

INTERVAL SHEET

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VDMR WELL NO.: 519

Date 9-11-61

Sample Interval: from 0 to 550

PROP: Western State Hospital Well #3

Total Depth \_\_\_\_\_

COMP: Sydnor

Oil \_\_\_\_\_ Gas \_\_\_\_\_ Water x Exploratory \_\_\_\_\_

COUNTY: Augusta

Cuttings x Core \_\_\_\_\_ Other \_\_\_\_\_

WASHED SAMPLES

| From-To | From-To          | From-To          | From-To                  | From-To          |
|---------|------------------|------------------|--------------------------|------------------|
| -       | 0 - 10           | 300 - 310        | 0 - 10                   | 300 - 310        |
| -       | 10 - 20          | 310 - 320        | 10 - 20                  | 310 - 320        |
| -       | 20 - 30          | 320 - 330        | 20 - 30                  | 320 - 330        |
| -       | 30 - 40          | 330 - 340        | 30 - 40                  | 330 - 340        |
| -       | 40 - 50          | 340 - 350        | 40 - 50                  | 340 - 350        |
| -       | 50 - 60          | 350 - 360        | 50 - 60                  | 350 - 360        |
| -       | 60 - 70          | 360 - 370        | 60 - 70                  | 360 - 370        |
| -       | 70 - 80          | 370 - 380        | 70 - 80                  | 370 - 380        |
| -       | 80 - 90          | 380 - 390        | 80 - 90                  | 380 - 390        |
| -       | 90 - <u>100</u>  | 390 - <u>400</u> | <u>Missing</u> 90 - 100  | 390 - <u>400</u> |
| -       | 100 - 110        | 400 - 410        | 100 - 110                | 400 - 410        |
| -       | 110 - 120        | 410 - 420        | 110 - 120                | 410 - 420        |
| -       | 120 - 130        | 420 - 430        | 120 - 130                | 420 - 430        |
| -       | 130 - 140        | 430 - 440        | 130 - 140                | 430 - 440        |
| -       | 140 - 150        | 440 - 450        | 140 - 150                | 440 - 450        |
| -       | 150 - 160        | 450 - 460        | 150 - 160                | 450 - 460        |
| -       | 160 - 170        | 460 - 470        | 160 - 170                | 460 - 470        |
| -       | 170 - 180        | 470 - 480        | 170 - 180                | 470 - 480        |
| -       | 180 - 190        | 480 - 490        | <u>Missing</u> 180 - 190 | 480 - 490        |
| -       | 190 - <u>200</u> | 490 - <u>500</u> | 190 - <u>200</u>         | 490 - <u>500</u> |
| -       | 200 - 210        | 500 - 510        | 200 - 210                | 500 - 510        |
| -       | 210 - 220        | 510 - 520        | <u>Missing</u> 210 - 220 | 510 - 520        |
| -       | 220 - 230        | 520 - 530        | 220 - 230                | 520 - 530        |
| -       | 230 - 240        | 530 - 540        | <u>Missing</u> 230 - 240 | 530 - 540        |
| -       | 240 - 250        | 540 - 550        | 240 - 250                | 540 - 550        |
| -       | 250 - 260        | 545 - 550        | 250 - 260                | 545 - 550        |
| -       | 260 - 270        | -                | 260 - 270                | -                |
| -       | 270 - 280        | -                | 270 - 280                | -                |
| -       | 280 - 290        | -                | 280 - 290                | -                |
| -       | 290 - <u>300</u> | -                | 290 - <u>300</u>         | -                |

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT  
DIVISION OF MINERAL RESOURCES

Box 3667, University Station, Charlottesville, Virginia

VDMR # 519  
WWCR # 211

## WATER WELL COMPLETION REPORT

OWNER: Western State Hospital #3 Mailing Address: Staunton, Virginia  
 TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_  
 DRILLER: Sydnor Pump & Well Company Mailing Address: Richmond, Virginia  
 WELL LOCATION: County Augusta Approx. 104 ft. times  
East (direction) of Staunton and \_\_\_\_\_ ft. miles of North 250 Highway  
(Give direction and distance in feet or tenths of mile from two reference points - roads, towns, rivers, etc. - on county highway or other map.)

