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James Doyle Sell Mining Collection

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# ASARCO

Mining Department  
Tucson, Arizona

FILE

JDS

July 16, 1992

ASARCO II

JUL 17 1992

SW EXPLORE

Mr. J. D. Sell, Manager  
Southwestern US Division  
Exploration Department  
TUCSON OFFICE

Fan Claims  
C. P. Seel's Claim Group  
Twin Buttes District  
Pima County, Arizona

I have reviewed the geological data on the Fan claims that were transmitted with your memo dated June 2, 1992.

Based on this information, a geological resource of approximately 30 million tons averaging 1.07% Cu as mixed oxide and sulfide mineralization could be postulated for the Fan claims. This mineralization is contained within a number of moderately SW dipping zones of tactite and limestone breccia that average approximately 110 ft in thickness. Regrettably, this mineralization is covered by an average thickness of approximately 400 ft of leached capping in addition to the 90 ft of alluvium that you referred to in your memo of June 2, 1992.

With reference to your comments concerning a combination of Fan group and Dynamite group mineralization, the mineral potential of the combined Fan-Dynamite group is closer to 100 million tons rather than your estimate of 500 million tons. The average depth to mineralization on the Dynamite claims is approximately 717 ft. In addition, much of the Dynamite group mineralization adjacent to the Fan claims lies at depths in excess of 1,000 ft.

The bulk of this mineralization occurs in tactite and limestone a highly acid-reactive suite of rocks. This is likely to preclude its consideration as an in situ leach target.

In view of the above, C. P. Seel's claim group does not warrant further consideration by Asarco.



S. A. Anzalone

SAA:brw  
cc: W. L. Kurtz

# ASARCO

**Mining Department**

S. A. Anzalone  
Chief Geologist

July 16, 1992

Mr. Charles P. Seel  
250 Old Yellowstone Trail  
Bozeman, MT 59715

ASARCO Incorporated

JUL 17 1992

SW Exploration

Dear Mr. Seel:

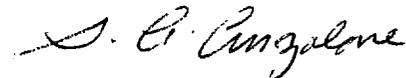
Fan Claims  
Twin Buttes District  
Pima County, Arizona

At the request of Mr. J. D. Sell, I have reviewed the geological data covering the Fan Claims, Pima County, Arizona, that you were kind enough to submit to Asarco for consideration.

Regrettably, our preliminary evaluation indicates that the depth of overburden covering much of the mineralization on the Fan Claim Group is too great to permit the development of an economic open pit operation. In addition, the bulk of the mineralization, both oxide and sulfide, occurs in tactite and limestone, a highly acid-reactive suite of rocks. This will likely preclude its development as an in situ leach operation.

We wish to thank you for submitting this property for Asarco's consideration.

Yours truly,



S. A. Anzalone

SAA:brw

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

May 21, 1992

Mr. James D. Sell  
Exploration Manager  
ASARCO INC  
P. O. Box 5747  
Tucson, AZ 85703

Re: Fan B Claim Group. Twin Buttes District  
Pima County, Arizona

Dear Jim:

Today under separate cover (UPS) I am forwarding to you the following...

- ✓. copy of Fan B claim map, scale 1" = 1,000'
- ✓. claim outline map w drill hole and section locations, scale 1" = 725' approx.
- ✓. drill logs: \*A-420, \*483, \*971, \*975, \*976, \*977, \*980, \*981, \*984, \*1091, \*1204, \*1207, \*1219, \*1710, \*1750, \*2107
- ✓. vertical sections: \*20,500E, \*20,900E, \*21,800E, \*22,200E, \*22,700E, \*32,000N
- ✓. Fan claim map w drill hole locations and mineralized intercepts plotted, scale 1" = 200'

Sincerely,

*Charles P. Seel*

Charles P. Seel  
250 Old Yellowstone Trail  
Bozeman, Montana 59715  
(406) 586-0734

May 21, 1992

Mr. Jim Sell  
Exploration Manager  
ASARCO INC  
P. O. Box 5747  
Tucson, AZ 85703

Re: Fan B Claim Group, Twin Buttes District  
Pima County, Arizona

Dear Jim:

It was good to chat with you again after so many years.

