COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W#: 2617
C#: 127

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: Sydnor Hydrodynamics, Inc. Mailing Address: OPERATIONS DIV., 1305 Brook Rd. Richmond, Va.

TENANT: High Point Farms #1 Mailing Address: SAME AS ABOVE

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: SAME AS ABOVE

WELL LOCATION: County Hanover Approx. 500 ~~feet~~ ~~miles~~ Southwest (direction) of State Route #156 and 1800 ~~feet~~ ~~miles~~ Northwest (direction) of State Road #615

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

DATE STARTED: 4/18/69 DATE COMPLETED: 4/29/69

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 370 feet

WATER LEVEL: Stands 171 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method submersible pump

Drawdown 31'4" feet

Rate 78 ½ gal. per min.

Duration 6 hrs., 45 min.

WATER ZONES: from 279 to 285 feet
298 313
from 321 to 339 feet

from 346 to 354 feet

WATER: Color clear Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Subdivision

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: 37 Yes X No _____

HOLE SIZE: 12 inches from 0 to 370 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 6 inches from 279 to 285 feet

6 inches from 298 to 313 feet
5 inches 321 339
5 inches from 346 to 354 feet

CASE SIZE: 6 inches from + 2 to 279 feet
6 285 298
6 inches from 313 to 321 feet
5 inches 339 346
4 inches from 354 to 359 feet

GROUTING: Method Pressure

Material cement & water Depth 50 feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

(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 Ran by driller

(LOG OF WELL) OVER

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: 4/29/69

DEPTH (feet) FROM	DEPTH (feet) TO	TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
0	2	Top Soil	
2	20	Red Clay	
20	70	Yellow Clay	
70	120	Gray Clay	
120	123	Shells and Clay	
123	220	Gray Clay	
220	310	Gray Sand and Clay	
310	368	Gray Sand	
368	370	Rock	

(Use additional forms if necessary)

W-2617
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DIVISION OF MINERAL RESOURCES
JAMES L. CALVER, COMMISSIONER

WATER WELL COMPLETION REPORT

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OWNER: Sydnor Hydrodynamics, Inc. Mailing Address: OPERATIONS DIV., 1305 Brook Rd. Richmond, Virginia

TENANT: High Point Farms Mailing Address: SAME AS ABOVE

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: SAME AS ABOVE

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DATE STARTED: 4/18/69 DATE COMPLETED: 4/29/69

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 370 feet

WATER LEVEL: Stands 171 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible

Drawdown 31'4" feet

Rate 78 ½ gal. per min.

Duration 6 hrs., 45 min.

WATER ZONES: from 279/298 to 285/313 feet

from 321 to 339 feet

from 346 to 354 feet

WATER: Color Clear Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Subdivision

WATER ANALYSIS AVAILABLE: Yes X No _____

DRILL CUTTINGS SAVED: Yes 37 X No _____

HOLE SIZE: 12 inches from 0 to 370 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 6 inches from 279 to 285 feet

6 inches from 298 to 313 feet
5 inches 321 339

5 inches from 346 to 354 feet

CASE SIZE: 6 inches from +2 to 279 feet
6 285 298

6 inches from 313 to 321 feet
5 inches 339 346

4 inches from ~~354~~ to ~~359~~ feet

GROUTING: Method Pressure

Material Cement & Water Depth 50 feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

(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: SEVEN PINES QUADRANGLE

High Point Farms Well #1

Electric Log Ran by driller

ELEV. : 183'

(LOG OF WELL) OVER

VIRGINIA DIVISION OF MINERAL RESOURCES
Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of 1

Well Repository No: W#: 2617 C#: 127

Date rec'd: 8/6/69 Date Processed:

Sample Interval: from: 0 to: 370

PROPERTY: **Sydnor (High Point Farms)**

Number of samples: 37

COMPANY: **Sydnor Hydrodynamics, Inc.**

Total Depth: 370'

COUNTY: **Hanover (Mechanicsville)**

Oil or Gas: Water: Exploratory:

From-To	From-To	From-To	From-To
0 - 10	250 - 260	-	-
10 - 20	260 - 270	-	-
20 - 30	270 - 280	-	-
30 - 40	280 - 290	-	-
40 - 50	290 - 300	-	-
50 - 60	300 - 310	-	-
60 - 70	310 - 320	-	-
70 - 80	320 - 330	-	-
80 - 90	330 - 340	-	-
90 - 100	340 - 350	-	-
100 - 110	350 - 360	-	-
110 - 120	360 - 370	-	-
120 - 130	-	-	-
130 - 140	-	-	-
140 - 150	-	-	-
150 - 160	-	-	-
160 - 170	-	-	-
170 - 180	-	-	-
180 - 190	-	-	-
190 - 200	-	-	-
200 - 210	-	-	-
210 - 220	-	-	-
220 - 230	-	-	-
230 - 240	-	-	-
240 - 250	-	-	-

All intervals have both washed and unwashed samples.

