Hinckley Twp
P# 1943
S# 819

# CORE ANALYSIS REPORT

**COMPANY** WISER OIL CO.
**WELL** SMITH I-A
**FIELD** WILDCAT

**COUNTY** MEDINA
**STATE** OHIO

**TYPE OF CORE** DIAMOND **DIAMETER** 4"

| DEPTH | LITHOLOGY | PERM. md. | POROSITY % | SATURATIONS %PORE SPACE OIL | WATER | % GAS BULK VOL. | REMARKS |
|---|---|---|---|---|---|---|---|
| | CORE NO.1 (5700-5707½) CUT 7½' REC 6' | | | | | | |
| 5700-07½ | DRK BRN DNS LS | | | | | | NO ANALYSIS |
| | | | | | | | |
| | CORE NO.2 (5709-5714) CUT 5' REC 5' | | | | | | |
| 5709-14 | DRK BRN DNS LS W/STRKS SH | | | | | | NO ANALYSIS |
| | | | | | | | |
| | CORE NO.3 (5743-5793) CUT 50' REC 35' | | | | | | |
| 5743-45 | DRK GRY DNS LS | | | | | | NO ANALYSIS |
| 5745-46 | DRK GRY HRD DNS LS | 0 | <1 | 0 | 50 | 0.3 | |
| 5746-47 | " " | 0 | <1 | 0 | 63 | 0.3 | |
| 5747-49 | GRY DNS LS W/STRKS SH | | | | | | NO ANALYSIS |
| 5749-50 | LT GRY SLI SUCR HRD DOLO | 0 | <1 | 0 | 50 | 0.3 | |
| 5750-51 | DRK GRY HRD DNS LS | 0 | 1 | 0 | 55 | 0.4 | |
| 5751-65 | " " | | | | | | NO ANALYSIS |
| | | | | | | | " " |
| 5765-79 | BLK SLTY SLI CARB SH | | | | | | REC-9' SH |
| 5779-80 | LT GRY DNS DOLO | 0 | 2 | 0 | 70 | 0.6 | TR GAS ODOR |
| 5780-81 | " " | 0 | 7 | 0 | 26 | 4.8 | TR GAS ODOR |
| 5781-82 | " " | <1 | 4 | 0 | 15 | 3.5 | TR GAS ODOR |
| 5782-83 | GRY-BRN SDY DOLO | <1 | 4 | 0 | 24 | 3.3 | TR GAS ODOR |
| 5783-93 | | | | | | | NO RECOVERY |
| | | | | | | | |
| | CORE NO.4(5793-5844) CUT 50' REC 50' | | | | | | |
| 5793-95 | LT GRY DNS SUCR DOLO | 0 | 6 | 0 | 25 | 4.3 | SPOTTED PALE BLU FLU FAT GAS ODOR |
| 5795-17 | LT GRY XLN-DNS DOLO STRKS SH | | | | | | NO ANALYSIS |
| 5817-18 | LT GRY-BRN XLN-MICA DOLO | <1 | 3 | 0 | 16 | 2.9 | SPTTD PALE BLU FLUOR FAIR GAS ODOR |
| 5818-19 | LT GRY XLN-DNS DOLO | <1 | 7 | 6 | 12 | 5.6 | SPTTD PALE BLU FLUOR FAIR GAS ODOR |

THE DIVISION OF GEOLOGICAL SURVEY MAKES NO AFFIRMATION CONCERNING THE COMPLETENESS AND ACCURACY OF THIS INFORMATION.

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5819-20½ | WHT-LT GRY, STRKS BRN DOLO | <1 | 5 | 0 | 34 | 3.6 | " " |
| 5820½-21½ | " " | 0 | 9 | 0 | 31 | 6.3 | " " |
| 5821-22 | " " | <1 | 11 | 5 | 19 | 8.6 | " " |
| 5822-22½ | " " | 0 | 8 | 8 | 17 | 7.1 | " " |
| 5822½-23½ | LT GRY DNS DOLO INCL CRS QTZ | 0 | 5 | 0 | 38 | 3.4 | " " |
| 5823½-24½ | LT GRY SLI SUCR DOLO | <1 | 6 | 7 | 13 | 5.0 | " " |
| 5824½-26 | " " | <1 | 7 | 0 | 15 | 5.9 | " " |
| 5826-27 | " " | 0 | 7 | 6 | 63 | 2.1 | " " |
| 5827-28 | " " | 0 | 7 | 0 | 37 | 2.9 | " " |
| 5828-32 | LT GRY DNS DOLO | | | | | | NO ANALYSIS |
| 5832-33 | LT GRY SLI SUCR DOLO | <1 | 8 | 0 | 16 | 6.8 | SPTTD PALE BLU FLUOR FNT GAS ODOR |
| 5833-34 | " " | 0 | 3 | 0 | 43 | 1.8 | " " |
| 5834-36 | " " | 0 | 5 | 0 | 15 | 4.6 | " " |
| 5836-39 | LT GRY DNS-SLI SUCR DOLO | <1 | 9 | 0 | 20 | 7.2 | " " |
| 5839-40 | " " | <1 | 0 | 0 | 29 | 6.2 | " " |
| 5840-42 | " " | <1 | 7 | 0 | 47 | 3.9 | " " |
| 5842-44 | " " | | | | | | NO ANALYSIS |
| | CORE NO.5 (5860-5890) CUT 30' REC 27½' | | | | | | |
| 5860-62 | | | | | | | NO RECOVERY |
| 5862-63 | WHT-BUFF XLN DNS SLI SUC DOL | 4 | 13 | 10 | 31 | 7.9 | SPTTD BLU FLUOR GOOD GAS ODOR |
| 5863-64 | " " | 3 | 8 | 15 | 54 | 2.6 | " " |
| 5864-65 | " " | 5 | 11 | 15 | 24 | 6.7 | Sptd blu flour. Good gas odor. |
| 5865-66 | " " | <1 | 12 | 0 | 43 | 6.8 | NO FLOUR |
| 5866-67 | " " | 0 | 7.0 | 0 | 47 | 4.0 | " " |
| 5867-68 | Lt Gry Dse Xln Dolo | | | | | | NO ANALYSIS |
| 5868-69 | " " | 0 | 6.0 | o | 51 | 2.9 | NO FLOUR |
| 5868-74 | " " | | | | | | NO ANALYSIS |
| 5874-87 | Wht/Buff xln Dns Dolo, Sucr | | | | | | NO ANALYSIS |
| 5887-88 | " " | 0 | 5 | 0 | 73 | 1.5 | NO FLOUR |
| 5888-90 | " " | | | | | | NO ANALYSIS |