The subject unpatented lode mining claims were leased to The Anaconda Company on January 13, 1965 and subsequently purchased by Anaconda. On February 22, 1989, the group was quit claimed back to me by Anaconda Arizona Inc./Amax Arizona Inc. On September 01, 1991 (post Meridian) the claims were restaked by me and recorded with Pima County and BLM, Phoenix.

From 1965 through 1983 some 33-holes (26,564 linear feet) were drilled throughout the claim block. A number of holes encountered ore and/or near-ore grade material and still others cut significant mineralized intervals. See drill logs enclosed.

Logs for holes #1243 thru #1256 (13 holes) and T-holes (3 holes) are not included because...

- . they were drilled far from known mineralization to only 250' depth largely in alluvium for assessment work purposes.
- . T-holes were previously drilled by Bear Creek Mining and the complete logs are not available.

In any event there appears to be a lot of smoke in the area.

Significant soluble copper oxide mineralization is indicated by the following drill results.

<u>Hole No.</u>	<u>Interval Ft.</u>	<u>Intercept Ft.</u>	<u>%CuO<sub>x</sub></u>	<u>Alluvium Ft.</u>
A-420	229 - 313	94	0.67	170
A-483	329 - 378	49	0.61	164
A-975	309 - 378	69	0.39	184
A-976	139 - 279?	140	1.40	83
A-984	255 - 293	38	0.16	157

The above suggests a copper oxide horizon from 139' to 378' depth covered by 83' to 184' of alluvium.

Mr. Jim Sell  
Fan B Claim Group

- 2 -

May 21, 1992

Eight holes (A-420, 483, 975, 976, 977, 984, 1204 and 1219) cut one or more deeper sulfide copper zones, also of mineable dimensions.

Some observations that you will note...holes #1204 and 1219 were the only holes assayed for zinc and both holes show promising zinc mineralization...only one hole (1750) was partially assayed for silver and it shows a 32' thick intercept averaging 0.56 oz/ton silver.

It appears that all the holes <sup>should be</sup> carefully relogged and resampled. Cutting may no longer be available but diamond drill core is still available for study at Anaconda's core shed.

Under separate cover, am sending the following:

- . copy of recorded claim map
- . copy of drill logs
- . drill hole location map
- . map with location of holes and geologic sections
- . drill hole sections

In the event that you decide that this information is not of interest to Asarco, please return it

If there is anything more that you need from me at this point, please call.

Your comments and suggestions are appreciated.

Sincerely,

*Chuck*

Charles P. Seel  
250 Old Yellowstone Trail  
Bozeman, Montana 59715  
(406) 586-0734

cc: White & Seel

Fan B claims  
C. P. Seal

May 21, 1992

ASARCO Incorporated Sec. 17-20,30  
MAY 26 1992 T17S, R13E  
SW EXPLORE TWIN BUTTES DISTRICT  
PIMA CO, AZ

Mr. Jim Sell  
Exploration Manager  
ASARCO INC  
P. O. Box 5747  
Tucson, AZ 85703

Re: Fan B Claim Group, Twin Buttes District  
Pima County, Arizona

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Mr. Jim Sell  
Fan B Claim Group

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Your comments and suggestions are appreciated.

Sincerely,

*Chuck*

Charles P. Seel  
250 Old Yellowstone Trail  
Bozeman, Montana 59715  
(406) 586-0734

cc: White & Seel

cc: S.A. Anzalone (6/2/92)

May 21, 1992

MAY 26 1992

SW Exploration

Mr. James D. Sell  
Exploration Manager  
ASARCO INC  
P. O. Box 5747  
Tucson, AZ 85703

Re: Fan B Claim Group. Twin Buttes District  
Pima County, Arizona

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- . drill logs: A-420, 483, 971, 975, 976, 977, 980, 981, 984, 1091, 1204, 1207, 1219, 1710, 1750, 2107
- . vertical sections: 20,500E, 20,900E, 21,800E, 22,200E, 22,700E, 32,000N
- . Fan claim map w drill hole locations and mineralized intercepts plotted, scale 1" = 200'

