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The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HAPPY GEAN GROUP

ALTERNATE NAMES:
BERNARDE MINE
SUNNYSIDE

LA PAZ COUNTY MILS NUMBER: 3

LOCATION: TOWNSHIP 10 N RANGE 13 W SECTION 19 QUARTER W2
LATITUDE: N 34DEG 11MIN 46SEC LONGITUDE: W 113DEG 39MIN 20SEC
TOPO MAP NAME: IVES PEAK - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
COPPER OXIDE
SILVER
GOLD LODE

BIBLIOGRAPHY:
AZBM FILE DATA
ADMMR HAPPY GEAN MINE FILE
OLD MILL SITE IS IN T10N,R14W,SEC.24 NW

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date March 19, 1941

Mine Happy Gene Mine

Location 8 miles down river from
Alamo crossing

Mining District & County - Santa Maria Dist.
Yuma County

Former Name

Owner George Bernarde

Address Bouse, Arizona

Operator

Address

President, Owning Co.

President, Operating Co.

Gen. Mgr.

Principal Minerals - Gold, Lead
and other minerals

Mine Supt.

Production Rate

Mill Supt.

Mill: Type & Cap. - 10-ton Herman
Ball mill

Men Employed - One, owner

Power: Amt. & Type - Gasoline -
Studebaker

Operations: Present - Tunnel and road work.

Operations: Planned - Depending on financing.

Number Claims, Title, etc. - 14 unpatented claims.
Filed affidavit of labor each year.
Loacted in 1914.

Description: Topography & Geography - Rugged steep country.
Crosses Bill Williams river.

Mine Workings: Amt. & Condition - 7 tunnels - 20 ft. to 110 ft.
6 opencuts
One 15 ft. shaft.

Geology & Mineralization - Gneiss-diorite and sedimentary, lime and sandstone.

Ore: Positive & Probable, Ore Dumps, Tailings - Large tonnage in sight, not blocked.
Claim 2,000,000 tons probable
200 tons dump.

Dimensions and Value of Ore body - Average 3 to 5 ft. width of pay ore, over a mile
in length.
Mill tests: \$10 gold; 5 to 10% lead; 1 to 3% copper; 1% zinc;
2 $\frac{1}{2}$ % vanadium; 2 $\frac{1}{2}$ % molybdenum; and some uranium.

Mine, Mill Equipment & Flow-Sheet - I.R. Compressor, Herman Ball Mill, 50-ton crusher,
Tracy concentrating table.

Road Conditions, Route - 31 miles from Bouse to camp, 12 miles on Swansea Road, then
Townsend (or Bernade road) to right to mine, 19 miles.
good road.

Water Supply - 50 ft. well. Fine domestic water and enough for small mill.
Flow can be increased.

Brief History - Have done work practically alone, with little or no help.

Special Problems, Reports Filed - Vein dips 62%.

Remarks - Adjoins Townsend mine.

If property for sale: Price, terms and address to negotiate - Price \$100,000;
Cash \$10,000
and 10% royalty on balance. Would discuss terms and
conditions with responsible people.

(SIGNED) - George Bernardo

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

1. Mine *Happy Jean Mine*
2. Location *8 miles down river from Alamo Crossing.*
3. Mining District & County *Santa Maria Mining District Yuma County*
4. Former name
5. Owner *Genr Bernarde* ✓
6. Address (Owner) *Brise -*
7. Operator
8. Address (Operator)
9. President, Owning Co.
- 9A. President, Operating Co. ✓
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Men Employed *1 - owner -*
14. Principal Minerals *Gold - Lead & other minerals*
15. Production Rate
16. Mill: Type & Cap. *10 ton Herman ^{Ball} mill*
17. Power: Amt. & Type *Gasoline. Studebaker*
18. Operations: Present *Tunnel & road work.*
19. Operations: Planned *Depending on financing*
20. Number Claims, Title, etc. *14 unpatented claims. Filed affidavit of labor each year. Located in 1914*
21. Description: Topography & Geography *Rugged steep country - crosses Bill Williams River -*
22. Mine Workings: Amt. & Condition *7 tunnels - 20 ft. to 110 ft. 6 open cuts - 11-15 ft. shaft.*

23. Geology & Mineralization

Quartz - diorite & sedimentary - lime
sandstones

24. Ore: Positive & Probable, Ore Dumps, Tailings

Large tonnage in sight -
not blocked - claim 2,000,000 tons probable
200 tons - dump.

