

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

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: Blunden & Hinton, Inc.
Well #2, Reedville Mailing Address: _____

TENANT: _____ Mailing Address: _____

DRILLER: Fetterolf Bros. Mailing Address: Syringa, VA 23165

WELL LOCATION: County Northumberland Approx. 700 feet ~~x miles~~ North (direction) of
end of St. Rd. 644 and 200 feet ~~x miles~~ S.E. (direction) of St. Rd. 644

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

DATE STARTED: _____ DATE COMPLETED: March (?) 1974

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 725 feet

WATER LEVEL: Stands 34 feet below surface OR
has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method Air lift
Drawdown _____ feet
Rate 75 gal. per min.
Duration 6 hrs., _____ min.

HOLE SIZE: 11 inches from 0 to 100 feet
6 1/2 inches from 100 to 680 feet
3-7/8 inches from 680 to 725 feet
SCREEN SIZE: 2 1/2 inches from 680 to 720 feet

WATER ZONES: from 680 to 720 feet
from _____ to _____ feet
from _____ to _____ feet

_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet
CASE SIZE: 4 inches from 0 to 680 feet
_____ inches from _____ to _____ feet
_____ inches from _____ to _____ feet

WATER: Color Clear Taste _____
Odor None Temp. 72 °F

GROUTING: Method Slush Pump
Cement
Material and water Depth 100 feet

WELL TO SUPPLY: (check one) Home _____
Farm _____ Town XX School _____
Industry _____ Other _____

PUMP: Type Submersible
Capacity 75 gal. per min
Depth of intake 150 feet

WATER ANALYSIS AVAILABLE: Yes _____ No _____
DRILL CUTTINGS SAVED: Yes 73 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: Casing installed 4" Galv. Std. Wt. 10.89 ft.

LOG

FURNISHED BY: Fetterolf Bros.

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	15	Clay and yellow sand	
15	20	Blue clay	
20	60	Gray sand	
60	350	Blue clay with shell streaks	
350	410	Sand and shell with rock streaks	
410	440	Limestone with clay streaks	
440	500	Black sand with some shells and clay streaks	
500	550	Black sand	
550	610	Black sand and clay	
610	650	Tough clay, some black sand	
650	680	White clay grading to fine gray sand	
680	720	Gray sand	
720	725	Black clay	

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

INTERVAL SHEET

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Well Repository No.: C-160
 W-4388

Date rec'd: 7/1/75 Date Processed: 6/28/76
 Blunden and Hinton (York Prop.)
 PROPERTY: (town of Reedville #2)

Sample Interval: from 10 to: 725

COMPANY: Fetterolf Bros.

Number of samples: 73

COUNTY: Northumberland

Total Depth: 725'

Oil or Gas: Water: XX Exploratory:

From-To	From-To	From-To	From-To	From-To
-	300-310	600-610	-	-
10-20	310-320	610-620	-	-
20-30	320-330	620-630	-	-
30-40	330-340	630-640	-	-
40-50	340-350	640-650	-	-
50-60	350-360	650-660	-	-
60-70	360-370	660-670	-	-
70-80	370-380	670-680	-	-
80-90	380-390	680-690	-	-
90-100	390-400	690-700	-	-
100-110	400-410	700-710	-	-
110-120	410-420	710-720	-	-
120-130	420-430	720-725	-	-
130-140	430-440	-	-	-
140-150	440-450	-	-	-
150-160	450-460	-	-	-
160-170	460-470	-	-	-
170-180	470-480	-	-	-
180-190	480-490	-	-	-
190-200	490-500	-	-	-
200-210	500-510	-	-	-
210-220	510-520	-	-	-
220-230	520-530	-	-	-
230-240	530-540	-	-	-
240-250	540-550	-	-	-
250-260	550-560	-	-	-
260-270	560-570	-	-	-
270-280	570-580	-	-	-
280-290	580-590	-	-	-
290-300	590-600	-	-	-

Contains both washed and unwashed samples.

Owner: Blunden and Hinton
(York Prop. #2)
Driller: Fetterolf Bros.
County: Northumberland (Reedville #2)

W# 4388
C# 160
Total Depth: 725'
Quad: Reedville
Elev: 15'

Depth
(feet)

WELL LOG

0-20 Sand - very pale orange (10YR 8/2); fine to medium, subangular, well sorted; 10% glauconite, very fine; iron oxide, weathered.

20-30 Sand - very pale orange (10YR 8/2); very sparse clay; fine to medium, subangular, well sorted; 5% very fine glauconite; iron oxide, weathered.

30-40 Sand - very pale orange (10YR 8/2); very sparse clay; fine to granular, subangular, moderate sorting; 5% glauconite; iron oxide staining on clay and granules.

40-70 Sand - light olive gray (5Y 7/1); fine to granule, subangular, moderate sorting; 1% glauconite; feldspar; gneiss fragments; epidote; garnet.

70-80 Clay - light olive gray (5Y 5/2); abundant sand; fine to medium with some granules, subangular, moderate sorting; few phosphate fragments; very rare shell fragments; epidote; mica.

80-130 Sand - light olive gray (5Y 5/2); abundant clay, much in clasts; fine to medium with pebbles at 80-90, subangular and rounded at 80-90 only, moderate sorting; 2% phosphate fragments; 5% shell fragments; mica.

130-150 Sand - light olive gray (5Y 5/2); abundant clay in clasts; fine to medium, subangular, well sorted; 2% phosphate fragments; rose quartz.

150-170 Clay - light olive gray (5Y 7/1); sparse sand; fine to coarse, subangular, moderate sorting; few phosphate fragments; diatoms; very rare shell fragment at 160-170.