Sincerely,



Charles P. Seel  
250 Old Yellowstone Trail  
Bozeman, Montana 59715  
(406) 586-0734

cc: S.A. Anzalone (6/2/92)

# ASARCO

Southwestern Exploration Division

June 2, 1992

JDS

S.A. Anzalone  
Chief Geologist, Operating Mines  
Tucson Office

FAN Claims  
C.P. Seel, Owner  
Sec. 17-20, 30; T17S, R13E  
Twin Buttes District  
Pima County, Arizona

I submit a drill hole/assay packet on 16 holes drilled on the FAN claims which have been reacquired by C.P. Seel, 250 Old Yellowstone Trail, Bozeman, Montana 59715.

Seven of the holes have encountered a slab of limestone breccia, tactized, averaging 126 feet thick with a rough grade of 0.77% oxide-sulfide copper. An average of 90 feet of alluvial-fanglomerate cover lies over the south-west dipping mineralized slab.

I have taken the liberty of Xeroxing the material so you can mark up the sections and make any decisions. I am returning the original copies to Mr. Seel.

Contact Mr. Seel on your interest in the FAN group of claims. He is open on any type of deal Asarco might offer.

JDS:mek  
Atts.

*James D. Sell*  
James D. Sell

cc: W.L. Kurtz (w/o atts.)  
C.P. Seel (original packet of information)

*Originals:  
Return to:  
Mr. Charles P. Seel  
250 Old Yellowstone  
Trail  
Bozeman, MT 59715*

*w/ cover letter copy*

June 2, 1992

S.A. Anzalone  
Tucson Office

FAN Claims  
C.P. Seel, Owner  
Sec. 17-20, 30; T17S, R13E  
Twin Buttes District  
Pima County, Arizona

Mr. Chuck Seel, 250 Old Yellowstone Trail, Bozeman, Montana 59715, has reacquired the FAN group of claims (24 claims) from Anamax.

Some 33 holes have been drilled on the claim group and logs of 16 of the holes have been included in the packet of information submitted by Mr. Seel.

Of these, the central group of seven holes have intercepted a tactite breccia limestone unit which averages 126 feet thick and contains 0.77% copper as both oxide and sulfide.

The limestone slab dips to the southwest where no drill holes are noted. The drilled block contains some 100 million tons with an average of 90 feet of alluvial and fanglomerate cover. With increasing alluvial-fanglomerate cover to the southwest and south, it appears that an additional 100 million tons is possible plus the 100 million tons of 0.54% copper on the Dynamite claims, the adjacent claims to the south. (See my memo to you of October 2, 1990 with the packet of Dynamite data.)

The total Fan-Dynamite group may have 500 million tons of mineral potential with the northern part available for open pit mining.

JDS:mek

  
James D. Sell

cc: W.L. Kurtz

~~7-1-1-12/1256  
Dem. 2. V. 11/10/1000. 3/~~

Chude Sed UP state 5/20/90

Oxid 60-70 O.C  
Sulfid Sulfid

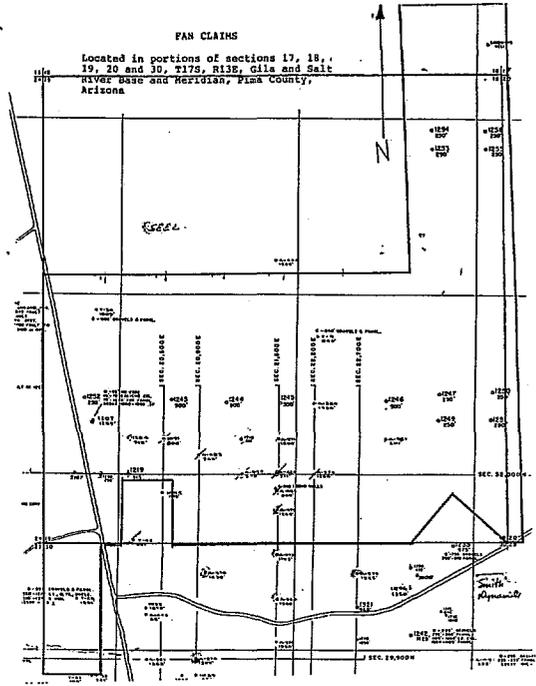
800-1000

Anaconda Mill N of Smiths  
ground 13 hole in mine.  
Will send photos.



