

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

Blundon & Hinton (York Prop. #1
at Crowder Point)

OWNER: _____ Mailing Address: _____

TENANT: _____ Mailing Address: _____

DRILLER: Fetterolf Bros. Mailing Address: _____

WELL LOCATION: County Northumberland Approx. 500 ~~yards~~ feet south (direction) of _____

U.S. Hwy 360 int. w/St. Rd. 722 and _____ feet miles west (direction) of 722

(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 780 feet

WATER LEVEL: Stands 24 feet below surface OR

has NATURAL flow of _____ gallons per minute.

YIELD TEST: Method air lift

Drawdown _____ feet

Rate 75 gal. per min.

Duration 8 hrs., _____ min.

WATER ZONES: from 755 to 775 feet

from _____ to _____ feet

from _____ to _____ feet

WATER: Color clear Taste _____

Odor none Temp. 72 °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Industry _____ Other subdivision

WATER ANALYSIS AVAILABLE: Yes _____ No _____

DRILL CUTTINGS SAVED: ⁽⁷⁷⁾ Yes XX 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: 6" casing Std. Galv. Wt. 19.18 ft.

3" Casing Std. Galv. Wt. 7.62 ft.

HOLE SIZE: 14 inches from 0 to 100 feet

9 1/2 inches from 100 to 210 feet

5-5/7 inches from 210 to 780 feet

SCREEN SIZE: 3 inches from 755 to 775 feet

_____ inches from _____ to _____ feet

3" Blank inches from 775 to 780 feet

CASE SIZE: 6 inches from 0 to 210 feet

3 inches from 210 to 755 feet

_____ inches from _____ to _____ feet

GROUTING: Method Slush Pump

cement

Material and water Depth 100 feet

PUMP: Type submersible

Capacity 100 gal. per min

Depth of intake 168 feet

LOG

DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT
COMMONWEALTH OF VIRGINIA

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	20	Sand and clay	
20	60	Gray sand and shells	
60	380	Blue clay and shell streaks.	
380	425	Sand and shell thin rock streaks	
425	450	Limestone with clay streaks	
450	500	Black sand and clay some shells	
500	560	Black sand	
560	610	Black sand and clay	
610	660	Tough clay different colors	
660	690	White clay fine sand	
690	730	White clay sand streaks	
730	750	Tough clay	
750	755	Clay grading to sand	
755	775	Gray sand	
775	780	Clay	

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

INTERVAL SHEET

Page	1	of	1		Well Repository No.:	C-158 W- 4236
Date rec'd:	6/13/75	Date Processed:	8/5/75	Sample Interval:	from	0 to: 770
PROPERTY:	Blundon & Hinton (York Properties #1)			Number of samples:	77	
COMPANY:	Fetterolf Bros.			Total Depth:	780'	
COUNTY:	Northumberland (Reedville)			Oil or Gas:	Water: XX Exploratory:	

From-To	From-To	From-To	From-To	From-To
0-10	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	720-730	-	-
130-140	430-440	730-740	-	-
140-150	440-450	740-750	-	-
150-160	450-460	750-760	-	-
160-170	460-470	760-770	-	-
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	-	-	-

All intervals have both washed and unwashed samples.

Owner: Blundon & Hinton
(York Prop. #1)
Driller: Fetterolf Bros.
County: Northumberland

W# 4236
C# 158
Total Depth: 789
Quad: Reedville
Elev: 15

Depth
(feet)

WELL LOG

0-10 Sand - pale grayish orange (10YR 7/4); medium to coarse, sub-angular, moderately well sorted.

10-30 Sand - pale grayish orange (10YR 7/4); moderate clay clasts of light olive gray (5Y 6/1); fine to coarse at 10-20 and to granule at 20-30; subangular, poor sorting.

30-50 Sand - dusky yellow (5Y 6/4); sparse clay; fine to granule, sub-angular, poor sorting; 1% phosphate fragments; 8-3% shell fragments.

50-70 Clay - light olive gray (5Y 5/2); moderate to abundant sand; very fine to very coarse, ~~coarse~~ to coarse at 60-70, subangular, poor sorting; 10% shell fragments at 50-60 and 3% at 60-70.

70-80 Clay - dark yellow brown (10YR 4/2); abundant sand; very fine to very coarse, subangular, poorly sorted; 5% shell fragments.

80-120 Clay - light olive gray (5Y 6/1); abundant sand; very fine and pebble, subangular and round, poorly sorted; shell fragments in varying amounts from 5% to few to 3%; mica.

120-150 Clay - light olive gray (5Y 6/1); abundant sand; very fine to medium with some pebbles, subangular and round, poorly sorted; shell fragment; 3% at 120-130 and 1% for 130-150; mica.

150-180 Clay - light olive gray (5Y 6/1); abundant clay; very fine to medium, subangular, well sorted; shell fragments - 1% at 160-170 and very rare at 170-180; diatoms; mica.