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Hinckley Twp.
P# 1943
S# 819

# CORE ANALYSIS REPORT

COMPANY WISER OIL CO.
WELL SMITH I-A
FIELD WILDCAT

COUNTY MEDINA
STATE OHIO

TYPE OF CORE DIAMOND
DIAMETER 4"

| DEPTH | LITHOLOGY | PERM. md. | POROSITY % | SATURATIONS %PORE SPACE OIL | WATER | % GAS BULK VOL. | REMARKS |
|---|---|---|---|---|---|---|---|
| | CORE NO.1 (5700-5707½) CUT 7½' REC 6' | | | | | | |
| 5700-07½ | DRK BRN DNS LS | | | | | | NO ANALYSIS |
| | | | | | | | |
| | CORE NO.2 (5709-5714) CUT 5' REC 5' | | | | | | |
| 5709-14 | DRK BRN DNS LS W/STRKS SH | | | | | | NO ANALYSIS |
| | | | | | | | |
| | CORE NO.3 (5743-5793) CUT 50' REC 35' | | | | | | |
| 5743-45 | DRK GRY DNS LS | | | | | | NO ANALYSIS |
| 5745-46 | DRK GRY HRD DNS LS | 0 | .01 | 0 | 50 | 0.3 | |
| 5746-47 | " " | 0 | .1 | 0 | 63 | 0.3 | |
| 5747-49 | GRY DNS LS W/STRKS SH | | | | | | NO ANALYSIS |
| 5749-50 | LT GRY SLI SUCR HRD DOLO | 0 | .1 | 0 | 50 | 0.3 | |
| 5750-51 | DRK GRY HRD DNS LS | 0 | 1 | 0 | 55 | 0.4 | |
| 5751-65 | " " | | | | | | NO ANALYSIS |
| 5765-79 | BLK SLTY SLI CARB SH | | | | | | " " REC-0' SH |
| 5779-80 | LT GRY DNS DOLO | 0 | 2 | 0 | 70 | 0.6 | TR GAS ODOR |
| 5780-81 | " " | 0 | 7 | 0 | 26 | 4.8 | TR GAS ODOR |
| 5781-82 | " " | <1 | 4 | 0 | 15 | 3.5 | TR GAS ODOR |
| 5782-83 | GRY-BRN SDY DOLO | <1 | 4 | 0 | 24 | 2.3 | TR GAS ODOR |
| 5783-93 | | | | | | | NO RECOVERY |
| | | | | | | | |
| | CORE NO.4 (5793-5844) CUT 50' REC 50' | | | | | | |
| 5793-95 | LT GRY MED SUCR DOLO | 0 | 6 | 0 | 25 | 4.3 | SPOTTED PALE BLU FLUR TR GAS ODOR |
| 5795-97 | LT GRY MED-DNS DOLO STRKS SH | | | | | | NO ANALYSIS |
| 5797-[illegible] | [illegible] DOLO | <1 | 3 | 0 | 16 | 2.[illegible] | SPOTTED PALE BLU SLIGH FAIR GAS ODOR [illegible] |
| 5813-[illegible] | LT GRY MED-DNS DOLO | <1 | 7 | 5 | 12 | 5.6 | FAIR GAS ODOR |

