

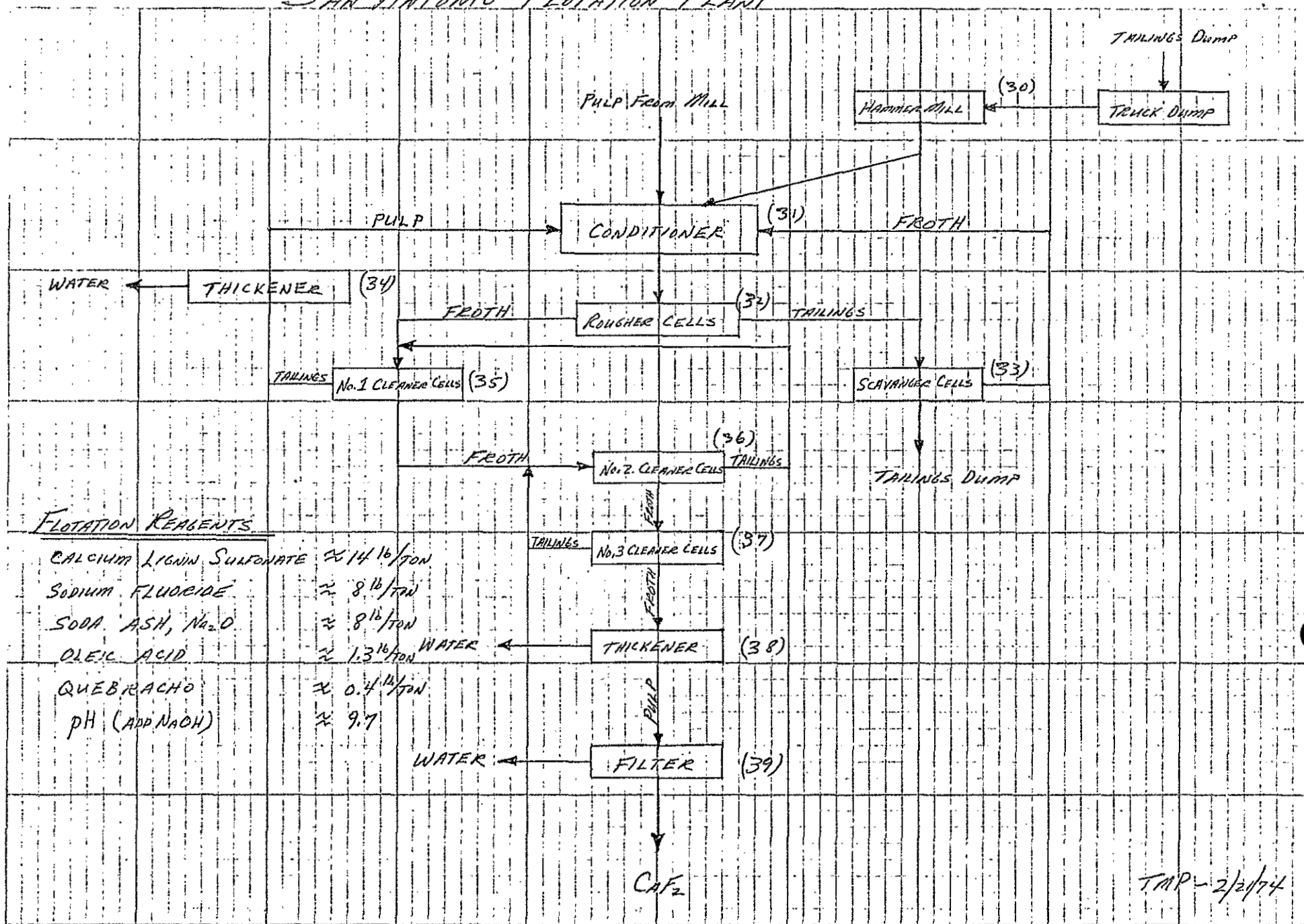
SAN ANTONIO BARITE MILL

FLOW SHEET

THOMAS M. PLOUF

1974

# SAN ANTONIO FLOTATION PLANT



# BARITE BAGGING

FINES  
TO TAILINGS

CLASSIFIER (25)

