASARCO Incorporated

By William D. Gay  
Agent

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )

The foregoing instrument was acknowledged before me this 5<sup>th</sup> day of January, 1989, by William D. Gay.

William D. Gay  
Notary Public

My Commission Expires:  
My Commission Expires July 6, 1992  
-----

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

T.E.S.

S.W. MINING DEPT.  
JAN 24 1989  
TUCSON

RECEIPT AND ACCOUNTING ADVICE JAN 24 1989 1544144 02

Subject: M AFFIDAVITS (49) MG/AZ JAN 20 89 0 13 12 24500  
Applicant: ASARCO INC  
BOX 5747  
TUCSON AZ 85703-0747

Remitter: SAME

Assignor:

SERIAL NO.
AMC 22 52011 ET AL

REFER TO THE ABOVE CASE SERIAL NUMBER IN ALL CORRESPONDENCE. PLEASE INFORM THIS OFFICE OF ANY CHANGE IN ADDRESS.

NOTE: This notice is a receipt for monies paid the United States. If these monies are for required fees in connection with your application to lease, purchase, enter, or otherwise acquire an interest in public lands or resources, this receipt is not an authorization to utilize the land applied for and it does not convey any right, title, or interest in the land for which application is made.

cc: R.L. Brown  
W.A. Bennis  
J.D. Sell

# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

January 18, 1989

Mr. Dean Bibles  
State Director  
Bureau of Land Management  
U.S. Department of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

Mining Claim Annual Recordation  
3-R Project  
Boot & Flux Group (49 claims)  
Santa Cruz County, AZ  
BLM Serial Numbers:  
A MC 52011, 52015 thru 52025,  
52027, 52032 " 52039,  
52044 thru 52071

---

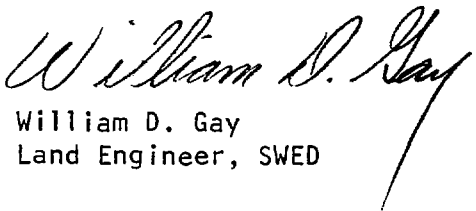
Dear Sir:

In accordance with the Federal Land Policy and Management act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claim serial numbers, as recorded in the Santa Cruz County Recorder's office in Docket 491, Pages 367 thru 369, for the assessment year ending September 1, 1989.

Also enclosed is Asarco's check for \$245 in payment of service charge of \$5 for each claim (49 claims).

Please return acknowledgment in the enclosed, stamped envelope.

Very truly yours,

  
William D. Gay  
Land Engineer, SWED

WDG:mek  
encs.

cc: R.L. Brown (w/encs.)  
W.A. Bennis (w/encs.)  
J.D. Sell (w/encs.)  
C.L. Snow (w/o enc.)



INDEXED

AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

DOCK 491 PAGE 367

STATE OF ARIZONA    )  
                          ) ss  
County of Pima        )

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Year Ending Sept. 1, 1989

cc: R.L. Brown  
W.A. Bennis  
J.D. Sell  
(3/6/89)

\*\*\*ATTENTION\*\*\*

RETAIN THE ATTACHED PHOTOCOPY AS IT IS YOUR OFFICIAL ACKNOWLEDGEMENT OF RECEIPT

In an effort to expedite the acknowledgement procedure, we have time-stamped and photocopied what was submitted to this office. This DOES NOT mean it has been reviewed or processed, only that it was received.

As a reminder, if you have elected to file a notice of intention to hold, do not forget to record such notices of intention to hold for lode and placer claims (not mill or tunnel sites) and all affidavits of labor, amendments and transfers of ownership with the proper county recorder.

Always include the A MC serial numbers assigned to each of your claims when filing affidavits and other documents. For large groups of mining claims, it would help us a great deal to process them if you would list them in serial number order consecutively. Also, please keep us advised as to your current mailing address.