24A. Dimensions and Value of Ore body

average ^{2 1/2} 5 ft. width of pay ore
on a mile in length.
mill tests - 2/10 gold - 5 to 10% lead - 1 to 3% copper. 1/10 zinc
2 1/2% vanadium 2 1/2% molybdenum

25. Mine, Mill Equipment & Flow-Sheet

And some uranium -
S.P. equipment - Herman Ball Mill - 50 ton crusher
tracy concentrating table -

26. Road Conditions, Route

31 miles from Boise to camp - ~~on the~~ 12
miles on Aransas Road - then Townsend (on Bernade road)
to right - to mine - 19 miles. Good road.

27. Water Supply

- 50 ft. well - fine domestic water, and enough
for small mill - ~~flow~~ flow can be increased.

28. Brief History

Has done work practically alone - with little or
no help.

29. Special Problems, Reports Filed

Vein dips 62%.

30. Remarks

- Adjacent Townsend mine -

31. If property for sale: Price, terms and address to negotiate.

700,000 - price - \$10,000 cash
and 10% Royalty on balance - would discuss terms &
conditions with responsible people.

32. Signature

George Bernade

33. Use additional sheets if necessary.

pd

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date Feb. 19 / 55
 Name of Mine Happy Steam
 Owner or Operator Oliver Marshall
 Address 3939 N. 6th St Phoenix and
 Mine Location Bouse, Ariz.

Filing Information

File System.....
 File No.....
 This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production ; Development ; Financing.....; Sale of mine.....;
 Experimental (sampling) ; Owner's occasional trip ;
 Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months 1000
 Approx. present rate per 3 months "
 Anticipated rate next 3 months 700
 If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	1 40	400	25
Light or Service Trucks			
Ore Hauling Trucks	1 60	500	45
Compressors	1 80		200
Other Mine or Mill Eqpt.	1 7 pump		30

500 per mo.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Lead Copper

REMARKS:

Old mine starting operations machinery installed

ARIZONA DEPARTMENT OF MINERAL RESOURCES

By A. Macfarlane

NAME OF MINE: HAPPY GEAN
OWNER:

COUNTY: Yuma
DISTRICT:
METALS: Pb,Cu,Au

OPERATOR AND ADDRESS		MINE STATUS	
Date:	Olin Marshall, 3839-N--6th-st	Date:	
2/45	Phoenix Bouse	2/45	Developing
3/47	Geo. Bernard, Bouse	12/46	Idle
		3/47	Mining and milling

HAPPY GEAN MINE

Pb, Cu, Au, Ag

Yuma

14 - 2

T 10 N, R 14 W

George Bernarde, Bouse

'45

V MH-22

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine HAPPY GEAN

Date February 11, 1940.

District ELLSWORTH, Yuma County.

Engineer Elgin B. Holt.

Subject:

SYNOPSIS REPORT

- OWNER: Geo. Bernarde, Bouse, Arizona.
- LOCATION: Buckskin Mountains, 32 miles north of Bouse.
- Metals: Gold, \$10.00 per ton; silver 3.0 ozs. per ton; lead 7%.
These assays represent mill-head values.
- MILL: Consists of 10-ton Hermann ball mill, concentrating table, located on Williams River. First grade concentrate is melted into gold button.
- VEINS: Six parallel veins, from 2 ft. to 18 feet wide; also four cross-veins.
- DEV. WORK: Seven tunnels have been driven on ore veins, from 10 to 110 feet in length; also one shaft 15 feet deep.
- TERMS: Property is being worked by owner at the present time. He is not offering it for sale; but would probably consider an equitable deal.

The above notes were furnished me by owner, Mr. Bernarde, in Bouse. To date, I have not visited this mine; but expect to do so at a later time. From the above description, it has the ear-marks of a good little property.

jd

DEPARTMENT OF MINERAL RESOURCES

REPORT TO OPA ON ACTIVE MINING PROJECT

Date Feb. 19 / 45
 Name of Mine Happy Jean
 Owner or Operator W. H. Marshall
 Address 3839 N. 6th St Phoenix and
 Mine Location Bouse, Ariz.

Filing Information

File System.....
 File No.....
 This chart to be used for gallons of gasoline required per month.

