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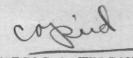
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SAN MARCOS & WILSON MINES

I2 claims, 248 acres, unpatented, in a compact group $4\frac{1}{2}$ miles south of Wenden, Arizona, On the A.T.& S.F.R.R. and U.S. Highway #60, good road to the mines, IO minutes by auto from Wenden.

San Marcos shaft 550 feet deep on 30 degree incline,4 levels with drifts both ways from the shaft, abput 2,000 of workings, besides surface stopes and shallow tunnels on ore.

Wilson shaft I60' deep, vertical, 2 compartments, timbered, 2 levels, about I,000 feet of workings, including an incline from the surface 400 feet long, in ore.

Mines equipped, in good condition for immediate production, mill just completed, 60 tons minimum daily capacity, will probably handle 75 tons, amalgamation & flotation, with provision for installation of tables, if expedient.

All conditions are unusually favorable. The mines are close to the railroad and paved highway, with a good easy road to both shafts; the ore is wide, so no waste need be broken, uniform, so no selective mining nor sorting need be done, soft, so that 2 machines will keep the mill supplied; it grinds easily, without slimes, and does not require fine grinding for a good extraction; the ground needs no timbering, the workings, having stood for 25 years or more without timbers, being still in excellent condition; the ore contains no copper, lead, zinc nor manganese, to complicate or interfere with extraction, and has a little pyrite, well disseminated, to help concentration.

There is not water enough in the mines to run the mill. Water can probably be secured by drilling from the bottom of either shaft, at a cost of not over \$1,000.00. If not, a well with ample water at all times can be secured at Wenden, 4 miles from the mines in an airline, with a lift of 325 feet. 3 inch pipe that will stand this pressure can be bought at $17\frac{1}{2}$ cents per foot fob Wenden, and the pump is already on hand. Cost of equipment will not be more than \$6,500.00, and pumping will cost less than \$5.00 per day.

Ore in sight XXX in the mines and on the dumps 43,000 tons, with an average contents of .33 oz gold per ton,or \$10.89 per ton in value,or a net value,after deducting mill losses and Mining, Milling, Freight & Smelter Charges,of \$6.38 per ton,a total net value of \$274,340.00 in the ore in sight. Much more ore will probably be developed during the extraction of this ore.

ESTIMATED MINING & MILLING COSTS FOR SAN MARCOS & WILSON MINES
All costs given for 24 hour operation.

POWER	
Fuel: Diesel Engine, IO5 gal. fuel oil at 6¢ Novo Engine, 30 gal. gas & fuel oil at 9¢ Hoist IO " " " " " 9¢ Oil & Grease, all engines	\$6.30 2.70 .90 2.00 II.90
Labor: 3 operators, including hoisting, at \$4.00 Plus IO% MINING(Development & Ore Breaking)	12.00 23.90 2.40 26.30
Labor: Combination Blacksmith & Mechanic 4 Machine Men at \$3.50 4 Muckers " 3.00 2 Topmen, including crusher men, at 3.00 I Foreman I Assayer ½ shift at 4.00	4.00 I4.00 I2.00 6.00 4.50 2.00 42.50
Supplies: Powder, Caps, Fuse & misc. Supplies Plus IO%	25.00 6.75 74.25
MILLING Labor: 3 Mill Operators at \$4.00 3 Helpers " 3.00 I Assayer ½ shift at 4.00	12.00 9.00 2.00 23.00
Supplies: Supplies & Repairs estimated Plus IO% TOTAL MINING & MILLING	10.00 33.00 3.30 136.85
OVERHEAD Superintendent \$250.00 per month Bookkeeper Truck Driver Workmen's Compensation Pumping TOTAL COSTS PER DAY Total costs per ton at 75 tons per day	8.35 4.00 3.00 8.00 5.00 28.35 165.20 2.21

ESTIMATED PRODUCTION OF SAN MARCOS & WILSON MINES.

Production on the basis of 75 tons per day.

Gold contents .33 oz per ton.

Recovery 85%

25% of recovery on plates

75% " " by flotation

Price of bullion from plates \$35.00 per oz.gold.

Price of gold in concentrates \$32.32 per oz.

Freight & Smelter charges \$20.00 " ton - ?