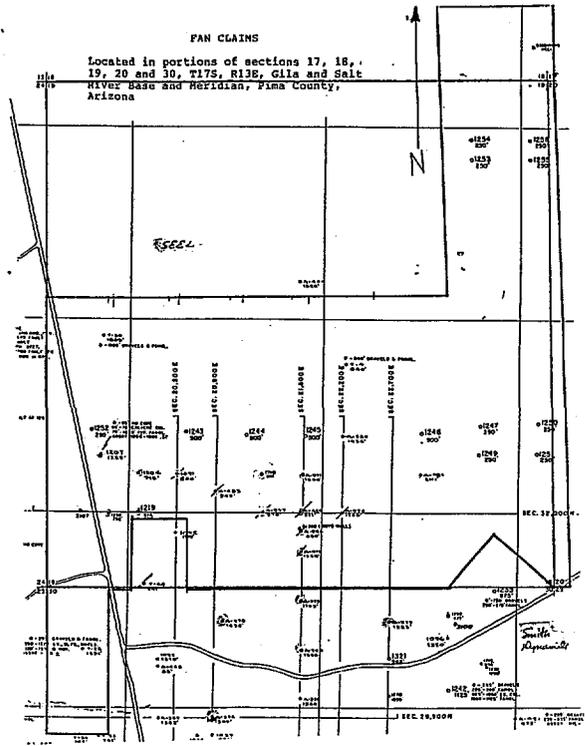
FAN CLAIMS

Located in portions of sections 17, 18, 19, 20 and 30, T17S, R13E, Gila and Salt River Basins and Maricopa, Pima County, Arizona



FAN CLAIMS

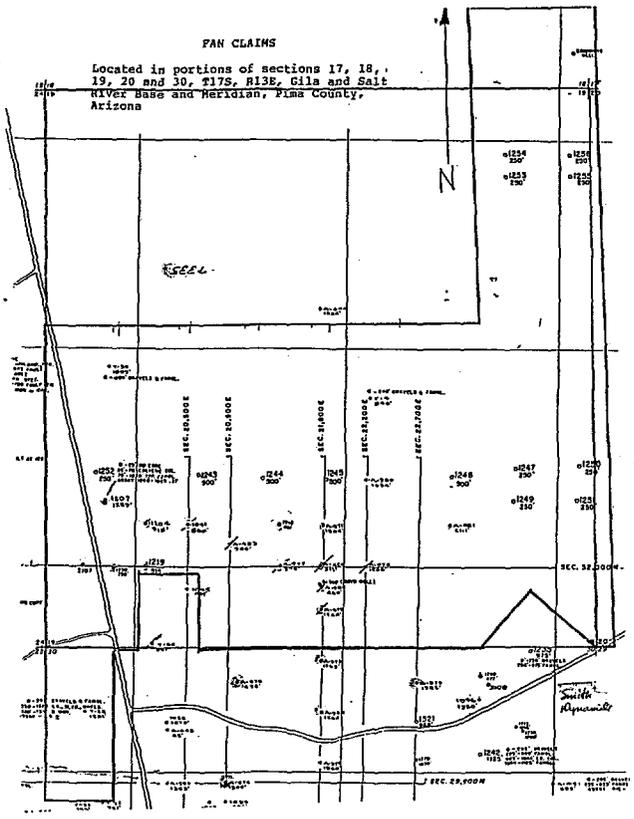
Located in portions of sections 17, 18,  
19, 20 and 30, T17S, R13E, Gila and Salt  
River Basins and Meridian, Pima County,  
Arizona