PRESENT OPERATIONS: (check X)

Production ; Development ; Financing.....; Sale of mine.....;
 Experimental (sampling) ; Owner's occasional trip ;
 Other (specify).....

PRODUCTION: Past and Future.

Tons

Approx. tons last 3 months Idle
 Approx. present rate per 3 months "
 Anticipated rate next 3 months 700
 If in distant future check (X) here

EQUIPMENT OPERATED:

Type	Quantity or Horse Power	Miles or Hours Per Month	Gallons Required Per Month
Personal Cars	1 40	400	25
Light or Service Trucks			
Ore Hauling Trucks	1 60	500	45
Compressors	1 80		200
Other Mine or Mill Eqpt.	1 2 pump		30
			500 per mo.

PRODUCT PRODUCED OR CONTEMPLATED: Name metals or minerals.

Lead Copper

REMARKS:

Old mine starting operations machinery installed

By A. Macfarlane

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

Date March 19, 1941

Mine Happy Gene Mine Location 8 miles down river from Alamo crossing

Mining District & County - Santa Maria Dist.
Yuma County

Former Name

Owner George Bernarde Address Bouse, Arizona

Operator Address

President, Owning Co. President, Operating Co.

Gen. Mgr. Principal Minerals - Gold, Lead and other minerals

Mine Supt. Production Rate

Mill Supt. Mill: Type & Cap. - 10-ton Herman Ball mill

Men Employed - One, owner Power: Amt. & Type - Gasoline - Studebaker

Operations: Present - Tunnel and road work.

Operations: Planned - Depending on financing.

Number Claims, Title, etc. - 14 unpatented claims.
Filed affidavit of labor each year.
Loacted in 1914.

Description: Topography & Geography - Rugged steep country.
Crosses Bill Williams river.

Mine Workings: Amt. & Condition - 7 tunnels - 20 ft. to 110 ft.
6 opencuts
One 15 ft. shaft.

Geology & Mineralization - Gneiss-diorite and sedimentary, lime and sandstone.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OPERATOR'S REPORT

Ore: Positive & Probable, Ore Dumps, Tailings - Large tonnage in sight, not blocked.
Claim 2,000,000 tons probable
200 tons dump.

Location 8 miles down river from
Alamo crossing

Happy Gene Mine

Mine

Dimensions and Value of Ore body - Average 3 to 5 ft. width of pay ore, over a mile
in length.
Mill tests: \$10 gold; 5 to 10% lead; 1 to 3% copper; 1% zinc;
2 1/2% vanadium; 2 1/2% molybdenum; and some uranium.

Mine, Mill Equipment & Flow-Sheet - I.R. Compressor, Herman Ball Mill, 50-ton crusher,
Tracy concentrating table.

Principal Minerals - Gold, Lead
and other minerals

Road Conditions, Route - 31 miles from Bouse to camp, 12 miles on Swansea Road, then
Townsend (or Bernado road) to right to mine, 19 miles.
good road.

Power: Amt. & Type - Gasoline -
Studebaker

Man Employed - One, owner

Water Supply - 50 ft. well. Fine domestic water and enough for small mill.
Flow can be increased.

Brief History - Have done work practically alone, with little or no help.

Special Problems, Reports Filed - Vein dips 62%.
Filed with Division of Labor each year.
Located in 1914.

Remarks - Adjoins Townsend mine.
Crosses Bill Williams river.

If property for sale: Price, terms and address to negotiate - Price \$100,000;
Cash \$10,000
and 10% royalty on balance. Would discuss terms and
conditions with responsible people.

(SIGNED) - George Bernarde

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

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Former Name

Owner George Bernarde

Address Bouse, Arizona

Operator

Address

President, Owning Co.

President, Operating Co.

Gen. Mgr.

Principal Minerals - Gold, Lead
and other minerals

Mine Supt.

Production Rate

Mill Supt.

Mill: Type & Cap. - 10-ton Herman
Ball mill

Men Employed - One, owner

Power: Amt. & Type - Gasoline -
Studebaker

Operations: Present - Tunnel and road work.

Operations: Planned - Depending on financing.

Number Claims, Title, etc. - 14 unpatented claims.
Filed affidavit of labor each year.
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STATE OF ARIZONA
MINE OPERATOR'S REPORT

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Claim 2,000,000 tons probable
200 tons dump.