Concentration 30 to I

Total values per ton \$10.89
85%

Mining, milling & overhead 2.2I
Freight & smelting 67
Profit per ton 43,000 tons \$10.89

\$10.89
9.26

\$10.89
9.26

\$10.89
9.26

\$478.50

Statement by hu browster, one of the owners,

SAN MARCOS

(Note by G. M. Colvocoresses - Nov. 1937)

I visited this mine in January 1936 and took note of the equipment as listed, also went underground and took a few samples in the vein and on the dumps which did not check with the assays given by the owner and lead me to conclude that the assay map which he had prepared could not be considered as reliable.

The vein is strong and well mineralized but the gold values appeared to be very erratic and largely confined to short shoots.

The Wilson shaft could not be inspected.

I do not think that this property could be made the basis for any substantial operations but the higher grade pockets and shoots might be worked on a small scale with some profit if a suitable mill were provided. The mill which was on the property is 1936 has, so I am toldm been since sold to another property and removed.

(As noted by G. M. Colvocoresses - Jan 30, 1936)

Comfortable house for manager & substantial living quarters for 15 or 20 men.

Substantial power plant & buildings of wood frame covered with corrugated iron and cement floors.

POWER PLANT

1-75 H. P. 4 cylinder Atlas (Best) Diesel Engine with belt drive to 90 K.W. General Electric Generator.

15 H.P. Fairbanks Morse gas engine hoist, single drum and cable.

Gardner Compressor 265 Cu. Ft. Driven by motor or by Novo Gas Engine when Diesel Engine not operating.

Blacksmith shop with forge and Sulliven Drill Sharpeners.

At head frame of shaft is located the Coarse-ore bin and a Comet Gyratory Crusher--motor driven.

Tramway to mill with circular bin for fine ore, belt feeder to Ball mill in closed circuit with Dorr Duplex Classifier.

Below ball mill 3,-2 stage amalgamating plates about 12' long and tailings go to dewatering cones and then to flotation machines with air agitation (do not appear very efficient.)

Tailings from flotation machines were filtered and stocked.

All equipment in mill driven by motors. Piping, auxiliary pumps, bets, cars, etc., all in A.-l condition.

Wilson shaft not visited, has head-frame and I think hoist, etc.

San Marcos Mine makes about 5000 gallons of water or less per day, and has pumps and pipes.

Mill would require 10,000-15,000 gallons of fresh water per day, which could easily be supplied by the town pumping plant at Wenden at cost of about \$5.00 per day, but 4½ miles of pipe would have to be purchased and installed, also pump and engine for 325' lift plus friction, say 200# pressure.

With water supply provided, mine and mill could start operating at once.

G. M. Colvocoresses

Am told that some of this equipment has since been removed and sold.

SAN MARCOS

(Note by G. M. Colvocoresses - Nov. 1937)

I visited this mine in January 1936 and took note of the equipment as listed, also went underground and took a few samples in the vein and on the dumps which did not check with the assays given by the owner and lead me to conclude that the assay map which he had prepared could not be considered as reliable.

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SAN MAR COS AND WILSON MINES

12 claims, 248 acres, unpatented, in a compact grou 42 miles south of Enden, Arizona, on the A. T. & S. F. R. R. and U. S. Highway #60, good mo ad to the mines, 10 minutes by auto from Wenden.

San Marcos shaft 550 feet deep on 30 degree incline, 4 levels with drifts both ways from the shaft, about 2,000 of workings, besides surface stopes and shallow tunnels on ore.

Wilson shaft 160' deep, vertical, 2 compartments, timbered, 2 levels, about 1,000 feet of workings, including an incline from the surface 400 feet long, in ore.

Mines equipped, in good condition for immediate production, mill just completed, 60 tons minimum daily capacity, will probably handle 75 tons, amalgamation and flotation, with provision for installation of tables, if expedient.

All conditions are unusually favorable. The mines are close to the milroad and paved highway, with a good easy road to both shafts; the ore is wide, so no waste need be broken, uniform, so no selective mining nor sorting need be done, soft, so that 2 machines will keep the mill supplied; it grinds easily, without slimes, and does not require fine grinding for a good extraction; the ground needs no timbering, the workings, having stood for 25 years or more without timbers, being still in excellent condition; the ore contains no copper, lead, zone nor manganese, to complicate or interfere with extraction, and has a little pyrite, well disseminated, to help concentration.