Bureau of Land Management  
Arizona State Office  
Mining Claims Section  
3707 North 7th Street  
Phoenix, Arizona 85014  
Phone: (602) 241-5550

Mailing Address:  
Bureau of Land Management  
Arizona State Office  
Mining Claims Section  
P. O. Box 16563  
Phoenix, Arizona 85011

ASARCO Incorporated  
MAR 1 1989  
SW Exploration



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RECEIVED  
B.L.M. AZ STATE OFFICE

2

JAN 20 1989

7:45 A.M.  
PHOENIX, ARIZONA

above-described unpatented lode mining claims for the assessment year ending at 12:00 o'clock Meridian, September 1, 1989.

ASARCO Incorporated

By William D. Gay  
Agent

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )

The foregoing instrument was acknowledged before me this 5th day of January, 1989, by William D. Gay.

William D. Gay  
Notary Public


My Commission Expires:  
My Commission Expires July 6, 1992

RECEIVED  
B.L.M. AZ STATE OFFICE

JAN 20 1989  
7:45 A.M.  
PHOENIX, ARIZONA

INSTRUMENT # 890189  
 OFFICIAL RECORDS OF  
 SANTA CRUZ COUNTY  
 MARY LOU G. SAINZ  
 REQUEST OF :

ASARCO, INC.  
 DATE: 01/09/89 TIME: 10.45  
 FEE: 13.00  
 BOOK 491 PAGE 367 PAGES: 3



September 4, 1990

FILE NOTE

World's Fair  
Patagonia Mountains  
Arizona

Grover Heinrich called to tell us that Paul Eimon wanted Asarco to know that he did not do assessment work on the 11 claims at the World's Fair this year.

WLK:mek

  
W.L. Kurtz

cc: R.L. Brown  
J.D. Sell  
W.D. Gay



# ASARCO

3R

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

September 25, 1990

Ms. Mary Lou G. Sainz  
Santa Cruz County Recorder  
P.O. Box 1150  
Nogales, Arizona 85628

Affidavits of Labor  
Palmetto & Harshaw  
Mining Districts  
Santa Cruz Co., AZ

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*William D. Gay*  
William D. Gay  
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WDG:mek  
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C.N. Snow

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ASARCO Incorporated

By William D. Gay  
Agent

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )

The foregoing instrument was acknowledged before me this 21st day of September, 1990, by William D. Gay.

Kathleen Harrigan  
Notary Public

My Commission Expires:  
My Commission Expires July 6, 1992

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

3-R

RECEIPT AND ACCOUNTING ADVICE

NO. 1642191 04

*49 Claims*

BF/AZ

10/10/90

Subject: AFFIDAVIT OF LABOR (49) AMC 52011, 52015 2 17 12 245.00  
Applicant: - 52025, 52027, 52032-52039, 52044-52071

ASARCO INC.  
P.O. BOX 5747  
TUCSON, AZ 85703

Remitter: SAME - CK #03931  
602/792-3010

ASARCO Incorporated

OCT 15 1990

SW Exploration

Assignor:

SERIAL NO.
AMC 52011 ET AL

REFER TO THE ABOVE CASE SERIAL NUMBER IN ALL CORRESPONDENCE. PLEASE INFORM THIS OFFICE OF ANY CHANGE IN ADDRESS.

NOTE: This notice is a receipt for monies paid the United States. If these monies are for required fees in connection with your application to lease, purchase, enter, or otherwise acquire an interest in public lands or resources, this receipt is not an authorization to utilize the land applied for and it does not convey any right, title, or interest in the land for which application is made.

cc: R.L. Brown  
P. Donato, Contract File NYO  
J.D. Sell  
C.L. Snow  
W.D. Gay

*Ack*

*Buy*

# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

October 5, 1990

Mr. Dean Bibles  
State Director  
Bureau of Land Management  
U.S. Department of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

Mining Claim Annual Recordation  
3-R Project  
Boot & Flux Group (49 claims)  
Santa Cruz County, AZ  
BLM Serial Numbers:  
AMC 52011, 52015 thru 52025,  
52027, 52032 " 52039,  
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Dear Sir:

In accordance with the Federal Land Policy and Management Act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claim serial numbers, as recorded in the Santa Cruz County Recorder's Office in Docket 537, Pages 751 thru 753, for the assessment year ending September 1, 1990.