Location 8 miles down river from
Alamo crossing

Happy Gene Mine

Dimensions and Value of Ore body - Average 3 to 5 ft. width of pay ore, over a mile
in length.
Mill tests: \$10 gold; 5 to 10% lead; 1 to 3% copper; 1% zinc;
2 1/2% vanadium; 2 1/2% molybdenum; and some uranium.

Mine, Mill Equipment & Flow-Sheet - I.R. Compressor, Herman Ball Mill, 50-ton crusher,
Tracy concentrating table.

Principal Minerals - Gold, Lead
and other minerals

Road Conditions, Route - 31 miles from Bouse to camp, 12 miles on Swansea Road, then
Townsend (or Bernado road) to right to mine, 19 miles.
good road.

Power: Amt. & Type - Gasoline
Studebaker

Man Employed - One, owner

Water Supply - 50 ft. well. Fine domestic water and enough for small mill.
Flow can be increased.

Brief History - Have done work practically alone, with little or no help.

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DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

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Mining District & County - Santa Maria Dist.
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Former Name

Owner George Bernarde

Address Bouse, Arizona

Operator

Address

President, Owning Co.

President, Operating Co.

Gen. Mgr.

Principal Minerals - Gold, Lead
and other minerals

Mine Supt.

Production Rate

Mill Supt.

Mill: Type & Cap. - 10-ton Herman
Ball mill

Men Employed - One, owner

Power: Amt. & Type - Gasoline -
Studebaker

Operations: Present - Tunnel and road work.

Operations: Planned - Depending on financing.

Number Claims, Title, etc. - 14 unpatented claims.

Filed affidavit of labor each year.

Loacted in 1914.

Description: Topography & Geography - Rugged steep country.

Crosses Bill Williams river.

Mine Workings: Amt. & Condition - 7 tunnels - 20 ft. to 110 ft.

6 opencuts

One 15 ft. shaft.

Geology & Mineralization - Gneiss-diorite and sedimentary, lime and sandstone.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OPERATOR'S REPORT

Ore: Positive & Probable, Ore Dumps, Tailings - Large tonnage in sight, not blocked.
March 19, 1941 Claim 2,000,000 tons probable
200 tons dump.

Location 8 miles down river from
Alamo crossing Happy Gene Mine

Dimensions and Value of Ore body - Average 3 to 5 ft. width of pay ore, over a mile
in length.
Mill tests: \$10 gold; 5 to 10% lead; 1 to 3% copper; 1% zinc;
2 1/2% vanadium; 2 1/2% molybdenum; and some uranium.

Mine, Mill Equipment & Flow-Sheet - I.R. Compressor, Herman Ball Mill, 50-ton crusher,
Tracy concentrating table.

Principal Minerals - Gold, Lead
and other minerals

Road Conditions, Route - 31 miles from Bouse to camp, 12 miles on Swansea Road, then
Townsend (or Bernado road) to right to mine, 19 miles.
good road.

Power: Amt. & Type - Gasoline
Man Employed - One, owner

Water Supply - 50 ft. well. Fine domestic water and enough for small mill.
Flow can be increased.

Brief History - Have done work practically alone, with little or no help.

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STATE OF ARIZONA
MINE OWNER'S REPORT

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Former Name

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Operator Address
President, Owing Co. President, Operating Co.

Gen. Mgr. Principal Minerals - Gold, Lead and other minerals

Mine Supt. Production Rate

Mill Supt. Mill: Type & Cap. - 10-ton Herman Ball mill

Men Employed - One, owner Power: Amt. & Type - Gasoline - Studebaker

Operations: Present - Tunnel and road work.

Operations: Planned - Depending on financing.

Number Claims, Title, etc. - 14 unpatented claims.
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Crosses Bill Williams river.

Mine Workings: Amt. & Condition - 7 tunnels - 20 ft. to 110 ft.
6 opencuts

One 15 ft. shaft.

Geology & Mineralization - Gneiss-diorite and sedimentary, lime and sandstone.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OPERATOR'S REPORT

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March 19, 1941
Claim 2,000,000 tons probable
200 tons dump.

Location 8 miles down river from
Alamo crossing
Happy Gene Mine

Dimensions and Value of Ore body - Average 3 to 5 ft. width of pay ore, over a mile
in length.
Mill tests: \$10 gold; 5 to 10% lead; 1 to 3% copper; 1% zinc;
2 1/2% vanadium; 2 1/2% molybdenum; and some uranium.

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Tracy concentrating table.

