

COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

MAILING ADDRESS:

DIVISION OF MINERAL RESOURCES

OFFICE ADDRESS:

Box 3667  
Charlottesville, VA 22903

JAMES L. CALVER, COMMISSIONER

McCormick Road  
Charlottesville, Virginia

WATER WELL COMPLETION REPORT

OWNER: Oakridge Water Company Mailing Address: \_\_\_\_\_

TENANT: \_\_\_\_\_ Mailing Address: \_\_\_\_\_

DRILLER: R. L. Maquette Company Mailing Address: \_\_\_\_\_

WELL LOCATION: County Nansemond Approx. 2 ~~feet~~ <sup>miles</sup> west (direction) of the end of Roberts Ct  
Suffolk (North of Oakridge Development  
Rt. 58) right at 7-11 and \_\_\_\_\_ (direction) of \_\_\_\_\_

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

DATE STARTED: 22 June 1973 DATE COMPLETED: 17 July 1973

TYPE OF DRILL RIG USED: \_\_\_\_\_ TOTAL DEPTH 780 feet

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

YIELD TEST: Method \_\_\_\_\_  
Drawdown \_\_\_\_\_ feet  
Rate \_\_\_\_\_ gal. per min.  
Duration \_\_\_\_\_ hrs., \_\_\_\_\_ min.

HOLE SIZE: \_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER ZONES: from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet  
from \_\_\_\_\_ to \_\_\_\_\_ feet

SCREEN SIZE: \_\_\_\_\_ inches from 630 to 650 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WATER: Color \_\_\_\_\_ Taste \_\_\_\_\_  
Odor \_\_\_\_\_ Temp. \_\_\_\_\_ °F

CASE SIZE: 6 inches from 0 to 650 feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet  
\_\_\_\_\_ inches from \_\_\_\_\_ to \_\_\_\_\_ feet

WELL TO SUPPLY: (check one) Home \_\_\_\_\_  
Farm \_\_\_\_\_ Town \_\_\_\_\_ School \_\_\_\_\_  
Industry \_\_\_\_\_ Other \_\_\_\_\_

GROUTING: Method \_\_\_\_\_  
Material \_\_\_\_\_ Depth \_\_\_\_\_ feet

WATER ANALYSIS AVAILABLE: Yes \_\_\_\_\_ No \_\_\_\_\_

PUMP: Type \_\_\_\_\_  
Capacity 100 gal per min

DRILL CUTTINGS SAVED: Yes (74) XX No \_\_\_\_\_

Depth of intake 189 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: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## LOG

FURNISHED BY: \_\_\_\_\_

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	25	Fine sand-traces of sand	
25	39	Coarse brown & white sand, blue clay	
39	62	Blue clay, shell-sand	
62	68	Hard shell bed	
68	145	Soft blue clay	
145	220	Soft blue clay, shell, pepper sand	
220	272	Soft grey mud	
272	276	Hard shell bed	
276	315	Blue clay, shell	
315	335	Pepper sand	
335	515	Blue clay, shell - coarse gravel, pepper sand	
520	530	Shell coarse gravel	
530	580	Shell blue clay	
580	625	Pepper sand	
625	650	Clean gravel, sand	

(Use additional forms if necessary)

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

INTERVAL SHEET

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Well Repository No.: C-187  
 W- 4239

Date rec'd: 7-18-74 Date Processed: 8-5-75

Sample Interval: from 100 to: 780

PROPERTY: Oak Ridge Water Co.

Number of samples: 77

COMPANY: Magette

Total Depth: 790

COUNTY: City of Suffolk (Kilby)

Oil or Gas: Water:  Exploratory:

From-To	From-To	From-To	From-To	From-To
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	770-780	-	-
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	-	-	-
300-310	600-610	-	-	-
310-320	610-620	-	-	-
320-330	620-630	-	-	-
330-340	630-640	-	-	-
340-350	640-650	-	-	-
350-360	650-660	-	-	-
360-370	660-670	-	-	-
370-380	670-680	-	-	-
380-390	680-690	-	-	-
390-400	690-700	-	-	-

All intervals have both washed and unwashed samples.

Owner: Oak Ridge Water Co.  
Driller: Magette  
County: Nansemond (Suffolk)

W# 4239  
C# 187  
Total Depth: 780'  
Quad: Buckhorn  
Elev: 45'

Depth  
(feet)

WELL LOG

0-100 No Sample.

100-140 Sand - light olive gray (5Y 6/1); sparse clay; fine to very coarse, subangular, moderate sorting; 10% glauconite, 1%+ at 130-140; 40% shell fragments, 5% at 130-140; 20% sandy limestone fragments at 130-140.

140-150 Sand - pale yellow brown (10YR 6/2); sparse clay; medium to very coarse, subangular and subrounded, moderate sorting; 1% glauconite; 5% shell fragments; rose quartz; garnet.

150-160 Sand - pale yellowish brown (18YR 6/2); sparse clay; medium to very coarse, subangular to subrounded, poorly sorted; 5% glauconite; 10% fine shell fragments; foram.

160-200 Sand - pale yellowish brown (10YR 6/2); sparse clay; fine to very coarse, granules from 170-180 onward; subangular to subrounded, poorly sorted; 5% glauconite; 8% fine shell fragments, 10% at 180-190; echinoderm plates and spines; coral at 170-180; manta teeth; garnet; rose quartz at 190-200.

