

COMMONWEALTH OF VIRGINIA
DEPARTMENT OF CONSERVATION AND ECONOMIC DEVELOPMENT

W-5915
C-93

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: Sunshine Fast Food Company Mailing Address: R.F.D. 2, Box 159
King George, VA 22485

TENANT: _____ Mailing Address: _____

DRILLER: Douglas Drilling Co., Inc. Mailing Address: Box 498, Warsaw, VA 22572

WELL LOCATION: County King George (Edgehill) Approx. 160 ~~feet~~ North (direction) of _____

Rt. 205 at intersection of Rts. 301 & 205 (NW corner) (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: _____ DATE COMPLETED: March 2, 1979

TYPE OF DRILL RIG USED: Rotary TOTAL DEPTH 462 feet

WATER LEVEL: Stands 183 feet below surface OR _____

has NATURAL flow of _____ gallons per minute

YIELD TEST: Method Air Lift

Drawdown 60 feet

Rate 25 gal. per min.

Duration 2 hrs., _____ min.

WATER ZONES: from _____ to _____ feet

from _____ to _____ feet

from 417 to 447 feet

WATER: Color _____ Taste _____

Odor _____ Temp. _____ °F

WELL TO SUPPLY: (check one) Home _____

Farm _____ Town _____ School _____

Restaurant - _____

Industry _____ Other Weiner King

WATER ANALYSIS AVAILABLE: Yes _____ No XX

DRILL CUTTINGS SAVED: 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: This is a CLASS II TYPE A Well. Copy sent to owner 4-2-79. June 12, 1979 copy sent to VA State Water Control Board. Drill Cutting Samples await normal State pickup at our office. Drill cuttings were saved and examined. At least 85' of the first 100' consisted of unconsolidated formation consisting of fine sand or a less pervious material.

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	21	light brown	fine sand with varying	degrees of coarseness and
			some coarse gravel	
21	52	light brown	fine sand with medium	sand and light grey clay
52	126	olive green	fine sand with clay	
126	241	dark grey	fine sand with sandy	clay and a small amount of creamy
			shell	
241	294	black	fine sand and creamy	shell in dark grey and dark red clay
294	346	dark grey	fine sand with dark grey	clay and varying degrees of
			creamy shell	
346	378	black	fine sand with dark grey,	dark red and medium dark grey
			clay	
378	417	grey	fine sand with light and	dark grey clay, dark red clay
			and some very sandy	yellow clay
417	452	grey	fine sand with predominately	medium and coarse (SCREEN)
			sand with varying	amounts of grey, red and
			dark yellow clay	
452	462	dark grey	fine sand with dark grey	and dark red clay
<p>Total Depth 462'</p> <p>Sunshine Fast Foods Well March 2, 1979</p>				

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

INTERVAL SHEET

Page 1 of 1 Well Repository No: W-5915 C-93
Date rec'd: Date Processed: 5-5-80 Sample Interval: from:0 to: 462
PROPERTY: Sunshine Fast Food Co. Number of samples: 44
COMPANY: Douglas Total Depth: 462
COUNTY: King George (Edgehill) Oil or Gas: Water: XExploratory:

From-To	From-To	From-To	From-To
0-11	264-274	-	-
11-21	274-285	-	-
21-32	285-294	-	-
32-42	294-306	-	-
42-52	306-316	-	-
52-63	316-327	-	-
63-74	327-337	-	-
74-84	337-346	-	-
84-95	346-359	-	-
95-105	359-369	-	-
105-116	369-378	-	-
116-126	378-390	-	-
126-137	390-401	-	-
137-147	401-411	-	-
147-158	411-417	-	-
158-168	417-432	-	-
168-179	432-442	-	-
179-189	442-452	-	-
189-199	452-462	-	-
199-210	-	-	-
210-221	-	-	-
221-232	-	-	-
232-241	-	-	-
241-253	-	-	-
253-264	-	-	-

Split-Wash

Owner: Sunshine Fast Food Co.
Driller: Douglas
County: King George

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C# 93
Total Depth: 462'
Quad: King George
Elev: 185'

Depth
(feet)

WELL LOG

0-32 Sand - moderate grayish orange (10YR 7/4); abundant clay; medium to very coarse with rounded pebbles at 11-32; sub-angular, moderate sorting; very rare phosphate fragment.

32-42 Sand - moderate grayish orange (10YR 7/4); abundant clay; medium to pebble, subangular and rounded; poor sorting; iron oxide and crusts.

