

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

WWCR# 47
 VDMR# 524

Box 3667, University Station, Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: James Shrewsbury Mailing Address: Shenandoah, Va.
 TENANT: _____ Mailing Address: _____
 DRILLER: Sydnor Pump and Well Co., Inc. Mailing Address: Richmond, Va.
 WELL LOCATION: County Page Approx. _____ ft. miles
 (direction) of _____ and _____ ft. miles of _____
 (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 37'
 WATER ZONES (fissures or formations supplying water)
 (from) _____ (to) _____ (from) _____ (to) _____
 _____ ft. _____ ft.
 _____ ft. _____ ft.
 QUANTITY OF WATER
 WELL PUMPED (or bailed) at 7-8 Gal. per Min. with
110 feet DRAWDOWN after 6 HOURS PUMPING.
 FLOW (natural) _____ G.P.M. HEAD _____ ft. (above ground) **W**
 REMARKS: _____

The James Shrewsbury home is located on the Verbena Farms sub division about 1 mile S. of Shenandoah Virginia on the east side of Hwy 340.

QUALITY OF WATER

COLOR muddy TASTE Ok
 ODOR None OTHER _____
 ANALYSIS: AVAILABLE— Yes No ATTACHED Yes No
 TEMPERATURE _____
 WATER _____ (from) _____ ft. (to) _____ ft.
 (salt, brackish, iron, sulfur, acid, other)
 USE OF WATER: Domestic Town Industry Farm Public

CONSTRUCTION

RIG TYPE (or method) Air rotary
 (rotary, cable, bored, driven, etc...)
 DATE: Started 1-12-61; Completed 1-16-61
 TOTAL DEPTH 125 ft.
 BEDROCK at 85 ft.

GROUTING INFORMATION

METHOD USED Gravity
 GROUTING MATERIAL Cement and water
 DEPTH OF GROUTING 80 plus

HOLE SIZE

(diam) _____ (from) _____ (to) _____
9 in. 0 ft. 89 ft.
5 _____ 89 _____ 125 _____
 SCREEN (or perforations)
 (diam) _____ (from) _____ (to) _____
 _____ in. _____ ft. _____ ft.

CASING SIZE

(diam) _____ (from) _____ (to) _____
5 in. _____ ft. _____ ft.

PUMP (installed)

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

REMARKS: This well will clear with pumping with customer's pump. It is possible it may take quite a bit of pumping.

Log and samples for Div. of Min. Resources

Rig 65

FURNISHED BY Sydnor Pump and Well Co., Inc.

DATE: 1-17-61

From driller Mitchell's log by Jesse Snyder, Jr.

| DEPTH (feet) | | TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc) | REMARKS (water, caving, shot, screen, sample, etc) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------|-------------------------------------------------------|
| FROM | TO | | |
| 0 | 1 | Top soil | |
| 1 | 15 | Red clay boulders | |
| 15 | 85 | Hard clay - with boulders | |
| 85 | 99 | Gray limestone | |
| 99 | 105 | Broken limestone | Trace moisture |
| 105 | 107 | Gray limestone | |
| 107 | 125 | Weathered limestone | Full of mud and water Lots of limestone fragments. |
| <p>This well pumped quite a bit of heavy mud. The mud gradually thinned out and after about 8 hours of airlift development and surging the well was pumping 8 gpm as measured with stop watch.</p> | | | |

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

47

UDMR# 524

Box 3667, University Station, Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: James Shrewsbury Mailing Address: Shenandoah, Virginia
 TENANT: _____ Mailing Address: _____
 DRILLER: Sydnor Pump & Well Co Inc Mailing Address: Richmond, Virginia
 WELL LOCATION: County Page Approx. _____ ft. _____ miles
 (direction) of _____ and _____ of _____

WATER CONDITIONS

DEPTH
 STATIC WATER LEVEL 37'
 WATER ZONES (fissures or formations supplying water)
 (from) (to) (from) (to)
 _____ ft. _____ ft. _____ ft. _____ ft.

QUANTITY OF WATER
 WELL PUMPED (or bailed) at 7-8 Gal. per Min. with
110 feet DRAWDOWN after 6 HOURS PUMPING.
 FLOW (natural) _____ G.P.M. HEAD _____ ft. (above ground)
 REMARKS: _____

QUALITY OF WATER
 COLOR muddy TASTE ok
 ODOR None OTHER _____
 ANALYSIS: AVAILABLE— Yes No ATTACHED Yes No
 TEMPERATURE _____
 _____ WATER (from) _____ ft. (to) _____ ft.
 (salt, brackish, iron, sulfur, acid, other)
 USE OF WATER: Domestic Town Industry Farm Public

The James Shrewsbury Home is located on the Verbeena Farms Sub Division about 1 mile South of Shenandoah Virginia on the East side of Hwy 340

CONSTRUCTION

RIG TYPE (or method) Air Rotary
 (rotary, cable, bored, driven, etc...)
 DATE: Started 1-12-61; Completed 1-16-61
 TOTAL DEPTH 125' ft.
 BEDROCK at 85' ft.

| HOLE SIZE | | | CASING SIZE | | |
|-----------|--------|------|-------------|--------|------|
| (diam) | (from) | (to) | (diam) | (from) | (to) |
| 9 | 0 | 89 | 5 | | |
| 5 | 89 | 125 | | | |

SCREEN (or perforations)
 (diam.) (from) (to) (opening size)
 _____ in _____ ft. _____ ft. _____ ft.

GROUTING INFORMATION

METHOD USED Gravity
 GROUTING MATERIAL Cement + Water
 DEPTH OF GROUTING 80' plus

PUMP (installed)

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

REMARKS: The well will clear by pumping with customers pump
It is possible it may take quite a bit of pumping

Log of well (over)

Logs & samples for Div. of Min Resources

FURNISHED BY *Sydnor Pump & Well Co Inc*

DATE: *1-17-61*

Rig 65

From Driller Mitchells Log By Gene Snyder Jr.

| DEPTH (feet) | | TYPE OF SOIL OR ROCK PENETRATED (gravel, clay, etc., hardness, color, etc) | REMARKS (water, caving, shot, screen, sample, etc) |
|--------------|-----|-------------------------------------------------------------------------------|-------------------------------------------------------|
| FROM | TO | | |
| 0 | 1 | Top Soil | |
| 1 | 15 | Red Clay Boulders | |
| 15 | 85 | Hard Clay - with Boulders | |
| 85 | 99 | Gray Limestone | |
| 99 | 105 | Broken Limestone - Trace moisture | |
| 105 | 107 | Gray Limestone | |
| 107 | 125 | Weathered Limestone - Full of mud and water - Lots of Limestone fragments | |

This well pumped quite a bit of heavy mud. The mud gradually thinned out and after about 8 hours of Air lift development and surging the well was pumping 8 G.P.M. as measured with stop watch.