FAN CLAIMS

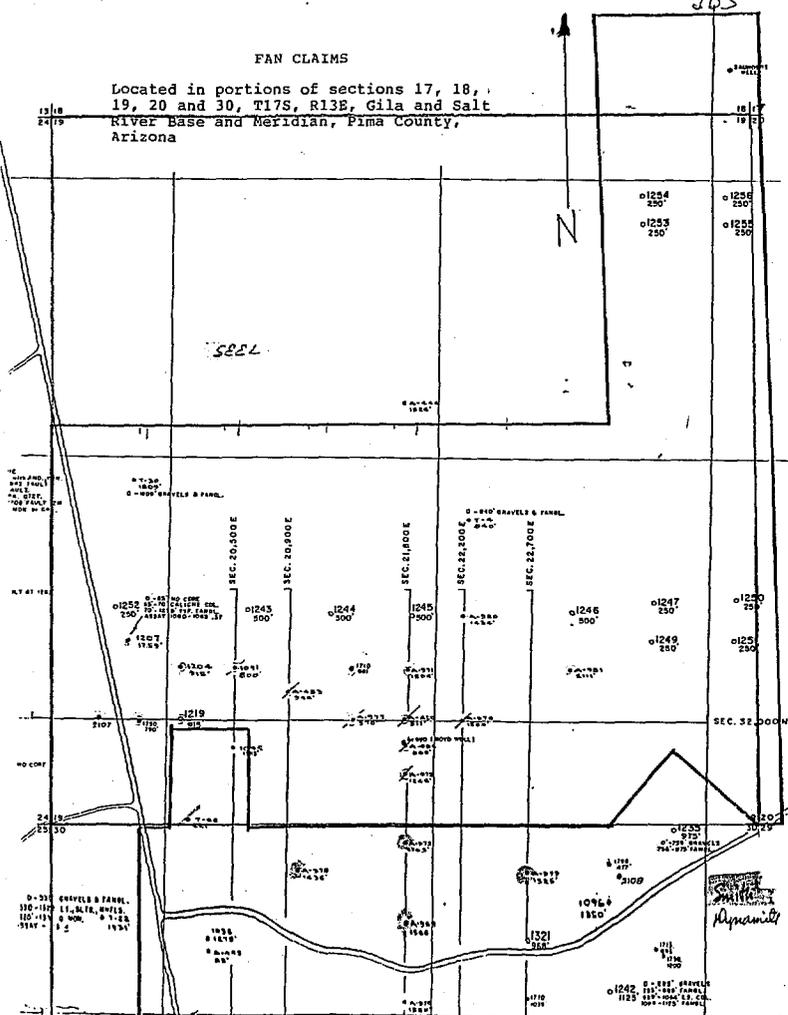
Located in portions of sections 17, 18, 19, 20 and 30, T17S, R13E, Gila and Salt River Base and Meridian, Pima County, Arizona



JDS

FAN CLAIMS

Located in portions of sections 17, 18, 19, 20 and 30, T17S, R13E, Gila and Salt River Base and Meridian, Pima County, Arizona





Rehash-

NW side → SE side

$$1091 = 131' @ 1.21$$

$$A-483 = 117' @ 0.89$$

$$977 = 75' @ 0.50$$

$$420 = 254' @ 0.78$$

$$976 = 33' @ 1.17$$

$$? 139' - 279' = 140' @ 1.40 \text{ each}$$

$$984 = 97' @ 0.55$$

$$975 = 176' @ 0.50$$

---

$$\frac{883}{7} = 126' @ \frac{478.22}{883} = 0.77$$

$$5400 \text{ NW} \times 1200 \times 126 \div 10 = 82 \text{ million tons @ } 0.77$$

~~at depth of~~

digging along lumber to SW, 83' - 184' of  $Q_{val} = 90' \text{ ave.}$

Dynamics claim group

- A-969 Weaner 100 mill @ 0.54
- A-973 PD 70 mill @ 0.75
- A-974 PD 20 mill from @ 1.22 removed
- A-978 by 100 mm tw @ 0.75
- A-979

