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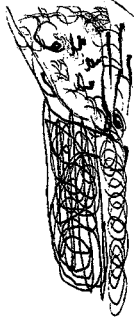
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BILL FOOTE REPORTS

B. Helmsing

MAY 23 1972

TO: PAUL I. EIMON, Manager of Exploration

FROM: K. W. FOOTE, Mining Engineer

RECEIVED

DATE: May 20, 1972

SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited operation at 1330 hours, Tuesday, May 16, 1972, during working hours but no personnel were seen.

No change noted at precipitation plant. Film of precipitates still on drying slab. Rubber mounted crane from precip plant was at acid settling basin to clean out heavy hydrocarbon sludge. Leach lines have not been moved - still spread out over double area. Sprays were not working well. Many nozzles plugged or dribbling because of low pressure.

No change at pit or crushing plant.

Visited operation again about 1500 hours Friday, May 19, 1972. Had hoped to observe shift leaving and get some idea of number. However, most of the cars left site while I was at pit.

Precipitation plant appeared unchanged. The precip launders had not been cleaned and the old film of precipitates was still on the drying slab. There is no detinned scrap in storage but two launders had recently been filled. The leach lines appeared unchanged.

No change at pit or crushing plant. A small tank truck from local union oil distributor was delivering fuel.

From the "calle", it is rumored that the crushing plant Foreman, George Herman, has given notice. Also, they say that all personnel who have accumulated leave are taking it.



K. W. FOOTE

SUMMARY Pit Bottom 3680
cut off = 0.35% 27 BENCHES
To 4200
T waste/T ore = 1.0967
15,584,892 @ 0.520%
Grade greater than 0.49%
= 5,404,432 @ 0.719%
Total tons = 31,943,867
Total units Metal = 8,099,561
Units Metal/T. Tons = 0.25356
Grade less than 0.26% = 4,411,308
Grade UNKNOWN = 6,619,244

Present Pit 82% Cu
2,343,989 TONS TOTAL
T waste/Tons ore = 0.43308
UNITS METAL/TOTAL TONS = 0.52838
TOTAL UNITS METAL 0.35 = 1,238,516.

SAN JUAN MINE

SAFFORD, ARIZONA

Production to early 1972 by Producers

2,343,989 tons at 0.82% Cu

Waste/Ore = 0.4330

Ore reserve - Present Pit (Computer calculations)

0.35% Cu cut off

15,584,892 tons at 0.52% Cu

Waste/Ore = 1.04967

0.50% Cut off

5,404,432 tons at 0.72% Cu

file

44

TO: PAUL I. EIMON, Manager of Exploration
FROM: K. W. FOOTE, Mining Engineer
DATE: April 15, 1972
SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

APR 21 1972
RECEIVED

Visited operation about 1730 hours, Tuesday, April 11, 1972. No personnel were seen but private vehicles were parked at precip plant. Production of cement copper has continued. A small amount of precipitates are heaped up on drying slab. The truck crane and small front end loader, usually at precip plant, were at the acid settling tank removing sludge or tar that has separated from the acid in the settling basin.

The airtrack had been moved back into the pit. Was drilling on the second bench up from the bottom on north side - above the blasted ore. No evidence of ore production or of crushing any quantity of material.


They are building a diversion dam to protect the cleared area to the west of existing pit.

Picked up some rumors and gossip. One, the operation was out of fuel Friday, April 14, 1972. No lights were visible Friday night. Lights were visible Saturday night however.

The building of the Diversion Dam seems to be a busy work project. Also the removal of the older coarse tailing seems to be to get material to repair roads and ramps. This also seems to be "as the mood strikes".

No continued or planned activity discernible.

It is said that "for a long time" the sulfuric acid receiving tank had a big leak in the bottom. Producers' personnel ignored the leak and kept on unloading acid trucks into the tank allowing the acid to drain into formation around and under the tank.



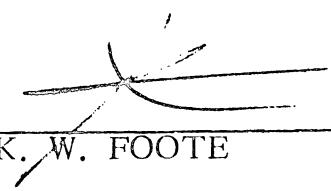
K. W. FOOTE

had been some road repair. No change at crushing plant.

Some rumors from the "Calle". Salary personnel were not paid Saturday, April 15, 1972, but were paid Friday, April 21, 1972. On payday, the hourly workers were told that all problems have been worked out. They would have money Wednesday to start up again.

The pit foreman quit.

At the airport, rumor is that Producers will capitulate. Ted Faulkner was in discussion group.