170-190 Clay - light olive gray (5Y 7/1); moderate sand; fine to coarse, subangular, moderate sorting; few phosphate fragments; diatoms; very rare shell fragments; mica.

190-210 Clay - light olive gray (5Y 5/1); abundant sand; fine to coarse, subangular, poorly sorted; few phosphate fragments; diatoms; forams - Dentalina, Nonion.

Owner: Blunden and Hinton
(York Prop. #2)

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Depth
(feet)

- 210-250 Clay - light olive gray (5Y 7/1 & 6/1, 7/1 and a combination of 6/1 and 5/1 - color grading); moderate sand; fine to coarse, subangular, poorly sorted, well sorted at 240-250; diatoms at 230-250; very rare to 1% shell fragments at 230-250; forams - Textularia, Nonion, Bolivina, Dentalina, Robulus (L), Discorbis, Marginulina; gneiss fragment and mica at 210-220.
- 250-350 Clay - light olive gray - color grading from 5/1 to 6/1 (270-280 and 310-320) to 7/1 (320-330) and back to 6/1 (330-350); moderate sand; fine and some coarse grains at 310-350; subangular, well sorted; diatoms, abundant at 250-260; echinoderm spines -270-350; forams - 300-350 - Siphogenerina, Nonion, Robulus (L), Uvigerina.
- 350-410 Sand - light olive gray (5Y 6/1); sparse clay; moderate at 390-410; medium to granule with very coarse at 350-360; subangular, moderate sorting; few glauconite grains; shell fragments: 350-360 - very rare; 360-370 - 1%; 370-380 - very rare; 380-390 - 8%; 390-410 - 18%; calcite cementing on some shell fragments.
- 410-420 No Sample.
- 420-430 Sand - light olive gray (5Y 6/1); moderate clay; medium to pebble, subangular, poorly sorted; few glauconite grains; 10% shell fragments; abundant forams - Discorbis, Cibicides, Robulus; ostracods.
- 430-440 Clay - light olive gray (5Y 6/1); abundant sand; medium to granule, subangular, poorly sorted; few glauconite; 10% shell fragments; abundant forams; ostracods.
- 440-460 Sand, Glauconite - light and dark gray; 60% glauconite, medium and dark green; moderate clay; moderate sand; medium to granule, subangular, poorly sorted; 5% shell fragments; echinoderm spines; abundant forams; ostracods.
- 460-480 Sand, Glauconite - light and dark gray; 80% glauconite; sparse clay; moderate sand; medium to granule, subangular, poorly sorted; 5% shell fragments; forams - Discorbis, Cibicides; ostracods.
- 480-500 Gravel - light and dark gray; sparse clay; granules, rounded, poorly sorted; 40% glauconite; few limestone and shell fragments; forams - Robulus.

Owner: Blunden and Hinton
(York Prop. #2)

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Depth
(feet)

- 500-520 Sand, Glauconite - light and dark gray; sparse clay; moderate sand; 80% glauconite; medium to granule, subangular, poorly sorted; forams - Nodosaria.
- 520-550 Sand, Glauconite - greenish black (5G 2/1); 98% glauconite; medium to very coarse, subangular, few grains.
- 550-560 Sand, Glauconite - light and dark gray; 85% glauconite; sparse clay; sparse sand; medium to granule, subangular, poorly sorted; very rare shell fragments; forams.
- 560-570 Sand, Glauconite - light and dark gray; 90% glauconite; sparse clay; sparse sand; medium to granule, subangular, poorly sorted; very rare shell fragments; forams - Nodosaria.
- 570-580 Sand, Glauconite - light and dark gray; 60% glauconite; abundant clay; very sparse sand; medium to granule, subangular, poorly sorted; very rare shell fragments; forams.
- 580-590 Sand, Glauconite - light and dark gray; 90% glauconite; moderate clay; sparse sand; medium to granule, subangular, poorly sorted; forams.
- 590-600 Sand, Glauconite - greenish black (5G 2/1); 98% glauconite; medium to very coarse, few grains.
- 600-610 Sand, Glauconite - greenish black (5G 2/1); 98% glauconite; medium to very coarse, subangular; few grains of quartz.
- 610-620 Clay, Glauconite - light and dark gray; 70% glauconite, abundant sand; fine to medium, subangular, poorly sorted; 10% shell fragments.
- 620-640 Clay, Glauconite - light and dark gray; 55% glauconite; abundant sand; fine to medium, subangular, poor sorting; 20 to 25% shell fragments.
- 640-660 Sand, Glauconite - light and dark gray; 60% glauconite; moderately abundant clay; fine to very coarse, subangular, poorly sorted; 5% shell fragments; forams - Nodosaria; feldspar; mica; calcite.

Owner: Blunden and Hinton
(York Prop. #2)

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Depth
(feet)

- 660-670 Sand - light olive gray (5Y 7/1); very rare clasts of clay; coarse to granule, subangular, moderately sorted; very rare glauconite/shell fragments (contam.); feldspar; garnet.
- 670-690 Sand - light olive gray (5Y 7/1); very rare clasts of clay; moderate clay at 680-690; medium, subangular, well sorted; 30-20% glauconite; very rare shell fragments; abundant forams; feldspar; garnet.
- 690-710 Sand - light olive gray (5Y 7/1); coarse to granule, subangular, moderately well sorted; very rare glauconite/shell fragments; feldspar; garnet; rose quartz.
- 710-725 Sand - light olive gray (5Y 7/1); sparse clay; fine to granule, subangular, moderately well sorted; very rare glauconite; feldspar; garnet.

Logged by: J. K. Polzin
September 3/4, 1980