+ 4 holes on Smith's Cedar Bars

also: Note on:

- T-69 T-68
- T-47 - T-44
- T-69
- T-70
- T-45 T-4?
- T-6 ?
- T-71
- T-14

Seel

420 lumber surrounded by Fenslamers *Okid/sulf-d*

947 " " " " " "

1091 ~~(101')(1.49%) + (30')(0.26)~~ " 221' @ 0.49

x-sec. + 420 ~~101' @ 1.49~~ + (54)(1.90) + (30)(0.27) + (25)(1.41) + (40)(0.51) + (43)(.24) = 254' @ 0.28

x-sec. + ? 977 (112)(0.10) + (41)(0.52) + (14)(0.41) + (82)(0.13)

x-sec. + 1091 101' @ 1.49 + 30' @ 0.26 = 131' @ 1.21  $\rightarrow$  157' @ 0.31

+ 975 150' @ 0.42 or 176' @ 0.50

+ 984 97' @ 0.55 or 198' @ 0.38

+ 976 33' @ 1.17

+ 977 75' @ 0.50 or 157' @ 0.31

+ 483 49' @ 1.17 + 84 @ 0.75 + 34 @ 0.41  $\rightarrow$  117' @ 0.89

603  
329

# FAN CLAIMS

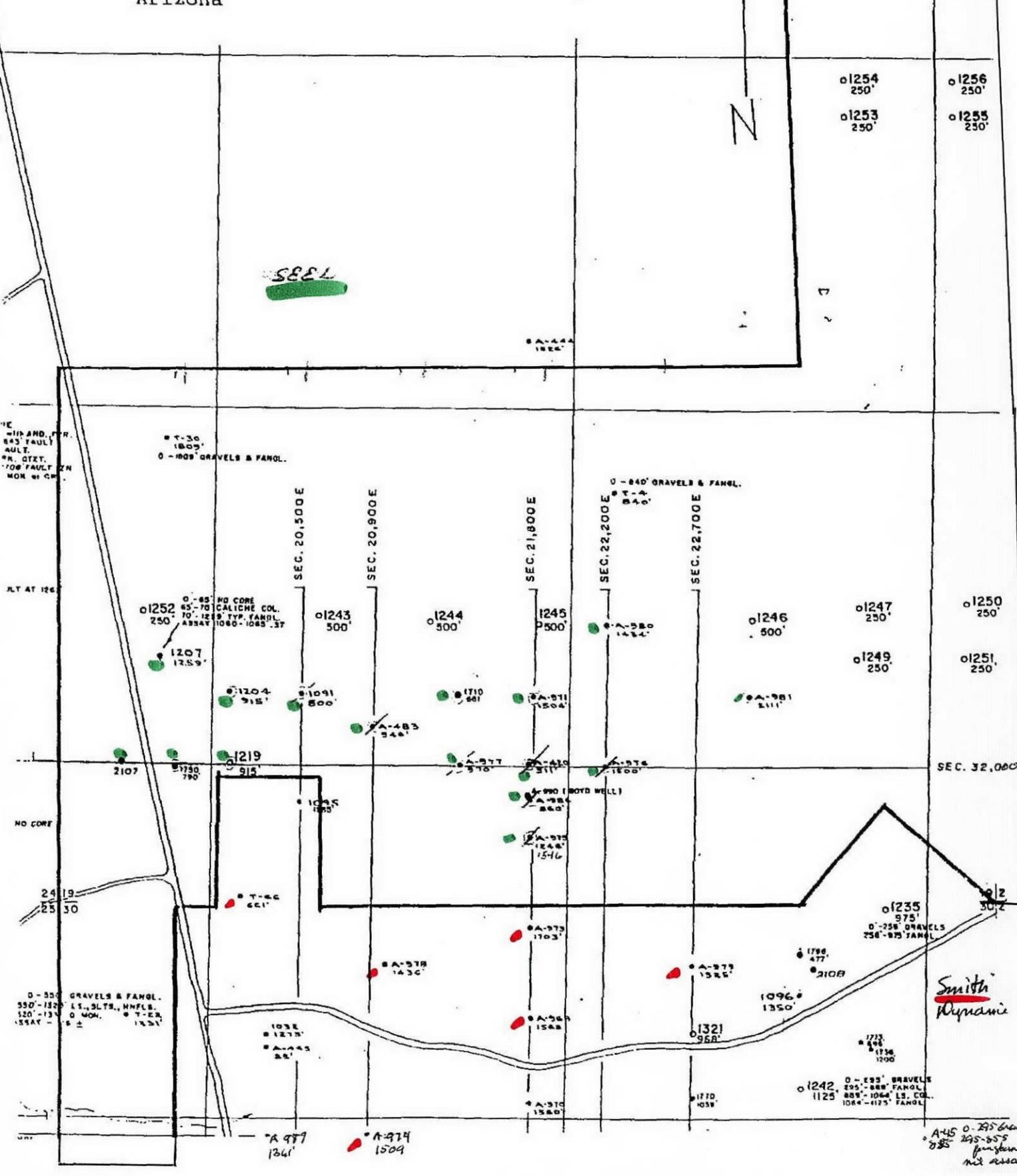
Located in portions of sections 17, 18, 19, 20 and 30, T17S, R13E, Gila and Salt River Base and Meridian, Pima County, Arizona

