

County . . . PUTNAM . . .
T . . . 14 N . . . R . . . 3 W . . .
Sec . . . NW SW 13 . . .
Other Survey . . .

Quarry or Pit...X....Core.....Dim.....Other.....
Name ..Stilesville Quarry.....
Former Names ..Fillmore Quarry.....
.....
OperatorStandard Materials Corp.....
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 L. F. Rooney April 17, 1963
2 D. D. Carr August 19, 1966
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REMARKS	

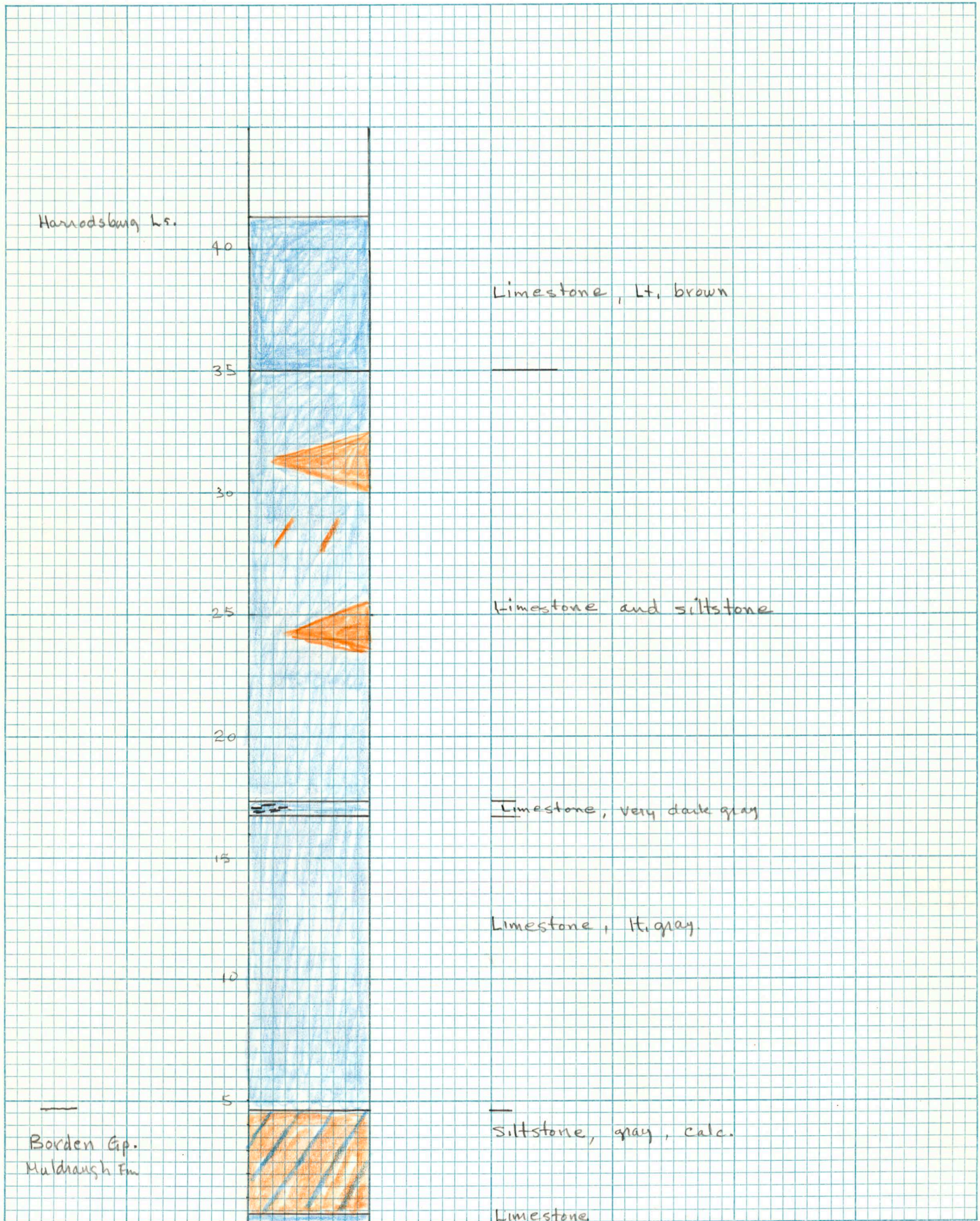
Standard Materials Corp. Stilesville Quarry
NW¼ SW¼ Sec. 13, T. 14 N., R.3W.