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Very truly yours,

*William D. Gay*  
William D. Gay  
Land Engineer, SWED

WDG:mek  
encs.

cc: R.L. Brown (w/encs.)  
P. Donato, Contract File NYO (w/encs.)  
J.D. Sell (w/encs.)  
C.L. Snow

\*\*\*ATTENTION\*\*\*

PLEASE RETAIN, THIS IS YOUR OFFICIAL ACKNOWLEDGEMENT OF RECEIPT FROM BLM

In an effort to expedite the acknowledgement procedure, we have time-stamped and photocopied what was submitted to this office. This DOES NOT mean it has been reviewed or processed, only that it was received.

As a reminder, if you have elected to file a notice of intention to hold, do not forget to record such notices of intention to hold for lode and placer claims (not mill or tunnel site) and all affidavits of labor, amendments and transfers of ownership with the proper county recorder.

Always include the A MC serial numbers assigned to each of your claims when filing affidavits and other documents. For large groups of mining claims, it would help us a great deal to process them if you would list them in serial number order consecutively. Also, please keep us advised as to your current mailing address.

Bureau of Land Management  
Arizona State Office  
Branch of Mining  
Law Administration  
3707 North 7th Street  
Phoenix, Arizona 85014  
Phone: (602) 241-5550

Mailing Address:  
Bureau of Land Management  
Arizona State Office  
Branch of Mining  
Law Administration  
P.O. Box 16563  
Phoenix, Arizona 85011



INSTRUMENT # 907936  
 OFFICIAL RECORDS OF  
 SANTA CRUZ COUNTY  
 MARY LOU G. SAINZ  
 COUNTY RECORDER  
 REQUEST OF :

ASARCO, INC.  
 DATE: 09/27/90 TIME: 11.25  
 FEE: 13.00  
 BOOK 537 PAGE 751 PAGES: 3

ASARCO Incorporated

OCT 15 1990

AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

SW Exploration

MICROFILMED INDEXED

BOOK 537 PAGE 751

STATE OF ARIZONA )  
 ) ss  
 County of Pima )

William D. Gay, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age, and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are as follows:

<u>NAME OF CLAIM</u>	<u>RECORDING</u>		<u>BLM</u>
	<u>BOOK</u>	<u>PAGE</u>	<u>SERIAL NO.</u>
Boot No. 36	41	139	A MC 52011
Boot 52 thru 61	58	421 thru 430	52015 thru 52024 <sup>10</sup>
Boot 70	57	316	52025
Boot 72	57	318	52027
Boot 77	57	323	52032
Boot 78	57	324	52033
Boot 78 Amended	58	431	"
Boot 79	57	325	52034
Boot 80	57	326	52035
Boot 80 Amended	69	432	"
Boot 81 thru 84	57	327 thru 330	52036 <sup>4</sup> thru 52039
Boot 90 thru 95	81	349 thru 354	52044 <sup>6</sup> thru 52049
Boot 97 thru 106	81	355 thru 364	52050 <sup>10</sup> thru 52059



RECEIVED  
B.L. ...

007 0000  
...  
...  
...

Flux No. 1 (Flux Mine)	3	312 and 313	52060
Flux No. 2	1	258 thru 260	52061
Flux No. 2 Amended	3	314 and 315	"
Flux No. 3	2	14 and 15	A MC 52062
Flux No. 3 Amended	3	315 thru 317	"
Flux No. 4	3	318 and 319	52063
Flux No. 5 (Mexicano)	2	15	52064
Flux No. 5 Amended	3	319 thru 321	"
Flux No. 11	16	284 and 285	52065
Flux No. 11 Amended	16	314	"
Flux No. 15	16	285 and 286	52066
Flux No. 16	16	280 and 281	52067
Flux No. 18	16	282 and 283	52068
Flux No. 23	26	330	52069
Flux No. 25	26	375	52070
Rockney	24	100	52071

All of said claims are located in Sections 24, 25, and 36, T22S, R15E; Sections 30 and 31, T22S, R16E; and Section 6, T23S, R16E, G&SRB&M.