K. W. FOOTE

EXM
APR 28 1972
RECEIVED

TO: PAUL I. EIMON, Manager of Exploration
FROM: K. W. FOOTE, Mining Engineer
DATE: April 22, 1972
SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited area Sunday, April 16, 1972, at 1700 hours. Only watchman/operator at mine. Mine closed for weekend.

At leach plant, pumps were running and leach solutions were circulating. The level of liquid in the catchment basin below the leach bed was much lower than usual. The drying slab had been swept clean. All precipitates had been removed.

No ore has been removed from the pit. Some waste may have been used in the diversion dam. There is no evidence of crushing ore. The rake classifiers are still dry. The airtrack drill is still located on the north side above the blasted ore.

Visited area Saturday, April 22, 1972, at 1830 hours. Operation down for weekend. Only watchman/operator on duty.

The pumps were running and leach solutions were circulating. There was a small pile of cement copper on drying slab maybe 3' high. The leach lines had not been moved since last visit.

In the pit, the airtrack was at the same location. Apparently, no additional blast holes had been drilled. There had been some clean up around the toe of the shots, but no indication of ore production. Also, there

TO: PAUL I. EIMON, Manager of Exploration
FROM: K. W. FOOTE, Mining Engineer
DATE: April 29, 1972
SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited Producers' operation Wednesday, April 26, 1972, at about 11 hours. This was during normal working hours. However, only personnel noted were two men working near a personal pickup in the crusher area. There were a number of private vehicles in various parking areas indicating that a normal shift was probably present.

At leach plant, pumps were running and solutions were circulating in precipitation launders. There was lots of gas bubbling up in the launders. The drying slab had been cleaned and all precipitates stacked in to a pile about 5' high. Leach line still discharging water on upper or North end of beds.

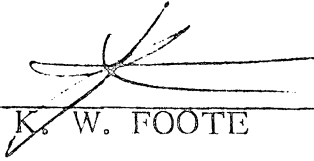
No additional work in pit. All equipment was idle.

Crusher plant appears unchanged. No sign of operation.

A truck was approaching the operation with a semi load of detinned scrap maybe 20 tons.

Acid deliveries have continued. Rumor is the acid trailers were almost impounded or at least they had a warning from Arizona Highway Department over license plates.

Of possible interest--Eldon Clarke is reported to have said that the delay in awarding the Metcalf contract was due to Phelps Dodge reconsidering Safford project. He felt they might proceed with Safford instead of Metcalf.



K. W. FOOTE

TO: PAUL I. EIMON, Manager of Exploration
FROM: K. W. FOOTE, Mining Engineer
DATE: May 6, 1972
SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

MAILED
MAY 15 1972
RECEIVED

Visited property about 1545 hours Wednesday, 3 May 72.

Passed the shift on way to mine. Only watchman/operator on duty.

At leach plant only half of normal solution was being circulated.

Drying slab was clean with a small pile, about three feet high of precipitates.

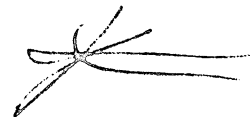
There were no noticeable changes at pit and crusher.

Visited property again Saturday 6 May 72 at about 1800 hours.

Operation down for weekend. Only operator/watchman on duty.

At leach plant a film of precipitates had been placed on drying slab. The small pile was still there. Some leach lines had been moved to central part of beds.

No sign of operation at crusher and the pit appeared unchanged.



TO: PAUL I. EIMON, Manager of Exploration
FROM: K. W. FOOTE, Mining Engineer
DATE: May 13, 1972
SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

X M
MAY 17 1972
RECEIVED

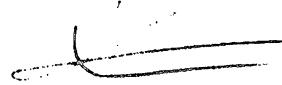
Checked operation during weekend. No significant change noted.
As mine was down for weekend only, watchman/operator was on duty.

At leach plant, a film of cement copper had recently been placed
on drying slab and a small pile of dried precipitates about three feet high
had been left from last week. The launders had been recharged and
were bubbling strongly.

The leach lines had changed to spread water to almost double
the area usually being wetted.

No change noted in pit. Most equipment still parked.

The crushing plant could have been operated for a short period
for testing.



K. W. FOOTE

Paul Eimon

100

MAY 23 1972

RECEIVED

TO: PAUL I. EIMON, Manager of Exploration
FROM: K. W. FOOTE, Mining Engineer
DATE: May 20, 1972
SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited operation at 1330 hours, Tuesday, May 16, 1972, during working hours but no personnel were seen.

