

Sample Description
Arapaho Ventures
#2 Rayle Coal Co.
Jackson lwp. 523
Noble Co., Ohio
Permit # ? 2334

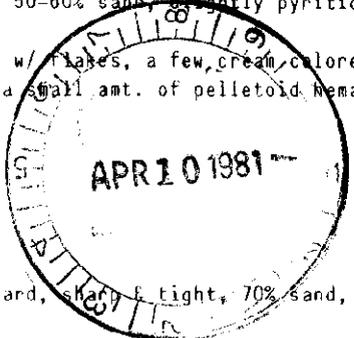
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Berea

- 1645-50 Shale- dk. gray-brn., 10-15%
Shale- gray, silty to very silty, somewhat micaceous, slightly pyritic
Siltstone- gray, shaley
Sand- milky to cream-buff, VVFG, med. hard, indiv. grains seen w/ some diff., calcareous, slightly pyritic, 20-30% sand, w/ a 100%dk. blue fluor.
1650-60 Shale- gray, silty, slightly pyritic, w/ traces of above sand
Shale- gray

Clinton

- 5635 Shale- gray
Shale- dk. gray-brn., calcareous, possibly Devonian shale cave from surface, very blocky
Lime- gray-brn., fn. xtalln., very slow EFF.
Sandstone- gray, very hard, sharp & tight
- 5750-90 Shales- gray, green & pink, w/ trtaces of dolomite
5790-5800 Shales- similoar to above, but mostly hematitic pink-red, w/ some grayish-green dolomite
5800-20 Shales- similar to asbove, but mostly green, interbedded w/ dolomite & pyrite & some glauc.
5820-50 similar, mostly pink
5850-60 Shales- grayish-green & grayish-pink, w/ a laminated, very hard, sharp & tight gray sandstone, w/ some gray dolomite
5860-90 Shales- as above
Dolomite- mottled cream & gray, very slow EFF.
5890-5900 Shale- gray
Sand- greenish-gray, fine blk. specks in sand, very hard, sharp & tight
5900-10 Shale- gray
SAnd- lt. clear-gray to gray, w/ fine to med. blk. flakes in sand, very hard, sharp & tight, 80% sand
5910-20 similar to abive, w/ a greenish sand also, 50-60% sand, slightly pyritic
5920-30 similar, 60-70%
5930-35 similar, still mostly hard, sharp & tight, w/ flakes, a few, cream colored aggs. have grains which can be seen w/ diff., no fluor., w/ a small amt. of pelletoid hematite
5935-40 similar, 50%
5940-45 similar, 30-40% sand
5940-45 mostly gray shale & gray sand
5945-50 laminated gray shale & lt. clear-grat sand
5950-80 similar
5980-6000 Shale- gray
Sand- lt. gray, w/ fn. blk. specks, very hard, sharp & tight, 70% sand, w/ some pyrite
6000-40 Shale- gray, less than 10% sand
6040-50 Shale- gray, w/ a shell fossil impression
Sand- gray, very hard, sharp & tight, 10-15%
Sand- gray-white to gray-buff, hard, but "grainy", 10% sand, no fluor.
Shale- brick-red, trace
6050-55 similar, but w/ 10-20% brick-red shale; and 20% of the "grainy" sand



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1-29-81

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