FIELD NOTES Illinois State Geological Survey

See map 4107 d5-28

General Coal Report #434

4f

Carterville Mining Co. - Mine #2. Old Carterville Colliery Co. NW/4 Sec. 31 T8S R2E. September 1, 1908. Altitude 468 above sea.

Mule haulage. Steam power for hoisting. No outside haulage - washer connected with tipple so that coal for washer is conveyed to this from tipple. About 60% of the coal washed. No.1 - 3" screen. No.3 $1\frac{1}{2}$ " No.4 3/4" No.5 $\frac{1}{4}$ ". Unwashed - lumps over 6" and egg 6". Screens shaker round west washer revolving storage bin for washed 250 ton and 80 tons for each grade washed. Steam and domestic. Market NW. ICRR and Coal Belt Co. owns part and leases part. See Supt. Geo. McMath for log of shafts of this Co. About 15% of wester washer. Capacity of mine 1000 tons, of washer 1000 tons [daily]. Wash here frame mine 1,2 & 3.

From bottom to $\frac{1}{2}$ blue band $35\frac{1}{2}$ " - thrown out. Above this 5" is another $\frac{1}{4}$ " sulphur streak. Above this is 62" coal. About 18" coal above this is left in the roof.

Above coal in roof is gray shale 4'-12'. In another part of mine it is a black shale - above this shale is limestone cap rock. Fire clay 1'-2'. Average thickness of coal worked $7\frac{1}{2}$ '. Main cleat NW-SE. Quite marked. Dip of coal in general about 2'NE. Shaft 140' to bottom of coal. Shaft 9 1/3' x 16'. Sample from room 3 on 2nd south - east.

Coal No.6?. State band from 1" to 11" occasionally runs out. Hand picked - low rolls but no faults or horsebacks. Room and pillar method. 20 - 22 x 300-500'. Timbers only in rooms - 5' apart only in exceptional conditions. Pillars drawn and top coal

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taken down when entrys are finished. Entrys sheared rooms shot from solid. Hand drills. Egyptian powder. Fair ventilation - no gas and no dust. No squeezes. Drainage pipe to sumps and pumped out - 6" suction, 5" discharge $3-3\frac{1}{2}$ hrs. 65000 gals. per day.

Washer - Hafer Co. Atlas engine. Elleson engine first motion. 24" stroke. 22 grgo Suris grgs [?] Screens revolving. Salesman - L.A. Barnard, Chicago.

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