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| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5820-20½ | WHT-LT GRY, STRKS BRN DOLO | <1 | 5 | 0 | 34 | 3.6 | " " |
| 5820½-21½ | " " | 0 | 9 | 0 | 37 | 6.3 | " " |
| 5821-22 | " " | <1 | 11 | 5 | 19 | 8.6 | " " |
| 5822-22½ | " " | 0 | 8 | 3 | 17 | 2.7 | " " |
| 5822½-23 | LT GRY DNS DOLO INCL CRS QTZ | 0 | 5 | 0 | 38 | 3.4 | " " |
| 5823½-24½ | LT GRY SLI SUCR DOLO | <1 | 6 | 7 | 13 | 5.0 | " " |
| 5824½-26 | " " | <1 | 7 | 0 | 15 | 5.0 | " " |
| 5826-27 | " " | 0 | 7 | 6 | 63 | 2.1 | " " |
| 5827-28 | " " | 0 | 7 | 0 | 37 | 2.9 | " " |
| 5828-32 | LT GRY DNS DOLO | | | | | | NO ANALYSIS |
| 5832-33 | LT GRY SLI SUCR DOLO | <1 | 8 | 0 | 16 | 6.8 | SPTTD PALE BLU FLUOR FNT GAS ODOR |
| 5833-34 | " " | 0 | 3 | 0 | 43 | 1.8 | " " |
| 5834-36 | " " | 0 | 5 | 0 | 15 | 4.6 | " " |
| 5836-39 | LT GRY DNS-SLI SUCR DOLO | <1 | 9 | 0 | 20 | 7.2 | " " |
| 5839-40 | " " | <1 | 9 | 0 | 29 | 6.2 | " " |
| 5840-42 | " " | <1 | 7 | 0 | 47 | 3.9 | " " |
| 5842-44 | " " | | | | | | NO ANALYSIS |
| | CORE NO.5 (5380-5390) CUT 30' REC 27' | | | | | | |
| 5860-62 | | | | | | | NO RECOVERY |
| 5862-63 | WHT-BUFF XLN DNS SLI SUC DOL | 4 | 13 | 10 | 31 | 7.9 | SPTTD BLU FLUOR GOOD GAS ODOR |
| 5863-64 | " " | 3 | 8 | 15 | 54 | 2.6 | " " |
| 5864-65 | " " | 5 | 11 | 15 | 24 | 6.7 | Sptd blu flour. Good gas odor. |
| 5865-66 | " " | <1 | 12 | 0 | 43 | 6.8 | NO FLOUR |
| 5866-67 | " " | 0 | 7.0 | 0 | 47 | 4.0 | " " |
| 5867-68 | Lt Gry Dse Xln Dolo | | | | | | NO ANALYSIS |
| 5868-69 | " " | 0 | 6.0 | o | 51 | 2.9 | NO FLOUR |
| 5868-74 | " " | | | | | | NO ANALYSIS |
| 5874-87 | Wht/Buff xln Dns Dolo, Sucr | | | | | | NO ANALYSIS |
| 5887-88 | " " | 0 | 5 | 0 | 73 | 1.5 | NO FLOUR |
| 5888-90 | " " | | | | | | NO ANALYSIS |

THE DIVISION OF GEOLOGICAL SURVEY MAKES NO AFFIRMATION CONCERNING THE COMPLETENESS AND ACCURACY OF THIS INFORMATION.

medium-grained; minor

6410 - 6420 Dolomite, light-gray, light- and dark-grayish-brown, microcrystalline and very finely crystalline, sandy (very fine- and fine-grained sand)

6420 - 6430 Dolomite as above, pelletal and oolitic in part

6430 - 6440 Dolomite, light-yellowish-gray and dark-brown, oolitic, pelletal, sandy; grading into poorly sorted fine- and coarse-grained (predominantly fine) sandstone

6440 - 6500 As above. Sandstone, minor

6500 - 6540 As above. Sandstone, light-yellowish-gray, fine- and medium-grained; minor to trace

6540 - 6560 Sandstone, white, fine- and coarse-grained (predominantly fine and medium); slightly dolomitic in part. MT. SIMON SANDSTONE at 6540 feet

6560 - 6580 Sandstone as above, light brown, coarse grained, one fossiliferous mold (brachiopod)

6580 - 6600 Sandstone as above, white

6600 - 6610 Sandstone as above, light gray

6610 - 6640 Sandstone as in sample from 6560 to 6580 feet

6640 - 6650 Sandstone as above. Sandstone, pink. Orthoclase and microcline with biotite, trace

6650 - 6660 As above

6660 - 6670 As above. Quartz, biotite (quartz-biotite gneiss?) and orthoclase. PRECAMBRIAN at 6662 feet (GRN)

6670 - 6728 Gneiss(?) as above

*TD samples 6728 feet*

Medina County
Hinckley Township
Lot 69, 4th quarter

Wiser Oil Co. #1-A Smith Estate
Permit No. 1143
Sample No. 819
Elevation (KB) 1200 feet

*Depth (ft)*

*Core chips*

5759.0 - 5759.3 Limestone, dark-brown, lithographic; bird's-eye structures and patches of microsucrosic light-brown dolomite

5759.8 - 5760.0 Limestone, medium-grayish-green, argillaceous, slightly pyritic, slightly silty; mottled medium brown; lithographic to calcisiltite

5760.0 - 5760.4 Limestone, dark-brown, lithographic; partings of very argillaceous dark-brown limestone; bird's-eye structures; ostracods

5776.0 - 5776.4 Shale, dark-brown

5776.4 - 5778.3 Limestone, light-brown, micrograined (dolosiltite), silty; crinkly laminations of argillaceous dark-gray limestone