No change noted at precipitation plant. Film of precipitates still on drying slab. Rubber mounted crane from precip plant was at acid settling basin to clean out heavy hydrocarbon sludge. Leach lines have not been moved - still spread out over double area. Sprays were not working well. Many nozzles plugged or dribbling because of low pressure.

No change at pit or crushing plant.

Visited operation again about 1500 hours Friday, May 19, 1972. Had hoped to observe shift leaving and get some idea of number. However, most of the cars left site while I was at pit.

Precipitation plant appeared unchanged. The precip launders had not been cleaned and the old film of precipitates was still on the drying slab. There is no detinned scrap in storage but two launders had recently been filled. The leach lines appeared unchanged.

No change at pit or crushing plant. A small tank truck from local union oil distributor was delivering fuel.

From the "calle", it is rumored that the crushing plant Foreman, George Herman, has given notice. Also, they say that all personnel who have accumulated leave are taking it.



K. W. FOOTE

copy to:
H. Lanier
L. Smith

8 5 44
MAY 31 1972
RECEIVED

TO: PAUL I. EIMON, Manager of Exploration
FROM: K. W. FOOTE, Mining Engineer
DATE: May 27, 1972
SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited operation at about 1200 hours Thursday, May 25, 1972.

On way up, passed a small blue car pulling a small U-Haul trailer with two, four drawer, office files in it.

The visit was during normal lunch hour. Only personnel noted were at office trailer and maybe 8 or 10 men eating lunch in garage. Mitchell's blue Datsun was not parked at office trailer.

At precip plant, film of precipitates was still on drying slab. No scrap was visible above the liquid in the precip launders. No change in the distribution pattern of the leach lines. A tractor had been making new ponds over the fine material east of the main leach beds.

No change noted at pit or crusher.

Talked to people from El Paso. Sulfuric acid plant in central El Paso is considered a nuisance. Has ruined paint jobs on cars parked in the area with droplets of acid. The Insurance Company paid all claims to date and cancelled the policy. Acid damage has continued and people in the area are planning to sue the company directly.


K. W. FOOTE

TO: PAUL I. EIMON, Manager of Exploration

FROM: K. W. FOOTE, Mining Engineer

DATE: June 10, 1972

SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited operation at about 1700 hours, Tuesday, 6 June 72, after regular working hours. An operator/watchman was on duty. Drying slab unchanged. Some detinned scrap had been charged from truck spillage and stockpile. Three launders were heaped. Leachlines unchanged.

No change at pit or crusher.


Visited operation again at 1800 hours, Thursday, 8 June 72, after regular working hours. Only operator/watchman on duty. The three launders had been flushed and scrap was visible in only two launders. It seems that they have been working scrap with a magnet in the launders as the crane is rigged with magnet and drag bucket is still where last used at acid settling basin. A film of precipitates was on slab. Two panels of leach lines have been moved to north edge of beds.

No change at pit or crusher.

From the "calle" Mr. Moulds was seen at operation late afternoon, Wednesday, 7 June 72.

Current production is said to be "almost" one ton of precips per day with consumption of two pounds iron per pound precips produced.

that two additional trucks for a total of five (5) for week ending 27 May 72.
As the trucks are weighed by their drivers, the above numbers are minimum.
It is possible that trucks slipped by without being noted.



K. W. FOOTE

TO: PAUL I. EIMON, Manager of Exploration

FROM: K. W. FOOTE, Mining Engineer

DATE: June 3, 1972

SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited operation at about 1500 hours, Monday 29 May 72. It was Memorial Day and no work was scheduled. An operator/watchman was probably on duty but was not seen.

At precip plant, the drying slab had been cleaned and all precipitates removed. No scrap was visible in the launders, but two launders were bubbling, indicating iron was present. The crane was rigged with a magnet so they had just charged some ~~Scrap~~ or were expecting scrap delivery. All leach lines had been moved to north half of beds.

In the pit a bulldozer had been working on top of the blasted ore, one bench up from bottom. Possibly to improve access to water line from P.D. No change at crusher.

Visited operation again at about 1700 hours, Saturday 3 June 72. Operation down for weekend. Operator/watchman on duty at leach plant.

Detinned scrap had been received and a few vats were heaped. The drying slab had been cleaned and a small heap of cement copper (about 3' high) was piled on slab.

No change at pit or crusher.

Acid deliveries averaged 3 trucks per week during May, except that

that two additional trucks for a total of five (5) for week ending 27 May 72.

As the trucks are weighed by their drivers, the above numbers are minimum.

It is possible that trucks slipped by without being noted.



