

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W# 2936
C# 201

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: Kiellstrum & Lee, Inc. Mailing Address: P.O. Box 8556, Richmond, Virginia 23226
Nine Mile Road
TENANT: Kelly's Restaurant Mailing Address: Richmond, Virginia
1305 Brook Road,
DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: Richmond, Virginia

WELL LOCATION: County Henrico Approx. 14 ^{feet} ~~miles~~ North (direction) of
Nine Mile Road - U.S. Hwy. 33 and 1/4 mile ~~xxxx~~ Northeast (direction) of Laburnum Avenue

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

DATE STARTED: October 6, 1969 DATE COMPLETED: October 23, 1969

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 286 feet

WATER LEVEL: Stands 161'10" feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible HOLE SIZE: 8-3/4 inches from 0 to 286 feet
Drawdown 44" 3 1/2" feet _____ inches from _____ to _____ feet
Rate 42 1/2 gal. per min. _____ inches from _____ to _____ feet
Duration 8 hrs., _____ min. SCREEN SIZE: 4 inches from 252 to 272 feet

WATER ZONES: from 252 to 272 feet _____ inches from _____ to _____ feet
from _____ to _____ feet _____ inches from _____ to _____ feet
from _____ to _____ feet CASE SIZE: 4 inches from +1'6" to 252 feet

WATER: Color Clear Taste None _____ inches from 272 to 274 feet
Odor None Temp. _____ °F _____ inches from _____ to _____ feet

WELL TO SUPPLY: (check one) Home _____ GROUTING: Method Pressure
Farm _____ Town _____ School _____ Material cement & water Depth 50 feet
Industry _____ Other Restaurant

WATER ANALYSIS AVAILABLE: Yes X No _____ Capacity _____ gal per min
(30) Depth of intake _____ feet
DRILL CUTTINGS SAVED: Yes X 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 ran by driller
Depth of completed well 274

LOG

FURNISHED BY: Sydnor Hydrodynamics, Inc. DATE: October 23, 1969

DEPTH (feet)		TYPE OF ROCK OR SOIL PENETRATED (gravel, clay, etc., hardness, color, etc.)	REMARKS (water, caving, shot, screen, sample, etc.)
FROM	TO		
0	15	Red clay	
15	26	Sand, clay, gravel	
26	86	Blue clay	
86	116	Blue and gray clay	
116	130	Blue & gray clay w/ streaks of red	
130	170	Gray, blue, green clay w/streaks of shale	
170	186	Green, clay, sand	
186	196	Green, red clay and sand	
196	204	Green, red, white clay	
204	230	Green clay - sand - gravel	
230	250	Gray clay - streaks of red clay	
250	253	Green clay - hard sand	
253	267	Green sand - hard streaks	
267	271	Sand and clay	
271	286	Green sand - clay	

(Use additional forms if necessary)

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Box 3667
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Kjellstrum & Lee, Inc. Mailing Address: P.O. Box 8556, Richmond, Va. 23226

TENANT: Kelly's Restaurant Champs Mailing Address: Nine Mile Road, Richmond, Virginia

DRILLER: Sydnor Hydrodynamics, Inc. Mailing Address: 1305 Brook Road, Richmond, Virginia

WELL LOCATION: County Henrico Approx. 14 feet North (direction) of
Nine Mile Road - Route 33 and 1/4 ^{DECK} miles Northeast (direction) of Laburnum Ave.

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

DATE STARTED: October 6, 1969 DATE COMPLETED: October 23, 1969

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 286 feet

WATER LEVEL: Stands 161' 10" feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Submersible

Drawdown 44' 3 1/2" feet

Rate 42 1/2 gal. per min.

Duration 8 hrs., _____ min.

WATER ZONES: from 252 to 272 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color Clear Taste None

Odor None Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other Restaurant

WATER ANALYSIS AVAILABLE: Yes No _____

DRILL CUTTINGS SAVED: Yes 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.)

HOLE SIZE: 8-3/4 inches from 0 to 286 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

SCREEN SIZE: 4 inches from 252 to 272 feet

_____ inches from _____ to _____ feet

_____ inches from _____ to _____ feet

CASE SIZE: 4 inches from +1' 6" to 252 feet

4 inches from 272 to 274 feet

_____ inches from _____ to _____ feet

GROUTING: Method Pressure

Material cement & water Depth 50 feet

PUMP: Type _____

Capacity _____ gal per min

Depth of intake _____ feet

REMARKS: Electric log ran.

SEVEN PINES QUADRANGLE

ELEV. : 150'

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

INTERVAL SHEET

W# 2936
 C# 201

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Well Repository No:

Date rec'd: 11/19/69 Date Processed: 9/24/70

Sample Interval: from: 0 to: 280'

PROPERTY: Kjellstrum & Lee, Inc.
 (Kelly's Restaurant)
 COMPANY: Sydnor Hydrodynamics, Inc.