5778.3 - 5778.8 Limestone, very light-brown, slightly grayish, lithographic, very slightly argillaceous

5778.8 - 5778.9 Shale, dark-brownish-gray

5778.9 - 5779.9 Shale, light- to medium-gray to greenish-gray, dolomitic

5779.9 - 5780.0 Dolomite, very light-gray, micrograined (dolomicrite and dolosiltite), calcareous; blebs of light-green shale

5780.0 - 5780.5 Shale, dark-brown, very dolomitic

5780.5 - 5781.1 Limestone, light-brown, micrograined, slightly argillaceous

5781.1 - 5782.1 Limestone, medium-brown, micrograined to medium-grained, fossiliferous. Shale, dark-gray

5782.1 - 5787.0 Dolomite, light- to medium-gray to brown, micrograined, argillaceous

5787.0 - 5789.0 Dolomite, light- to medium-grayish-brown, microcrystalline (dolosiltite) and very finely crystalline, oil-stained; good vuggy porosity. KNOX DOLOMITE at 5787 feet

5789.0 - 5789.3 Sandstone, very light- and light-gray, fine- and medium-grained, dolomitic

5789.3 - 5790.3 Sandstone, light-brown and gray, fine- and medium-grained, very dolomitic. Dolomite, light- to medium-brown, very finely to medium-sucrosic; poor vuggy porosity (vugs filled with pyrite); patches of light-green shale

5790.3 - 5794.0 Shale, medium-gray, very dolomitic, sandy (very fine- to coarse-grained sand)

5794.0 - 5798.0 Sandstone, very light-gray, very fine- and fine-grained, very dolomitic

5798.0 - 5799.7 Dolomite, light-grayish-brown, microcrystalline (dolosiltite), slightly sandy (very fine- and fine-grained sand); oil-stained; poor pinpoint porosity; passing laterally into siltstone. Siltstone, very light-gray, sandy (very fine- and fine-grained sand), dolomitic

5799.7 - 5800.0 Sandstone, very light-gray, very fine-grained, very dolomitic, pyritic; slightly pinkish and brownish in part

5800.0 - 5800.8 Dolomite, very light- to light-brown, microcrystalline (dolosiltite), very sandy (very fine- and fine-grained sand)

5800.8 - 5801.1 As in sample from 5798.0 to 5799.7 feet

5801.1 - 5801.6 Sandstone (gradation from dolomite of sample from 5800.0 to 5800.8 feet)

5801.6 - 5804.5 Sandstone, light- to medium-brown, fine-grained, very dolomitic to dolomitic, pyritic; some medium-sized sand

5804.5 - 5807.8 Dolomite, very light- to light-brown, microcrystalline (dolosiltite)

5807.8 - 5808.5 Dolomite as above, sandy (fine- and medium-grained sand), silty in patches

5808.5 - 5808.8 Sandstone, light-gray, fine-grained, micaceous (biotite); angular grains

5808.8 - 5809.3 Dolomite, light-gray to very light-brown, microcrystalline (dolosiltite), sandy (fine-grained sand); dark-gray shale lamination

5809.3 - 5810.0 Sandstone, very light-brownish-gray, fine-grained, very dolomitic. Dolomite, very light-grayish-brown, microcrystalline (dolosiltite), sandy (very fine- and fine-grained), oil-stained; good pinpoint porosity

5810.0 - 5819.5 Dolomite, very light-brown to brownish-gray, microcrystalline (dolosiltite)

5819.5 - 5819.8 Sandstone, light- to medium-brown, fine- and medium-grained, slightly dolomitic (angular grains), oil-stained. Dolomite, light- to medium-brown, microcrystalline (dolosiltite), sandy (fine- and medium-grained sand); grading into sandstone

5819.8 - 5820.7 Sandstone as above, slightly glauconitic

5820.7 - 5821.2 Sandstone, very light-gray, fine- and medium-grained, dolomitic; some coarse-grained sand; stained with dead oil

5821.2 - 5822.2 Dolomite, light-brown, microcrystalline (dolosiltite) and very finely crystalline, sandy (fine-grained sand); excellent vuggy porosity (ovoid vugs up to 2 mm across); stained with dead oil

5822.2 - 5823.3 Dolomite, very light-grayish-brown, microcrystalline (dolomicrite); poor vuggy porosity. Dolomite, very light-brown, microcrystalline (dolosiltite), sandy to very sandy (fine- and medium-grained sand)

5823.3 - 5833.8 Dolomite as in sample from 5821.2 to 5822.2 feet, fair porosity

5833.8 - 5834.0 Dolomite, light-brown, microcrystalline (dolomicrite and dolosiltite); interbeds of sandy (very fine- and fine-grained sand) and silty dolomite

5834.0 - 5834.6 Dolomite, light-brown, microcrystalline (dolomicrite and dolosiltite), very sandy (fine- to coarse-grained sand); grading into sand-

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AND ACCURACY OF THIS INFORMATION.