FEED HOPPER (26)

BAGGER (27)

BASO<sub>4</sub>  
FOR MARKET

BASO<sub>4</sub>  
STOCK PILE

BUCKET CONVEYER (16)

ROTARY DRIER (17)

BUCKET CONVEYER (18)

STORAGE  
BIN (19)

BUCKET CONVEYER (20)

(21) FEED HOPPER

(22) RAYMOND MILL

(23) CLASSIFIER

BLOWER (24)

OVER

TMP-2/21/74

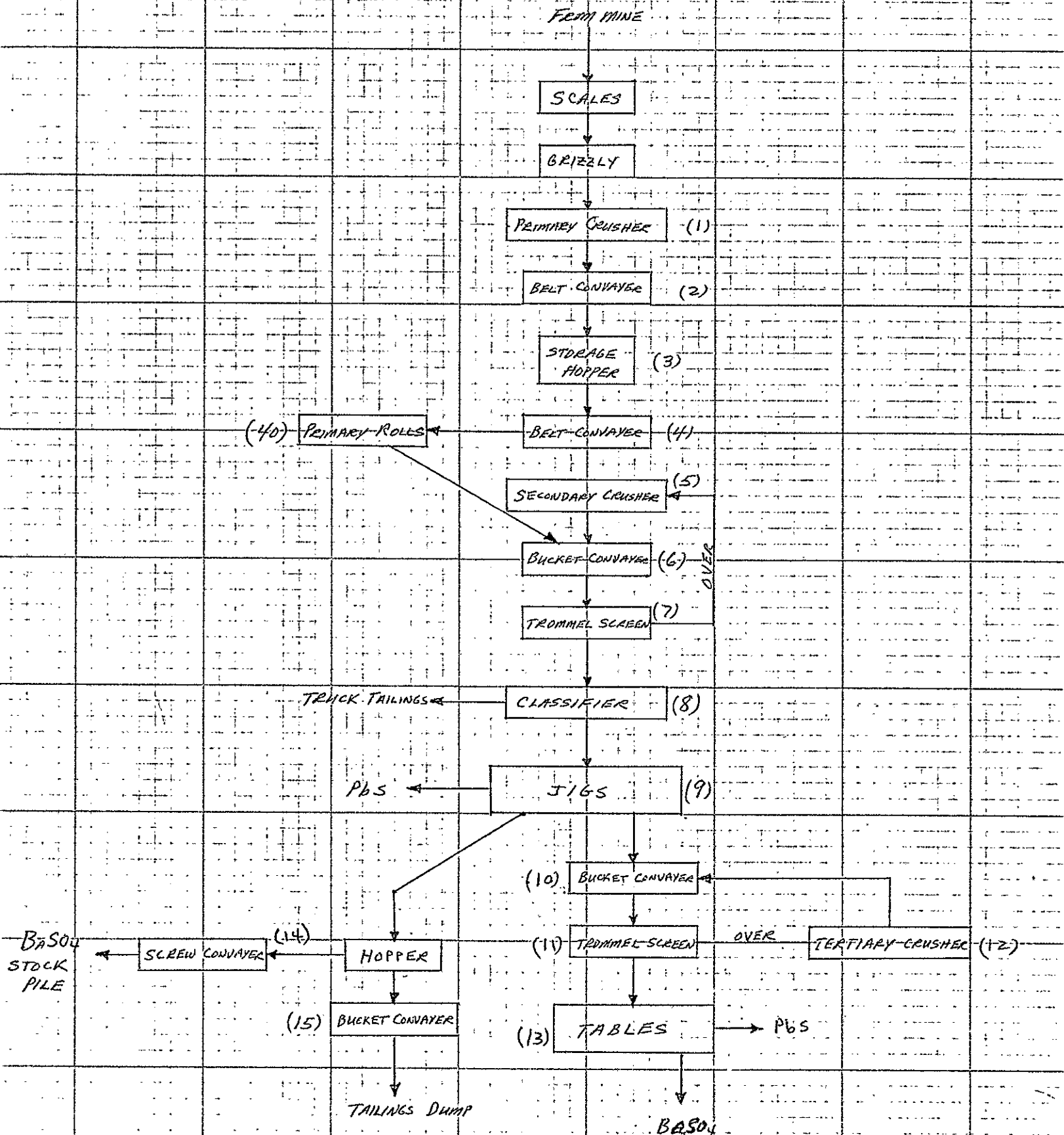
San Antonio Barite Mill

- (1) 36" jaw crusher, 25 Hp DC motor, 400 amp capacity, - 2 inch
- (2) 36" flat belt conveyer, 25 Hp drive motor, 150 ft. long (one way)
- (3) 10 ft. x 10 ft. x 30 ft. deep, 50 ton, wooden hopper
- (4) 36" flat belt conveyer, 30 ft. long (one way)
- (5) 36" rolls crusher, central drive
- (6) Double scoop bucket conveyer, 24" wide, 30 ft. long (one way), central drive
- (7) 12 ft. Trommel screen, 1/2" holes, central drive
- (8) 20 ft. rake classifier, central drive
- (9) 4 - 3x3 Denver jigs, central drive
- (10) Double scoop bucket conveyer, 18' wide, 30 ft. long (one way), central drive
- (11) 12 ft. Trommel screen, 8 mesh holes, central drive
- (12) 24" rolls crusher, central drive
- (13) 4 - 4 ft. x 12 ft. Wilfley tables, central drive
- (14) 18" diameter x 15 ft. screw conveyer, 25 Hp motor
- (15) Double scoop bucket conveyer, 24" wide, 50 ft long (one way), central drive
- (16) Double scoop bucket conveyer, 9" wide, 15 ft. long (one way), 5 Hp motor
- (17) Rotary kiln, gas fired, 5 ft. diameter x 20 ft. long, 25 Hp motor