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and other minerals

Road Conditions, Route - 31 miles from Bouse to camp, 12 miles on Swansea Road, then
Townsend (or Bernado road) to right to mine, 19 miles.
good road.

Power: Amt. & Type - Gasoline
Studebaker

Water Supply - 50 ft. well. Fine domestic water and enough for small mill.
Flow can be increased.

Brief History - Have done work practically alone, with little or no help.

Special Problems, Reports Filed - Vein dips 62%.

Remarks - Adjoins Townsend mine.

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STATE OF ARIZONA
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Former Name

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Operator Address
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Mine Supt. Production Rate

Mill Supt. Mill: Type & Cap. - 10-ton Herman Ball mill

Men Employed - One, owner Power: Amt. & Type - Gasoline - Studebaker

Operations: Present - Tunnel and road work.

Operations: Planned - Depending on financing.

Number Claims, Title, etc. - 14 unpatented claims.
Filed affidavit of labor each year.
Loacted in 1914.

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6 opencuts
One 15 ft. shaft.

Geology & Mineralization - Gneiss-diorite and sedimentary, lime and sandstone.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

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March 19, 1941 Claim 2,000,000 tons probable
200 tons dump.

Location 8 miles down river from
Aizms crossing

Happy Gene Mine

Dimensions and Value of Ore body - Average 3 to 5 ft. width of pay ore, over a mile
in length.

Mill tests: \$10 gold; 5 to 10% lead; 1 to 3% copper; 1% zinc;
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good road.

Water Supply - 50 ft. well. Fine domestic water and enough for small mill.
Flow can be increased.

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STATE OF ARIZONA
MINE OWNER'S REPORT

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Operator

Address

President, Owning Co.

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Gen. Mgr.

Principal Minerals - Gold, Lead and other minerals

Mine Supt.

Production Rate

Mill Supt.

Mill: Type & Cap. - 10-ton Herman Ball mill

Men Employed - One, owner

Power: Amt. & Type - Gasoline - Studebaker

Operations: Present - Tunnel and road work.

Operations: Planned - Depending on financing.

Number Claims, Title, etc. - 14 unpatented claims.

Filed affidavit of labor each year.

Loacted in 1914.

Description: Topography & Geography - Rugged steep country.

Crosses Bill Williams river.

Mine Workings: Amt. & Condition - 7 tunnels - 20 ft. to 110 ft. ;

6 opencuts

One 15 ft. shaft.

Geology & Mineralization - Gneiss-diorite and sedimentary, lime and sandstone.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OPERATOR'S REPORT

Ore: Positive & Probable, Ore Dumps, Tailings - Large tonnage in sight, not blocked.
March 19, 1941
Claim 2,000,000 tons probable
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Location 8 miles down river from
Alamo crossing
Happy Gene Mine

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2 1/2% vanadium; 2 1/2% molybdenum; and some uranium.

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Water Supply - 50 ft. well. Fine domestic water and enough for small mill.
Flow can be increased.

Brief History - Have done work practically alone, with little or no help.

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Remarks - Adjoins Townsend mine.

If property for sale: Price, terms and address to negotiate - Price \$100,000;
Cash \$10,000
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conditions with responsible people.

(SIGNED) - George Bernarde

MH-27

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

23. Geology & Mineralization

Date 2/19/41

- 1. Mine *Happy Jean mine*
- 2. Location *8 miles down river from Alamo Crossing.*
- 3. Mining District & County *Santa Maria Mining District Yuma County*
- 4. Former name
- 5. Owner *George Bernarde* ✓
- 6. Address (Owner) *Prize -*
- 7. Operator
- 8. Address (Operator)
- 9. President, Owning Co.
- 9A. President, Operating Co.
- 10. Gen. Mgr.
- 14. Principal Minerals *Gold-lead & other minerals*
- 15. Production Rate
- 16. Mill: Type & Cap. *10 ton Herman ^{Bell} mill*
- 17. Power: Amt. & Type *Gasoline ^{Stadelaker}*
- 13. Men Employed *1 - owner -*
- 18. Operations: Present *Mineral & road work.*
- 19. Operations: Planned *Depending on financing*
- 20. Number Claims, Title, etc. *14 unpatented claims. Filed affidavit of labor each year. Located in 1914.*
- 21. Description: Topography & Geography *Rugged steep country - crosses Bill Williams River -*
- 22. Mine Workings: Amt. & Condition *7 tunnels - 20 ft. to 110 ft. 6 open cuts - 1-15 ft. shaft.*