13/18  
24/19

18/17  
- 19/20

**SEE L**

N



WIND. FR. 843 FAULT AULT. \*R. DTZT. \*708 FAULT 2N MON. W. CH.

ALT AT 126

NO CORE

24/19  
25/30

D-352 GRAVELS & FANOL. 550'-122' LI., SLTS., HWFLS. 120'-134' 0 WOH. \*T-22 ASSAY - 1331

\*T-30 1809' 0-1009' GRAVELS & FANOL.

0-85' NO CORE 65-70' CALICHE COL. 70'-122' TYP. FANOL. ASSAY 1040-1045.37

0-840' GRAVELS & FANOL. \*T-4 840'

\*T-66 661'

1038 1273' \*A-443 22'

0-258' GRAVELS 258'-975' FANOL.

0-235' GRAVELS 235'-888' FANOL. 888'-1064' LI. COL. 1064'-1175' FANOL.

A-45 0-295' gravel 295-855' fanstone no assay

**Smith Dynamic**

Rehash-

NW side → SE side

$$1091 = 131' @ 1.21$$

$$11-483 = 117' @ 0.89$$

$$977 = 75' @ 0.58$$

$$420 = 254' @ 0.78$$

$$976 = 33' @ 1.17$$

$$? 139' - 279' = 140' @ 640 \text{ G.O.X}$$

$$984 = 97' @ 0.55$$

$$975 = 176' @ 0.58$$

---

$$883/7 = 126' @ \frac{478.22}{883} = 0.77$$

$$5400 \text{ NW} \times 1200 \times 126 \div 10 = 82 \text{ million tons @ } 0.77$$

~~at depth of~~

digging along lumbx to SW, 83' - 184' of  $\text{Qal} = 90'00$

Dynamite claim group

- A-969 Weavers 100 mill @ 0.54
- A-973 ~~PD 70 mill @ 0.75~~
- A-974 PD 20 mill tons @ 1.22 several
- A-978 by 100 mill tons @ 0.75
- A-979

+ 4 holes on Smith's center line

also: Notes on:

- T-69 T-68
- T-47 T-44
- T-69
- T-70
- T-45 T-4?
- T-4 ?
- T-71
- T-14

(6)

Seel

420 lmbx surrounded by Fenslements Oxid/sulfid

947 " " " " "