That all of said mining claims are owned by ASARCO Incorporated the mailing address for which is P.O. Box 5747, Tucson, Arizona 85703; that between September 1, 1989 and August 31, 1990, in excess of \$4,900 worth of work and improvements were done and performed for the benefit of the described claims. Work and improvements consisted of drilling performed by CBC DRILLING, 707 Boyd Blvd., La Porte, Indiana 46350.

Said labor was performed and improvements made at the expense of ASARCO Incorporated for the benefit of each and all of said mining claims comprising said contiguous groups as part of a general plan of exploration, improvements and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more that One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the

above-described unpatented lode mining claims for the assessment year ending at 12:00 o'clock Meridian, September 1, 1990.

ASARCO Incorporated

RECORDED  
2.1.1.1  
307  
1990

By William D. Gay  
Agent

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )

The foregoing instrument was acknowledged before me this 1st day of September, 1990, by William D. Gay.

Kathleen Harman  
Notary Public

My Commission Expires:  
My Commission Expires July 6, 1992

# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

June 6, 1991

State Director  
Bureau of Land Management  
U.S. Department of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

Mining Claim Annual Recordation  
3-R Project  
Santa Cruz County, AZ  
Boot & Flux Group (49 claims)  
BLM Serial Numbers  
AMC 52011, 52015 thru 52025,  
52027, 52032 " 52039,  
52044 thru 52071

Dear Sir:


In accordance with the Federal Land Policy and Management Act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claims serial numbers, as recorded in the Santa Cruz County Recorder's office in Book 557, Pages 663 thru 665, for the assessment year ending September 1, 1991.

Also enclosed is Asarco's check for \$245 in payment of service charge of \$5 for each claim (49 claims).


Please return acknowledgment in the enclosed, stamped envelope.

Very truly yours,

WDG:mek  
encs.

  
William D. Gay  
Land Engineer, SWED

cc: R.L. Brown (w/enc.)  
P. Donato, Contract File NYO (w/enc.)  
J.D. Sell (w/enc.)  
C.L. Snow (w/o enc.)


**INSTRUMENT # 914351**  
**OFFICIAL RECORDS OF**  
**SANTA CRUZ COUNTY**  
**MARY LOU G. SAINZ**  
**COUNTY RECORDER**  
**REQUEST OF :**  
**ASARCO INCORPORATED**  
**DATE: 05/30/91 TIME: 12.00**  
**FEE: 13.00**  
**DOCK 557 PAGE 663 PAGES: 3**

**AFFIDAVIT OF LABOR PERFORMED**  
**AND IMPROVEMENTS MADE**

STATE OF ARIZONA    )  
                           ) ss  
 County of Pima        )

INDEXED  
 MICROFILMED  
**DOCK 557 PAGE 663**

William D. Gay, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age, and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are as follows:

<u>NAME OF CLAIM</u>	<u>RECORDING</u>		<u>SERIAL NO.</u>
	<u>BOOK</u>	<u>PAGE</u>	
Boot No. 36	41	139	A MC 52011
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Boot 70	57	316	52025
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Boot 78 Amended	58	431	"
Boot 79	57	325	52034
Boot 80	57	326	52035
Boot 80 Amended	69	432	"
Boot 81 thru 84	57	327 thru 330	52036 thru 52039
Boot 90 thru 95	81	349 thru 354	52044 thru 52049
Boot 97 thru 106	81	355 thru 364	52050 thru 52059

RECEIVED  
 BLM, AZ STATE OFFICE  
 JUN 7 1991  
 9:00 AM  
 PHOENIX, ARIZONA

Flux No. 1 (Flux Mine)	3	312 and 313	52060
Flux No. 2	1	258 thru 260	52061
Flux No. 2 Amended	3	314 and 315	"
Flux No. 3	2	14 and 15	A MC 52062
Flux No. 3 Amended	3	315 thru 317	"
Flux No. 4	3	318 and 319	52063
Flux No. 5 (Mexicano)	2	15	52064
Flux No. 5 Amended	3	319 thru 321	"
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Flux No. 18	16	282 and 283	52068
Flux No. 23	26	330	52069
Flux No. 25	26	375	52070
Rockney	24	100	52071

All of said claims are located in Sections 24, 25, and 36, T22S, R15E; Sections 30 and 31, T22S, R16E; and Section 6, T23S, R16E, G&SRB&M.