180-210 Clay - light olive gray (5Y 5/2); abundant sand; very fine to medium with some pebbles, subangular and rounded, moderate sorting; 1% glauconite; very rare shell fragments; possible diatoms; mica.

210-270 Clay - light olive gray (5Y 5/2); abundant sand; very fine to very coarse, subangular, moderate sorting; 1% glauconite until 240-250, then few phosphate fragments; shell fragments 1% until 230-240, then very rare; diatoms - on clay clasts; forams - Nonion, Pyrulina; mica - until 240-250.

270-330 Clay - light olive gray (5Y 6/1); abundant sand; fine to medium, subangular, well sorted; very rare shell fragments from 280-310; diatoms; 310-330 - forams.

Owner: Blundon & Hinton
(York Prop. #1)

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W# 4236
C# 158

Depth
(feet)

- 330-370 Clay - light olive gray (5Y 5/2); (5Y 6/1) at 360-370; abundant sand; fine to medium, subangular, well sorted; few phosphate fragments and few shell fragments at 330-350; diatoms.
- 370-390 Sand - light olive gray (5Y 6/1); fine to very coarse, subangular, moderate sorting; few phosphate fragments; very rare shell fragments; forams - Planularia.
- 390-410 Sand - light olive gray (5Y 6/1); fine to granule, subangular, poorly sorted; few phosphate fragments; 20% shell fragments.
- 410-420 Sand - light olive gray (5Y 6/1); sparse clay; fine to granule, subangular, poorly sorted; few phosphate fragments; 5% shell fragments.
- 420-440 Sand - light olive gray (5Y 6/1); moderate clay; fine to granule, subangular, poorly sorted; 3% phosphate fragments; 1% - few shell fragments; foram - Quinqueloculina, Cibicides, Discorbis; garnet.
- 440-460 Sand - light olive gray (5Y 6/1); abundant clay; fine to granule, subangular, poorly sorted; few phosphate fragments; few to 1% shell fragments; forams - Cibicides, Robulus.
- 460-480 Sand - light olive gray (5Y 6/1); sparse clay; fine to granule, subangular, poorly sorted; few phosphate fragments; 1% shell fragments; forams - Guttulina, Siphogenerina; ostracods.
- 480-500 Sand, Glauconitic - light and dark gray; 70% glauconite; sparse clay; subangular, mostly angular granules and a few rounded granules, poorly sorted; 1% shell fragments; ostracods.
- 500-510 Sand, Glauconitic - light and dark gray - 50% glauconite; sparse clay; fine to granule, subangular, angular, poor sorting; very rare shell fragment.
- 510-530 Sand, Glauconitic - light and dark gray; sparse to very sparse clay/limestone clasts; 95% glauconite; fine to granule, subangular and angular, poorly sorted; very rare shell fragments; shark tooth; foram.
- 530-560 Sand, Glauconitic - light and dark gray; very sparse (530-540) to sparse (540-550) to moderate (550-560) clay; 98% glauconite; fine to granule, subangular and angular, poorly sorted; very rare shell fragments; foram - Nodosaria.

Owner: Blundon & Hinton
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Depth
(feet)

- 560-570 Sand, Glauconitic - light and dark gray; moderate clay; 95% glauconite; fine to granule, subangular and angular, poorly sorted; foram - Robulus; pyrite.
- 570-640 Sand, Glauconitic - light and dark gray; moderate clay; fine to granule, subangular and angular, poorly sorted; shell fragments: 590-600 - 10%; 600-610 - 3%; 610-640 - 25%; forams - Cibicides, Discorbis, Nonion, Robulus; ostracods at 600-610; pyrite at 580-590.
- 640-680 Sand, Glauconitic - light and dark gray; abundant clay; very fine to medium with some larger grains, subangular, poorly sorted; 80% glauconite; 10% shell fragments at 640-660 and few thereafter; forams; lignite; pyrite.
- 680-690 Sand, Glauconitic - dark yellowish brown (10YR 4/2); 60% glauconite; abundant clay; very fine to coarse, subangular, poorly sorted; forams - Nodosaria.
- 690-720 Sand - pale yellowish brown (10YR 6/2); very fine and coarse to very coarse at 690-700 and rest is medium to very coarse, subangular, moderate sorting; 3% shell fragments; mica; garnet; feldspar.
- 720-730 Sand - pale yellowish brown (10YR 6/2); coarse, subangular, well sorted; few glauconite grains; feldspar.
- 730-740 Sand - pale yellowish brown (10YR 6/2); very coarse, subangular, well sorted; few glauconite grains.
- 740-770 Sand - pale yellowish brown (10YR 6/2); sparse clay at 750-760 and moderate at 760-770; medium to very coarse and granules at 760-770; subangular, moderate sorting with poor at 760-770; clay has forams; 10% glauconite - contam.; lignite; feldspar; mica.
- 770-780 No Sample.

Logged by: J. K. Polzin
September 4/5, 1980