K. W. FOOTE

TO: PAUL I. EIMON, Manager of Exploration

FROM: K. W. FOOTE, Mining Engineer

DATE: June 10, 1972

SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited operation at about 1700 hours, Tuesday, 6 June 72, after regular working hours. An operator/watchman was on duty. Drying slab unchanged. Some detinned scrap had been charged from truck spillage and stockpile. Three launders were heaped. Leachlines unchanged.

No change at pit or crusher.

Visited operation again at 1800 hours, Thursday, 8 June 72, after regular working hours. Only operator/watchman on duty. The three launders had been flushed and scrap was visible in only two launders. It seems that they have been working scrap with a magnet in the launders as the crane is rigged with magnet and drag bucket is still where last used at acid settling basin. A film of precipitates was on slab. Two panels of leach lines have been moved to north edge of beds.

No change at pit or crusher.

From the "calle" Mr. Moulds was seen at operation late afternoon, Wednesday, 7 June 72.

Current production is said to be "almost" one ton of precip per day with consumption of two pounds iron per pound precip produced.

Five acid trucks of estimated 36,000 pounds each were delivered this week. The weight of acid delivered per truck varies from about 20,000 pounds to 40,000 pounds. 36,000 pounds is said to be a good average.

Some gossip from El Paso. The County Assessor's office gives Chemical Producers Corporation as owner of 11 F-2, Block 2 of Ascarate Grant. The area is 3.373 acres not 3373 acres.

It is said that Chemical Producers Corporation is being sued by El Paso Pipe & Supply for \$1,000,000 damage to inventory caused by atmospheric pollution.

There have been numerous complaints against Chemical Producers for pollution. The technicians from El Paso Pollution Control Office monitor the area around Chemical Producers plant frequently. When asked what they are finding, the technicians will not answer. They say the records are on file in the office and could be obtained to support a damage suit.

About one year ago Aetna Insurance Company is said to have settled about \$300,000 in damage claims for Chemicals Producers. This was mostly paint damage. The particles escaping from the stack would turn paint black. Aetna requested Chemicals Producers to install pollution control equipment. Chemical Producers responded by installing a crude filter on the stack which did not prove effective. Aetna gave notice and cancelled insurance.



K. W. FOOTE

TO: PAUL I. EIMON, Manager of Exploration
FROM: K. W. FOOTE, Mining Engineer
DATE: June 17, 1972
SUBJECT: Information on PRODUCERS MINERAL CORPORATION,
Safford, Arizona

Visited operation at about 1330 hours, Tuesday, 13 June 72. This was during normal working hours. No production work was in progress. Saw the operator of leach plant, one person in a pickup and one mechanic near the garage. There were several personal cars on site indicating a normal shift turnout.

At the leach plant, the drying slab had been cleaned. The pile of precipitates was now about 4' high. No scrap was above the level of the liquid in the launders. There was bubbling in two launders indicating iron was still present. No change in leach lines.

No change at pit or crusher.

The pit front end loaders remain parked at the shop with buckets off.

The small tank truck from the local Union Oil Distributor was delivering fuel.

Week Ending 24 June 72

Visited property at 1530 hours, Tuesday, 20 June 72.

At precip plant, three launders were heaped with scrap. Precip had been removed from slab and new film spread out.

Four panels of leach lines on south edge of leach beds.

No change at pit or crusher.

Seven loads of H₂ So₄ were delivered in week ending 17 June 72.

Met James E. Mitchell, General Manager. Was advised to request permission to enter Producers' property. Later received registered letter. Copy sent to Tucson office.



K. W. FOOTE

TO: PAUL I. EIMON, Manager of Exploration

DATE: July 10, 1972

INFORMATION ON PAST OPERATIONS AT P. M. C. - SAFFORD, ARIZONA

This information was gleaned from casual conversations with former employees and people who have been associated with the operation.

After taking over from E. T. Scruggs, Producers tried to continue operation of the existing plant. The crushers were fed with front end loaders from the pit. There were many problems with over size and poor mechanical reliability of crushing plant. The original plant continued in operation until completion of the present plant - about July, 1970. No accurate estimate of daily production is available, but it is not believed to have exceeded 1000 tons per day on an average.

Construction of the existing plant was said to have started about October, 1969. Crushing of ore started about 15 July 70. Production from the new plant reached about 90,000 tons/month.