24. Dimensions and Value of Ore Body

25. Flow Sheet

26. Road Conditions

27. Water Supply

28. Brief History

29. Special Problems, Reports Filed

30. Remarks

31. If property for sale: Price, terms and address to negotiate

32. Signature

33. Use additional sheets if necessary.

23. Geology & Mineralization

Gneiss - diorite & sedimentary - lime
sandstones

24. Ore: Positive & Probable, Ore Dumps, Tailings

Large tonnage in sight -
not blocked - claim 2,000,000 tons probable
200 tons - dump

24A. Dimensions and Value of Ore body

average ^{2 1/2} 5 ft. width of pay ore
on a mile in length.
mill tests - 8/10 gold 5 to 10% lead - 1 to 3% copper 1% zinc
2 1/2% vanadium 2 1/2% molybdenum

25. Mine, Mill Equipment & Flow-Sheet

and some uranium -
J.R. Carpenter - Herman Ball mill - 50 ton crusher
tracy concentrating table -

26. Road Conditions, Route

31 miles from Boise to camp - ~~on the~~ 12
miles on Aransas Road - then Townsend (on Bernade road)
to right - to mine - 19 miles. Good road.

27. Water Supply

- 50 ft. well - fine domestic water, and enough
for small mill - ~~It can be~~ flow can be increased.

28. Brief History

Has done work practically alone - with little or
no help.

29. Special Problems, Reports Filed

Vein dips 62%.

30. Remarks

- Adjourn Townsend mine -

31. If property for sale: Price, terms and address to negotiate.

100,000 - price - 10,000 cash
and 10% Royalty on balance - would discuss terms &
conditions with responsible people.

32. Signature

George Bernade

33. Use additional sheets if necessary.

✓ MH-22

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine HAPPY GEAN

Date February 11, 1940.

District ELLSWORTH, Yuma County.

Engineer Elgin B. Holt.

Subject:

SYNOPSIS REPORT

OWNER: Geo. Bernarde, Bouse, Arizona.

LOCATION: Buckskin Mountains, 32 miles north of Bouse.

Metals: Gold, \$10.00 per ton; silver 3.0 ozs. per ton; lead 7%.
These assays represent mill-head values.

MILL: Consists of 10-ton Hermann ball mill, concentrating table, located on Williams River. First grade concentrate is melted into gold button.

VEINS: Six parallel veins, from 2 ft. to 18 feet wide; also four cross-veins.

DEV. WORK: Seven tunnels have been driven on ore veins, from 10 to 110 feet in length; also one shaft 15 feet deep.

TERMS: Property is being worked by owner at the present time. He is not offering it for sale; but would probably consider an equitable deal.

The above notes were furnished me by owner, Mr. Bernarde, in Bouse. To date, I have not visited this mine; but expect to do so at a later time. From the above description, it has the ear-marks of a good little property.

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

Mine HAPPY GRAN

Date February 11, 1940.

District ELLSWORTH, Yuma County.

Engineer Elgin B. Holt.

Subject:

SYNOPSIS REPORT

OWNER: Geo. Bernarde, Bouse, Arizona.

LOCATION: Buckskin Mountains, 58 miles north of Bouse.

Metals: Gold, \$10.00 per ton; silver 5.0 ozs. per ton; lead 7%.
These assays represent mill-head values.

MILL: Consists of 10-ton Hermann ball mill, concentrating table,
located on Williams River. First grade concentrate is melted
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State of Arizona

FIELD ENGINEERS REPORT

MINE HAPPY GEAN

DATE February 11, 1940.

DISTRICT ELLSWORTH, Yuma County.

ENGINEER Elgin B. Holt.

SUBJECT:

S Y N O P S I S R E P O R T

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State of Arizona

FIELD ENGINEERS REPORT

MINE HAPPY GEAN

DATE February 11, 1940.

DISTRICT ELLSWORTH, Yuma County.

ENGINEER Elgin B. Holt.

SUBJECT:

SYNOPSIS REPORT

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State of Arizona

FIELD ENGINEERS REPORT

MINE HAPPY GEAN

DATE February 11, 1940.

DISTRICT ELLSWORTH, Yuma County.

ENGINEER Elgin B. Holt.

SUBJECT:

SYNOPSIS REPORT

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