42-52 Sand - moderate grayish orange (10YR 7/4); moderate clay; fine to pebble, subangular and rounded; poor sorting.

52-105 Sand - light olive gray (5Y 6/1); abundant clay; fine to very coarse with coarse at 84-105; subangular, moderate sorting.

105-126 Sand - moderate olive gray (5Y 4/2); abundant clay; fine to coarse, subangular and angular, moderate sorting; 10% fine black phosphate/bone/shell fragments; earbone.

126-147 Sand - light olive gray (5Y 5/2); abundant clay; fine to very coarse, subangular, moderate to poor sorting; 10% fine phosphatic/bone fragments and glauconite; 8-10% fine shell fragments - Dentalium; tooth; mica.

147-158 Sand - moderate olive brown (5Y 4/6); abundant clay; fine to very coarse, subangular, poor sorting; 20% glauconite; 10% fine shell fragments - Isognomen; bone fragments.

158-178 Sand, Glauconitic - dark olive brown (5Y 3/4); 50% glauconite; abundant to moderate clay; fine to granule, subangular and rounded, poor sorting; 5% shell fragment; bone fragments.

178-189 Sand - olive gray (5Y 4/2); abundant clay; medium to coarse, subangular, moderate sorting; 40% glauconite; 10% shell fragments; mica.

189-253 Sand - olive gray (5Y 4/1); abundant clay; fine to coarse with medium at 189-199, angular and subangular with angular only at 189-199, moderate sorting; 40% glauconite until 232-253 with 25%; shell fragments, 20% at 189-210, 10% at 210-253, becoming finer ground; bone fragments at 221-232; forams - Nonion, Guttulina (?) at 199-210; mica.

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Depth
(feet)

- 253-285 Clay - pale brown (5YR 5/2); abundant sand; fine to medium, subangular, poor sorting; questionable 10% glauconite; few shell fragments and 10% at 274-285; bone fragments.
- 285-294 Clay - olive gray (5Y 4/1); abundant sand; fine to coarse, subangular, poor sorting; some pink clay clasts; 40% glauconite; 8% shell fragments; mica.
- 294-316 Sand - olive gray (5Y 4/1); abundant clay; fine to coarse and very coarse at 306-316, subangular, poor sorting; 40% glauconite; 40% fine shell fragments; mica.
- 316-337 Sand, Glauconitic - olive gray (5Y 3/2); 70% glauconite; abundant clay; fine to medium, subangular, moderate sorting; 3-8% fine shell fragments; forams - Robulus; ostracods; echinoderm spines; mica.
- 337-346 Sand, Glauconitic - light olive gray (5Y 4/2); 60% glauconite; moderate clay; fine to very coarse, subangular, poor sorting; 3% shell fragments; forams - Robulus; sandstone clasts with glauconite embedded; mica.
- 346-359 Sand - light olive gray (5Y 5/2); sparse clay; medium to granule, subangular, poorly sorted; 40% glauconite; very rare shell fragments; mica.
- 359-369 Sand - light olive gray (5Y 5/2); 50% glauconite; moderate clay; medium to granule; subangular, poorly sorted; 1% shell fragments; ostracods; mica.
- 369-378 Clay - moderate yellowish gray (5Y 6/2); moderate sand; fine to medium, subangular, well sorted; 5% glauconite; very rare shell fragments.
- 378-390 Clay - Moderate yellowish brown (10YR 5/4); abundant sand; fine to medium with some coarse, subangular, moderate sorting; 5% glauconite; very rare shell fragments.
- 390-401 Clay - pale yellowish brown (10YR 6/2); moderate sand in clasts; fine to coarse, subangular, poorly sorted; very rare glauconite/shell fragments; diatoms; dark yellowish brown (10YR 4/4) in loose, non-clastic matter.

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Depth
(feet)

- 401-417 Clay - dusky yellow (5Y 6/4); moderate to abundant sand; fine to coarse, subangular, poorly sorted; light gray/grayish yellow clasts of clay; very few glauconite/shell fragments; diatoms - in the light yellowish grayish clasts.
- 417-462 Sand - pale yellow brown (10YR 6/2); moderate clay, abundant at 452-462; fine to coarse, angular and subangular, poorly sorted; clays of different colors; diatoms in clay clasts.

Logged by: J. K. Polzin
October 24/27, 1980