The work force reached a peak of about 105 men at the completion of construction and beginning of mining. There was a drop in employment to about 80 men by June, 1971. On 26 June 1971 active mining was stopped. A skeleton crew of about 25 men was retained to keep the leach plant in operation. At this time the work week was cut from 7 days to 5 days. Several employees have since left Producers, apparently from boredom or looking for more active jobs with overtime pay.

Production of precipitates reached a peak of 8 to 10 tons/day in late 1970. This rate of production could be achieved only with fresh ore. The original

plan seemed to be based on 20' lifts on the beds, ~~To~~ to get at the beds faster, the lift height was cut to 15', then changed to 10'. Then every so often the order was given "just level it off so we can put the leach lines on."

Also at this time there was competition between the shift supervisors which seemed to be based on total tons moved. Therefore, when there were problems at the crusher, the material was declared waste and sent to the waste dumps.



K. W. FOOTE



E. GROVER HEINRICHS & ASSOCIATES

SUITE 110-4 1802 W. GRANT ROAD
TUCSON, ARIZONA, 85745 U.S.A.
(602) 624-7424 325-1514

Pg. 1 of 2

Inventory Box 1

SAN JUAN DATA

FROM EGH & A Collection 1-25-89

- 1/30/90 a ✓ 1. Summary Safford Proj.
by Essex International 12/73
- 2/6/90 - 2. K.W. Foote Memo on
Producers Mineral Corp. 3/27/72
- 1/30/90 b 3. Peacock (San Juan) Mine Design
by R. Bideaux et al 7/71
- 2/8/90 - 4. Sampling & Testing San Juan Mine
by Mountain States R & D 10/73
- 1/30/90 c ✓ 5. Assays P-Series Drill Holes
- 1/30/90 c 6. Geologic Logs P-Series Drill Holes
- 2/7/90 7. Kerr - McGee Report
6/65
- 2/8/90 - 8. CASH Flow Analysis
by C.E.O. 1/72
- 1/30/90 c 9. Reserve Calculations
by D. Temple 5/73
- 1/30/90 e 10. Cross Sections
Series E10,600 thru E12,100
Scale 1" = 200'
- 2/6/90 Collected 11. Claim MAP Turab (San Juan) Group
- 1/30/90 f ✓ 12. Drill Hole Location P-Series also Item 3
MAP Scale 1" = 100'

continued

2-8-90
✓ 13.
Rolled

MAP 1" = 500' Alteration &
MINERALIZATION MAY 1973

2-8-90
✓ 14.
Rolled

MAGNETICS & I.P. RESPONSE
1" = 500' July 1972

✓ 15.

Geology 1" = 500' NOV. 1972

Same as
Item 1 Box 2

added
on w/m
Colled

16.

Claim MAP 1" = 500 NOV. 1972

Inventory of Items San Juan DATA
From EGH & A Collection 1-25-89

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1 2 3 4 5
Box 2 pg 1 of 1

1	Same as Item 15 (Bot 1) Rotted			
2	1. Geology Map (colored) Scale 1"=500'	Essex	San Juan	Acct by Melting
5	2. Two Air photos (4 sent to West) dated, 7-6-73 Scale 1:3000	No. 2-2 & 1-1		
7	3. Map Mylar Coordinates & Drill holes (sent already)			Scale 1"=100'
10	4. Safford Area Parcel 20	Claim Notes		BT items in file
13	5. TAX info	2 letters dated April 2, 1973		" 15, 1973
15		from Bud Jones to Graham County Attorney		to Dept of Property Valuation
17		Property tax notice to Producers Mineral Co.		from County dated for period Jan. 1 1971
19		to Dec. 31, 1971		
21	6. D.H. Coordinate file			7 items
23	7. E.S. 4 file			14 items
24	8. Pit Profile & elev. file			8 items
25	9. San Juan water considerations file			
26	10. Title Info file			8 items
27	11. D.W. Blake Thesis maps etc			9 items
28	12. Scruggs Mng. Co. Report			(Red bound cover)
29	13. Reserve Calculations			110 pgs. yellow pads sheets (purple folder)
31		KCLR V RA P series, RV series		87 pages
32	15. Map	1"=100'	Proposed D.H. pattern	
33	16. Producers Mineral Corp. Safford Proj. Report			
34	17. Lyall J. Licity Report		dated March 1976	
35			dated June 1973	
36	18. Evaluation Study by Melting & Frank Coolbaugh			
37	19. SKETCH MAP 8 1/2 x 11		July, 1971	
38		for photo control		
39	20. Photo Index	1"=1000'	8/73	Map
40	21. I.P. Effect			1 sheet Report
40	22. Topo Map	15 min. series	date 1960	