**WATER CONDITIONS**

**DEPTH**  
no record

STATIC WATER LEVEL \_\_\_\_\_  
 WATER ZONES (fissures or formations supplying water)  
 (from) \_\_\_\_\_ (to) \_\_\_\_\_ (from) \_\_\_\_\_ (to) \_\_\_\_\_  
 \_\_\_\_\_ ft. \_\_\_\_\_ ft.  
 \_\_\_\_\_ ft. \_\_\_\_\_ ft.

**QUANTITY OF WATER**

WELL PUMPED (or bailed) at 2-3 Gal. per Min. with  
 \_\_\_\_\_ feet DRAWDOWN after \_\_\_\_\_ HOURS PUMPING.  
 FLOW (natural) \_\_\_\_\_ G.P.M. HEAD \_\_\_\_\_ ft. (above ground) **W**  
 REMARKS: \_\_\_\_\_

**QUALITY OF WATER**

COLOR \_\_\_\_\_ TASTE \_\_\_\_\_  
 ODOR \_\_\_\_\_ OTHER \_\_\_\_\_  
 ANALYSIS: AVAILABLE - Yes  No  ATTACHED Yes  No   
 TEMPERATURE \_\_\_\_\_  
 WATER \_\_\_\_\_ (from) \_\_\_\_\_ (to) \_\_\_\_\_ ft.  
(salt, brackish, iron, sulfur, acid, other)  
 USE OF WATER: Domestic  Town  Industry  Farm  Public

**CONSTRUCTION**

RIG TYPE (or method) rotary  
(rotary, cable, bored, driven, etc..)  
 DATE: Started 12-27-60; Completed 1-5-61  
 TOTAL DEPTH 550 ft.  
 BEDROCK at 13 ft.

**GROUTING INFORMATION**

METHOD USED \_\_\_\_\_  
 GROUTING MATERIAL \_\_\_\_\_  
 DEPTH OF GROUTING \_\_\_\_\_

REMARKS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

| HOLE SIZE                |             | CASING SIZE    |             |
|--------------------------|-------------|----------------|-------------|
| (diam.)                  | (from) (to) | (diam.)        | (from) (to) |
| in.                      | ft.         | in.            | ft.         |
| 10 1/2                   | 0 - 100     | 7 OD           | +2 - 100    |
| 6 1/2                    | 100 - 550   |                |             |
| SCREEN (or perforations) |             |                |             |
| (diam.)                  | (from) (to) | (opening size) |             |
| in.                      | ft.         |                |             |
|                          |             |                |             |

**PUMP (installed)**

TYPE \_\_\_\_\_ Cap. (gpm) \_\_\_\_\_  
 H.P. \_\_\_\_\_ Depth of intake \_\_\_\_\_ ft.

LOG

FURNISHED BY Sydnor Pump & Well Company, Inc.

DATE: April 27, 1961

| DEPTH (feet) |     | TYPE OF SOIL OR ROCK PENETRATED<br>(gravel, clay, etc., hardness, color, etc) | REMARKS<br>(water, caving, shot, screen, sample, etc) |
|--------------|-----|---|---|
| FROM         | TO  |   |   |
| 0            | 13  | Red clay  |   |
| 13           | 14  | Limestone   |   |
| 14           | 37  | Gray limestone - hard   |   |
| 37           | 83  | Gray limestone - hard   | Crack - dry   |
| 83           | 100 | Gray limestone - hard   |   |
| 100          | 140 | Blue limestone  |   |
| 140          | 141 | Limestone mixed with white rock   |   |
| 141          | 164 | Limestone   |   |
| 164          | 166 | Cracked weathered lime - water  | 2 GPM   |
| 166          | 192 | Limestone   |   |
| 192          | 248 | Blue limestone  |   |
| 248          | 249 | White quartz mixed with limestone   |   |
| 249          | 257 | Blue limestone  |   |
| 257          | 400 | Gray limestone - hard   |   |
| 400          | 470 | Gray limestone - hard   |   |
| 470          | 520 | Gray limestone  |   |
| 520          | 550 | Gray limestone - hard   |   |

1 ORIGINAL  
1 CARBON

VDMR # 519  
WUCR # 211  
211

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East (direction) of Staunton and \_\_\_\_\_ <sup>ft.</sup> miles of North 250 Highway

(Give direction and distance in feet or tenths of mile from two reference points—roads, towns, rivers, etc.—on county highway or other map)

WATER CONDITIONS

DEPTH

STATIC WATER LEVEL no record

WATER ZONES (fissures or formations supplying water)

(from) (to) (from) (to)  
ft. ft. ft. ft.