There is not water enough in the mines to run the mill. Water can probably be secured by drilling from the bottom of either shaft, at a cost of not over \$1,000.00. If not, a well with ample water at all times can be secured at Wenden, 4 miles from the mines in an airline, with a lift of 325 feet. 3 inch pipe that will stand this pressure can be bought at 17½ cents per foot f.o.b. Wenden, and the pump is already on hand. Cost of equipment will not be more than \$6,500.00, and pumping will cost less than \$5.00 per day.

Ore in sight in the mines and on the dumps 43,000 tons, with an average contents of .33 oz. gold per ton, or \$10.89 per ton in value,

or a net value, after deducting mill losses and Mining, Milling, Freight & Smelter Charges, of \$6.38 per ton, a total net value of \$274,340.00 in the ore in eight. Much more ore will probably be developed during the extraction of this ore.

ESTIMATED MINING & MILLING COSTS FOR SAN MARCOS & WILSON MINES All costs given for 24 hour operation.

POWE	R
	FUEL:

POWER FUEL:		
A A A A A A A A A A A A A A A A A A A		
Diesel Engine, 105 Gal. fuel oil at 6¢ Novo Engine, 30 Gal. gas & fuel oil at 9¢ Hoist 10 " " " " 9¢ Oil & Grease, all engines	\$6.30 2.70 .90 2.00	
	11.90	
Labor:		
3 operators, including hoisting, at \$4.00	12.00	
Plus 10%	23.90	
		\$26.30
MINING (Development & Ore Breaking)		
Labor:		
Combination Blacksmith & Mechanic 4 Machine Men at \$3.50 4 Muckers " 3.00	4.00 14.00 12.00	
2 Topmen, including crusher men, at \$3.00 1 Foreman 1 Assayer & shift at \$4.00	6.00 4.50 2.00	
	42.50	
Supplies:		
Powder, Caps, Fuse & misc. Supplies Plus 10%	25.00 6.75	- 4-1
MILLING	,	\$74.25
Lebor:	30.00	
3 Mill Operators at \$4.00 3 Helpers * 3.00	12.00	
1 Assayer & shift at 4.00	2.00	
	23.00	
Supplies:		
Supplies & Repairs estimated	10.00	
TOTAL MINING & MILLING	3.30	\$36.30 136.85

OVERHEAD

Superintendent	\$250.00	per	month	
Bookkeeper				
Truck Driver				
Workmen's Comp	ensation			

3.00

28.35 TOTAL COSTS PER DAY 165.20 Total costs per ton at 75 tons per day 2.21

ESTIMATED PRODUCTION OF SAN MARCOS & WILSON MINES.

Production on the basis of 75 tons per day.

Gold contents .33 oz. per ton.

Recovery 85%.

25% of recovery on plates.

75% " " by flotation

Price of bullion from plates \$35.00 per oz. gold.

Price of gold in concentrates \$32.32 per oz.

Freight & Smelter charges \$20.00 " ton.

Concentration 30 to 1

Total values per ton		\$10.89
Mining, Milling & overhead	221	9.26
Freight & Smelting	67	_2.88
Profit per ton		6.38
day		478.50
" from 43,000 tons		274,340.00

Statement by Mr. Worcester, one of the owners.

SAN MARCOS & WILSON MINES

12 claims, 248 acres, unpatented, in a compact group 42 miles south of Wenden, Arizona, on the A.T.& S.F.R.R. and U.S. Highway #60, good road to the mines, 10 minutes by auto from Wenden.

San Marcos shaft 550 feet deep on 30 degree incline,4 levels with drifts both ways from the shaft, about 2,000 of workings, besides surface stopes and shallow tunnels on ore.

Wilson shaft I60' deep, vertical, 2 compartments, timbered, 2 levels, about I,000 feet of workings, including an incline from the surface 400 feet long, in ore.

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All costs given for 24 hour operation.