CORE DESCRIPTION FILE.



medium-grained; minor

6410 - 6420 Dolomite, light-gray, light- and dark-grayish-brown, microcrystalline and very finely crystalline, sandy (very fine- and fine-grained sand)

6420 - 6430 Dolomite as above, pelletal and oolitic in part

6430 - 6440 Dolomite, light-yellowish-gray and dark-brown, oolitic, pelletal, sandy; grading into poorly sorted fine- and coarse-grained (predominantly fine) sandstone

6440 - 6500 As above. Sandstone, minor

6500 - 6540 As above. Sandstone, light-yellowish-gray, fine- and medium-grained; minor to trace

6540 - 6560 Sandstone, white, fine- and coarse-grained (predominantly fine and medium); slightly dolomitic in part. MT. SIMON SANDSTONE at 6540 feet

6560 - 6580 Sandstone as above, light brown, coarse grained, one fossiliferous mold (brachiopod)

6580 - 6600 Sandstone as above, white

6600 - 6610 Sandstone as above, light gray

6610 - 6640 Sandstone as in sample from 6560 to 6580 feet

6640 - 6650 Sandstone as above. Sandstone, pink. Orthoclase and microcline with biotite, trace

6650 - 6660 As above

6660 - 6670 As above. Quartz, biotite (quartz-biotite gneiss?) and orthoclase. PRECAMBRIAN at 6662 feet (GRN)

6670 - 6728 Gneiss(?) as above

*TD samples 6728 feet*

**Medina County**
**Hinckley Township**
**Lot 69, 4th quarter**

**Wiser Oil Co. #1-A Smith Estate**
**Permit No. 1143**
**Sample No. 819**
**Elevation (KB) 1200 feet**

*Depth (ft)*

*Core chips*

5759.0 - 5759.3 Limestone, dark-brown, lithographic; bird's-eye structures and patches of microsucrosic light-brown dolomite

5759.8 - 5760.0 Limestone, medium-grayish-green, argillaceous, slightly pyritic, slightly silty; mottled medium brown; lithographic to calcisiltite

5760.0 - 5760.4 Limestone, dark-brown, lithographic; partings of very argillaceous dark-brown limestone; bird's-eye structures; ostracods

5776.0 - 5776.4 Shale, dark-brown

5776.4 - 5778.3 Limestone, light-brown, micrograined (dolosiltite), silty; crinkly laminations of argillaceous dark-gray limestone

5778.3 - 5778.8 Limestone, very light-brown, slightly grayish, lithographic, very slightly argillaceous

5778.8 - 5778.9 Shale, dark-brownish-gray

5778.9 - 5779.9 Shale, light- to medium-gray to greenish-gray, dolomitic

5779.9 - 5780.0 Dolomite, very light-gray, micrograined (dolomicrite and dolosiltite), calcareous; blebs of light-green shale

5780.0 - 5780.5 Shale, dark-brown, very dolomitic

5780.5 - 5781.1 Limestone, light-brown, micrograined, slightly argillaceous

5781.1 - 5782.1 Limestone, medium-brown, micrograined to medium-grained, fossiliferous. Shale, dark-gray

5782.1 - 5787.0 Dolomite, light- to medium-gray to brown, micrograined, argillaceous

5787.0 - 5789.0 Dolomite, light- to medium-grayish-brown, microcrystalline (dolosiltite) and very finely crystalline, oil-stained; good vuggy porosity. KNOX DOLOMITE at 5787 feet

5789.0 - 5789.3 Sandstone, very light- and light-gray, fine- and medium-grained, dolomitic

5789.3 - 5790.3 Sandstone, light-brown and gray, fine- and medium-grained, very dolomitic. Dolomite, light- to medium-brown, very finely to medium-sucrosic; poor vuggy porosity (vugs filled with pyrite); patches of light-green shale

5790.3 - 5794.0 Shale, medium-gray, very dolomitic, sandy (very fine- to coarse-grained sand)

5794.0 - 5798.0 Sandstone, very light-gray, very fine- and fine-grained, very dolomitic

5798.0 - 5799.7 Dolomite, light-grayish-brown, microcrystalline (dolosiltite), slightly sandy (very fine- and fine-grained sand); oil-stained; poor pinpoint porosity; passing laterally into siltstone. Siltstone, very light-gray, sandy (very fine- and fine-grained sand), dolomitic

5799.7 - 5800.0 Sandstone, very light-gray, very fine-grained, very dolomitic, pyritic; slightly pinkish and brownish in part

5800.0 - 5800.8 Dolomite, very light- to light-brown, microcrystalline (dolosiltite), very sandy (very fine- and fine-grained sand)

5800.8 - 5801.1 As in sample from 5798.0 to 5799.7 feet

5801.1 - 5801.6 Sandstone (gradation from dolomite of sample from 5800.0 to 5800.8 feet)

5801.6 - 5804.5 Sandstone, light- to medium-brown, fine-grained, very dolomitic to dolomitic, pyritic; some medium-sized sand

5804.5 - 5807.8 Dolomite, very light- to light-brown, microcrystalline (dolosiltite)

5807.8 - 5808.5 Dolomite as above, sandy (fine- and medium-grained sand), silty in patches

5808.5 - 5808.8 Sandstone, light-gray, fine-grained, micaceous (biotite); angular grains

