

FIELD NOTES

Illinois State Geological Survey

Map 4107 d5-28

7e
 Mine A. Location NW $\frac{1}{4}$, Sec. 19, T.8S., R.2E. General Coal Report #424. Shaft of Chicago and Carterville Coal Co. Roof - gray slate, 80-100'. 18" coal top. Coal 9 $\frac{1}{2}$ ' about 8' removed. Panel system - main entries 30' pillar 30' between panel entries, 20' pillars bordering stub entries. 50' pillars are left between the first rooms and the entires. Cleat distinct NE-SW 18°. Faults none. Blue band - 1" thick - 20" from bottom of coal. A few rolls but no clay seams or faults. Floor - 2-4'. Timbers - 4' apart in rooms, 3 rows. Cross bars about 4' apart. Gas in entries, little in rooms. Water - troubles in places comes in from above where pillars are pulled. Sullivan punching machines 30 in this mine, undercut coal. Shoot down - 3 and 4 holes to work. Same little coal shot from solid. Drilling by hand. Common black powder C and F. Motors Goodman - 3 - in mine. Steam hoisting. Fair ventilation. Drainage sumps and pipes - 2 air pumps and 2 steam pumps. Sizes - 11 grades. Mine run. 6" lump. 6" egg, goes through 6" and over 3". 3" screenings. 3 $\frac{1}{2}$ " screenings. 3" lump, railroad coal.

Washed coal 6 grades.

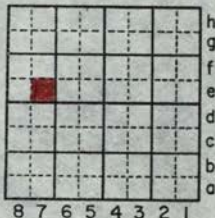
- Egg - nos. 1,2,3,4,5
- egg through 3 $\frac{1}{2}$ " and over 3"
- no.1 over 1 $\frac{3}{4}$ and through 3"
- no.2 over 1 and through 1 $\frac{3}{4}$ "
- no.3 over $\frac{3}{4}$ and through 1"
- no.4 over $\frac{1}{4}$ and through $\frac{3}{4}$ "
- no.5 $\frac{1}{4}$ "

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By T.E. Savage Date 1906

Quadrangle Herrin

County Williamson Sec. 19 T. 8S R. 2E



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About 50% of coal is washed. About 40-45% now left in mine but some will be recovered. Uses steam and domestic. Depth of shaft to bottom of coal 186'. Altitude 405'. Coal dips N and E. about 50' per mile. Shaker screens on tipple and revolving screens in washer. Washer Stewart jigs.

Capacity of mine 1800 tons per day.

Coal banded and laminated, especially in upper part. Partings of mother coal frequent in upper half, some of them $1/8$ to $1/2$ " thick. Local lenses also occur. Few rolls occur and no other irregularities seen. These rolls come down from 1-3'. The blue band is $1/2$ -2" thick. In rare places it is a bone, and occasionally it almost plays out. The seam varies from $8\frac{1}{2}$ - $9\frac{1}{2}$ '.

							h	
							g	
							f	
							e	
							d	
							c	
							b	
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	8	7	6	5	4	3	2	1

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