That all of said mining claims are owned by ASARCO Incorporated the mailing address for which is P.O. Box 5747, Tucson, Arizona 85703; that between September 1, 1990 and April 9, 1991, in excess of \$4,900 worth of work and improvements were done and performed for the benefit of the described claims. Work and improvements consisted of drilling performed by CBC DRILLING, 707 Boyd Blvd., La Porte, Indiana 46350.

Said labor was performed and improvements made at the expense of ASARCO Incorporated for the benefit of each and all of said mining claims comprising said contiguous groups as part of a general plan of exploration, improvements and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and improvements for each and all of the

RECEIVED  
 BLM, AZ STATE OFFICE  
 JUN 7 1991  
 9:00 A.M.  
 TUCSON, ARIZONA



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

*3-R Project*

RECEIPT AND ACCOUNTING ADVICE

NO. 1665984 <sup>04</sup>

LH/AZ 06/10/91

Subject: AFFIDAVITS OF ASSESSMENT WORK (49) 2 5 12 245.00

Applicant:  
ASARCO, INC.  
P.O. BOX 5747  
TUCSON, AZ. 85703

SAME-CK#05850

Remitter:

Assignor:

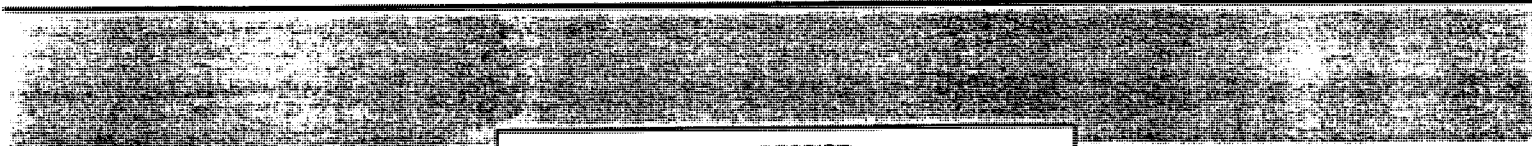
SERIAL NO.
AMC52011, ET AL

REFER TO THE ABOVE CASE SERIAL NUMBER IN ALL CORRESPONDENCE. PLEASE INFORM THIS OFFICE OF ANY CHANGE IN ADDRESS.

NOTE: This notice is a receipt for monies paid the United States. If these monies are for required fees in connection with your application to lease, purchase, enter, or otherwise acquire an interest in public lands or resources, this receipt is not an authorization to utilize the land applied for and it does not convey any right, title, or interest in the land for which application is made.

- cc: R.L. Brown
- P. Donato, Contract File NYO
- J.D. Sell
- C.L. Snow
- W.D. Gay

ASARCO Incorporated  
JUN 12 1991  
SW Express



December 4, 1991

Mr. R. L. Brown  
New York Office

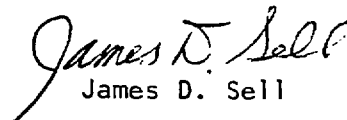
Supplemental Exploration  
Appropriations  
Southwestern Exploration Div.

Several on-going projects have overrun debits against the present appropriations.

To clear the end-of-the-year books, I submit SEA's for the following projects:

1. Freeport - Santa Cruz, The Lands, AZ EA-0075	\$95,000
2. Gold Hill, UT, EA-0413	38,000
3. Superior East, AZ, EA-0010	85,000
4. Three R, AZ, EA-0040	1,000
5. Yellow Jacket, UT, EA-0477	2,000

JDS:mek  
Atts.

  
James D. Sell

cc: W.L. Kurtz  
C.L. Snow



APPLICATION FOR SUPPLEMENTAL EXPLORATION APPROPRIATION

December 4, 19 91

Originating Office SWED - Tucson

Application is hereby made for supplemental Appropriation to cover cost, in excess of original estimate, of work authorized by New York.

