

MACKINAW MINE

There was no work done at the Mackinaw Mine during the month of December.

WORK FOR YEAR

The work of installing brackets and steel sets in the concrete shaft was started in January and completed late in February. Guides were then placed in cage compartment, solars laid in ladder compartment and lath placed between compartments.

Sinking the rock shaft was started on March 23rd and continued on two eight hour shifts up to September 30th, on which date work was stopped for an indefinite period.

The sea elevation of the bottom of the shaft on September 30th was 709.88 or 401.59 feet below the collar of the shaft.

Total depth sunk below concrete 285.50 feet.

UNDERGROUND IN GENERAL

A temporary pumping station, 9 x 14 feet and 19 feet high, was cut out on the South side of the shaft at an elevation of 300 feet below the surface of the ground. Concrete walls were constructed in the sump of this pump station and electric sinking pump installed.

A 10 inch discharge pipe was also installed from the collar of the shaft to pump station.

Lean ore was encountered in the shaft at a depth of 390 feet below the collar, the bottom of the shaft being still in lean ore.

Practically no water was encountered in sinking the rock shaft. The greater part of the water that is being made is coming through a weep hole near the bottom of the concrete.

MACKINAW SURFACE

Land was cleared on site for stockpile ground East of the shaft, also East of Mine buildings. This land was seeded down for fire protection.

A boiler for temporary heating plant was installed just Southwest of machine shop and boiler enclosed in temporary building.

The water tank that was at the Francis Mine was brought over to the Mackinaw Mine and placed just West of temporary heating plant.

A Nordberg Electric driven compressor and an electric Webster, Camp and Lane hoist were installed in Mackinaw Engine House.

A drill press and pipe cutter were installed in machine shop and drill sharpener and forge in blacksmith shop.

Captains' office was erected just North of warehouse. Shower bath, toilet and wash basin, also steel lockers, were installed in change room of Captains' office.

The old cement shed that was erected by The New York Foundation Company was dismantled and moved to a point just West of shop building, pipe rack installed and building fitted up for warehouse.

A temporary landing floor for bucket, bucket and two sets of doors for safety device were constructed at Mackinaw Shaft.

A temporary hoisting plant was rigged up just East of the shaft and used to hoist bucket early in the year until turn sheaves could be installed.

Railings for safety device were placed in engine house and on stairway and landing floor of head frame.

Plank was laid on landing floor and a four inch plank floor laid on bottom of pockets of head frame.

A new wagon road was cleared and graded from mine buildings at Mackinaw Mine to the Gardner engine house.

A bridge was also constructed at the point where road crosses the drainage ditch dug last year.

Concrete foundation for turn sheave was constructed just North of Mackinaw Shaft and two sheaves installed. Two pulley stands were also erected between the head frame and engine house.

A board fence was erected on either side of pulley stands between engine house and shaft.

A four inch well point was sunk just South of Mackinaw engine house,

A Prescott pump was installed and pipe line laid to Gardner Engine House and South towards old drill camp, also North towards the Mackinaw-Gardner Location. The above being done for temporary fire protection.

A 6" sewer line was laid from Captain's office to outlet just East of the bridge across the drainage ditch. Y. connections were placed on this line along side of permanent dry and brick manhole constructed at the angle in sewer line.

A 10" discharge pipe was laid on surface from collar of shaft to a point on drainage ditch just East of bridge.

A small temporary trestle was constructed from rock dump just East of shaft 150 feet Northeast to tram rock for fill along North side of stocking ground.