Number of samples: 28

Total Depth: 286'

COUNTY: Henrico (Richmond)

~~Oil/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	-	-	-
40 - 50	-	-	-
50 - 60	-	-	-
60 - 70	-	-	-
70 - 80	-	-	-
80 - 90	-	-	-
90 - 100	-	-	-
100 - 110	-	-	-
110 - 120	-	-	-
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	-	-	-

11 intervals have both washed and unwashed samples.

Owner: Kjellstrum & Lee Inc.
(Kelly's Restaurant)
Driller: Sydnor
County: Henrico

W# 2936
C# 201
Total depth: 280'
Quad: Seven Pines

GEOLOGIC LOG

Depth
(feet)

- 0-10 Sand - grayish orange; moderate clay; fine to medium grained, sub-angular to subrounded; moderately well sorted; quartz; feldspar; some opaques; few grains of glauconite.
- 10-20 As above plus muscovite.
- 20-30 Sand and gravel - white; slightly clayey; fine grained to granular, 35% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few opaques.
- 30-40 Sand - grayish orange; moderate clay; fine to coarse grained, some granules, 5% pebbles; subangular to subrounded; poorly sorted; quartz; feldspar; few flakes of muscovite.
- 40-50 Sand - dark yellowish orange; heavily stained; slightly clayey; medium to very coarse grained, some fine grains, 20% granules, 15% gravel; angular (gravel) to subrounded; poorly sorted; quartz; feldspar; few opaques; muscovite.
- 50-60 Sand - olive light gray; moderate clay; fine grained; subangular to subrounded; well sorted; quartz; some muscovite; few grains of glauconite.
- 60-70 As above plus few black phosphatic fragments.
- 70-80 As above.
- 80-90 Clay - very light gray; moderate sand; fine grained; subangular to subrounded; well sorted; quartz; few grains of glauconite; muscovite.
- 90-100 Sand - light olive gray; abundant clay; fine to medium grained; subangular to rounded; moderately well sorted; quartz; 25% glauconite; some muscovite.
- 100-110 As above except 7% glauconite.
- 110-120 Sand and clay - light gray; moderate clay - light gray, moderate orange pink; abundant sand; very fine to medium grained; subangular to subrounded; moderately sorted; quartz; 2% glauconite; muscovite; few black phosphatic fragments.
- 120-130 As above plus few shell fragments.
- 130-140 Sand - olive light gray; moderate clay; very fine to medium grained; subangular to rounded; moderately well sorted; quartz; 15% glauconite; some shell fragments; muscovite; forams (inc. Robulus and Nodosaria).

Depth
(feet)

- 140-150 As above except forams rare (Inc. Robulus).
- 150-160 As above except 20% glauconite.
- 160-170 Sand-medium light gray; moderate clay; fine to medium grained, some coarse grains; subangular to rounded; moderately sorted; quartz; 20% glauconite; 15% shell fragments; muscovite; few black phosphatic fragments.
- 170-180 Sand - yellowish gray; slightly clayey - yellowish gray, light gray, olive light gray; coarse grained to granules; subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 180-190 Sand - yellowish gray; slightly clayey - yellowish gray, olive light gray, moderate orange pink; medium grained to granular, some pebbles; angular to subrounded; poorly sorted; quartz; feldspar; few grains of glauconite.
- 190-200 Sand - yellowish gray; moderate clay - yellowish gray, olive light gray, dusky yellow; medium to very coarse grained, 10% granules; subangular to subrounded; moderately sorted; quartz; feldspar; 3% glauconite; muscovite; few grains of garnet.
- 200-210 As above except 2% glauconite.
- 210-220 Sand - yellowish gray; moderate clay; coarse to very coarse grained, some medium grains, 7% granules; subrounded; moderately sorted; quartz; feldspar; some glauconite.
- 220-230 Granules and gravel - yellowish gray; moderate clay; abundant coarse grained sand; subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 230-240 Sand - yellowish gray; moderate clay - yellowish gray; olive light gray, moderate orange pink, dark yellowish orange; coarse grained to granular, some medium grains, 5% pebbles; subrounded; poorly sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 240-250 Sand - very light gray; abundant clay; medium grained to granular, few pebbles; subrounded; moderately sorted; quartz; feldspar; some glauconite; muscovite.
- 250-260 Sand - off white; slightly clayey; coarse grained; subrounded; well sorted; quartz; feldspar.

Depth
(feet)

- 260-270 Sand - off white; slightly clayey - yellowish gray, light olive gray (clasts); coarse to very coarse grained, 5% granules; angular to subrounded; moderately sorted; quartz; feldspar; few grains of glauconite; muscovite.
- 270-280 Sand - very light gray; moderate clay; coarse grained to granular, some medium grains, 10% angular pebbles; subrounded; moderately sorted; quartz; feldspar; some glauconite; muscovite.

Logged by: Michael T. Currie