5808.8 - 5809.3 Dolomite, light-gray to very light-brown, microcrystalline (dolosiltite), sandy (fine-grained sand); dark-gray shale lamination

5809.3 - 5810.0 Sandstone, very light-brownish-gray, fine-grained, very dolomitic. Dolomite, very light-grayish-brown, microcrystalline (dolosiltite), sandy (very fine- and fine-grained), oil-stained; good pinpoint porosity

5810.0 - 5819.5 Dolomite, very light-brown to brownish-gray, microcrystalline (dolosiltite)

5819.5 - 5819.8 Sandstone, light- to medium-brown, fine- and medium-grained, slightly dolomitic (angular grains), oil-stained. Dolomite, light- to medium-brown, microcrystalline (dolosiltite), sandy (fine- and medium-grained sand); grading into sandstone

5819.8 - 5820.7 Sandstone as above, slightly glauconitic

5820.7 - 5821.2 Sandstone, very light-gray, fine- and medium-grained, dolomitic; some coarse-grained sand; stained with dead oil

5821.2 - 5822.2 Dolomite, light-brown, microcrystalline (dolosiltite) and very finely crystalline, sandy (fine-grained sand); excellent vuggy porosity (ovoid vugs up to 2 mm across); stained with dead oil

5822.2 - 5823.3 Dolomite, very light-grayish-brown, microcrystalline (dolomicrite); poor vuggy porosity. Dolomite, very light-brown, microcrystalline (dolosiltite), sandy to very sandy (fine- and medium-grained sand)

5823.3 - 5833.8 Dolomite as in sample from 5821.2 to 5822.2 feet, fair porosity

5833.8 - 5834.0 Dolomite, light-brown, microcrystalline (dolomicrite and dolosiltite); interbeds of sandy (very fine- and fine-grained sand) and silty dolomite

5834.0 - 5834.6 Dolomite, light-brown, microcrystalline (dolomicrite and dolosiltite), very sandy (fine- to coarse-grained sand); grading into sand-

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stone. KERBEL FORMATION at 5834 feet

5834.6 - 5834.7 Dolomite as in sample from 5833.8 to 5834.0 feet

5834.7 - 5835.7 Dolomite, light- to medium-brown, microcrystalline (dolosiltite), sandy (very fine- to medium-grained sand); very fine and fine grained in part

5835.7 - 5836.1 Dolomite, very light- to light-grayish-brown, microcrystalline (dolosiltite), sandy to very sandy (fine- and medium-grained sand); poor pinpoint porosity

5836.1 - 5837.7 Dolomite, very light-brown, microcrystalline (dolosiltite), slightly sandy (fine- and medium grained sand). Dolomite as above, interbedded with very argillaceous medium-brown and medium-greenish-gray dolomite

5837.7 - 5843.0 Dolomite, light-brown, microcrystalline (dolosiltite), very sandy (fine- to coarse-grained sand); grading into sandstone

5843.0 - 5843.7 Dolomite as above

5843.7 - 5844 Sandstone, very light-brownish-gray to white, very fine- and fine-grained, slightly dolomitic

5860 - 5862 Sandstone as above, very light brown to brownish gray

5862 - 5863 Sandstone as in sample from 5837.7 to 5843.0 feet, very dolomitic

5863 - 5866 Sandstone as above

5866 - 5869 Sandstone, very light-gray, fine- and medium-grained, dolomitic. Sandstone, very light-brown, very fine-grained, dolomitic

5869 - 5872.8 Sandstone, very light-brown to gray, medium- and coarse-grained, very dolomitic

5872.8 - 5874.5 Sandstone as above, fine to coarse grained, predominantly medium grained

5874.5 - 5880.0 Sandstone as above

5880.0 - 5881.5 Sandstone as above, predominantly fine grained

5881.5 - 5887.0 Sandstone as above

5887.0 - 5887.5 Dolomite, light-brown, microcrystalline (dolosiltite) slightly sandy (fine- and medium-grained sand)

5887.5 - 5888.0 Dolomite, light-brown, microcrystalline (dolosiltite) and very finely crystalline; fine grained in part; fair pinpoint porosity

5888.0 - 5890.0 Dolomite as above, sandy, grading into medium-grained sandstone

*Base of core chips*

5890.0 - 5920 Sandstone, light-yellowish-gray, fine- and medium-grained, dolomitic

5920 - 5930 Sandstone, light-gray to very light-brownish-gray, very fine- and fine-grained, siliceous; silty in part. Sandstone as above, minor. Shale, dark-brown, silty; heavy trace. Shale, black and dark-gray; cavings. CONASAUGA FORMATION at 5920 feet

5930 - 5970 Siltstone, light-gray to medium- and dark-brown and brownish-gray, argillaceous; very slightly glauconitic in part. Shale, dark-brown, silty. Sandstone as above, trace

5970 - 5990 As above. Dolomite, very light- and light-gray, very finely crystalline, bioclastic(?); heavy trace

5990 - 6020 Siltstone, light-gray to brownish-gray; argillaceous in small part. Shale, black and dark-gray; cavings

6020 - 6030 Dolomite, light- to dark-brown, very finely and finely crystalline, slightly silty. ROME FORMATION at 6022 feet (GRN)