No. EA-0040, Three R, AZ

Present total Estimated Cost	\$ 788,500
Amount previously authorized (date 8/11/88) EA-0040-06	\$ 787,500
Balance for which Authorization is now requested	\$ 1,000

ADDITIONAL WORK CONTEMPLATED:

Clearing of overrun.

EXPLANATION OF INCREASED COST:

Increased filing fees and holding costs for 49 Boot & Flux Claims.

Reviewed by [Signature] ACCT-MGR. OR CHIEF ACCT

Recommended by [Signature] James D. Sell SUPERVISOR

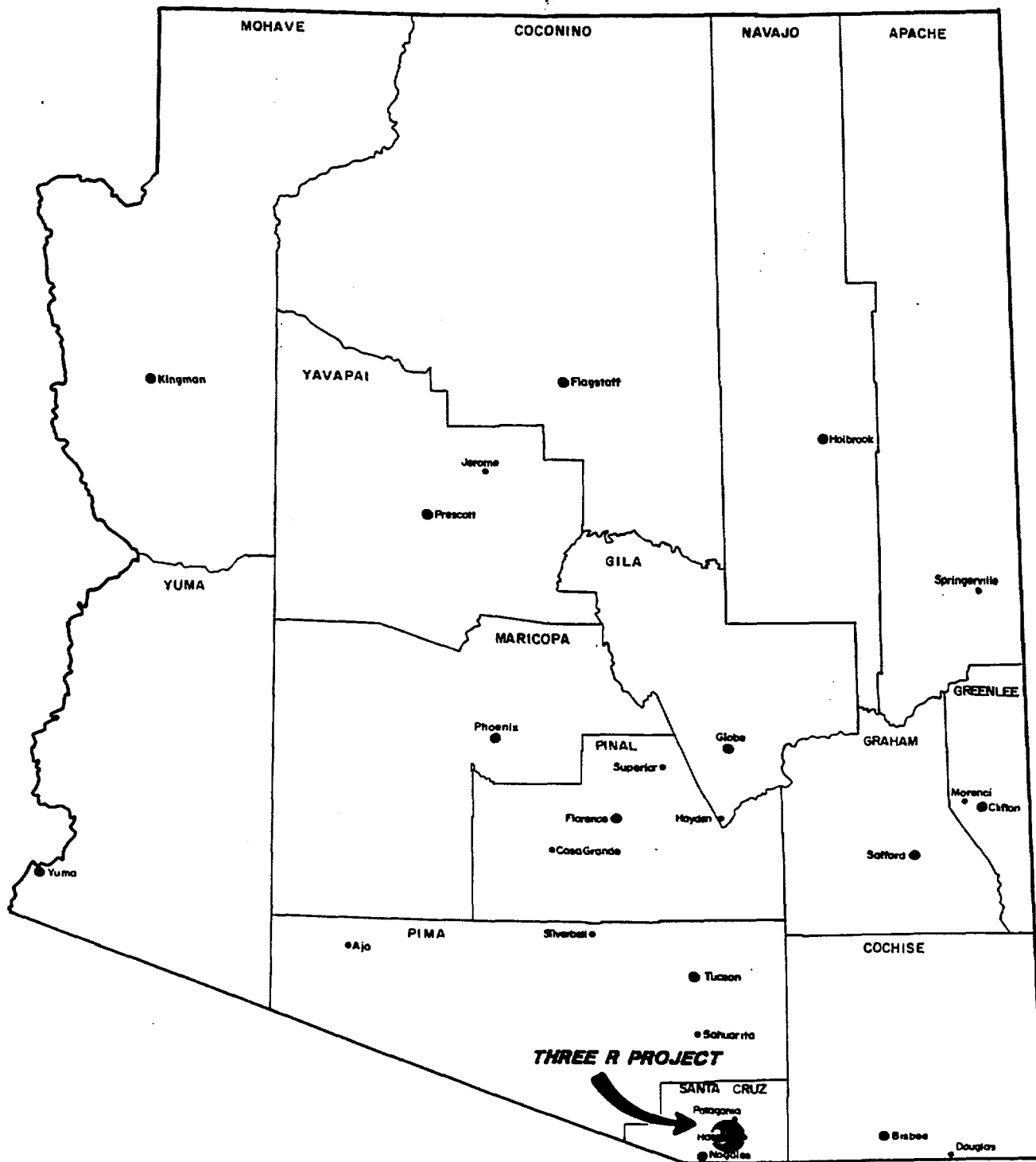
Approved by ..... CONTROLLER

Account Chargeable to ..... TO BE FILLED IN BY CONTROLLER

Approved by ..... VICE PRESIDENT

Approved by Advisory Committee ..... 19.....