800.9

Unit	Description	Thick- ness	Sample
7	Soil and glacial drift	11.5	
	Harrodsburg Limestone		
6	Limestone; light brown, skeletal, coarse grained beds average 0.4 ft. thick, cross-bedded, upper part of unit eroded by glaciation; entire unit is missing on west side of quarry.	6.3	DC66-0121
5	Limestone and siltstone; limestone gray oxidized known along vertical fractures, skeletal, parallel beds with a few cross-beds, beds range from 0.4-0.8 ft. and are thicker near base of unit. Siltstone, tan, dolomitic, irregular in thickness and discontinuous. A few calcite filled vugs within the siltstone.	17.6	DC66-0122
4	Limestone; very dark gray, skeletal, crinoidal, irregular in thickness and thins to the north and changes to a black calcareous shale, very pyritic; upper surface in part gradational with unit above.	0.6	DC66-0123
3	Limestone; light gray, skeletal, crinoidal very coarse-grained, beds 1.0 to 2.5 ft. thick; upper surface of unit irregular, stylolites common in lower ½ of unit. Slight greenish color under microscope due to presence of glauconite. A few fossils replaced by black chert.	12.2	DC66-0124
	Total thickness of Harrodsburg Ls. exposed	36.7	
	Borden Group <i>Sanders</i>		
	Muldraugh Formation		
2	Siltstone; dark gray and gray, calcareous, moderately soft to hard, blocky, unit thins toward north, north quarry face has numerous calcite filled vugs up to 0.4 ft. in diameter. Occasional discontinuous beds of yellow-brown skeletal limestone up to 0.1 ft. thick.	4.3	DC66-0125
1	Limestone; yellow brown, skeletal, very coarse grained. This unit forms the floor of the quarry (only 0.3 ft. exposed).	0.3	DC66-0126
	Quarry floor		
	Total thickness of Borden Group <i>Ramp Creek</i> exposed	4.6	
	Total thickness of measured section	52.8	

Spectrochemical Analyses
Standard Materials Corp.-Stilesville Quarry
NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 13, T. 14N., R. 3W.

[illegible]



Standard Materials Corp. Stilesville Quarry
(formerly Fillmore Quarry)

Putnam County

MEMORANDUM REPORT

by

Donald D. Carr

Summary

Field Examinations:

D. Carr August 19, 1966
L. Rooney April 17, 1966

Location:

NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 13, T.14N., R.3W.

The quarry is located about 4 miles west of Stilesville.

Officers:

Phil Balcom Regional Manager (Terre Haute)
Bill Thomas Quarry Superintendent

Operation:

This quarry is a single face operation and has a capacity of about 1000 tons per day. The stone does not meet State Highway specifications for grade A aggregate, but is suitable for road metal. The quarry was opened because of its favorable location to the Indianapolis market.

Transportation:

All production is shipped by truck, mostly to the Indianapolis area.

MEMORANDUM REPORT

Concrete Materials #1 Nichols
 SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 14, T. 14 N., R. 3 W.
 elevation 800.4 ft.

Cursory examination of core by D. D. Carr, December 8, 1970.

	<u>Description</u>	<u>Depth (ft.)</u>
4	Soil and glacial till	0
3	Salem Limestone	11.5
	Harrodsburg Limestone	23.0
2	Limestone, gray, with several silty beds; brown silty dolomite from 80 to 90 ft.	
	Borden Group	90.0
1	Siltstone and shale; limestone from 95 to 99 ft.	
	Total depth	106.0

Note: Core taken to prospect for new quarrying site to replace the Stilesville quarry

Stilesville Quarry

Field Examination	Remarks
Aug. 30, 1968	<p>Visited quarry with Dick Rogers and talked to Bill Thomas, quarry superintendent. They are presently working the west face and will continue there for sometime. The upper 10 ft. of the face contains considerable shale which prevents the stone from meeting State Highway grade A specifications. All stone is sold as "commercial stone" to the local area and to the Indianapolis area.</p> <p>Early in 1968, they cored 200 ft of shale starting in the floor of the quarry. They asked Hove Star Cement (Greencastle) if they could use the shale, but were told that it was too high in silica. They have no further plans to deepen the quarry and to quarry the shale.</p> <p>Quarry closed in 1973. Site rehabilitated by grading. Small lake developed and stocked with fish.</p>

QUARRY SECTION

Name: Standard Materials Corp. Stilesville Quarry

Location: NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. ¹³~~8~~, T.14N., R.3W.