6030 - 6040 Dolomite as above, very light brown and grayish brown in part. Shale, light-green, micaceous; trace

6040 - 6060 Dolomite, very light- and light-brown, microcrystalline (dolosiltite) to medium-crystalline, sandy (fine- and medium-grained sand)

6060 - 6080 Dolomite as above. Sandstone, very light-brown, medium- and coarse-grained, dolomitic, slightly glauconitic; trace

6080 - 6090 Dolomite, very light- and light-brown, microcrystalline (dolosiltite), sandy (very fine- to coarse-grained sand); grading into sandstone. Sandstone, predominantly fine-grained; heavy trace

6090 - 6120 Dolomite as above. Sandstone as above, minor. Both sandstone and dolomite slightly glauconitic from 6100 feet

6120 - 6140 Dolomite, very light- and light-brown, microcrystalline (dolomicrite and dolosiltite), sandy (very fine- to medium-grained sand)

6140 - 6150 Dolomite, light-yellowish-gray to light-brown, very finely and finely crystalline, slightly sandy (very fine-grained sand)

6150 - 6160 Dolomite, sandy to very sandy, grading into sandstone. Sandstone, fine- and medium-grained; minor

6160 - 6170 Sandstone and dolomite as above, dolomite minor

6170 - 6220 Dolomite, very light- and light-brown, very finely to medium crystalline, sandy (fine- and medium-grained sand); pinkish in part; coarsely sucrosic in part; trace of pinpoint porosity

6220 - 6230 Dolomite, very light- to medium-brown, microcrystalline (dolosiltite), slightly sandy (very fine- and fine-grained sand); fine grained in part

6230 - 6240 Dolomite as above, pink and red in small part

6240 - 6260 Dolomite, very light- and light-brown, microcrystalline (dolomicrite and dolosiltite), sandy (very fine- and fine-grained sand); oolitic and pelletal in part (fine- and medium-grained, grain-supported; oolites in part sand centered)

6260 - 6270 Dolomite, very light- and light-brown, microcrystalline (dolosiltite), sandy (very fine- and fine-grained sand); very fine and fine grained in part; pelletal in part (medium-grained, grain-supported)

6270 - 6310 Dolomite, light-yellowish-gray to very light-brown, microcrystalline (dolomicrite and dolosiltite), very slightly sandy (very fine- to medium-grained sand); pelletal in part (very fine- and fine-grained, grain-supported); fine-grained dolarenite in part

6310 - 6320 Dolomite as above, pink in part, very finely and finely crystalline in part, sandy, grading into sandstone. Sandstone, fine-grained; heavy trace

6320 - 6340 Dolomite as above, microcrystalline (dolomicrite and dolosiltite), very slightly sandy as above

6340 - 6350 Dolomite, light-brown, pinkish-brown, and light- and medium-gray, microcrystalline (dolomicrite and dolosiltite), oolitic (medium- and coarse-grained, grain-supported), sandy to very sandy (fine- to coarse-grained sand)

6350 - 6400 Dolomite, light- and medium-brown and gray, microcrystalline (dolomicrite and dolosiltite), pelletal (fine- and medium-grained, grain-supported), sandy (fine- to coarse-grained sand); slightly oolitic as above; laminations of black to dark-gray shale

6400 - 6410 Dolomite as above. Sandstone, very light-brownish-gray, fine- and medium-grained; heavy trace

6410 - 6480 Dolomite, light- to dark-gray and brown, mi-

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CORE DESCRIPTION FILE



crocrystalline (dolomicrite and dolosiltite), pelletal and oolitic, sandy (fine- to coarse-grained). Sandstone, very light-gray, fine- to coarse-grained; trace

6480 - 6500 Dolomite as above, sandy to very sandy. Sandstone as above, minor

6500 - 6520 Dolomite as above. Sandstone as above

6520 - 6530 Sandstone, light-yellowish-gray and very light-brownish-gray, very fine- to medium-grained. Dolomite as above, heavy trace. MT. SIMON SANDSTONE at 6520 feet

6530 - 6540 Sandstone as above, very fine to coarse grained. Dolomite as above, trace

6540 - 6570 Sandstone as above

6570 - 6580 Sandstone as above, arkosic in part

6580 - 6590 Granite gneiss. PRECAMBRIAN at 6580 feet. For detailed description from 6930 feet to TD, see McCormick (1961); in his report, top of Precambrian placed at 6930 feet

*TD samples 7040 feet*

Miami County
Washington Township
Section 3

Sun Oil Co. #1 Levering
Permit No. 1
Sample No. 669
Elevation (DF) 995 feet

*Depth (ft)*

1600 - 1609 Limestone, light- and medium-brown, lithographic; 80%. Shale, medium- and dark-grayish-green, silty, pyritic; sandy in part; 20%

1609 - 1622 Limestone as above, 40%. Shale as above, 30%. Sandstone, light-greenish-gray, dolomitic, argillaceous, very fine- and fine-grained; 30%. Dolomite, medium-brown, microcrystalline (dolosiltite), silty; heavy trace

1622 - 1632 Dolomite, very light- and light-brown, microcrystalline (dolosiltite), slightly sandy; 80%. Shale as above, 10%. Sandstone as above, 10%. Chert, white, very light-brown, oolitic; recrystallized in part; heavy trace. KNOX DOLOMITE at 1626 feet (GRN)

