

County . . . . . PORTER  
T . . . . . 35 N R . . . . . 6 W  
Sec . . . . . SW SE SW 4  
Other Survey . . . . .

Quarry or Pit.....Core X.....Dim.....Other.....  
 Name American Smelting and Refining Co. R. Ruppert  
 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 ..... Robert H. Shaver .....	May 25, 1972 .....
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Date \_\_\_\_\_

	Robert H. Shaver	May 25, 1972
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REMARKS

Log of Core from American Smelting and Refining Co., Robert Ruppert, no. I-5  
Well, SWSESW sec. 4, T. 35 N., R. 6 W. (125 SL, 615 WL), Porter Co., Indiana.  
Elevation, 695 feet; Total Depth, 1334 feet.

Robert H. Shaver. May 25, 1972

Feet

Silurian System

Wabash Formation? and Louisville Limestone?, 89.4 ft. examined as of date:

- a. Dolomite, light-gray to white, fine- to medium-grained, pure, vuggy, bioclastic; has few inches of gray shale at 514.5 ft.; unit represents Fort Wayne Bank or a similar organic accumulation; from top of core examined as of date - - - - - 499.6-576.4
- b. Dolomite, gray, very fine-grained, somewhat argillaceous; has few gray-green, irregular shale partings - - - - - 576.4-579.3
- c. Dolomite, like that of unit a - - - - - 579.3-589.0

Waldron Formation?, 6.5 ft.:

- d. Dolomite, somewhat color-banded in grays, very fine-grained, somewhat shaly to argillaceous, cherty; has wavy layers of more argillaceous material and bands of concentrated shaly partings; chert is in cream-colored, earthy textured nodules - - - - - 589.0-595.5

Salamonie Dolomite?, 152.7 ft.:

- e. Dolomite, gray with some fine tan mottling, fine-grained, rather vuggy, bioclastic, pyritic - - - - - 595.5-608.0
- f. Dolomitic limestone, light gray, fine-grained, somewhat vuggy; has few stylolitic and shaly partings - - - - - 608.0-616.0
- g. Dolomite, light-gray, fine-grained, pure, vuggy, bioclastic - - 616.0-632.5
- h. Dolomite, gray to faintly banded and mottled gray, dense to fine-grained, somewhat argillaceous; has few (above) to many (below) distinct to indistinct shaly partings - - - - - 632.5-669.8
- i. Dolomite, grayish-tan, fine-grained; has conspicuous dark-colored irregular shale partings; has some dolomite like that of unit h in upper part - - - - - 669.8-687.2

- j. Dolomite, tan, fine-grained, cherty; has conspicuous dark-colored irregular shaly partings; chert is cream colored, chalky textured, nodular; unit is gradational with unit k, mostly by color change - - - - - 687.2-708.2
- k. Dolomite, gray and tan-gray, some being color banded and coarsely mottled, dense to fine-grained, very cherty; has many shaly partings; chert is gray and unaltered, also cream-colored and chalky textured, nodular; grades to unit l - - - - - 708.2-741.7

Brassfield Limestone?, 17.3 ft.:

- l. Dolomite, gray and gray-tan, distinctly to indistinctly color-banded in part, has many irregular brown shaly partings; very glauconitic 752.0-755.0 ft.; has thin zones of coarser grained, bioclastic, finely vuggy dolomite; lower 2½ ft. are mostly a green-gray dolomitic shale containing fossil fragments suggesting Ordovician origin - - - - - 741.7-759.0

Ordovician System, Maquoketa Group, 17.3 ft. examined as of date:

Fort Atkinson Limestone, 17.3 ft. examined as of date:

- m. Dolomite, light-gray to tan, fine- to coarse-grained, bioclastic, vuggy; has few stylolites - - - - - 759.0-769.8
- n. Dolomite, gray-tan, fine-grained; has gray, regular to irregular shale bands and partings; to depth examined as of date - - - 769.8-776.3

Log of Core from American Smelting and Refining Co., Robert Ruppert, no. I-5 Well  
SW SE SW sec. 4, T. 35 N., R. 6 W. (125 SL, 615 WL)

Porter County

Elevation, 695 feet; Total Depth, 1334 feet

Robert H. Shaver

May 25, 1972

Unit	Description	Depth	
	Silurian System		
	Wabash Formation? and Louisville Limestone?, 89.4 ft. examined as of date		
1	Dolomite, light-gray to white, fine- to medium-grained, pure, vuggy, bioclastic; has few inches of gray shale at 514.5 ft.; unit represents Fort Wayne Bank or a similar organic accumulation; from top of core examined as of date	499.6	576.4
2	Dolomite, gray, very fine-grained, somewhat argillaceous; has few gray-green, irregular shale partings	576.4	579.3
3	Dolomite, like that of unit 1	579.3	589.0
	Waldron Formation?, 6.5 ft.		
4	Dolomite, somewhat color-banded in grays, very fine-grained, somewhat shaly to argillaceous, cherty; has wavy layers of more argillaceous material and bands of concentrated shaly partings; chert is in cream-colored, earthy textured nodules	589.0	595.5
	Salamonie Dolomite?, 152.7 ft.		
5	Dolomite, gray with some fine tan mottling, fine-grained, rather vuggy, bioclastic, pyritic	595.5	603.0
6	Dolomitic limestone, light gray, fine-grained, somewhat vuggy; has few stylolitic and shaly partings	603.0	616.0
7	Dolomite, light-gray, fine-grained, pure, vuggy, bioclastic	616.0	632.5
8	Dolomite, gray to faintly banded and mottled gray, dense to fine-grained, somewhat argillaceous; has few (above) to many (below) distinct to indistinct shaly partings	632.5	669.8
9	Dolomite, grayish-tan, fine-grained; has conspicuous dark-colored irregular shale partings; has some dolomite like that of unit 8 in upper part	669.8	687.2
10	Dolomite, tan, fine-grained, cherty; has conspicuous dark-colored irregular shaly partings; chert is cream colored, chalky textured, nodular; unit is gradational with unit 11, mostly by color change	687.2	708.2
11	Dolomite, gray and tan-gray, some being color banded and coarsely mottled, dense to fine-grained, very cherty; has many shaly partings; chert is gray and unaltered, also cream-colored and chalky textured, nodular; grades to unit 12	708.2	741.7
	Brassfield Limestone?, 17.3 ft.		
12	Dolomite, gray and gray-tan, distinctly to indistinctly color-banded in part, has many irregular brown shaly partings; very glauconitic 752.0-755.0 ft.; has thin zones of coarser grained, bioclastic, finely vuggy dolomite; lower 2½ ft. are mostly a green-gray dolomitic shale containing fossil fragments suggesting Ordovician origin	741.7	759.0
	Ordovician System, Maquoketa Group, 17.3 ft. examined as of date		

	Fort Atkinson Limestone, 17.3 ft. examined as of date		
13	Dolomite, light-gray to tan, fine- to coarse-grained, bioclastic vuggy; has few stylolites	759.0	769.8
14	Dolomite, gray-tan, fine-grained; has gray, regular to irregular shale bands and partings; to depth examined as of date	769.8	776.3