200-210 Sand - pale yellowish brown (10YR 6/2); very sparse clay; medium to very coarse, subangular, moderate sorting; 1% glauconite; 1% shell fragments; garnet.

210-230 Sand - pale yellowish brown (10YR 6/2); very sparse clay; medium to very coarse at 210-220 and fine to granule at 220-230; subangular, poorly sorted; few glauconite grains; 8% shell fragments; garnet.

230-250 Sand - pale yellowish brown (10YR 6/2); moderate clay in clasts; fine to granule, subangular, poorly sorted; few glauconite grains; 8% shell fragments; garnet.

250-260 Sand - light olive gray (5Y 5/2); abundant clay; fine to coarse with some rounded granules, subangular, poorly sorted; 10% glauconite; 5% shell fragments; garnet; rose quartz.

260-270 Sand - pale yellowish brown (10YR 6/2); sparse clay, fine to pebble, subrounded to rounded, moderate sorting; few glauconite grains; 1% shell fragments.

Owner: Oak Ridge Water Co.

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C# 187

Depth  
(feet)

- 270-280 Sand - pale yellowish brown (10YR 6/2); very sparse clay; very fine to coarse, subrounded, moderate sorting; 40% very fine phosphate fragments; 1% shell fragments; forams; abundant garnet; rose quartz.
- 280-290 Sand- pale yellowish brown (10YR 6/2); sparse clay; fine to pebble, subrounded, moderate sorting; 40% very fine phosphate fragments; 1% shell fragments; garnet; rose quartz.
- 290-300 Sand - pale yellowish brown (10YR 6/2); moderate clay; medium to very coarse, subrounded, moderate sorting; few glauconite and shell fragments; garnet.
- 300-320 Sand - pale yellowish brown (10YR 6/2); sparse clay; very fine to granule at 300-310 and fine to very coarse at 310-320; subrounded, moderate sorting; few glauconite; 3% shell fragments; garnet; rose quartz.
- 320-330 Sand - light olive gray (5Y 6/1); moderate clay; fine to coarse, subrounded, moderate sorting; few glauconite/shell fragments.
- 330-350 Sand - light olive gray (5Y 6/1); abundant clay; fine to granule, subrounded, moderate sorting; 5-1% shell fragments - Turritella.
- 350-380 Sand - light olive gray (5Y 6/1); moderate clay at 550-560; sparse at 560-570 and very sparse at 570-580; fine to granule, subrounded with subangular at 570-580; moderate sorting; 1% shell fragments.
- 380-390 Sand - light olive gray (5Y 6/1); sparse clay; fine to coarse, subangular, moderate sorting; 1% glauconite/phosphate fragments; 10% fine shell fragments; rose quartz.
- 390-400 Sand - light olive gray (5Y 5/2); sparse clay; fine and very coarse, subrounded and subangular, poorly sorted; 1% shell fragments.
- 400-440 Sand - light olive gray (5Y 5/2); very sparse clay with sparse at 410-420; fine to very coarse, subangular and subrounded, poorly sorted; 10% glauconite; 1% shell fragments; echinoderm spines at 410-420; garnet.
- 440-460 Sand - light olive gray (5Y 5/1); sparse clay; medium to very coarse, subangular and subrounded with some rounded granules and pebbles at 450-460; moderate sorting; 5% glauconite; 5-3% shell fragments; rose quartz.

Owner: Oak Ridge Water Co.

W# 4239

C# 187

Depth  
(feet)

- 460-480 Sand - light olive gray (5Y 5/1); sparse clay; medium to rounded granules, subrounded, moderate sorting; 5% glauconite; 3% shell fragments.
- 480-490 Sand - light olive gray (5Y 5/2); sparse clay in small clasts; medium to very coarse, subrounded, moderate sorting; 40% glauconite; rare shell fragments.
- 490-500 Sand - light olive gray (5Y 6/1); sparse clay; medium to very coarse with some rounded granules, subrounded, moderate sorting; 40% glauconite; rare shell fragments; bone fragments/teeth.
- 500-510 Sand - light olive gray (5Y 6/1); sparse clay; medium to coarse, with rounded granules, subrounded, moderate sorting; 30% glauconite; rare shell fragments.
- 510-550 Sand - light olive gray (5Y 6/1); sparse clay; medium to very coarse, subrounded, moderate sorting; 30% glauconite; rare shell fragments at 530-550; few rounded granules and few angular grains.
- 550-590 Sand - light olive gray (5Y 6/1); very sparse clay with sparse at 570-590; medium to very coarse with rounded granules at 550-560; moderate sorting; 20% glauconite; rare shell fragments; forams 550-560.
- 590-690 Sand - pale yellowish brown (10YR 6/2); very sparse clay at 540-550 and sparse clay at 680-690; medium to granule, subangular to subrounded, subangular at 680-690; moderate sorting; rare glauconite at 680-690; rare shell fragments at 620-640 and 660-670; feldspar; rose quartz 660-690.
- 690-780 Sand - pale yellowish brown (10YR 6/2); ~~medium to~~ medium to very coarse, subangular, moderate sorting with poor at 700-730; few glauconite at 690-710; feldspar; garnet 720-740; rose quartz.

Logged by: J. K. Polzin  
November 19, 1980