1632 - 1642 Dolomite, very light-brownish-gray, microcrystalline (dolosiltite) and very finely crystalline, slightly sandy (very fine-grained sand), slightly pyritic, microsucrosic in part; 90%. Chert, white and very light-gray, oolitic; recrystallized in part; 10%

1642 - 1656 As above, dolomite in part light brown, sand in dolomite very fine and fine grained

1656 - 1667 Dolomite, very light-gray, finely to coarsely crystalline; sucrosic in part

1667 - 1685 Dolomite as above, very light brown

1685 - 1697 Dolomite as above. Chert, white; recrystallized in part; heavy trace

1697 - 1706 Dolomite, light-brown, slightly grayish, microcrystalline (dolosiltite) and very finely crystalline; poor pinpoint porosity

1706 - 1722 Dolomite, light-brown, very finely sucrosic

1722 - 1751 Dolomite, light-brown, very light-grayish-brown and gray, microcrystalline (dolomicrite) to very finely crystalline, slightly glauconitic, sandy (very fine- to coarse-grained sand); becoming very finely and finely crystalline at 1735 feet; in small part grading into sandstone

1751 - 1766 Dolomite, light-brown, very finely and finely crystalline and sucrosic; some matrix chert and chert oolites. Chert, white, very light-gray, oolitic; heavy trace. Sandstone, light-gray, fine- to coarse-grained, dolomitic; trace

1766 - 1777 Dolomite, light- and medium-brown, microcrystalline (dolosiltite); oolitic and pelletal in part; silicified in part

1777 - 1790 Dolomite, light-brown, very finely crystalline

1790 - 1806 Dolomite, medium-brown, very finely crystalline, pelletal; sucrosic in part; good pinpoint porosity. Chert, white and very light-brown; oolitic and pelletal in part; trace

1806 - 1816 Dolomite, very light- and light-brown, microcrystalline (dolosiltite) and very finely crystalline; silty and slightly glauconitic in part; grading into siltstone in small part

1816 - 1830 Dolomite, very light-yellowish-brown to light-brown, microcrystalline (dolosiltite); silty in part. Chert, white, silty; trace. Sandstone, light-gray, fine-grained; trace

1830 - 1840 Dolomite as above, slightly sandy (fine- to coarse-grained sand), very finely crystalline in part

1840 - 1846 Dolomite, light-brown, grayish-brown, microcrystalline (dolosiltite), silty, slightly glauconitic, slightly sandy

1846 - 1863 Dolomite, very light-brown, microcrystalline (dolosiltite). Chert, white; trace

1863 - 1875 Dolomite, very light- and light-brown, microcrystalline (dolomicrite) to very finely crystalline; some pellets. Chert as above, trace

1875 - 1885 Dolomite as above, predominantly microcrystalline (dolomicrite). Chert as above, trace

1885 - 1899 Dolomite, light-brown, microcrystalline (dolomicrite); poor vuggy porosity (no permeability)

1899 - 1915 Dolomite, light-brown, microcrystalline (dolosiltite)

1915 - 1930 Dolomite, light- and medium-brown, very finely crystalline

1930 - 1978 Dolomite as above, finely crystalline and sucrosic in part, recrystallized. Chert, heavy trace to trace

1978 - 1994 Dolomite as above, predominantly very light grayish brown, fine sample

1994 - 2021 Dolomite, light-brown to very light-grayish-brown, very finely crystalline. Chert, recrystallized, or fine-grained sand, heavy trace. Fine sample

2021 - 2034 Dolomite, light-brown, very finely and finely crystalline. Chert, recrystallized, or sand, trace

2034 - 2046 Dolomite as above. Dolomite, very light-grayish-brown, microcrystalline (dolosiltite)

2046 - 2063 Dolomite, very light- to medium-brown, microcrystalline (dolosiltite) and very finely crystalline. Dolomite crystals, trace

2063 - 2110 Dolomite, very light-grayish-brown to light-brown, predominantly microcrystalline (dolosiltite)

2110 - 2120 Dolomite, very light-brownish-gray and light-gray, microcrystalline (dolosiltite). Dolomite, light- and medium-brown, microcrystalline (dolosiltite) to finely crystalline

2120 - 2134 Dolomite, very light-brownish-gray, microcrystalline (dolosiltite) to finely crystalline and sucrosic, pyritic, sandy (very fine-grained sand)

2134 - 2147 Dolomite as above, very light brown in part

2147 - 2159 Dolomite as above, very light brownish gray, fine sample

2159 - 2175 Dolomite as above, very light brownish gray, light gray, predominantly microcrystalline (dolosiltite), slightly pyritic

2175 - 2187 Dolomite, very light-gray, very finely crystalline and sucrosic

2187 - 2202 Dolomite, very light-grayish-brown to light-brown, microcrystalline (dolomicrite) to very finely crystalline

2202 - 2215 Dolomite, very light-brown, microcrystalline (dolosiltite); pinkish in part

2215 - 2227 Dolomite, very light-grayish-brown to dark-brown, microcrystalline (dolomicrite and

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