POWER	
Fuel: Diesel Engine, 105 gal. fuel oil at 6¢ Novo Engine, 30 gal. gas & fuel oil at 9¢ Hoist 10 " " " " " " 9¢ Oil & Grease, all engines	\$6.30 2.70 .90 2.00 11.90
Labor: 3 operators, including hoisting, at \$4.00	12.00
	23.90
Plus 10%	2.40 26.30
MINING (Development & Ore Breaking)	
Labor: Combination Blacksmith & Mechanic 4 Machine Men at \$3.50 4 Muckers " 3.00 2 Topmen, including crusher men, at 3.00 I Foreman I Assayer & shift at 4.00	4.00 14.00 12.00 6.00 4.50 2.00 42.50
Supplies: Towder, Caps, Fuse & misc. Supplies Plus 10%	25.00 6.75 74.25
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Total values per ton \$10.89
85% 9.26
Mining, milling & overhead 8.21
Freight & smelting 67
Profit per ton 6.38

" day 478.50
" from 43,000 tons 274,340.00

EQUIPMENT AT SAN MARCOS MINE

Comfortable house for manager & substantial living quarters for 15 or 20 men.

Substantial power plant & buildings of wood frame covered with corrugated iron and coment floors.

POWER PLANT

1-75 H.P. 4 cylinder Atlas (Best) Diesel Engine with belt drive to 90 K.W. General Electric Generator.

15H.P. Fairbanks Morse gas engine hoist, single drum and cable.

Gardner Compressor 265 Cu.Ft. Driven by motor or by Novo Gas Engine when Diesel Engine not operating.

At head frame of shaft is located the Coarse-ore bin and a Comet Gyratory Crusher--motor driven.

Tranway to mill with circular bin for fine ore, belt feeder to Ball mill in closed circuit with Dorr Duplex Classifier.

Below bell mill 3,-2 stage amalga- mating plates about 12' long and tailings go to dewatering cones and then to flotation machines with air sgitation (do not appear very efficient).

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mill would require 10,000-15,000 gallons of fresh water per day, which could easily be supplied by the town pumping plant at Wenden at cost of about \$5.00 per day, but 42 miles of pipe would have to be purchased and installed, also pump and engine for 325' lift plus friction, say 200% pressure.

With water supply provided, mine and mill couls start operating at once.

G. M. Colvocoresses

SAN MARCOS & WILSON MINES

12 claims, 248 acres, unpatented, in a compact group 4½ miles south of Wenden, Arizona, on the A.T.& S.F.R.R. and U.S. Highway #60, good road to the mines, 10 minutes by auto from Wenden.

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Fuel: Diesel Engine, 105 gal. fuel oil at 6¢ Novo Engine, 30 gal. gas & fuel oil at 9¢ Hoist 10 " " " " " 9¢ Oil & Grease, all engines	\$6.30 2.70 .90 2.00 11.90
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Labor: 3 operators, including hoisting, at \$4.00	12.00
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Labor: Combination Blacksmith & Mechanic 4 Machine Men at \$3.50	4.00
4 Muckers " 3.00 2 Topmen, including crusher men, at 3.00	12.00
I Foreman	4.50
I Assayer & shift at 4.00	2.00
Supplies: Powder, Caps, Fuse & misc. Supplies Plus 10%	25.00 6.75 74.25
Labor: 3 Mill Operators at \$4.00 3 Helpersm " 3.00 I Assayer & shift at 4.00	12.00 9.00 2.00 23.00
Supplies:	
Supplies & Repairs estimated	10.00
Plus 10% TOTAL MINING & MILLING	3.30 36.30
OVERHEAD	
Superintendent \$250.00 per month Bookkeeper Truck Driver Workmen's Compensation Pumping TOTAL COSTS PER DAY Total Costs per ton at 75 tons per day	8.35 4.00 3.00 8.00 5.00 28.35 165.35 2.21

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Freight & smelting	.67	2.88
Profit per ton		6.38
" day		478.50
" from 43.000 tons	1 × 5 × 5	274.340.00

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July 24th, 1935. Mr. Richard Bunker Wenden Arizona RE: SAN MARCOS MINE: Dear Bunker: I showed the assay maps and reports on the San Marcos to a client who is out here representing some New York capital and told him of our brief visit to the property. This gentlemen is very much interested in the San Marcos, and has taken the matter up with his principals in the East, and sent them the blue prints and statement which went with them. He hopes that an examination of the property will be authorized as soon as these people have had time to go over the data, and I shall probably be in a position to write you further on this matter in the course of a week or ten days, possibly sooner. Meantine will you kindly explain to Mr. Worcester that I am keeping these reports for the time being, but if no business follows, I will return them to you promptly. However, I hope to see you and to further investigate the San Marcos in the course of a short time. With best regards to Mrs. Bunker and to you. Sincerely. GMC: MW