

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-4959
C-190

MAILING ADDRESS:
Box 3667
Charlottesville, VA 22903

DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER
WATER WELL COMPLETION REPORT

OFFICE ADDRESS:
McCormick Road
Charlottesville, Virginia

OWNER: Roy Rogers Development Corporation #2 Mailing Address: 1020 Elm Drive Mechanicsville, Virginia 23111

TENANT: "The Ridges" Subdivision Mailing Address: _____

DRILLER: Sydnor Hydrodynamics, Incorporated Mailing Address: P. O. Box 27186 Richmond, Virginia 23261

WELL LOCATION: County Hanover Approx. .3 ^{feet}/_{miles} west (direction) of _____
State Route 615 and .2 ^{feet}/_{miles} south (direction) of State Route 1542

(GIVE DIRECTION AND DISTANCE IN FEET OR MILES FROM TWO REFERENCE POINTS - ROADS, TOWNS, RIVERS, ETC. - ON COUNTY HIGHWAY OR OTHER MAP.)

DATE STARTED: August 25, 1977 DATE COMPLETED: September 17, 1977

TYPE OF DRILL RIG USED: rotary TOTAL DEPTH 360 feet

WATER LEVEL: Stands 189'10" feet below surface OR Completed at 354 feet

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method pump

Drawdown 42 feet

Rate 45 gal. per min.

Duration 48 hrs., _____ min.

HOLE SIZE: 12 inches from 0 to 360 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

4 262 267

SCREEN SIZE: 4 inches from 286 to 291 feet

4 inches from 299 to 304 feet

4 inches from 334 to 349 feet

CASE SIZE: 6 inches from +2 to 262 feet

4 inches from 267 to 286 feet

4 inches from 291 to 299 feet

4 inches from 304 to 334 feet

4 inches from 349 to 354 feet

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other subdivision

GROUTING: Method yes

Material _____ Depth 50 feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

WATER ANALYSIS AVAILABLE: Yes X No _____

By: Froehling and Robertson (State Lab)

DRILL CUTTINGS SAVED: Yes 35 No _____

(DRILL CUTTINGS SHOULD BE COLLECTED AT 10 FOOT INTERVALS. THESE SAMPLES MAY BE SHIPPED TO THIS OFFICE EXPRESS COLLECT. SAMPLE BAGS ARE FURNISHED FREE OF CHARGE UPON REQUEST.)

REMARKS: Electric log by driller.

LOG

FURNISHED BY: Tom Vires

DATE: _____

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	3	Fine sand	
3	27	Pink and yellow clay	
27	112	Fine sand, white and brown	
112	150	Dark blue clay and fine black sand	
150	228	Dark blue clay with hard streaks	
228	250	Hard, rough clay, gravel and sand	
250	304	Gray clay and sand	
304	320	Tough gray clay and sand with some yellow and brown clay	
320	360	Gray clay and sand	

(Use additional forms if necessary)

OWNER : Roy Rogers Development Corporation #2 W# : 4959
DRILLER: Sydnor Hydrodynamics C# : 190
COUNTY : Hanover (Simpkins Corner) TOTAL DEPTH: 360'
QUAD : Seven Pines

GEOLOGIC LOG

Depth
(feet)

0-10 Sand- yellowish-gray; slightly silty; fine to medium grained; subangular to subrounded; moderately well sorted; quartz; feldspar; some opaques.

10-20 Sand- grayish-orange; slightly clayey; fine to coarse grained; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques.

20-30 As above except medium to coarse grained, some fine grains; moderately well sorted.

30-40 Sand- light grayish-orange; medium to coarse grained, few granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.

40-50 As above except some opaques.

50-60 Sand- grayish-orange; slightly to moderately stained; coarse to very coarse grained, few granules; subangular to subrounded; well sorted; quartz; feldspar; few opaques; garnet.

60-70 As above except no garnet.

70-80 Sand- dark yellowish-orange; slightly to very heavily stained, coarse to very coarse grained, some medium grains, few granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.

80-90 As above except moderately to heavily stained; no medium grains.

90-100 As above.

100-110 Sand- light grayish-orange; some stained grains; medium to coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.

110-120 Sand- light grayish-orange; slightly stained; medium grained; subangular to subrounded; well sorted; quartz; feldspar; few opaques.

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Depth
(feet)

- 120-130 Sand- light olive gray; some stained grains; fine to coarse grained; subangular to rounded; moderately sorted; quartz; 10% glauconite; feldspar; few flakes of muscovite; few black phosphatic fragments.
- 130-140 Sand- light olive gray; very coarse grained, few granules; subangular to subrounded; well sorted; quartz; feldspar; few shell fragments; glauconite.
- 140-150 Sand- light olive gray; very coarse grained, 20% granules; subrounded; well sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 150-160 As above.
- 160-170 Sand- olive light gray; slightly clayey; medium grained to granular; subangular to rounded; poorly sorted; quartz; 15% glauconite; feldspar; few shell fragments; muscovite.
- 170-180 As above except 25% glauconite; some shell fragments; few black phosphatic fragments.
- 180-190 Granules and sand- olive light gray; moderate clay; medium to coarse grained, 50% granules; subangular to rounded; poorly sorted; quartz; 15% glauconite; feldspar; few shell fragments; muscovite.
- 190-200 Gravel- off-white; slightly clayey; some very coarse grains, 5% granules; subangular to subrounded; moderately well sorted; quartz; feldspar; few flakes of muscovite.
- 200-210 Sand- olive light gray; moderate clay; fine to coarse grained, some granules, some pebbles; subangular to subrounded; moderately sorted; quartz; 7% glauconite; few shell fragments; muscovite.
- 210-220 Sand and clay- olive light gray; moderate clay- olive light gray, moderate orange pink; fine grained to granular, 10% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 3% glauconite; some shell fragments; muscovite.
- 220-230 As above.
- 230-240 Clay and sand- olive light gray; abundant clay; moderate sand; fine to medium grained, some coarse grains, some granules, 5% pebbles; subangular to subrounded; moderately sorted; quartz; 7% glauconite; 2% shell fragments; some muscovite.

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Depth
(feet)

- 240-250 Sand- light olive gray; coarse to very coarse grained, some fine grains, some medium grains, some granules, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; 3% glauconite; few flakes of muscovite; few shell fragments.
- 250-260 Sand- light olive gray; coarse to very coarse grained; subangular to subrounded; moderately well sorted; quartz; feldspar; 3% glauconite; few shell fragments; muscovite.
- 260-270 As above plus some medium grains, 5% granules, few pebbles; moderately sorted.
- 270-280 As above except 2% glauconite.
- 280-290 As above except slightly clayey.
- 290-300 Sand- light olive gray; coarse to very coarse grained, 7% granules; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 300-310 As above except slightly clayey; 10% granules.
- 310-320 As above plus some medium grains; 5% granules; moderately sorted.
- 320-330 As above except some granules; some pebbles.
- 330-340 Sand- light olive gray; medium to coarse grained, some fine grains, some granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; 2% glauconite; few flakes of muscovite.
- 340-350 Sand- light olive gray; slightly clayey; coarse grained to granular, some medium grains, some pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
- 350-360 No sample.

Logged by: Michael T. Currie
June 11, 1979