

County . . . POSEY . . . . .

T . . . . . R . . . . .

Sec . . . . .

Other Survey . . . . .

Quarry or Pit . . . . . Core . . . . . Dim . . . . . Other . . . . .

Name . . . . .

Former Names . . . . .

. . . . .

Operator . . . . .

Former Operators . . . . .

COAL AND INDUSTRIAL MINERALS SECTION  
 INDIANA GEOLOGICAL SURVEY  
 DEPARTMENT OF NATURAL RESOURCES  
 611 NORTH WALNUT GROVE  
 BLOOMINGTON, INDIANA 47401

| MEMORANDUM REPORTS BY: |           |
|------------------------|-----------|
| Name                   | Date      |
| 1 . . . . .            | . . . . . |
| 2 . . . . .            | . . . . . |
| 3 . . . . .            | . . . . . |
| 4 . . . . .            | . . . . . |
| 5 . . . . .            | . . . . . |
| 6 . . . . .            | . . . . . |
| 7 . . . . .            | . . . . . |
| 8 . . . . .            | . . . . . |
| 9 . . . . .            | . . . . . |
| 10 . . . . .           | . . . . . |

| REMARKS                            |
|------------------------------------|
| Sec. 6, NW NE SE T. 5 N., R. 13 W. |
| Sec. 3, NW SE T. 7 S., R. 12 W.    |

Posey County  
NW¼ SE¼, sec. 3, T. 7 S, R. 12 W  
Powell Farm  
C4212 from Illinois Survey File

COLE PERRY

| Unit | Description                                                                                                              | Depth | Thick-<br>ness | Sample    |
|------|--------------------------------------------------------------------------------------------------------------------------|-------|----------------|-----------|
| 1    | Shale; Black abdt white, carbonate shells; pyrite abdt as shell replacements, twig and spicule fillings; minor phosphate | 514.2 | 0.5            | NS89-0007 |

NW¼NE¼SE¼ sec. 6, T. 5 S., R. 13 W.  
Posey County, Indiana  
Surface elevation 390 feet

| Unit | Description                                            | Depth | Thick-<br>ness |
|------|--------------------------------------------------------|-------|----------------|
|      | Core not described above 280.0 ft.                     |       |                |
|      | Shelburn Formation                                     |       |                |
|      | West Franklin Limestone Member, 25.0 ft.               |       |                |
| 1    | Limestone and shale, interbedded                       | 280.0 | 25.0           |
|      | Unnamed members, 85.0 ft.                              |       |                |
| 2    | Shale and siltstone                                    | 305.0 | 85.0           |
|      | Dugger Formation                                       | 490.0 | 3.0            |
|      | Danville Coal Member, 3.0 ft.                          |       |                |
| 3    | Coal, bright banded                                    |       |                |
|      | Unnamed members, 57.0 ft.                              |       |                |
| 4    | Shale and siltstone, interbedded                       | 493.0 | 57.0           |
|      | Universal Limestone Member, 5.0 ft.                    |       |                |
| 5    | Limestone, with thin shale at base                     | 550.0 | 5.0            |
|      | Herrin Coal members, 2.0 ft.                           |       |                |
| 6    | Coal, bright banded                                    | 555.0 | 2.0            |
|      | Unnamed members, 43.0 ft.                              |       |                |
| 7    | Shale and siltstone                                    | 557.0 | 43.0           |
|      | Bucktown Coal Member, 1.0 ft.                          |       |                |
| 8    | Coal, dull banded                                      | 600.0 | 1.0            |
|      | Unnamed members, 39.0 ft.                              |       |                |
| 9    | Sandstone and shale                                    | 601.0 | 39.0           |
|      | Petersburg Formation                                   |       |                |
|      | Springfield Coal Member, 4.0 ft.                       |       |                |
| 10   | Coal, bright banded, thin shale parting in middle seam | 640.0 | 4.0            |
| 11   | Underclay, white                                       | 644.0 |                |
|      | Core not described below 644 feet.                     |       |                |