Approved by Board of Directors ..... 19.....



ASARCO Incorporated  
**INDEX MAP**  
**THREE R PROJECT**  
**SANTA CRUZ CO., ARIZONA**  
**J.D.S. 4-88**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

3-R Project  
EA 0040

RECEIPT AND ACCOUNTING ADVICE

NO. 1925804<sup>04</sup>  
CP/AZ 10/07/92

Subject: AFFIDAVITS OF ASSESSMENT WORK (49) 2 9 12 245.00

Applicant: ASARCO INC.  
BOX 5747  
TUCSON, AZ 85703

SAME - CK #01536

Remitter:

Assignor:

SERIAL NO.
AMC 52011, ET AL

REFER TO THE ABOVE CASE SERIAL NUMBER IN ALL CORRESPONDENCE. PLEASE INFORM THIS OFFICE OF ANY CHANGE IN ADDRESS.

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cc: G.D. Van Voorhis  
P. Donato - Contract Files NYO  
J.D. Sell  
W.D. Gay

ASARCO history

OCT 9 1992

SW Exploration

ACK - CP

# ASARCO

Exploration Department  
Southwestern United States Division

CERTIFIED MAIL  
RETURN RECEIPT

October 6, 1992

State Director  
Bureau of Land Management  
U.S. Department of the Interior  
P.O. Box 16563  
Phoenix, AZ 85011

Mining Claim Annual Recordation  
3-R Project  
Santa Cruz County, AZ  
Boot & Flux Group (49 claims)  
BLM Serial Numbers  
AMC 52011, 52015 thru 52025,  
52027, 52032 " 52039,  
52044 thru 52071

Dear Sir:

In accordance with the Federal Land Policy and Management Act (43 CFR, Part 3833.2), enclosed is an exact reproduction of the affidavit of assessment work, with mining claims serial numbers, as recorded in the Santa Cruz County Recorder's office in Book 594, Pages 126 thru 128, for the assessment year ending September 1, 1992.

Also enclosed is Asarco's check for \$245 in payment of service charge of \$5 for each claim (49 claims).

Please return acknowledgment in the enclosed, stamped envelope.

Very truly yours,

WDG:mek  
encs.

*William D. Gay*  
William D. Gay  
Land Engineer, SWED

cc: G.D. Van Voorhis (w/enc.)  
P. Donato, Contract File NYO (w/enc.)  
J.D. Sell (w/enc.)  
C.L. Snow (w/o enc.)

**\*\*\*ATTENTION\*\*\***

**PLEASE RETAIN, THIS IS YOUR OFFICIAL ACKNOWLEDGEMENT OF RECEIPT FROM BIM.**

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Always include the A MC serial numbers assigned to each of your claims when filing affidavits and other documents. For large groups of mining claims, it would help us a great deal to process them if you would list them in serial number order consecutively. Also, please keep us advised as to your current mailing address.

Bureau of Land Management  
Arizona State Office  
Branch of Mining  
Law Administration  
3707 North 7th Street  
Phoenix, Arizona 85014  
Phone: (602) 640-5550

Mailing Address:  
Bureau of Land Management  
Arizona State Office  
Branch of Mining  
Law Administration  
P.O. Box 16563  
Phoenix, Arizona 85011

RECEIVED  
 B.L.M. AZ STATE OFFICE  
 Oct 6 '92  
 9:00 A.M.  
 PHOENIX, ARIZONA

RECEIVED  
 B.L.M. AZ STATE OFFICE  
 Oct 7 '92  
 9:00 A.M.  
 PHOENIX, ARIZONA

INSTRUMENT # 927617  
 OFFICIAL RECORDS OF  
 SANTA CRUZ COUNTY  
 MARY LOU G. SAINZ  
 COUNTY RECORDER  
 REQUEST OF :  
 ASARCO INCORPORATED  
 DATE: 09/21/92 TIME: 11.30  
 FEE: 13.00  
 DOCK 594 PAGE 126 PAGES: 3