OWNER:	Sydnor Hydrodynamics	W#:	2617
	(High Point Farms)	C#:	127
DRILLER:	Sydnor Hydrodynamics	TOTAL DEPTH:	370'
COUNTY:	Hanover (Mechanicsville)	QUAD:	Seven Pines

GEOLOGIC LOG

Depth (feet)	
0-10	Sand — light brown; moderate clay; fine to medium grained, some coarse grains; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques.
10-20	As above plus some moderately stained grains.
20-30	As above except slightly clayey; few flakes of muscovite.
30-40	As above except no muscovite.
40-50	Sand — very dark yellowish orange; moderate clay; fine to coarse grained, few granules, few pebbles; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques; few grains of glauconite; muscovite.
50-60	Sand — light brown; moderate clay — light brown, yellowish gray; fine to coarse grained, few granules; subangular to subrounded; moderately sorted; quartz; feldspar; few opaques; few grains of glauconite.
60-70	Sand — dark yellowish orange; some grains moderately to heavily stained; slightly clayey; fine to coarse grained, 10% granules, some pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; few opaques; muscovite.
70-80	As above except 5% pebbles.
80-90	Sand — yellowish gray; moderate clay; medium grained, some fine grains, some coarse grains; subangular to subrounded; moderately well sorted; quartz; feldspar; few opaques; few grains of glauconite; few grains of garnet; muscovite.
90-100	As above plus 5% granules, some pebbles; moderately sorted.
100-110	Sand — light olive gray; moderate clay — light olive gray, light brown, yellowish gray, dark yellowish orange; fine to coarse grained, 3% granules, 3% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques; few grains of glauconite; few grains of garnet; muscovite.
110-120	Sand — light olive gray; abundant clay — light olive gray, light brown; very fine to medium grained, some coarse grains, some granules, few pebbles; subangular to subrounded; poorly sorted; quartz; feldspar (granules and gravel); some glauconite; few flakes of muscovite.

Depth (feet)	
120-130	As above except moderate clay.
130-140	Sand — light olive gray; moderate clay; fine to coarse grained, 7% granules, 3% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar (granules and pebbles); 5% glauconite; few flakes of muscovite.
140-150	Sand — olive light gray; moderate clay; fine to medium grained, some coarse grains, few granules; subangular to subrounded; moderately sorted; quartz; 10% glauconite; some muscovite; few black phosphatic fragments.
150-160	Sand — olive light gray; moderate clay; fine grained to granular, 5% pebbles; subangular to rounded; poorly sorted; quartz; 15% glauconite; 5% black phosphatic material; 3% shell fragments; some muscovite; few limestone fragments; few fragments of ferricrete.
160-170	Sand — olive light gray; abundant clay; fine to medium grained, some coarse grains, some granules, some pebbles; subangular to rounded; moderately sorted; quartz; 35% glauconite; some shell fragments; some black phosphatic material; some muscovite; few echinoid spines.
170-180	As above except moderate clay; 20% glauconite.
180-190	As above except 15% glauconite; 3% pebbles.
190-200	Sand — olive light gray; moderate clay — olive light gray, light brown; fine to coarse grained, some granules, few pebbles; subangular to rounded; moderately sorted; quartz; 10% glauconite; some shell fragments; some muscovite; few black phosphatic fragments.
200-210	As above except abundant clay; 15% glauconite; few echinoid spines.
210-220	Sand — olive light gray; moderate clay — olive light gray, light gray (clasts); very fine to medium grained, some coarse grains, few granules; subangular to subrounded; moderately sorted; quartz; 10% glauconite; some shell fragments; some muscovite; few grains of feldspar.
220-230	Sand — olive light gray; moderate clay; fine grained to granular, some pebbles; subangular to rounded; poorly sorted; quartz; 15% glauconite; 3% shell fragments; some very rotten feldspar; some black phosphatic material; some muscovite.
230-240	Sand and granules — light olive gray; slightly clayey; coarse to very coarse grained, 50% granules, 5% pebbles; angular to subrounded; moderately sorted; quartz; feldspar; 5% glauconite; some shell fragments; some muscovite; few black phosphatic fragments inc. shark's tooth.

Depth (feet)	
240-250	As above plus some medium grains, 10% pebbles; no shark's tooth.
250-260	Sand — light olive gray; slightly clayey; coarse grained to granular, some medium grains, 5% angular pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 5% glauconite; some shell fragments; some black phosphatic material; few grains of garnet.
260-270	Sand — olive light gray; slightly clayey; coarse grained to gravel, some medium grains; subangular to subrounded; poorly sorted; quartz; feldspar; 5% glauconite; few shell fragments; muscovite.
270-280	Sand and gravel — light olive gray; slightly clayey; coarse grained to granular, 50% pebbles; angular to subrounded; poorly sorted; quartz; feldspar; 3% glauconite; some muscovite.
280-290	Sand — light olive gray; slightly clayey; very coarse grained to granular; angular to subrounded; moderately well sorted; quartz; feldspar; 2% glauconite; few flakes of muscovite.
290-300	Sand — light olive gray; slightly clayey; very coarse grained, some granules; subangular to subrounded; well sorted; quartz; feldspar; 3% glauconite; few shell fragments.
300-310	Sand and granules — light olive gray; slightly clayey; coarse to very coarse grained, 60% granules; subangular to subrounded; moderately sorted; quartz; feldspar; some glauconite; few flakes of muscovite.
310-320	As above plus some pebbles.
320-330	Sand — light olive gray; slightly clayey; coarse grained to granular, 7% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; 3% glauconite; few shell fragments; muscovite; few grains of garnet.
330-340	Sand — light olive gray; slightly clayey; coarse grained to granular, some pebbles; angular to subrounded; moderately sorted; quartz; feldspar, 2% glauconite; few shell fragments.
340-350	As above except 5% pebbles; no shell fragments.
350-360	Sand — light olive gray; slightly clayey; coarse grained to granular, some medium grains, some pebbles; angular to subrounded; poorly sorted; quartz; feldspar; 2% glauconite; few flakes of muscovite.

Logged by: Michael T. Currie
January 5, 1979