QUANTITY OF WATER

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REMARKS: \_\_\_\_\_

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COLOR \_\_\_\_\_ TASTE \_\_\_\_\_

ODOR \_\_\_\_\_ OTHER \_\_\_\_\_

ANALYSIS: AVAILABLE— Yes  No  ATTACHED Yes  No

TEMPERATURE \_\_\_\_\_

WATER (from) \_\_\_\_\_ ft. (to) \_\_\_\_\_ ft.  
(salt, brackish, iron, sulfur, acid, other)

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BEDROCK at 13 ft.

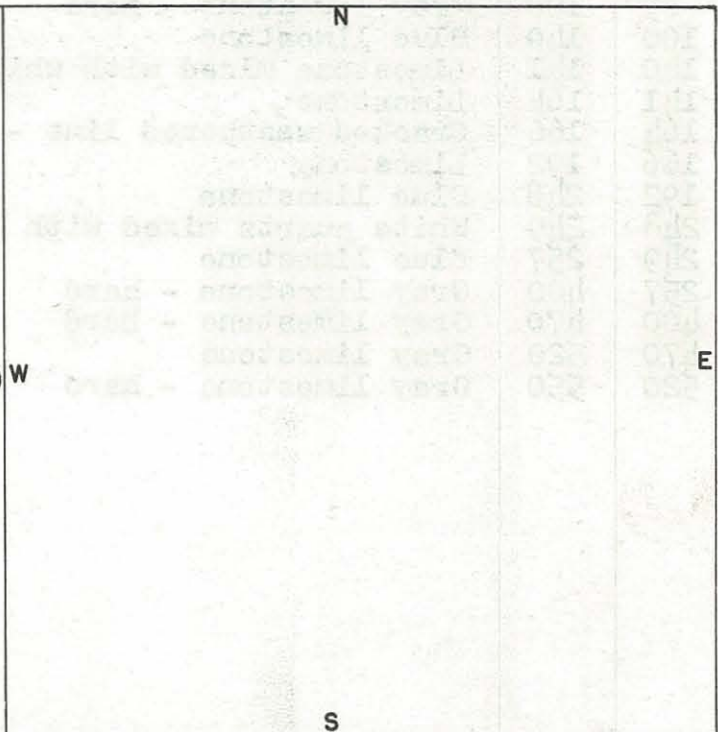
GROUTING INFORMATION

METHOD USED \_\_\_\_\_

GROUTING MATERIAL \_\_\_\_\_

DEPTH OF GROUTING \_\_\_\_\_

REMARKS: \_\_\_\_\_



HOLE SIZE

(diam) in (from) ft (to) ft  
10 in 0 ft 100 ft  
6 3/8 100 550

CASING SIZE

(diam) in (from) ft (to) ft  
7 OD in +2 ft 100 ft

SCREEN (or perforations)

(diam) (from) ft (to) ft (opening size)

PUMP (installed)

TYPE \_\_\_\_\_ Cap. (gpm) \_\_\_\_\_

H.P. \_\_\_\_\_ Depth of intake \_\_\_\_\_ ft.

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| 140          | 141 | Limestone mixed with white rock   |   |
| 141          | 164 | Limestone   |   |
| 164          | 166 | Cracked weathered lime - water  | 2 GPM   |
| 166          | 192 | Limestone   |   |
| 192          | 248 | Blue limestone  |   |
| 248          | 249 | White quartz mixed with limestone   |   |
| 249          | 257 | Blue limestone  |   |
| 257          | 400 | Gray limestone - hard   |   |
| 400          | 470 | Gray limestone - hard   |   |
| 470          | 520 | Gray limestone  |   |
| 520          | 550 | Gray limestone - hard   |   |