1091 ~~(101)(1.49) + (30)(0.26)~~ " 211' @ 0.29

x-sec + 420 ~~101(1.49) + (30)(0.27) + (25)(1.41) + (40)(0.57) + (43)(.24) = 25~~ (6)

x-sec + ? 947 (112)(0.10) + (61)(0.52) + (14)(0.41) + (22)(0.13)

x-sec < 1091 101' @ 1.49 + 30' @ 0.26 = 131' @ 1.21  $\rightarrow$  157' @ 0.31

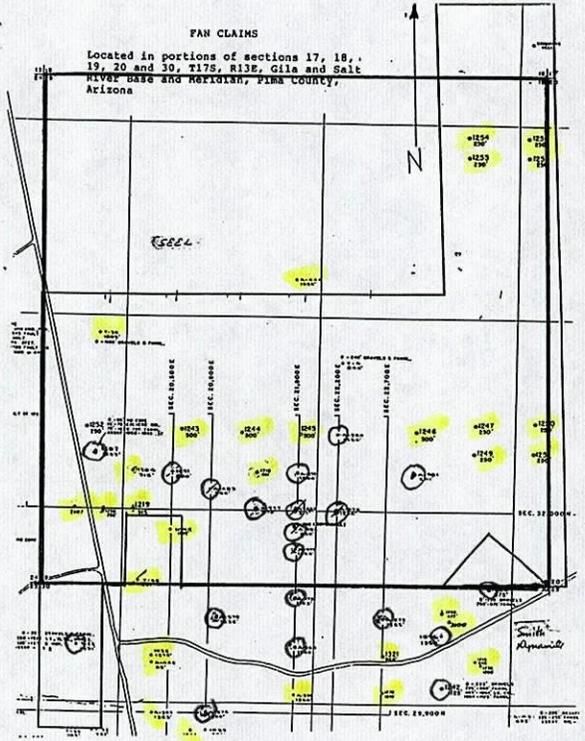
+ 975 150' @ 0.42 or 176' @ 0.50

+ 984 97' @ 0.55 or 198' @ 0.38

+ 976 33' @ 1.17

--- 75' --- --- 157' @ 0.31

117' @ 0.29 603



Sec. 19,  
1" = 2000'

# FAN CLAIMS

Located in portions of sections 17, 18, 19, 20 and 30, T17S, R13E, Gila and Salt River Base and Meridian, Pima County, Arizona

13 | 18  
24 | 19

18 | 17  
19 | 20



SEEL

Sec: 19

WIND AND, OR  
643 FAULT  
AULT.  
"R. QIZT.  
708 FAULT IN  
MON. OR GR.

T-30  
1805'  
0 - 1805' GRAVELS & FANOL.

0 - 840' GRAVELS & FANOL.

RT AT 126

0 - 85' NO CORE  
65 - 70' CALICHE COL.  
70' - 1255' TYP. FANOL.  
ASSAY 1060 - 1085 .37

SEC. 20,500E

SEC. 20,900E

SEC. 21,800E

SEC. 22,200E

SEC. 22,700E

SEC. 32,000E

NO CORE

01252  
250'  
1207  
1259'

01243  
500'

01244  
500'

1245  
500'

01246  
500'

01247  
250'

01250  
250'

01249  
250'

01251  
250'

01219  
915'

1095  
1095'

01710  
661'

01727  
575'

01740  
511'

01776  
1500'

01990 (BOYD WELL)  
01984  
860'

01975  
1244'

01235  
975'  
0 - 758' GRAVELS  
758 - 875' FANOL.

0 - 550' GRAVELS & FANOL.  
550 - 1320' LS., SLTS., MNFLS.  
1320 - 1330' 0 MON. T-22  
ASSAY - 1331'

1032  
01273'  
01445  
83'

01578  
1436'

01569  
1548'

01321  
968'

1796  
477'

2108

1096  
1350'

1715  
896'  
1736  
1200'

01242  
1125'  
0 - 295' GRAVELS  
295 - 889' FANOL.  
889 - 1064' LS. COL.  
1064 - 1125' FANOL.

VOL

01587  
1363'

01574  
1509'

01570  
1560'

01770  
1039'

SEC. 29,900N

0 - 295' GR  
A-A-3: 725 - 855' FA  
855'

Smith  
Dynamite