- (18) Double scoop bucket conveyer, 12" wide, 25 ft. long (one way), 5 Hp motor
- (19) Double cement storage bin, 2 - 20' x 20' x 4'
- (20) Redler elevator, 4" diamter, 20 ft. long, 10 Hp drive
- (21) 30 ft.<sup>3</sup> conical feed hopper
- (22) 48" Raymond mill, 100 Hp motor, 248 amp
- (23) Double whizzer section on top of Raymond mill
- (24) 4 ft. diameter blower, 25 Hp motor
- (25) Pneumatic classifier, 48" diameter
- (26) 20 ft.<sup>3</sup> conical feed hopper
- (27) Bagger, rented (not available to obtain information)
- (28) Double scoop bucket conveyer, 24" wide, 30 ft. long (one way), central drive
- (29) 6 - 3x3 Denver jigs, central drive
- (30) Dixie hammer mill, 10 TPH, 25 Hp motor
- (31) 2 - in series, 6 ft. diameter x 8 ft. thickener tanks, with reagent feeders

- (32) 6 - 2' x 2' Denver float cells
- (33) 3 - 2' x 2' Denver float cells
- (34) 50 ft. diameter x 10 ft. Dorr thickener
- (35) 3 - 2' x 2' Denver float cells
- (36) 7 - 3' x 3' Denver float cells
- (37) 2 - 3' x 3' Denver float cells
- (38) 40 ft. diameter x 10 ft. Dorr thickeners
- (39) 6 ft. diameter rotary-disk filter, oliver, 4 disks, ejector, vacuum system,  
25 Hp motor
- (40) 48" rolls crusher, central drive shaft, 100 Hp motor, 3 Ph, 400 amp, - 3/4"

# SAN ANTONIO BARITE MILL FLOW SHEET

(BEFORE ADDITION OF FLOTATION PLANT)



TMP 2/21/74

# SAN ANTONIO BARITE MILL FLOWSHEET

(AFTER ADDITION OF FLOTATION PLANT)