Unit	Description	Thickness	Sample No.
7	Soil and glacial drift	11.5	
	<u>Harrodsburg Limestone</u>		
6	Limestone; light brown, skeletal, coarse grained beds average 0.4 ft. thick, cross-bedded, upper part of unit eroded by glaciation; entire unit is missing on west side of quarry.	6.3	DC 66-121
5	Limestone and siltstone; limestone gray oxidized known along vertical fractures, skeletal, parallel beds with a few cross-beds, beds range from 0.4-0.8 ft. and are thicker near base of unit. Siltstone, tan, dolomitic, irregular in thickness and discontinuous. A few calcite filled vugs within the siltstone.	17.6	DC 66-122
4	Limestone; very dark gray, skeletal, crinoidal, irregular in thickness and thins to the north and changes to a black calcareous shale, very pyritic; upper surface in part gradational with unit above.	0.6	DC 66-123
3	Limestone; light gray, skeletal, crinoidal very coarse-grained, beds 1.0 to 2.5 ft. thick; upper surface of unit irregular, stylolites common in lower $\frac{1}{2}$ of unit. Slight greenish color under microscope due to presence of glauconite. A few fossils replaced by black chert.	12.2	DC 66-124
	Total thickness of Harrodsburg Ls. exposed	36.7	
	Borden Group		
	Muldraugh Formation <i>Kamp Creek</i>		
2	Siltstone; dark gray and gray, calcareous, moderately soft to hard, blocky, unit thins toward north, north quarry face has numerous calcite filled vugs up to 0.4 ft. in diameter. Occasional discontinuous beds of yellow-brown skeletal limestone up to 0.1 ft. thick.	4.3	DC 66-125

Unit	Description	Thickness	Sample No.
1.	Limestone; yellow brown, skeletal, very coarse grained. This unit forms the floor of the quarry (only 0.3 ft. exposed).	0.3	DC 66-126
	Quarry floor		
	Total thickness of Borden Group exposed	4.6	
	Total thickness of measured section	52.8	

MEMORANDUM REPORT BY LAWRENCE F. ROONEY

STANDARD MATERIALS CORP. QUARRY SE OF FILLMORE, PUTNAM COUNTY, INDIANA

Date of field examination.--April 17, 1963

NW 1/4 SW 1/4 Sec. 13

D.D.C.

Location.--The quarry is located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 14, T. 14 N., R. 3 W.
about 2.5 miles southeast of Fillmore on county road.

Operation.--The quarry was opened by Standard Materials Corporation in 1962.
It employs 10 men. Mr. Bill Philips is foreman.

Equipment.--Equipment in use is one 2 $\frac{1}{4}$ yard shovel, one 175 Michigan loader,
one D-7 tractor, one 30x42 jaw crusher, an impact crusher, two Euclid trucks.
Drilling is contracted. Rock is transported by truck.

Production.--About 200 tons per hour.

Geology.--About 50 feet of Harrodsburg formation is exposed in this quarry.
The basal 5 feet is red argillaceous limestone. Borden shale is exposed in
the sump. Numerous shale seams and rapid lateral facies changes from lime-
stone to argillaceous limestone make this deposit of marginal value. Reserves
are estimated at about 40 acres, enough to last about five years. The quarry
was opened because of its favorable location east of the outcrop belt of
Mississippian aggregate.

Outcrops near the Stilesville Quarry (Putnam Co.)

- (1) NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 34, T. 14 N., R. 3 W.
Ls along SE side of highway.
- (2) NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 2, T. 13 N., R. 3 W.
Ls/Borden contact west of county road.
- (3) SE $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 2, T. 13 N., R. 3 W.
West of county road near barn.