AFFIDAVIT OF LABOR PERFORMED  
AND IMPROVEMENTS MADE

~~VICOPLENED~~ INDEXED

DOCK 594 PAGE 126

STATE OF ARIZONA )  
 ) ss  
 County of Pima )

William D. Gay, being first duly sworn, deposes and says that he is a citizen of the United States and more than twenty-one (21) years of age, and resides in Tucson, County of Pima, State of Arizona, and is personally acquainted with the mining claims situated in the Palmetto and Harshaw Mining Districts, Santa Cruz County, Arizona, the names and books and pages of record in the office of the County Recorder of Santa Cruz County, Arizona, and the Bureau of Land Management serial number of the Notices of Location whereof are as follows:

<u>NAME OF CLAIM</u>	<u>BOOK</u>	<u>PAGE</u>	<u>BLM</u> <u>SERIAL NO.</u>
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Boot 81 thru 84	57	327 thru 330	52036 thru 52039
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Boot 97 thru 106	81	355 thru 364	52050 thru 52059

RECEIVED B.L.M. AZ STATE OFFICE  
RECEIVED B.L.M. AZ STATE OFFICE

DOCK 594 PAGE 127

OCT 7 '92

OCT 8 '92

Flux No. 1 (Flux Mine)	3	312 and 313	52060
Flux No. 2 ARIZONA PHOENIX, ARIZONA	1	258 thru 260	52061
Flux No. 2 Amended	3	314 and 315	"
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Flux No. 25	26	375	52070
Rockney	24	100	52071

All of said claims are located in Sections 24, 25, and 36, T22S, R15E; Sections 30 and 31, T22S, R16E; and Section 6, T23S, R16E, G&SRB&M.

That all of said mining claims are owned by ASARCO Incorporated the mailing address for which is P.O. Box 5747, Tucson, Arizona 85703; that between August 3, 1992 and August 29, 1992, in excess of \$4,900 worth of work and improvements were done and performed for the benefit of the described claims. Work and improvements consisted of drilling performed by CBC DRILLING, 750 East Evans Blvd., Tucson, AZ 85713, and road work by Dave Martin Excavating, P.O. Box 451, Patagonia, AZ 85624.

Said labor was performed and improvements made at the expense of ASARCO Incorporated for the benefit of each and all of said mining claims comprising said contiguous groups as part of a general plan of exploration, improvements and development, and they tend to explore, improve and develop each and all of said mining claims. The amount expended for and the value of said labor and improvements is more than One Hundred Dollars (\$100.00) for each of the mining claims and at least said amount was allocated to each of the mining claims. Said expenditure was made in good faith for the purpose of exploring, improving and developing said contiguous groups of mining claims, and was intended as annual labor and

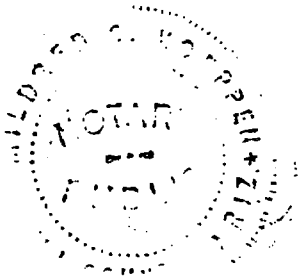
improvements for each and all of the above-described unpatented lode mining claims for the assessment year ending at 12:00 o'clock Meridian, September 1, 1992.

ASARCO Incorporated

By William D. Gay  
Agent

STATE OF ARIZONA )  
                          ) ss  
County of Pima     )

The foregoing instrument was acknowledged before me this 17<sup>th</sup> day of September, 1992, by William D. Gay.



Mildred C. Koeppe  
Notary Public

My Commission Expires:

My Commission Expires Nov. 28, 1992

3  
9:00 A.M.  
PHOENIX, ARIZONA

RECEIVED  
OCT 7 1992  
B.L.M. AZ STATE OFFICE

RECEIVED  
OCT 8 1992  
9:00 A.M.  
PHOENIX, ARIZONA  
B.L.M. AZ STATE OFFICE